



Appendices to

Biological and Water Quality Study
of the Cuyahoga River and Selected
Tributaries

Volume 2

Geauga, Portage, Summit, and Cuyahoga
Counties (Ohio)

August 15, 1999

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Ohio EPA Technical Report MAS/1997-12-4

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Appendices are available electronically on the Ohio EPA Division of Surface Water Home Page
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<http://chagrin.epa.state.oh.us/docindex.html>

APPENDIX A

Chemical, Sediment, and Long Lake Sampling Data

Appendix A Table 1. Chemical/physical sampling results from the Cuyahoga River basin study area, July to September 1996. All conventional parameters are reported in mg/l; all metals and other substances are reported in µg/l, unless otherwise noted.

Station	River Mile	Date	Comments	Temp (°C)	pH (s.u.)	D.O.	Cond. (umhos/cm)
Big Creek @ Park Drive	7.2/7.8	13-Aug-96		21.5	8.69	8.5	831
Big Creek @ Park Drive	7.2/7.8	17-Sep-96		16.5	8.16	8.5	445
Big Creek @ Park Drive	7.2/7.8	20-Aug-96		21.0	8.6	7.1	820
Big Creek @ Park Drive	7.2/7.8	23-Jul-96		20.0	8.6	8.9	889
Big Creek ust Zoo	7.2/2.58	13-Aug-96		21.5	8.47	10.8	1158
Big Creek ust Zoo	7.2/2.58	17-Sep-96		16.5	8.22	9.1	866
Big Creek ust Zoo	7.2/2.58	20-Aug-96		18.5	8.56	8.3	1076
Big Creek ust Zoo	7.2/2.58	23-Jul-96		19.5	8.43	9.9	1053
Big Creek ust Zoo	7.2/2.58	27-Aug-96		20.5	8.37	9.5	1065
Big Creek @ Jennings Rd	7.2/0.23	13-Aug-96		19.5	8.24	7.3	1217
Big Creek @ Jennings Rd	7.2/0.23	17-Sep-96		16.0	8.27	8.1	1053
Big Creek @ Jennings Rd	7.2/0.23	20-Aug-96		22.0	8.31	7.6	1180
Big Creek @ Jennings Rd	7.2/0.23	23-Jul-96		20.0	8.34	6.4	1287
Big Creek @ Jennings Rd	7.2/0.23	27-Aug-96		21.0	8.02	5.9	1287
Black Brook @ Fox Rd	76.64/1.78	09-Jul-96	High flow/ dam release	23.87	7.99	7.10	325
Black Brook @ Fox Rd	76.64/1.78	16-Sep-96		16.29	7.75	8.01	615
Black Brook @ Fox Rd	76.64/1.78	24-Jul-96		23.0	7.85	6.4	320
Black Brook @ Fox Rd	76.64/1.78	27-Aug-96		22.33	7.84	6.96	344
Black Brook @ Fox Rd	76.64/1.78	27-Jun-96		19.78	7.74	6.76	289
Brandywine Cr @ Hines Hill Rd	24.16/7.02	13-Aug-96		17.5	8.41	4.7	2165
Brandywine Cr @ Hines Hill Rd	24.16/7.02	17-Sep-96		16.5	7.77	7.3	936
Brandywine Cr @ Hines Hill Rd	24.16/7.02	20-Aug-96		19.5	8.41	4.5	2006
Brandywine Cr @ Hines Hill Rd	24.16/7.02	23-Jul-96		17.5	8.4	4.9	211
Brandywine Cr @ Hines Hill Rd	24.16/7.02	27-Aug-96		19.5	7.79	4.6	1404
Brandywine Creek near mouth	24.16/0.24	13-Aug-96		18.0	8.29	7.0	1609
Brandywine Creek near mouth	24.16/0.24	17-Sep-96		15.0	8.39	8.9	948
Brandywine Creek near mouth	24.16/0.24	20-Aug-96		20.0	8.28	7.2	1234
Brandywine Creek near mouth	24.16/0.24	23-Jul-96		17.0	8.5	4.2	1287
Brandywine Creek near mouth	24.16/0.24	27-Aug-96		18.5	8.2	6.7	1076
BreakneckCk nr Homestead Rd	56.82/14.6	04-Sep-96		18.59	7.89	7.69	530

Station	River Mile	Date	Comments	Temp (°C)	pH (s.u.)	D.O.	Cond. (umhos/cm)
BreakneckCk nr Homestead Rd	56.82/14.6	10-Jul-96		18.85	7.86	9.07	526
BreakneckCk nr Homestead Rd	56.82/14.6	20-Jun-96		22.69	7.76	6.44	403
BreakneckCk nr Homestead Rd	56.82/14.6	29-Aug-96		20.83	7.92	8.47	490
BreakneckCr nr Homestead Rd	56.82/14.6	30-Jul-96		19.63	7.85	6.71	684
Breakneck Cr @ Summit Rd	56.82/7.00	04-Sep-96		19.48	7.80	7.43	531
Breakneck Cr @ Summit Rd	56.82/7.00	10-Jul-96		19.63	7.80	7.54	545
Breakneck Cr @ Summit Rd	56.82/7.00	20-Jun-96		22.47	7.63	5.47	351
Breakneck Cr @ Summit Rd	56.82/7.00	29-Aug-96		20.48	7.69	7.19	469
Breakneck Cr @ Summit Rd	56.82/7.00	30-Jul-96		20.25	7.72	6.57	713
Breakneck Ck @ Lakewood Rd	56.82/5.19	04-Sep-96		19.81	7.83	7.04	539
Breakneck Ck @ Lakewood Rd	56.82/5.19	10-Jul-96		19.45	7.84	7.23	563
Breakneck Ck @ Lakewood Rd	56.82/5.19	20-Jun-96		22.25	7.65	5.30	348
Breakneck Ck @ Lakewood Rd	56.82/5.19	29-Aug-96		20.28	7.76	7.62	466
Breakneck Ck @ Lakewood Rd	56.82/5.19	30-Jul-96		20.51	7.76	5.86	727
Breakneck Ck @ Powder Mill	56.82/3.08	04-Sep-96		19.74	7.81	7.76	726
Breakneck Ck @ Powder Mill	56.82/3.08	10-Jul-96		19.18	7.80	8.07	712
Breakneck Ck @ Powder Mill	56.82/3.08	20-Jun-96		21.91	7.68	5.73	385
Breakneck Ck @ Powder Mill	56.82/3.08	29-Aug-96		19.56	7.79	7.71	590
Breakneck Ck @ Powder Mill	56.82/3.08	30-Jul-96		20.10	7.68	5.85	1044
Breakneck Crk @ SR 59	56.82/1.66	04-Sep-96		19.97	7.90	7.65	681
Breakneck Crk @ SR 59	56.82/1.66	10-Jul-96		19.29	7.84	7.46	736
Breakneck Crk @ SR 59	56.82/1.66	20-Jun-96		21.88	7.65	5.97	393
Breakneck Crk @ SR 59	56.82/1.66	29-Aug-96		21.97	7.69	6.33	545
Breakneck Crk @ SR 59	56.82/1.66	30-Jul-96		20.44	7.80	7.0	947
Breakneck Crk near mouth	56.82/0.28	04-Sep-96		19.76	7.92	8.14	649
Breakneck Crk near mouth	56.82/0.28	10-Jul-96		19.35	7.91	8.02	739
Breakneck Crk near mouth	56.82/0.28	20-Jun-96		21.84	7.67	6.05	390
Breakneck Crk near mouth	56.82/0.28	29-Aug-96		20.15	7.89	8.32	592
Breakneck Crk near mouth	56.82/0.28	30-Jul-96		20.42	7.93	8.32	552
Bridge Crk @ Stafford Rd	83.29/11.22	09-Jul-96		20.22	7.61	5.32	366
Bridge Crk @ Stafford Rd	83.29/11.22	16-Sep-96		13.69	7.31	6.04	514
Bridge Crk @ Stafford Rd	83.29/11.22	24-Jul-96		21.0	7.51	6.15	378
Bridge Crk @ Stafford Rd	83.29/11.22	27-Aug-96		21.1	7.86	10.20	390
Bridge Crk @ Stafford Rd	83.29/11.22	27-Jun-96		19.82	7.78	5.88	295

Station	River Mile	Date	Comments	Temp (°C)	pH (s.u.)	D.O.	Cond. (umhos/cm)
Bridge Cr @ Taylor May Rd	83.29/8.46	09-Jul-96		19.22	8.01	9.8	415
Bridge Cr @ Taylor May Rd	83.29/8.46	16-Sep-96		14.10	7.71	9.19	597
Bridge Cr @ Taylor May Rd	83.29/8.46	24-Jul-96		21.5	7.94	5.2	420
Bridge Cr @ Taylor May Rd	83.29/8.46	27-Aug-96		18.88	7.82	9.69	423
Bridge Cr @ Taylor May Rd	83.29/8.46	27-Jun-96		22.48	8.13	9.57	321
Bridge Crk dst LaDue Res.	83.29/1.32	09-Jul-96		22.04	7.62	5.93	268
Bridge Crk dst LaDue Res.	83.29/1.32	16-Sep-96		16.92	7.29	5.07	462
Bridge Crk dst LaDue Res.	83.29/1.32	24-Jul-96		22.5	7.44	4.0	248
Bridge Crk dst LaDue Res.	83.29/1.32	27-Aug-96		22.25	7.57	4.66	278
Bridge Crk dst LaDue Res.	83.29/1.32	27-Jun-96		19.24	7.42	4.95	253
Chippewa Crk @ Avery Rd	20.88/6.03	14-Aug-96		17.74	7.83	9.11	1287
Chippewa Crk @ Avery Rd	20.88/6.03	20-Aug-96	Slight H ₂ S odor,cloudy	17.8	7.65	7.8	850
Chippewa Crk @ Avery Rd	20.88/6.03	24-Sep-96		14.55	7.90	9.62	520
Chippewa Crk @ Harris Rd	20.88/3.72	14-Aug-96		19.18	8.14	10.1	1999
Chippewa Crk @ Harris Rd	20.88/3.72	20-Aug-96		20.1	8.35	9.7	960
Chippewa Crk @ Harris Rd	20.88/3.72	24-Sep-96		14.44	8.14	10.15	542
Chippewa Cr @ Riverview Rd	20.88/0.36	14-Aug-96		21.36	8.36	10.32	923
Chippewa Cr @ Riverview Rd	20.88/0.36	20-Aug-96		20.0	8.04	8.8	1000
Chippewa Cr @ Riverview Rd	20.88/0.36	24-Sep-96	H ₂ sO ₄ preserve lab accident	14.70	8.09	9.55	593
Cuy R @ SR 608	90.86	09-Jul-96	No top release	22.37	7.63	4.8	196
Cuy R @ SR 608	90.86	16-Sep-96	No Res. release	16.73	7.29	5.04	449
Cuy R @ SR 608	90.86	24-Jul-96		23.2	7.41	5.15	205
Cuy R @ SR 608	90.86	27-Aug-96		24.91	8.82	8.77	224
Cuy R @ SR 608	90.86	27-Jun-96		20.32	7.48	5.13	183
Cuy R @ SR 87	87.26	09-Jul-96		20.89	7.41	3.30	254
Cuy R @ SR 87	87.26	09-Jul-96	<i>Dup. samp</i>	20.9	7.39	3.30	255
Cuy R @ SR 87	87.26	16-Sep-96		14.47	7.18	3.87	695
Cuy R @ SR 87	87.26	24-Jul-96		20.5	7.37	3.8	345
Cuy R @ SR 87	87.26	27-Aug-96		21.82	7.29	4.48	248
Cuy R @ SR 87	87.26	27-Aug-96	<i>Dup. samp</i>	21.80	7.30	4.48	247
Cuy R @ SR 87	87.26	27-Jun-96		18.28	7.3	3.48	252
Cuy R @ Russell Pk	83.8	09-Jul-96		20.97	7.62	4.85	306
Cuy R @ Russell Pk	83.8	16-Sep-96		14.58	7.40	7.17	535

Station	River Mile	Date	Comments	Temp (°C)	pH (s.u.)	D.O.	Cond. (umhos/cm)
Cuy R @ Russell Pk	83.8	24-Jul-96		20.0	7.40	5.1	305
Cuy R @ Russell Pk	83.8	27-Aug-96		21.47	7.6	5.46	262
Cuy R @ Russell Pk	83.8	27-Jun-96		18.98	7.51	5.06	280
<i>Cuy R @ Russell Pk</i>	<i>83.8</i>	<i>27-Jun-96</i>	<i>Dup. samp</i>	<i>18.98</i>	<i>7.51</i>	<i>5.06</i>	<i>280</i>
Cuy R @ US 422	80.51	09-Jul-96		23.06	7.72	5.41	303
Cuy R @ US 422	80.51	16-Sep-96		14.92	7.31	6.22	540
<i>Cuy R @ US 422</i>	<i>80.51</i>	<i>16-Sep-96</i>	<i>Dup. samp</i>	<i>14.92</i>	<i>7.31</i>	<i>6.22</i>	<i>540</i>
Cuy R @ US 422	80.51	24-Jul-96		21.7	7.43	5.1	311
Cuy R @ US 422	80.51	27-Aug-96		21.27	7.58	5.23	272
Cuy R @ US 422	80.51	27-Jun-96		19.44	7.34	4.31	268
Cuy R @ Hiram Rapids	75.83	09-Jul-96	Flow rising	23.52	7.78	6.68	328
Cuy R @ Hiram Rapids	75.83	16-Sep-96		15.42	7.35	6.4	544
Cuy R @ Hiram Rapids	75.83	24-Jul-96	Low, turbid	22.1	7.44	5.3	240
Cuy R @ Hiram Rapids	75.83	27-Aug-96		21.64	7.45	5.35	289
Cuy R @ Hiram Rapids	75.83	27-Jun-96		20.24	7.42	5.04	285
Cuy R @ Pioneer Trail	71.7	09-Jul-96		23.06	7.84	9.43	329
Cuy R @ Pioneer Trail	71.7	16-Sep-96		15.44	7.45	7.15	556
Cuy R @ Pioneer Trail	71.7	24-Jul-96		21.8	7.68	5.3	310
<i>Cuy R @ Pioneer Trail</i>	<i>71.7</i>	<i>24-Jul-96</i>	<i>Dup. samp</i>	<i>21.8</i>	<i>7.68</i>	<i>5.3</i>	<i>310</i>
Cuy R @ Pioneer Trail	71.7	27-Aug-96		21.51	7.47	5.66	291
Cuy R @ Pioneer Trail	71.7	27-Jun-96		20.20	7.69	6.38	286
Cuy R @ Infirmary Rd	67.56	09-Jul-96		22.58	7.85	8.10	336
Cuy R @ Infirmary Rd	67.56	16-Sep-96		15.48	7.53	7.55	589
Cuy R @ Infirmary Rd	67.56	24-Jul-96		21.5	7.46	6.20	301
Cuy R @ Infirmary Rd	67.56	24-Jul-96	Low, turbid	21.6	7.70	6.1	330
Cuy R @ Infirmary Rd	67.56	27-Jun-96		19.78	7.74	6.76	289
Cuy R @ Shalersville Rd	63.26	09-Jul-96		23.19	8.18	12.03	361
Cuy R @ Shalersville Rd	63.26	16-Sep-96		15.64	7.65	8.12	611
Cuy R @ Shalersville Rd	63.26	24-Jul-96		21.0	7.60	5.8	349
Cuy R @ Shalersville Rd	63.26	27-Aug-96		21.49	7.46	6.15	300
Cuy R @ Shalersville Rd	63.26	27-Jun-96		20.92	7.82	7.82	306
Cuy R @ Ravenna Rd	57.67	04-Sep-96		23.02	7.73	5.39	389
Cuy R @ Ravenna Rd	57.67	10-Jul-96		20.39	7.69	5.88	423
Cuy R @ Ravenna Rd	57.67	20-Jun-96		21.70	7.60	5.37	382

Station	River Mile	Date	Comments	Temp (°C)	pH (s.u.)	D.O.	Cond. (umhos/cm)
Cuy R @ Ravenna Rd	57.67	29-Aug-96		23.86	7.73	5.61	389
Cuy R @ Ravenna Rd	57.67	30-Jul-96		21.43	7.50	5.7	556
Cuy R @ Standing Rock	55.8	04-Sep-96		21.87	7.68	5.50	452
<i>Cuy R @ Standing Rock</i>	55.8	<i>04-Sep-96</i>	<i>Dup. samp</i>	<i>21.87</i>	<i>7.68</i>	<i>5.50</i>	<i>452</i>
Cuy R @ Standing Rock	55.8	10-Jul-96		19.62	7.75	6.55	585
Cuy R @ Standing Rock	55.8	20-Jun-96		21.85	7.62	5.66	384
Cuy R @ Standing Rock	55.8	29-Aug-96		21.64	7.75	6.00	460
Cuy R @ Standing Rock	55.8	30-Jul-96		20.75	7.57	6.07	287
Cuy R @ Fuller Park	54.32	04-Sep-96		22.61	7.95	9.01	453
Cuy R @ Fuller Park	54.32	10-Jul-96		20.92	7.89	8.92	602
Cuy R @ Fuller Park	54.32	20-Jun-96		22.05	7.81	8.37	383
Cuy R @ Fuller Park	54.32	29-Aug-96		21.80	7.93	8.40	286
Cuy R @ Fuller Park	54.32	30-Jul-96		21.12	7.81	8.21	715
Cuy R near Middlebury Rd	53.4	04-Sep-96		21.64	7.89	7.89	499
Cuy R near Middlebury Rd	53.4	10-Jul-96		20.82	7.90	8.51	631
Cuy R near Middlebury Rd	53.4	20-Jun-96		22.22	7.77	7.58	346
Cuy R near Middlebury Rd	53.4	29-Aug-96		21.73	7.82	7.22	494
Cuy R near Middlebury Rd	53.4	30-Jul-96		21.00	7.76	6.83	807
Cuy R @ Munroe Falls	50.0	04-Sep-96		23.00	7.91	7.96	595
Cuy R @ Munroe Falls	50.0	10-Jul-96		21.75	8.13	10.51	663
Cuy R @ Munroe Falls	50.0	20-Jun-96		22.33	7.67	6.92	355
Cuy R @ Munroe Falls	50.0	29-Aug-96		21.97	7.69	6.33	545
Cuy R @ Munroe Falls	50.0	30-Jul-96		22.35	7.99	9.19	942
Cuy R @ SR 91	49.78	04-Sep-96		22.77	8.13	9.70	554
Cuy R @ SR 91	49.78	10-Jul-96		22.17	8.24	9.64	333
Cuy R @ SR 91	49.78	20-Jun-96		22.31	7.83	8.48	355
Cuy R @ SR 91	49.78	29-Aug-96		22.15	7.91	8.66	549
Cuy R @ SR 91	49.78	30-Jul-96		22.22	8.07	8.46	819
Cuy R @ Waterworks Park	48.38	04-Sep-96		21.88	7.84	8.38	836
Cuy R @ Waterworks Park	48.38	10-Jul-96		19.86	7.84	10.15	806
Cuy R @ Waterworks Park	48.38	20-Jun-96		22.11	7.85	8.26	379
Cuy R @ Waterworks Park	48.38	29-Aug-96		21.13	7.69	7.64	623
Cuy R @ Waterworks Park	48.38	30-Jul-96		21.86	7.80	6.57	1352
Cuy R near Broad Blvd	46.25	04-Sep-96		22.17	8.21	9.24	766

Station	River Mile	Date	Comments	Temp (°C)	pH (s.u.)	D.O.	Cond. (umhos/cm)
Cuy R near Broad Blvd	46.25	10-Jul-96		21.76	8.36	7.20	826
Cuy R near Broad Blvd	46.25	20-Jun-96		22.41	8.14	8.96	354
Cuy R near Broad Blvd	46.25	29-Aug-96		22.15	8.17	8.82	638
Cuy R near Broad Blvd	46.25	30-Jul-96		22.53	8.31	8.34	1096
Cuy R dst Gorge Dam	43.8	04-Sep-96		22.86	8.56	9.39	721
Cuy R dst Gorge Dam	43.8	10-Jul-96		22.88	8.48	9.72	807
<i>Cuy R dst Gorge Dam</i>	<i>43.8</i>	<i>10-Jul-96</i>	<i>Dup. samp</i>	<i>22.88</i>	<i>8.40</i>	<i>9.72</i>	<i>807</i>
Cuy R dst Gorge Dam	43.8	20-Jun-96		22.79	8.18	8.60	352
Cuy R dst Gorge Dam	43.8	29-Aug-96		22.24	8.23	9.43	620
Cuy R dst Gorge Dam	43.8	30-Jul-96	Rain started	22.66	8.13	7.04	926
<i>Cuy R dst Gorge Dam</i>	<i>43.8</i>	<i>30-Jul-96</i>	<i>Dup. samp</i>	<i>22.66</i>	<i>8.13</i>	<i>7.04</i>	<i>926</i>
Cuy R @ Cuyahoga St	42.6	04-Sep-96		23.09	8.58	10.23	731
Cuy R @ Cuyahoga St	42.6	10-Jul-96		24.07	8.4	9.98	835
Cuy R @ Cuyahoga St	42.6	20-Jun-96		22.74	8.02	8.57	355
Cuy R @ Cuyahoga St	42.6	29-Aug-96		21.7	8.08	8.77	618
Cuy R @ Cuyahoga St	42.6	30-Jul-96	After rain	21.13	7.62	7.31	496
Cuy R @ Cuyahoga St	42.6	30-Jul-96	Rain	21.18	7.48	6.91	844
Cuy R dst L Cuyahoga R.	41.71	04-Sep-96		23.8	8.6	9.5	900
Cuy R dst L Cuyahoga R.	41.71	10-Jul-96		20.7	7.6	7.0	818
Cuy R dst L Cuyahoga R.	41.71	12-Sep-96					
Cuy R dst L Cuyahoga R.	41.71	20-Jun-96		23.0	7.5	7.9	437
Cuy R dst L Cuyahoga R.	41.71	29-Aug-96		23.9	8.6	9.1	720
Cuy R dst L Cuyahoga R.	41.71	30-Jul-96		21.1	7.7	7.1	303
Cuy R ust Akron WWTP	37.97	04-Sep-96		22.9	8.3	8.7	860
Cuy R ust Akron WWTP	37.97	10-Jul-96		20.1	7.7	6.6	808
Cuy R ust Akron WWTP	37.97	20-Jun-96	Port Path gage	23.0	7.7	7.5	447
Cuy R ust Akron WWTP	37.97	29-Aug-96		22.3	8.2	8.2	710
Cuy R ust Akron WWTP	37.97	30-Jul-96		21.7	7.5	7.3	800
Cuy R @ Bath Rd	37.22	04-Sep-96		22.5	8.0	8.2	950
Cuy R @ Bath Rd	37.22	10-Jul-96		20.0	7.6	7.1	999
Cuy R @ Bath Rd	37.22	20-Jun-96		22.0	7.5	7.6	605
Cuy R @ Bath Rd	37.22	29-Aug-96	No field values				
Cuy R @ Bath Rd	37.22	30-Jul-96		21.5	7.5	7.1	808
Cuy R @ Ira Rd	35.31	04-Sep-96		22.3	7.9	8.4	960

Station	River Mile	Date	Comments	Temp (°C)	pH (s.u.)	D.O.	Cond. (umhos/cm)
Cuy R @ Ira Rd	35.31	10-Jul-96		19.8	7.6	7.1	1010
Cuy R @ Ira Rd	35.31	20-Jun-96		22.0	7.7	7.7	525
Cuy R @ Ira Rd	35.31	29-Aug-96		22.2	7.8	8.0	900
Cuy R @ Ira Rd	35.31	30-Jul-96	Mod Rainfall	21.3	7.6	7.1	999
Cuy R @ Bolanz Rd.	33.2	04-Sep-96		22.3	8.0	7.6	930
Cuy R @ Bolanz Rd.	33.2	10-Jul-96		20.0	7.7	6.9	1010
Cuy R @ Bolanz Rd.	33.2	20-Jun-96		22.1	7.6	7.4	515
Cuy R @ Bolanz Rd.	33.2	29-Aug-96		22.7	7.9	7.6	840
Cuy R @ Bolanz Rd.	33.2	30-Jul-96	Hvy rain started	21.7	7.3	6.8	1000
Cuy R @ Boston Mills	26.5	04-Sep-96		22.5	8.4	9.3	930
Cuy R @ Boston Mills	26.5	10-Jul-96		20.0	8.1	8.3	1010
Cuy R @ Boston Mills	26.5	20-Jun-96		22.0	7.7	7.7	493
Cuy R @ Boston Mills	26.5	29-Aug-96		22.6	8.3	9.0	920
Cuy R @ Boston Mills	26.5	30-Jul-96	Rain just started	21.9	7.7	8.0	990
Cuy R @ Station Rd	20.8	04-Sep-96		22.3	8.2	7.3	1000
Cuy R @ Station Rd	20.8	10-Jul-96		20.8	8.1	8.0	1010
Cuy R @ Station Rd	20.8	20-Jun-96		22.0	7.7	7.5	501
Cuy R @ Station Rd	20.8	29-Aug-96		22.6	8.1	7.2	920
Cuy R @ Station Rd	20.8	30-Jul-96		23.1	7.7	7.2	990
Cuy R @ Fitzwater Rd	17.3	04-Sep-96		22.8	8.4	7.9	960
<i>Cuy R @ Fitzwater Rd</i>	<i>17.3</i>	<i>04-Sep-96</i>	<i>Dup. samp</i>				
Cuy R @ Fitzwater Rd	17.3	10-Jul-96		21.5	8.2	9.3	1010
Cuy R @ Fitzwater Rd	17.3	20-Jun-96		22.0	7.7	7.6	493
Cuy R @ Fitzwater Rd	17.3	29-Aug-96		22.7	8.2	7.8	890
<i>Cuy R @ Fitzwater Rd</i>	<i>17.3</i>	<i>29-Aug-96</i>	<i>Dup. samp</i>				
<i>Cuy R @ Fitzwater Rd</i>	<i>17.3</i>	<i>30-Jul-96</i>	<i>Dup. samp</i>	<i>23.5</i>	<i>7.9</i>	<i>7.7</i>	<i>1005</i>
Cuy R @ Fitzwater Rd	17.3	30-Jul-96		23.5	7.9	7.7	1005
Cuy R @ Independence	13.18	04-Sep-96		22.2	8.4	7.8	950
Cuy R @ Independence	13.18	10-Jul-96		21.6	8.6	11.1	1060
<i>Cuy R @ Independence</i>	<i>13.18</i>	<i>10-Jul-96</i>	<i>Dup. samp</i>	<i>21.6</i>	<i>8.6</i>	<i>11.1</i>	<i>1060</i>
Cuy R @ Independence	13.18	20-Jun-96		22.0	7.7	7.7	492
Cuy R @ Independence	13.18	29-Aug-96		22.5	8.2	7.7	910
Cuy R @ Independence	13.18	30-Jul-96		23.2	7.9	7.1	980
Cuy R ust Southerly	10.95	04-Sep-96		22.0	8.3	7.2	920

Station	River Mile	Date	Comments	Temp (°C)	pH (s.u.)	D.O.	Cond. (umhos/cm)
Cuy R ust Southerly	10.95	10-Jul-96		22.5	8.7	12.6	1060
Cuy R ust Southerly	10.95	20-Jun-96		22.2	7.8	7.6	515
Cuy R ust Southerly	10.95	29-Aug-96		22.0	8.2	7.3	910
Cuy R ust Southerly	10.95	30-Jul-96		22.1	7.4	7.7	993
Cuy R dst Southerly	9.7	04-Sep-96		22.5	8.0	7.3	930
Cuy R dst Southerly	9.7	10-Jul-96		22.2	8.1	9.2	1110
Cuy R dst Southerly	9.7	20-Jun-96		22.0	7.7	7.4	572
Cuy R dst Southerly	9.7	29-Aug-96		22.5	7.8	7.5	1010
Cuy R dst Southerly	9.7	30-Jul-96		23.3	7.6	5.8	1020
Cuy R ust Bradley Rd	8.3	04-Sep-96		22.8	8.0	7.1	910
Cuy R ust Bradley Rd	8.3	10-Jul-96		23.0	8.0	10.8	1115
<i>Cuy R ust Bradley Rd</i>	8.3	<i>10-Jul-96</i>	<i>Dup. samp</i>	<i>23.0</i>	<i>8.0</i>	<i>10.8</i>	<i>1115</i>
Cuy R ust Bradley Rd	8.3	20-Jun-96		22.3	7.8	7.7	575
Cuy R ust Bradley Rd	8.3	29-Aug-96		22.2	8.0	7.2	960
Cuy R ust Bradley Rd	8.3	30-Jul-96		22.8	7.3	7.4	1010
Cuy R @ Lower Harvard	7.1	04-Sep-96		22.8	7.9	7.1	910
Cuy R @ Lower Harvard	7.1	10-Jul-96		22.0	8.1	9.8	1060
Cuy R @ Lower Harvard	7.1	20-Jun-96		24.0	7.8	7.2	605
Cuy R @ Lower Harvard	7.1	29-Aug-96		22.0	7.8	7.2	995
Cuy R @ Lower Harvard	7.1	30-Jul-96		22.8	7.6	7.2	1050
Cuy R @ Head of Nav Chan.	5.6	04-Sep-96		25.5	7.8	7.2	1000
Cuy R @ Head of Nav Chan.	5.6	10-Jul-96		25.2	7.9	6.1	1012
Cuy R @ Head of Nav Chan.	5.6	20-Jun-96		22.5	7.78	7.2	580
Cuy R @ Head of Nav Chan.	5.6	29-Aug-96		26.1	7.9	6.9	1050
Cuy R @ Head of Nav Chan.	5.6	30-Jul-96		24.5	7.9	7.3	1100
Cuy R @ Clark Ave.	5.0	04-Sep-96		29.0	7.9	6.7	1200
<i>Cuy R @ Clark Ave.</i>	5.0	<i>10-Jul-96</i>	<i>Dup. samp.</i>	<i>27.8</i>	<i>8.25</i>	<i>7.4</i>	<i>1021</i>
Cuy R @ Clark Ave.	5.0	10-Jul-96		27.8	8.25	7.4	1021
Cuy R @ Clark Ave.	5.0	20-Jun-96		23.2	7.71	6.8	600
Cuy R @ Clark Ave.	5.0	29-Aug-96		29.0	7.8	6.1	1110
Cuy R @ Clark Ave.	5.0	30-Jul-96		27.7	7.8	6.1	1200
Cuy R dst Turn Basin	4.3	04-Sep-96		28.5	7.6	6.0	1178
Cuy R dst Turn Basin	4.3	10-Jul-96		27.1	8.09	6.3	1020
Cuy R dst Turn Basin	4.3	20-Jun-96	Ore boat earlier	23.8	7.6	6.0	625

Station	River Mile	Date	Comments	Temp (°C)	pH (s.u.)	D.O.	Cond. (umhos/cm)
Cuy R dst Turn Basin	4.3	29-Aug-96		27.7	7.8	5.9	1050
Cuy R dst Turn Basin	4.3	30-Jul-96		27.1	7.6	4.7	1200
Cuy R @ W 3rd St	3.26	04-Sep-96		27.5	7.3	5.2	1190
Cuy R @ W 3rd St	3.26	10-Jul-96		26.9	7.65	4.0	1011
Cuy R @ W 3rd St	3.26	20-Jun-96	Ore boat 20 min ago	23.3	7.6	8.7	650
Cuy R @ W 3rd St	3.26	29-Aug-96		27.0	7.6	4.9	1070
Cuy R @ W 3rd St	3.26	30-Jul-96		26.5	7.6	3.5	1150
Cuy R dst Columbus Ave	1.46	04-Sep-96		27.0	7.3	3.6	1175
<i>Cuy R dst Columbus Ave</i>	<i>1.46</i>	<i>04-Sep-96</i>	<i>Dup. samp</i>	<i>27.0</i>	<i>7.3</i>	<i>3.6</i>	<i>1175</i>
Cuy R dst Columbus Ave	1.46	10-Jul-96		26.3	7.48	4.1	1017
Cuy R dst Columbus Ave	1.46	20-Jun-96	Freighter 2 hrs ago	24.0	7.54	3.75	640
Cuy R dst Columbus Ave	1.46	29-Aug-96		27.0	7.5	2.7	1010
<i>Cuy R dst Columbus Ave</i>	<i>1.46</i>	<i>29-Aug-96</i>	<i>Dup. samp. Cd verified 10/96</i>				
Cuy R dst Columbus Ave	1.46	30-Jul-96	After rain	25.0	7.4	4.1	1000
<i>Cuy R dst Columbus Ave</i>	<i>1.46</i>	<i>30-Jul-96</i>	<i>Dup. samp</i>	<i>25.0</i>	<i>7.4</i>	<i>4.1</i>	<i>1000</i>
Furnace Run @ Riverview Rd	33.08/0.27	13-Aug-96		22.5	8.45	8.5	1158
<i>Furnace Run @ Riverview Rd</i>	<i>33.08/0.27</i>	<i>13-Aug-96</i>	<i>Dup. samp</i>				
Furnace Run @ Riverview Rd	33.08/0.27	17-Sep-96		15.0	8.42	9.1	807
Furnace Run @ Riverview Rd	33.08/0.27	20-Aug-96		22.0	8.48	9.2	1213
<i>Furnace Run @ Riverview Rd</i>	<i>33.08/0.27</i>	<i>20-Aug-96</i>	<i>Dup. samp</i>				
Furnace Run @ Riverview Rd	33.08/0.27	23-Jul-96		18.0	8.49	7.3	1076
Furnace Run @ Riverview Rd	33.08/0.27	27-Aug-96		21.0	8.43	9.8	1047
Kingsbury Run near mouth	4.15/0.1	04-Sep-96		28.0	7.4	5.8	1165
Kingsbury Run near mouth	4.15/0.1	10-Jul-96		26.9	8.09	5.9	1020
Kingsbury Run near mouth	4.15/0.1	20-Jun-96		21.5	7.65	10.2	710
Kingsbury Run near mouth	4.15/0.1	29-Aug-96		27.5	7.7	5.8	1070
Kingsbury Run near mouth	4.15/0.1	30-Jul-96		26.9	7.7	4.7	1200
Mill Cr adj SR 14	11.49/3.1	13-Aug-96		17.0	8.08	7.1	1509
Mill Cr adj SR 14	11.49/3.1	17-Sep-96		15.5	8.1	8.1	936
<i>Mill Cr adj SR 14</i>	<i>11.49/3.1</i>	<i>17-Sep-96</i>	<i>Dup. samp</i>				
Mill Cr adj SR 14	11.49/3.1	20-Aug-96		20.0	8.09	7	1453
Mill Cr adj SR 14	11.49/3.1	23-Jul-96		17.5	8.15	6.7	1492

Station	River Mile	Date	Comments	Temp (°C)	pH (s.u.)	D.O.	Cond. (umhos/cm)
Mill Cr adj SR 14	11.49/3.1	27-Aug-96		19.0	8.07	7	1299
Mill Creek @ Canal Rd	11.49/0.12	13-Aug-96		19.0	8.1	7.1	1732
Mill Creek @ Canal Rd	11.49/0.12	17-Sep-96		15.5	9.02	7.9	1041
Mill Creek @ Canal Rd	11.49/0.12	20-Aug-96		22.0	8.13	7.6	1695
Mill Creek @ Canal Rd	11.49/0.12	23-Jul-96		19.5	8.17	6.1	1696
Mill Creek @ Canal Rd	11.49/0.12	27-Aug-96		20.1	7.82	6.1	1591
Morgan Run @ mouth	5.07/0.01	04-Sep-96		29.0	7.4	6.2	1210
Morgan Run @ mouth	5.07/0.01	10-Jul-96		27.3	8.25	8.1	1018
Morgan Run @ mouth	5.07/0.01	20-Jun-96	Dredging opp Morgan Run	22.8	7.78	7.2	660
Morgan Run @ mouth	5.07/0.01	29-Aug-96		29.0	7.8	6.0	1100
Morgan Run @ mouth	5.07/0.01	30-Jul-96		27.5	7.9	6.4	1230
Potter Crk @ Trares Rd	56.82 /1.67/10.22	04-Sep-96		17.62	7.74	7.20	500
Potter Crk @ Trares Rd	10.22	10-Jul-96		16.53	7.84	8.49	498
Potter Crk @ Trares Rd	10.22	20-Jun-96		20.40	7.81	7.43	473
Potter Crk @ Trares Rd	10.22	29-Aug-96		18.38	7.76	7.46	518
<i>Potter Crk @ Trares Rd</i>	<i>10.22</i>	<i>29-Aug-96</i>	<i>Dup. samp</i>	<i>18.38</i>	<i>7.75</i>	<i>7.43</i>	<i>518</i>
Potter Crk @ Trares Rd	10.22	30-Jul-96		17.81	7.76	6.40	650
Sand Run @ Riverview Rd	11.49/0.13	13-Aug-96		19.0	8.65	8.8	878
Sand Run @ Riverview Rd	11.49/0.13	17-Sep-96		15.5	8.24	9.4	240
Sand Run @ Riverview Rd	11.49/0.13	20-Aug-96		18.0	8.55	8.9	878
Sand Run @ Riverview Rd	11.49/0.13	23-Jul-96		18.0	8.61	9.2	866
Sand Run @ Riverview Rd	11.49/0.13	27-Aug-96		18.0	8.4	9.4	866
Tinkers Creek @ Canal Rd	16.36/0.1	13-Aug-96		19.0	8.47	8.5	1170
Tinkers Creek @ Canal Rd	16.36/0.1	17-Sep-96		16.0	8.35	8.9	830
Tinkers Creek @ Canal Rd	16.36/0.1	20-Aug-96		21.0	8.37	8.2	1165
Tinkers Creek @ Canal Rd	16.36/0.1	23-Jul-96		20.0	8.53	8.9	1053
Tinkers Creek @ Canal Rd	16.36/0.1	27-Aug-96		20.0	8.17	8	1158
Wahoo Ditch @ Lakewood Rd	56.82/4.8 /0.39	04-Sep-96		19.58	7.40	3.94	1104
Wahoo Ditch @ Lakewood Rd	0.39	10-Jul-96		18.25	7.63	8.55	1220
Wahoo Ditch @ Lakewood Rd	0.39	20-Jun-96		20.37	7.88	10.84	998
Wahoo Ditch @ Lakewood Rd	0.39	29-Aug-96		20.33	7.69	8.76	1209
Wahoo Ditch @ Lakewood Rd	0.39	30-Jul-96		19.96	7.48	5.74	1516

Station	River Mile	Date	Comments	Temp (°C)	pH (s.u.)	D.O.	Cond. (umhos/cm)
West Br Cuy R @ Rapids Rd	84.9/0.87	09-Jul-96		21.06	7.68	5.75	372
West Br Cuy R @ Rapids Rd	84.9/0.87	16-Sep-96		14.47	7.54	8.26	465
West Br Cuy R @ Rapids Rd	84.9/0.87	24-Jul-96		20.9	7.57	6.0	343
West Br Cuy R @ Rapids Rd	84.9/0.87	27-Aug-96		21.47	7.6	5.46	387
West Br Cuy R @ Rapids Rd	84.9/0.87	27-Jun-96		18.3	7.71	6.82	291
Yellow Creek @ Riverview Rd	37.16/0.14	13-Aug-96		21.0	8.46	10.1	936
Yellow Creek @ Riverview Rd	37.16/0.14	17-Sep-96		14.5	8.45	8.7	720
Yellow Creek @ Riverview Rd	37.16/0.14	20-Aug-96		20.5	8.52	9.1	921
Yellow Creek @ Riverview Rd	37.16/0.14	23-Jul-96		19.5	8.55	9.3	913
Yellow Creek @ Riverview Rd	37.16/0.14	27-Aug-96		19.5	8.49	10.2	936

Station	As		Cd		Ca	Cr		Cu		Pb		Mg
Big Creek @ Park Drive	2	K	0.2	K	56	30	K	10	K	2	K	16
Big Creek @ Park Drive	2	K	0.2	K	39	30	K	10	K	9		10
Big Creek @ Park Drive	2	K	0.2	K	57	30	K	10	K	2	K	17
Big Creek @ Park Drive	2	K	0.2	K	64	30	K	10	K	2	K	18
Big Creek ust Zoo	2	K	0.2	K	59	30	K	10	K	2	K	16
Big Creek ust Zoo	2	K	0.3		66	30	K	10		5		14
Big Creek ust Zoo	2	K	0.2	K	58	30	K	10	K	2	K	16
Big Creek ust Zoo	2	K	0.2	K	63	30	K	10	K	2	K	16
Big Creek ust Zoo	2		0.2	K	66	30	K	10	K	2	K	16
Big Creek @ Jennings Rd	2		0.2	K	55	30	K	10	K	3		15
Big Creek @ Jennings Rd	2		0.3		80	30	K	10	K	4		18
Big Creek @ Jennings Rd	2		0.2		62	30	K	11		32		15
Big Creek @ Jennings Rd	3		0.2	K	56	30	K	10	K	2	K	16
Big Creek @ Jennings Rd	2	K	0.2	K	59	30	K	10	K	10		15
Black Brook @ Fox Rd	4		0.2	K	43	30	K	10	K	3		8
Black Brook @ Fox Rd	3		0.2	K	49	30	K	10	K	2	K	11
Black Brook @ Fox Rd	2		0.2	K	42	30	K	10	K	2	K	9
Black Brook @ Fox Rd	4		0.2	K	44	30	K	10	K	2	K	10
Black Brook @ Fox Rd	2	K	0.2	K	49	30	K	10	K	2	K	10
Brandywine Cr @ Hines Hill Rd	13		0.2	K	125	30	K	10	K	2	K	36
Brandywine Cr @ Hines Hill Rd	3		0.2	K	59	30	K	10	K	2	K	14
Brandywine Cr @ Hines Hill Rd	12		0.2	K	119	30	K	10	K	2	K	34
Brandywine Cr @ Hines Hill Rd	9		0.2	K	121	30	K	10	K	2	K	34
Brandywine Cr @ Hines Hill Rd	10		0.2	K	131	30	K	10	K	2	K	35
Brandywine Creek near mouth	6		0.6		101	30	K	10	K	2	K	27
Brandywine Creek near mouth			0.2	K	73	30	K	10	K	2	K	17
Brandywine Creek near mouth	3		0.2	K	81	30	K	10	K	2	K	21
Brandywine Creek near mouth	4		0.2	K	86	30	K	10	K	2	K	21
Brandywine Creek near mouth	4		0.2	K	71	30	K	10	K	2	K	19
BreakneckCk nr Homestead Rd	6		0.2	K	84	30	K	10	K	2	K	20
BreakneckCk nr Homestead Rd	5		0.2	K	83	30	K	10	K	2	K	19
BreakneckCk nr Homestead Rd	5		0.2	K	60	30	K	10	K	2	K	13
BreakneckCk nr Homestead Rd	8		0.2	K	69	30	K	10	K	2	K	16
BreakneckCk nr Homestead Rd	5		0.2	K	84	30	K	10	K	2	K	20

Station	As	Cd		Ca	Cr		Cu		Pb		Mg	
Breakneck Cr @ Summit Rd	5	0.2	K	80	30	K	10	K	2	K	19	
Breakneck Cr @ Summit Rd	6	0.2	K	81	30	K	10	K	2	K	19	
Breakneck Cr @ Summit Rd	4	0.2	K	48	30	K	10	K	2	K	11	
Breakneck Cr @ Summit Rd	6	0.2	K	66	30	K	10	K	2	K	15	
Breakneck Cr @ Summit Rd	3	0.2	K	80	30	K	10	K	2	K	21	
Breakneck Ck @ Lakewood Rd	5	0.2	K	79	30	K	10	K	2	K	19	
Breakneck Ck @ Lakewood Rd	4	0.2	K	86	30	K	10	K	2	K	20	
Breakneck Ck @ Lakewood Rd	4	0.2	K	47	30	K	10	K	2	K	11	
Breakneck Ck @ Lakewood Rd	2	0.2	K	65	30	K	10	K	2	K	15	
Breakneck Ck @ Lakewood Rd	4	0.2	K	78	30	K	10	K	2	K	20	
Breakneck Ck @ Powder Mill	5	0.2	K	78	30	K	10	K	2	K	18	
Breakneck Ck @ Powder Mill	3	0.2	K	84	30	K	10	K	2	K	19	
Breakneck Ck @ Powder Mill	4	0.2	K	48	30	K	10	K	2	K	11	
Breakneck Ck @ Powder Mill	5	0.2	K	67	30	K	10	K	2	K	16	
Breakneck Ck @ Powder Mill	3	0.2	K	76	30	K	10	K	2	K	19	
Breakneck Crk @ SR 59	3	0.2	K	76	30	K	10	K	2	K	18	
Breakneck Crk @ SR 59	4	0.2	K	84	30	K	10	K	2	K	19	
Breakneck Crk @ SR 59	4	0.2	K	48	30	K	10	K	2	K	11	
Breakneck Crk @ SR 59	5	0.2	K	67	30	K	10	K	2	K	16	
Breakneck Crk @ SR 59	4	0.2	K	75	30	K	10	K	2	K	19	
Breakneck Crk near mouth	3	0.2	K	75	30	K	10	K	2	K	18	
Breakneck Crk near mouth	4	0.2	K	83	30	K	10	K	2	K	19	
Breakneck Crk near mouth	4	0.2	K	48	30	K	10	K	2	K	11	
Breakneck Crk near mouth	4	0.2	K	67	30	K	10	K	2	K	15	
Breakneck Crk near mouth	4	0.2	K	74	10	K			2	K	19	
Bridge Crk @ Stafford Rd	3	0.2	K	62	30	K	10	K	2	K	12	
Bridge Crk @ Stafford Rd	2	0.2	K	45	30	K	10	K	2	K	9	
Bridge Crk @ Stafford Rd	2	0.2	K	58	30	K	10	K	2	K	13	
Bridge Crk @ Stafford Rd	2	K	0.2	K	60	30	K	10	K	2	K	14
Bridge Crk @ Stafford Rd	2		0.2	K	45	30	K	10	K	2	K	9
Bridge Crk @ Taylor May Rd	2	K	0.2	K	66	30	K	10	K	2	K	13
Bridge Crk @ Taylor May Rd	3		0.2	K	52	30	K	10	K	2	K	10
Bridge Crk @ Taylor May Rd	2	K	0.3		63	30	K	10	K	3		13
Bridge Crk @ Taylor May Rd	2	K	0.2	K	63	30	K	10	K	2	K	14

Station	As		Cd		Ca	Cr		Cu		Pb		Mg
Bridge Crk @ Taylor May Rd	2	K	0.2	K	43	30	K	10	K	2	K	9
Bridge Crk dst LaDue Res.	3		0.2	K	32	30	K	10	K	2	K	6
Bridge Crk dst LaDue Res.	3		0.2	K	32	30	K	10	K	2	K	6
Bridge Crk dst LaDue Res.	4		0.2	K	33	30	K	10	K	2	K	7
Bridge Crk dst LaDue Res.	3		0.2	K	32	30	K	10	K	2	K	7
Bridge Crk dst LaDue Res.	3		0.2	K	31	30	K	10	K	2	K	7
Chippewa Crk @ Avery Rd	2	K	0.2	K	123	30	K	10	K	2		43
Chippewa Crk @ Avery Rd	2	K	0.2		124	30	K	10	K	2	K	42
Chippewa Crk @ Avery Rd	2	K	0.2	K	69	30	K	10	K	2	K	18
Chippewa Crk @ Harris Rd	2	K	0.2	K	98	30	K	10	K	2	K	34
Chippewa Crk @ Harris Rd	2	K	0.2	K	101	30	K	10	K	2	K	36
Chippewa Crk @ Harris Rd	2	K	0.2	K	66	30	K	10	K	2	K	17
Chippewa Cr @ Riverview Rd	2		0.2	K	97	30	K	10	K	2	K	37
Chippewa Cr @ Riverview Rd	2	K	0.2	K	94	30	K	10	K	2	K	34
Chippewa Cr @ Riverview Rd	2	K	0.2	K	67	30	K	10	K	2	K	19
Cuy R @ SR 608	3		0.2	K	25	30	K	10	K	2	K	5
Cuy R @ SR 608	3		0.2	K	30	30	K	13		2	K	6
Cuy R @ SR 608	3		0.2	K	25	30	K	10	K	3		5
Cuy R @ SR 608	2	K	0.2	K	26	30	K	10	K	4		6
Cuy R @ SR 608	3		0.2	K	24	30	K			2	K	5
Cuy R @ SR 87	4		0.2	K	29	30	K	10	K	2	K	6
<i>Cuy R @ SR 87</i>	4		0.2	K	29	30	K	10	K	2	K	6
Cuy R @ SR 87	2	K	0.2	K	38	30	K	10	K	2	K	9
Cuy R @ SR 87	3		0.2	K	30	30	K	10	K	2	K	7
Cuy R @ SR 87	2	K	0.2	K	27	30	K	10	K	2	K	6
<i>Cuy R @ SR 87</i>	2	K	0.2	K	28	30	K	10	K	2	K	6
Cuy R @ SR 87	2	K	0.2	K	28	30	K	10	K	2	K	6
Cuy R @ Russell Pk	2		0.2	K	40	30	K	10	K	2	K	8
Cuy R @ Russell Pk	3		0.2	K	33	30	K	10	K	2	K	6
Cuy R @ Russell Pk	3		0.2	K	35	30	K	10	K	2	K	8
Cuy R @ Russell Pk	2		0.2	K	29	30	K	10	K	2	K	7
Cuy R @ Russell Pk	2	K	0.2	K	31	30	K	10	K	2	K	7
<i>Cuy R @ Russell Pk</i>	2	K	0.2	K	31	30	K	10	K	2	K	7
Cuy R @ US 422	3		0.2	K	35	30	K	10	K	2	K	7

Station	As	Cd	Ca	Cr	Cu	Pb	Mg
Cuy R @ US 422	2	0.2 K	34	30 K	10 K	2 K	8
<i>Cuy R @ US 422</i>	3	0.2 K	34	30 K	10 K	2 K	8
Cuy R @ US 422	2	0.2 K	36	30 K	10 K	2 K	8
Cuy R @ US 422	2 K	0.2 K	31	30 K	10 K	2 K	7
Cuy R @ US 422							
Cuy R @ Hiram Rapids	3	0.2 K	40	30 K	10 K	2 K	8
Cuy R @ Hiram Rapids	4	0.2 K	36	30 K	10 K	2 K	8
Cuy R @ Hiram Rapids	4	0.2 K	40	30 K	10 K	2 K	9
Cuy R @ Hiram Rapids	3	0.2 K	34	30 K	10 K	2 K	8
Cuy R @ Hiram Rapids	2 K	0.2 K	34	30 K	10 K	2 K	8
Cuy R @ Pioneer Trail	2	0.2 K	41	30 K	10 K	2 K	9
Cuy R @ Pioneer Trail	3	0.2 K	37	30 K	10 K	2 K	9
Cuy R @ Pioneer Trail	2	0.2 K	38	30 K	10 K	2 K	9
<i>Cuy R @ Pioneer Trail</i>	2	0.2 K	38	30 K	10 K	2 K	9
Cuy R @ Pioneer Trail	2 K	0.2 K	34	30 K	10 K	2 K	8
Cuy R @ Pioneer Trail	2	0.2 K	33	30 K	10 K	2 K	7
Cuy R @ Infirmary Rd	2	0.2 K	42	30 K	10 K	2 K	9
Cuy R @ Infirmary Rd	3	0.2 K	39	30 K	10 K	2 K	9
Cuy R @ Infirmary Rd	2 K	0.2 K	35	30 K	10 K	2 K	8
Cuy R @ Infirmary Rd	2	0.2 K	39	30 K	10 K	2 K	9
Cuy R @ Infirmary Rd	2 K	0.2 K	34	30 K	10 K	2 K	8
Cuy R @ Shalersville Rd	2	0.2 K	44	30 K	10 K	2 K	9
Cuy R @ Shalersville Rd	2	0.2 K	42	30 K	10 K	2 K	10
Cuy R @ Shalersville Rd	2	0.2 K	44	30 K	10 K	2 K	10
Cuy R @ Shalersville Rd	2	0.2 K	37	30 K	10 K	2 K	9
Cuy R @ Shalersville Rd	2 K	0.2 K	35	30 K	10 K	2 K	8
Cuy R @ Ravenna Rd	5	0.2 K	43	30 K	10 K	2 K	10
Cuy R @ Ravenna Rd	4	0.2 K	50	30 K	10 K	2 K	11
Cuy R @ Ravenna Rd	2 K	0.2 K	46	30 K	10 K	2 K	10
Cuy R @ Ravenna Rd	4	0.2 K	41	30 K	10 K	2 K	10
Cuy R @ Ravenna Rd	4	0.2 K	49	30 K	10 K	2 K	11
Cuy R @ Standing Rock	3	0.2 K	51	30 K	10 K	2 K	12
<i>Cuy R @ Standing Rock</i>	3	0.2 K	52	30 K	10 K	2 K	12
Cuy R @ Standing Rock	4	0.2 K	72	30 K	10 K	2 K	16

Station	As	Cd		Ca	Cr		Cu		Pb		Mg	
Cuy R @ Standing Rock	3	0.2	K	47	30	K	10	K	2	K	11	
Cuy R @ Standing Rock	4	0.2	K	51	30	K	10	K	2	K	12	
Cuy R @ Standing Rock	4	0.2	K	62	30	K	10	K	2	K	15	
Cuy R @ Fuller Park	3	0.2	K	50	30	K	10	K	2	K	12	
Cuy R @ Fuller Park	3	0.2	K	71	30	K	10	K	2	K	16	
Cuy R @ Fuller Park	2	0.2	K	46	30	K	10	K	2	K	11	
Cuy R @ Fuller Park	4	0.2	K	52	30	K	10	K	2		12	
Cuy R @ Fuller Park	3	0.2	K	65	30	K	10	K	2	K	14	
Cuy R near Middlebury Rd	2	0.2	K	55	30	K	10	K	2	K	13	
Cuy R near Middlebury Rd	2	0.2	K	70	30	K	10	K	2	K	16	
Cuy R near Middlebury Rd	2	0.2	K	44	30	K	10	K	2	K	10	
Cuy R near Middlebury Rd	4	0.2	K	51	30	K	10	K	2	K	12	
Cuy R near Middlebury Rd	4	0.2	K	67	30	K	10	K	2	K	15	
Cuy R @ Munroe Falls	2	0.2	K	57	30	K	10	K	2	K	14	
Cuy R @ Munroe Falls	3	0.2	K	67	30	K	10	K	2	K	16	
Cuy R @ Munroe Falls	2	K	0.2	K	42	30	K	10	K	2	K	9
Cuy R @ Munroe Falls	4	0.2	K	56	30	K	10	K	2	K	13	
Cuy R @ Munroe Falls	4	0.2	K	70	30	K	10	K	2	K	16	
Cuy R @ SR 91	3	0.2	K	58	30	K	10	K	2	K	14	
Cuy R @ SR 91	2	0.2	K	69	30	K	10	K	2	K	16	
Cuy R @ SR 91	3	0.2	K	42	30	K	10	K	2	K	9	
Cuy R @ SR 91	4	0.2	K	56	30	K	10	K	2	K	13	
Cuy R @ SR 91	2	0.2	K	68	30	K	10	K	2	K	16	
Cuy R @ Waterworks Park	2	0.2	K	74	30	K	10	K	2	K	16	
Cuy R @ Waterworks Park	2	K	0.2	K	78	30	K	10	K	2	18	
Cuy R @ Waterworks Park	3	0.2	K	44	30	K	10	K	2	K	10	
Cuy R @ Waterworks Park	3	0.2	K	62	30	K	10	K	2	K	14	
Cuy R @ Waterworks Park	2	0.2	K	91	30	K	10	K	2	K	20	
Cuy R near Broad Blvd	3	0.2	K	71	30	K	10	K	2	K	16	
Cuy R near Broad Blvd	3	0.2		79	30	K	10	K	3		18	
Cuy R near Broad Blvd	3	0.2	K	41	30	K	10	K	3		9	
Cuy R near Broad Blvd	2	K	0.3	61	30	K	10	K	2	K	14	
Cuy R near Broad Blvd	3	0.2		71	30	K	10	K	2		17	
Cuy R dst Gorge Dam	2	0.2	K	68	30	K	10	K	2	K	16	

Station	As		Cd		Ca	Cr		Cu		Pb		Mg
Cuy R dst Gorge Dam	2	K	0.2	K	72	30	K	10	K	2	K	17
<i>Cuy R dst Gorge Dam</i>	2		0.2	K	72	30	K	10	K	2	K	17
Cuy R dst Gorge Dam	3		0.2	K	41	30	K	10	K	2	K	9
Cuy R dst Gorge Dam	4		0.2	K	61	30	K	10	K	2	K	14
Cuy R dst Gorge Dam	2	K	0.2	K	64	30	K	10	K	2	K	15
<i>Cuy R dst Gorge Dam</i>	2		0.2	K	62	30	K	10	K	2	K	15
Cuy R @ Cuyahoga St	2		0.2		69	30	K	10	K	2	K	16
Cuy R @ Cuyahoga St	2	K	0.2	K	73	30	K	10	K	2	K	18
Cuy R @ Cuyahoga St	3		0.2	K	42	30	K	10	K	2	K	9
Cuy R @ Cuyahoga St	3		0.2	K	61	30	K	10	K	2	K	14
Cuy R @ Cuyahoga St	6		0.8		44	30	K	34		56		12
Cuy R @ Cuyahoga St	3		0.4		65	30	K	10	K	7		15
Cuy R dst L Cuyahoga R.	3		0.2	K	73	30	K	10	K	2	K	17
Cuy R dst L Cuyahoga R.	2	K	0.2	K	77	30	K	10	K	2	K	18
Cuy R dst L Cuyahoga R.												
Cuy R dst L Cuyahoga R.	3		0.2	K	46	30	K	10	K	3		10
Cuy R dst L Cuyahoga R.	3		0.2	K	67	30	K	10	K	2	K	16
Cuy R dst L Cuyahoga R.	9		2.0		68	32		110		236		16
Cuy R ust Akron WWTP	3		0.2	K	75	30	K	10	K	2	K	18
Cuy R ust Akron WWTP	3		0.2	K	78	30	K	10	K	4		18
Cuy R ust Akron WWTP	3		0.2	K	47	30	K	10	K	4		10
Cuy R ust Akron WWTP	3		0.2	K	69	30	K	10	K	2	K	16
Cuy R ust Akron WWTP	3		0.2	K	76	30	K	10	K	8		17
Cuy R @ Bath Rd	2		0.2	K	75	30	K	10	K	2	K	17
Cuy R @ Bath Rd	2		0.2	K	83	30	K	10	K	3		18
Cuy R @ Bath Rd	3		0.2	K	55	30	K	10	K	4		12
Cuy R @ Bath Rd	2		0.2	K	72	30	K	10	K	2	K	17
Cuy R @ Bath Rd	2		0.2	K	77	30	K	10	K	4		17
Cuy R @ Ira Rd	2	K	0.2	K	78	30	K	10	K	2	K	18
Cuy R @ Ira Rd	3		0.2	K	85	30	K	10	K	2		18
Cuy R @ Ira Rd	3		0.2	K	52	30	K	10	K	4		11
Cuy R @ Ira Rd	2		0.2	K	74	30	K	10	K	2	K	17
Cuy R @ Ira Rd	3		0.2	K	74	30	K	10	K	2	K	17
Cuy R @ Bolanz Rd.	4		0.2	K	78	30	K	10	K	2	K	18

Station	As		Cd		Ca	Cr		Cu		Pb		Mg
Cuy R @ Bolanz Rd.	4		0.2	K	85	30	K	10	K	2	K	18
Cuy R @ Bolanz Rd.	2	K	0.2	K	51	30	K	10	K	4		11
Cuy R @ Bolanz Rd.	2		0.2	K	73	30	K	10	K	2	K	17
Cuy R @ Bolanz Rd.	4		0.2	K	81	30	K	10	K	2	K	18
Cuy R @ Boston Mills	4		0.2	K	79	30	K	10	K	2	K	18
Cuy R @ Boston Mills	2	K	0.2	K	84	30	K	10	K	2		18
Cuy R @ Boston Mills	3		0.2	K	51	30	K	10	K	8		12
Cuy R @ Boston Mills	3		0.2	K	75	30	K	10	K	2	K	17
Cuy R @ Boston Mills	3		0.2	K	83	30	K	10	K	2	K	18
Cuy R @ Station Rd	2		0.2	K	80	30	K	10	K	2	K	19
Cuy R @ Station Rd	3		0.2	K	82	30	K	10	K	3		18
Cuy R @ Station Rd	2	K	0.2	K	53	30	K	10	K	8		13
Cuy R @ Station Rd	4		0.2	K	77	30	K	10	K	3		18
Cuy R @ Station Rd	4		0.2	K	82	30	K	10	K	2	K	
Cuy R @ Fitzwater Rd	4		0.2	K	80	30	K	10	K	2	K	19
<i>Cuy R @ Fitzwater Rd</i>	3		0.2	K	80	30	K	10	K	2	K	19
Cuy R @ Fitzwater Rd	2		0.2	K	83	30	K	10	K	3		19
Cuy R @ Fitzwater Rd	3		0.2		56	30	K	10		12		14
Cuy R @ Fitzwater Rd	4		0.2	K	75	30	K	10	K	2		17
<i>Cuy R @ Fitzwater Rd</i>	3		0.2	K	74	30	K	10	K	2		17
<i>Cuy R @ Fitzwater Rd</i>	3		0.2	K	78	30	K	10	K	4		18
Cuy R @ Fitzwater Rd	3		0.2	K	82	30	K	10	K	2	K	19
Cuy R @ Independence	2		0.2	K	81	30	K	10	K	2	K	19
Cuy R @ Independence	4		0.2	K	80	30	K	10	K	3		18
<i>Cuy R @ Independence</i>	4		0.2	K	80	30	K	10	K	3		18
Cuy R @ Independence	4		0.3		63	30	K	20		19		16
Cuy R @ Independence	3		0.2	K	75	30	K	10	K	3		17
Cuy R @ Independence	2		0.2	K	77	30	K	10	K	2		18
Cuy R ust Southerly	3		0.2	K	81	30	K	10	K	2	K	19
Cuy R ust Southerly	3		0.2	K	82	30	K	10	K	4		18
Cuy R ust Southerly	4		0.3		62	30	K	20		20		16
Cuy R ust Southerly	2		0.2	K	75	30	K	10	K	3		18
Cuy R ust Southerly	4		0.2	K	82	30	K	10	K	2	K	19
Cuy R dst Southerly	3		0.2	K	72	30	K	10	K	2	K	18

Station	As	Cd	Ca	Cr	Cu	Pb	Mg
Cuy R dst Southerly	3	0.3	70	30	K	10	17
Cuy R dst Southerly	4	0.3	59	30	K	17	15
Cuy R dst Southerly	3	0.2	K	68	30	K	17
Cuy R dst Southerly	3	0.2	70	30	K	10	17
Cuy R ust Bradley Rd	3	0.2	K	73	30	K	18
Cuy R ust Bradley Rd	3	0.4	73	30	K	10	17
<i>Cuy R ust Bradley Rd</i>	3	0.4	72	30	K	10	17
Cuy R ust Bradley Rd	3	0.4	62	30	K	21	16
Cuy R ust Bradley Rd	4	0.2	70	30	K	10	17
Cuy R ust Bradley Rd	2	K	0.2	K	74	30	18
Cuy R @ Lower Harvard	3	0.2	K	72	30	K	18
Cuy R @ Lower Harvard	4	0.3	73	30	K	10	17
Cuy R @ Lower Harvard	3	0.3	57	30	K	13	14
Cuy R @ Lower Harvard	4	0.4	69	30	K	10	17
Cuy R @ Lower Harvard	3	0.2	74	30	K	10	17
Cuy R @ Head of Nav Channel	4	0.2	K	76	30	K	18
Cuy R @ Head of Nav Channel	4	0.3	75	30	K	12	17
Cuy R @ Head of Nav Channel	4	0.4	55	30	K	13	13
Cuy R @ Head of Nav Channel	4	0.4	73	30	K	10	17
Cuy R @ Head of Nav Channel	2	0.3	77	30	K	10	18
Cuy R @ Clark Ave.	3	0.2	K	77	30	K	18
<i>Cuy R @ Clark Ave.</i>	4	0.3	77	30	K	10	17
Cuy R @ Clark Ave.	4	0.3	78	30	K	10	18
Cuy R @ Clark Ave.	3	0.2	K	52	30	K	11
Cuy R @ Clark Ave.	4	1.7	73	30	K	10	17
Cuy R @ Clark Ave.	4	0.2	78	30	K	10	18
Cuy R dst Turn Basin	4	0.2	77	30	K	10	18
Cuy R dst Turn Basin	4	0.4	82	30	K	10	18
Cuy R dst Turn Basin	2	0.2	52	30	K	10	12
Cuy R dst Turn Basin	5	0.9	73	30	K	10	17
Cuy R dst Turn Basin	3	0.2	75	30	K	10	18
Cuy R @ W 3rd St	3	0.2	K	77	30	K	18
Cuy R @ W 3rd St	4	0.4	81	30	K	10	18
Cuy R @ W 3rd St	4	0.4	51	30	K	10	12

Station	As		Cd		Ca	Cr		Cu		Pb		Mg
Cuy R @ W 3rd St	4		0.3		75	30	K	10	K	4		17
Cuy R @ W 3rd St	3		0.3		72	30	K	10	K	8		17
Cuy R dst Columbus Ave	4		0.2		78	30	K	10	K	5		18
<i>Cuy R dst Columbus Ave</i>	4		0.2	K	78	30	K	10	K	6		18
Cuy R dst Columbus Ave	2	K	0.2	K	80	30	K	10	K	2	K	18
Cuy R dst Columbus Ave	3		0.2		51	30	K	10	K	9		11
Cuy R dst Columbus Ave	4		0.2	K	72	30	K	10	K	3		16
<i>Cuy R dst Columbus Ave</i>	4		0.8		71	30	K	10	K	3		16
Cuy R dst Columbus Ave	4		0.2	K	65	30	K	10	K	4		15
<i>Cuy R dst Columbus Ave</i>	3		0.2	K	64	30	K	10	K	4		15
Furnace Run @ Riverview Rd	2		0.2		78	30	K	10	K	2	K	18
<i>Furnace Run @ Riverview Rd</i>	2	K	0.2	K	75	30	K	10	K	2	K	18
Furnace Run @ Riverview Rd	3		0.2		89	30	K	24		13		21
Furnace Run @ Riverview Rd	2	K	0.2	K	76	30	K	10	K	2	K	18
<i>Furnace Run @ Riverview Rd</i>	2	K	0.2	K	78	30	K	10	K	2	K	18
Furnace Run @ Riverview Rd	2	K	0.2	K	82	30	K	10	K	2	K	18
Furnace Run @ Riverview Rd	2	K	0.2	K	76	30	K	10	K	2	K	18
Kingsbury Run near mouth	4		0.2	K	76	30	K	10	K	3		18
Kingsbury Run near mouth	4		0.3		82	30	K	10	K	6		18
Kingsbury Run near mouth	3		0.2		64	30	K	10	K	8		14
Kingsbury Run near mouth	4		1.0		76	30	K	18		14		15
Kingsbury Run near mouth	4		0.3		75	30	K	10	K	7		18
Mill Cr adj SR 14	3		0.2	K	98	30	K	10	K	2	K	35
Mill Cr adj SR 14	2	K	0.2		76	30	K	10	K	13		17
<i>Mill Cr adj SR 14</i>	2	K	0.2		77	30	K	10	K	15		17
Mill Cr adj SR 14	2	K	0.2	K	98	30	K	10	K	2	K	34
Mill Cr adj SR 14	2	K	0.2	K	109	30	K	10	K	2	K	35
Mill Cr adj SR 14	2		0.2	K	99	30	K	10	K	2	K	28
Mill Creek @ Canal Rd	3		0.2		108	30	K	10	K	3		38
Mill Creek @ Canal Rd	2		0.5		84	30	K	16		23		21
Mill Creek @ Canal Rd	2	K	0.2		107	30	K	10	K	2	K	37
Mill Creek @ Canal Rd	2	K	0.2		118	30	K	10	K	2		37
Mill Creek @ Canal Rd	3		0.2		108	30	K	10	K	2	K	29
Morgan Run @ mouth	3		0.2	K	76	30	K	10	K	3		18

Station	As	Cd	Ca	Cr	Cu	Pb	Mg
Morgan Run @ mouth	5	0.2	79	30	K	10	18
Morgan Run @ mouth	4	0.4	60	30	K	11	12
Morgan Run @ mouth	4	0.7	74	30	K	10	17
Morgan Run @ mouth	4	0.3	77	30	K	10	18
Potter Crk @ Trares Rd	5	0.2	K	78	30	K	19
Potter Crk @ Trares Rd	5	0.2	K	80	30	K	18
Potter Crk @ Trares Rd	5	0.2	K	72	30	K	16
Potter Crk @ Trares Rd	4	0.2	K	76	30	K	17
<i>Potter Crk @ Trares Rd</i>	<i>4</i>	<i>0.2</i>	<i>K</i>	<i>78</i>	<i>30</i>	<i>K</i>	<i>18</i>
Potter Crk @ Trares Rd	5	0.2	K	82	30	K	19
Sand Run @ Riverview Rd	2	0.3		111	30	K	21
Sand Run @ Riverview Rd	13	0.5		50	41		19
Sand Run @ Riverview Rd	2	K	0.2	K	110	30	21
Sand Run @ Riverview Rd	2		0.2	K	119	30	23
Sand Run @ Riverview Rd	2	K	0.2	K	112	30	21
Tinkers Creek @ Canal Rd	4	0.5		86	30	K	22
Tinkers Creek @ Canal Rd	3	0.2	K	73	30	K	16
Tinkers Creek @ Canal Rd	2	K	0.4		67	30	17
Tinkers Creek @ Canal Rd	2	0.3		73	30	K	17
Tinkers Creek @ Canal Rd	2	0.2		82	30	K	19
Wahoo Ditch @ Lakewood Rd	2	K	0.2	K	77	30	17
Wahoo Ditch @ Lakewood Rd	2		0.2	K	78	30	18
Wahoo Ditch @ Lakewood Rd	2	K	0.2	K	72	30	16
Wahoo Ditch @ Lakewood Rd	2	K	0.2	K	75	30	17
Wahoo Ditch @ Lakewood Rd	2	K	0.2	K	74	30	17
West Br Cuy R @ Rapids Rd	3	0.2	K	47	30	K	10
West Br Cuy R @ Rapids Rd	2	K	0.2	K	31	30	6
West Br Cuy R @ Rapids Rd	3	0.2	K	41	30	K	9
West Br Cuy R @ Rapids Rd	2	0.2	K	29	30	K	7
West Br Cuy R @ Rapids Rd	2	K	0.2	K	35	30	8
Yellow Creek @ Riverview Rd	4	0.2	K	88	30	K	18
Yellow Creek @ Riverview Rd	2	K	0.2	K	78	30	18
Yellow Creek @ Riverview Rd	2	K	0.2	K	87	30	21
Yellow Creek @ Riverview Rd	2	0.2	K	87	30	K	20

Station	As		Cd		Ca	Cr		Cu		Pb		Mg
Yellow Creek @ Riverview Rd	2	K	0.2	K	90	30	K	10	K	2	K	22

Station	Hg		Zn		Hardness as CaCO3	COD		NO2-NO3	
Big Creek @ Park Drive	0.2	K	10	K	206	10	K	0.63	
Big Creek @ Park Drive	0.2	K	51		139	22		0.74	
Big Creek @ Park Drive	0.2	K	14		212	20		0.42	
Big Creek @ Park Drive	0.2	K	10	K	234	10	K	0.76	
Big Creek ust Zoo	0.2	K	10	K	213	10	K	0.35	
Big Creek ust Zoo	0.2	K	58		222	28		1.10	
Big Creek ust Zoo	0.2	K	10		211	21		0.17	
Big Creek ust Zoo	0.2	K	10	K	223	16		0.18	
Big Creek ust Zoo	0.2	K	10	K	231	31		0.1	K
Big Creek @ Jennings Rd	0.2	K	10	K	199	10	K	0.44	
Big Creek @ Jennings Rd	0.2	K	38		274	12		1.10	
Big Creek @ Jennings Rd	0.2	K	104		217	24		0.44	
Big Creek @ Jennings Rd	0.2	K	10	K	206	10	K	0.36	
Big Creek @ Jennings Rd			10	K	209	17		0.24	
Black Brook @ Fox Rd	0.2	K	17		140	24		0.10	K
Black Brook @ Fox Rd	0.2	K	10	K	168	10	K	0.10	K
Black Brook @ Fox Rd			10	K	142	16		0.10	K
Black Brook @ Fox Rd	0.2	K	10	K	151	21		0.10	K
Black Brook @ Fox Rd	0.2	K	14		164	19		0.14	
Brandywine Cr @ Hines Hill Rd	0.2	K	22		460	17		9.69	
Brandywine Cr @ Hines Hill Rd	0.2	K	12		205	25		1.66	
Brandywine Cr @ Hines Hill Rd	0.2	K	24		437	21		3088	
Brandywine Cr @ Hines Hill Rd	0.2	K	22		442	12		9.9	
Brandywine Cr @ Hines Hill Rd	0.2	K	17		471	30		8.69	
Brandywine Creek near mouth	0.2	K	10	K	363	14		1.77	
Brandywine Creek near mouth	0.2	K	13		252	12		0.99	
Brandywine Creek near mouth	0.2	K	13		289	21		1.07	
Brandywine Creek near mouth	0.2	K	10	K	301	19		1.6	
Brandywine Creek near mouth	0.2	K	10	K	256				
BreakneckCk nr Homestead Rd	0.2	K	11		292	28		0.39	
BreakneckCk nr Homestead Rd	0.2	K	10	K	285	12		0.62	
BreakneckCk nr Homestead Rd	0.2	K	13		203	38		1.05	
BreakneckCk nr Homestead Rd	0.2	K	10	K	238	36		0.39	
BreakneckCk nr Homestead Rd	0.2	K	12		292	18		0.20	

Station	Hg	Zn	Hardness as CaCO3	COD	NO2-NO3
Breakneck Cr @ Summit Rd	0.2 K	10 K	278	24	0.38
Breakneck Cr @ Summit Rd	0.2 K	10 K	280	12	0.54
Breakneck Cr @ Summit Rd	0.2 K	10 K	165	32	0.88
Breakneck Cr @ Summit Rd	0.2 K	10 K	227	25	0.39
Breakneck Cr @ Summit Rd	0.2 K	10 K	286	10 K	0.21
Breakneck Ck @ Lakewood Rd	0.2 K	10 K	276	21	0.43
Breakneck Ck @ Lakewood Rd	0.2 K	10	297	20	0.49
Breakneck Ck @ Lakewood Rd	0.2 K	10 K	163	38	0.78
Breakneck Ck @ Lakewood Rd	0.2 K	12	224	36	0.39
Breakneck Ck @ Lakewood Rd	0.2 K	10 K	277	10 K	0.22
Breakneck Ck @ Powder Mill	0.2 K	13	269	12	3.95
Breakneck Ck @ Powder Mill	0.2 K	19	288	20	1.99
Breakneck Ck @ Powder Mill	0.2 K	10 K	165	32	0.90
Breakneck Ck @ Powder Mill	0.2 K	13	233	34	2.11
Breakneck Ck @ Powder Mill	0.2 K	12	268	18	2.52
Breakneck Crk @ SR 59	0.2 K	10	264	21	3.89
Breakneck Crk @ SR 59	0.2 K	15	288	20	2.44
Breakneck Crk @ SR 59	0.2 K	10 K	165	35	0.82
Breakneck Crk @ SR 59	0.2 K	10	233	25	2.65
Breakneck Crk @ SR 59	0.2 K	12	266	10 K	4.51
Breakneck Crk near mouth	0.2 K	10 K	261	15	3.22
Breakneck Crk near mouth	0.2 K	10 K	285	18	2.14
Breakneck Crk near mouth	0.2 K	24	165	35	0.71
Breakneck Crk near mouth	0.2 K	28	229	25	2.32
Breakneck Crk near mouth	0.2 K	10 K	263	10 K	3.64
Bridge Crk @ Stafford Rd	0.2 K	10 K	204	10 K	0.50
Bridge Crk @ Stafford Rd	0.2 K	10 K	149	13	0.26
Bridge Crk @ Stafford Rd		10 K	198	10 K	0.59
Bridge Crk @ Stafford Rd	0.2 K	10 K	207	24	0.45
Bridge Crk @ Stafford Rd	0.2 K	10	149	16	0.50
Bridge Crk @ Taylor May Rd	0.2 K	10 K	218	10 K	0.44
Bridge Crk @ Taylor May Rd	0.2 K	10 K	171	10 K	0.33
Bridge Crk @ Taylor May Rd		10 K	211	10 K	0.40
Bridge Crk @ Taylor May Rd	0.2 K	10 K	215	15	0.35

Station	Hg		Zn		Hardness as CaCO3	COD		NO2-NO3	
Bridge Crk @ Taylor May Rd	0.2	K	20		144	22		0.32	
Bridge Crk dst LaDue Res.	0.2	K	10	K	105	10	K	0.10	K
Bridge Crk dst LaDue Res.	0.2	K	10	K	105	16		0.29	
Bridge Crk dst LaDue Res.			10	K	111	10	K	0.11	
Bridge Crk dst LaDue Res.	0.2	K	10	K	109	30		0.10	K
Bridge Crk dst LaDue Res.	0.2	K	11		106	16		0.12	
Chippewa Crk @ Avery Rd	0.2	K	14		484	10	K	0.10	K
Chippewa Crk @ Avery Rd	0.2	K	10	K	483	10	K	0.10	K
Chippewa Crk @ Avery Rd	0.2	K	10	K	246	12		0.53	
Chippewa Crk @ Harris Rd	0.2	K	10	K	385	14		0.92	
Chippewa Crk @ Harris Rd	0.2	K	10	K	400	18		1.00	
Chippewa Crk @ Harris Rd	0.2	K	13		235	18		0.73	
Chippewa Cr @ Riverview Rd	0.2		10	K	395	20		0.16	
Chippewa Cr @ Riverview Rd	0.2	K	10	K	375	10	K	0.10	K
Chippewa Cr @ Riverview Rd	0.2	K	10		246				
Cuy R @ SR 608	0.2	K	10	K	83	21		0.10	K
Cuy R @ SR 608	0.2	K	10	K	100	10	K	0.10	K
Cuy R @ SR 608			10	K	83	16		0.10	
Cuy R @ SR 608	0.2	K	10	K	90	22		0.1	K
Cuy R @ SR 608	0.2	K	14		81	16		0.10	
Cuy R @ SR 87	0.2	K	10	K	97	21		0.39	
<i>Cuy R @ SR 87</i>	<i>0.2</i>	<i>K</i>	<i>10</i>	<i>K</i>	<i>97</i>	<i>21</i>		<i>0.39</i>	
Cuy R @ SR 87	0.2	K	10	K	132	19		0.70	
Cuy R @ SR 87			10	K	104	10	K	0.43	
Cuy R @ SR 87	0.2	K	10	K	92	24		0.10	K
<i>Cuy R @ SR 87</i>	<i>0.2</i>	<i>K</i>	<i>10</i>	<i>K</i>	<i>95</i>	<i>27</i>		<i>0.10</i>	<i>K</i>
Cuy R @ SR 87	0.2	K	19		95	25		0.44	
Cuy R @ Russell Pk	0.2	K	10	K	133	19		0.32	
Cuy R @ Russell Pk	0.2	K	10	K	107	10	K	0.11	
Cuy R @ Russell Pk	0.2	K							
Cuy R @ Russell Pk	0.2	K	10	K	101	20		0.12	
Cuy R @ Russell Pk	0.2	K	17		106	22		0.42	
<i>Cuy R @ Russell Pk</i>	<i>0.2</i>	<i>K</i>	<i>17</i>		<i>106</i>	<i>22</i>		<i>0.42</i>	

Station	Hg	Zn	Hardness as CaCO3	COD	NO2-NO3
Cuy R @ US 422	0.2 K	10 K	116	15	0.17
Cuy R @ US 422	0.2 K	10 K	118	13	0.26
<i>Cuy R @ US 422</i>	0.2 K	10 K	118	10 K	0.27
Cuy R @ US 422		10 K	123	22	0.32
Cuy R @ US 422	0.2 K	10 K	106	41	0.10
Cuy R @ US 422				19	0.32
Cuy R @ Hiram Rapids	0.2 K	10 K	133	15	0.11
Cuy R @ Hiram Rapids	0.2 K	10 K	123	10 K	0.26
Cuy R @ Hiram Rapids		10 K	137	12	0.25
Cuy R @ Hiram Rapids	0.2 K	10 K	118	21	0.10 K
Cuy R @ Hiram Rapids	0.2 K	16	118	30	0.32
Cuy R @ Pioneer Trail	0.2 K	10 K	139	12	0.18
Cuy R @ Pioneer Trail	0.2 K	10 K	129	10 K	0.33
Cuy R @ Pioneer Trail		10 K	132	13	0.38
<i>Cuy R @ Pioneer Trail</i>		10 K	132	13	0.39
Cuy R @ Pioneer Trail	0.2 K	10 K	118	25	0.18
Cuy R @ Pioneer Trail	0.2 K	14	111	16	0.46
Cuy R @ Infirmary Rd	0.2 K	12	142	15	0.41
Cuy R @ Infirmary Rd	0.2 K	11	134	10 K	0.44
Cuy R @ Infirmary Rd	0.2 K	10 K	120	24	0.29
Cuy R @ Infirmary Rd		10 K	134	12	0.67
Cuy R @ Infirmary Rd	0.2 K	23	118	28	0.59
Cuy R @ Shalersville Rd	0.2 K	10 K	147	10 K	0.40
Cuy R @ Shalersville Rd	0.2 K	10 K	146	10 K	0.42
Cuy R @ Shalersville Rd		10 K	151	12	0.66
Cuy R @ Shalersville Rd	0.2 K	10 K	129	27	0.48
Cuy R @ Shalersville Rd	0.2 K	11	120	31	0.62
Cuy R @ Ravenna Rd	0.2 K	10 K	149	18	0.10 K
Cuy R @ Ravenna Rd	0.2 K	10 K	170	20	0.20
Cuy R @ Ravenna Rd	0.2 K	10 K	156	24	0.23
Cuy R @ Ravenna Rd	0.2 K	10 K	144	20	0.10 K
Cuy R @ Ravenna Rd	0.2 K	10 K	168	10 K	0.25
Cuy R @ Standing Rock	0.2 K	10 K	177	10 K	0.87
<i>Cuy R @ Standing Rock</i>	0.2 K	11	179	10 K	0.83

Station	Hg	Zn	Hardness as CaCO3	COD	NO2-NO3
Cuy R @ Standing Rock	0.2 K	14	246	18	1.16
Cuy R @ Standing Rock	0.2 K	13	163	30	0.62
Cuy R @ Standing Rock	0.2 K	10 K	177	20	0.86
Cuy R @ Standing Rock	0.2 K	12	217	10 K	1.90
Cuy R @ Fuller Park	0.2 K	10 K	174	12	0.73
Cuy R @ Fuller Park	0.2 K	11	243	38	1.50
Cuy R @ Fuller Park	0.2 K	27	160	27	0.74
Cuy R @ Fuller Park	0.2 K	10 K	179	22	0.73
Cuy R @ Fuller Park	0.2 K	10 K	220	15	1.29
Cuy R near Middlebury Rd	0.2 K	10 K	191	27	1.45
Cuy R near Middlebury Rd	0.2 K	10 K	241	10 K	2.13
Cuy R near Middlebury Rd	0.2 K	17	151	32	0.84
Cuy R near Middlebury Rd	0.2 K	10 K	177	20	1.22
Cuy R near Middlebury Rd	0.2	10 K	229	12	2.55
Cuy R @ Munroe Falls	0.2 K	10	200	22	2.17
Cuy R @ Munroe Falls	0.2 K	10 K	233	26	2.38
Cuy R @ Munroe Falls	0.2 K	24	142	30	0.62
Cuy R @ Munroe Falls	0.2 K	10 K	193	21	2.13
Cuy R @ Munroe Falls	0.2 K	11	241	22	3.28
Cuy R @ SR 91	0.2 K	10 K	202	24	2.16
Cuy R @ SR 91	0.2 K	10 K	238	18	2.62
Cuy R @ SR 91	0.2 K	10 K	142	24	0.71
Cuy R @ SR 91	0.2 K	12	193	31	2.14
Cuy R @ SR 91	0.2 K	10 K	236	10 K	3.52
Cuy R @ Waterworks Park	0.2 K	10 K	251	36	2.01
Cuy R @ Waterworks Park	0.2 K	10 K	269	15	1.74
Cuy R @ Waterworks Park	0.2 K	15	151	27	0.66
Cuy R @ Waterworks Park	0.2 K	10	212	20	2.08
Cuy R @ Waterworks Park	0.2 K	13	310	12	2.60
Cuy R near Broad Blvd	0.2 K	10 K	243	15	1.87
Cuy R near Broad Blvd	0.2 K	10 K	271	20	1.49
Cuy R near Broad Blvd	0.2 K	19	140	18	0.65
Cuy R near Broad Blvd	0.2 K	13	210	34	1.88
Cuy R near Broad Blvd	0.2 K	11	247	15	2.28

Station	Hg	Zn	Hardness as CaCO3	COD	NO2-NO3
Cuy R dst Gorge Dam	0.2 K	10	236	18	1.73
Cuy R dst Gorge Dam	0.2 K	10 K	250	26	1.85
<i>Cuy R dst Gorge Dam</i>	<i>0.2 K</i>	<i>10 K</i>	<i>250</i>	<i>23</i>	<i>1.86</i>
Cuy R dst Gorge Dam	0.2 K	20	139	27	0.59
Cuy R dst Gorge Dam	0.2 K	10 K	210	22	1.51
Cuy R dst Gorge Dam	0.2 K	10 K	222	28	1.23
<i>Cuy R dst Gorge Dam</i>	<i>0.2 K</i>	<i>10</i>	<i>217</i>	<i>18</i>	<i>1.24</i>
Cuy R @ Cuyahoga St	0.2 K	10	238	12	1.68
Cuy R @ Cuyahoga St	0.2 K	10 K	256	12	1.73
Cuy R @ Cuyahoga St	0.2 K	19	142	21	0.59
Cuy R @ Cuyahoga St	0.2 K	10 K	210	17	1.50
Cuy R @ Cuyahoga St	0.2 K	217	159	103	0.64
Cuy R @ Cuyahoga St	0.2 K	25	224	25	1.03
Cuy R dst L Cuyahoga R.	0.2 K	10 K	252	18	1.05
Cuy R dst L Cuyahoga R.	0.2 K	47	266	15	1.18
Cuy R dst L Cuyahoga R.	0.2 K	10 K	156	24	0.57
Cuy R dst L Cuyahoga R.	0.2 K	10 K	233	25	1.16
Cuy R dst L Cuyahoga R.	0.2 K	691	233	132	0.50
Cuy R ust Akron WWTP	0.2 K	14	261	45	1.07
Cuy R ust Akron WWTP	0.2 K	18	269	20	1.06
Cuy R ust Akron WWTP	0.2 K	10 K	158	24	0.55
Cuy R ust Akron WWTP	0.2 K	13	238	14	1.15
Cuy R ust Akron WWTP	0.2 K	19	251	12	0.70
Cuy R @ Bath Rd	0.2 K	25	257	27	3.29
Cuy R @ Bath Rd	0.2 K	27	281	18	2.86
Cuy R @ Bath Rd	0.2 K	16	187	24	1.72
Cuy R @ Bath Rd	0.2 K	30	250	34	3.97
Cuy R @ Bath Rd	0.2 K	33	252	12	1.63
Cuy R @ Ira Rd	0.2 K	33	269	15	4.38
Cuy R @ Ira Rd	0.2 K	21	286	10 K	3.85
Cuy R @ Ira Rd	0.2 K	21	175	27	1.26
Cuy R @ Ira Rd	0.2 K	33	255	25	4.92
Cuy R @ Ira Rd	0.2 K	30	249	12	3.94

Station	Hg	Zn	Hardness as CaCO3	COD	NO2-NO3
Cuy R @ Bolanz Rd.	0.2 K	29	269	18	4.20
Cuy R @ Bolanz Rd.	0.2 K	30	286	15	4.20
Cuy R @ Bolanz Rd.	0.2 K	18	173	32	1.13
Cuy R @ Bolanz Rd.	0.2 K	27	252	17	4.13
Cuy R @ Bolanz Rd.	0.2 K	31	266	12	3.28
Cuy R @ Boston Mills	0.2 K	22	271	21	4.47
Cuy R @ Boston Mills	0.2 K	21	284	15	4.02
Cuy R @ Boston Mills	0.2 K	32	177	31	0.96
Cuy R @ Boston Mills	0.2 K	25	257	28	4.3
Cuy R @ Boston Mills	0.2 K	21	268	10 K	4.81
Cuy R @ Station Rd	0.2 K	22	278	10 K	4.63
Cuy R @ Station Rd	0.2 K	13	279	26	3.07
Cuy R @ Station Rd	0.2 K	43	186	35	1.01
Cuy R @ Station Rd	0.2 K	26	266	22	3.89
Cuy R @ Station Rd	0.2 K	16	277	12	4.12
Cuy R @ Fitzwater Rd	0.2 K	18	278	10 K	4.40
<i>Cuy R @ Fitzwater Rd</i>	<i>0.2 K</i>	<i>23</i>	<i>278</i>	<i>15</i>	<i>4.31</i>
Cuy R @ Fitzwater Rd	0.2 K	31	285	22	2.60
Cuy R @ Fitzwater Rd	0.2 K	62	197	41	1.00
Cuy R @ Fitzwater Rd	0.2 K	30	257	20	3.43
<i>Cuy R @ Fitzwater Rd</i>	<i>0.2 K</i>	<i>25</i>	<i>255</i>	<i>25</i>	<i>3.4</i>
<i>Cuy R @ Fitzwater Rd</i>	<i>0.2 K</i>	<i>23</i>	<i>263</i>	<i>15</i>	<i>3.81</i>
Cuy R @ Fitzwater Rd	0.2 K	14	283	10 K	4.52
Cuy R @ Independence	0.2 K	18	280	10 K	4.75
Cuy R @ Independence	0.2 K	12	274	23	3.31
<i>Cuy R @ Independence</i>	<i>0.2 K</i>	<i>17</i>	<i>274</i>	<i>20</i>	<i>3.28</i>
Cuy R @ Independence	0.2 K	104	223	53	1.00
Cuy R @ Independence	0.2 K	27	257	11	3.99
Cuy R @ Independence	0.2 K	23	262	10 K	4.06
Cuy R ust Southerly	0.2 K	18	280	10 K	4.81
Cuy R ust Southerly	0.2 K	21	279	26	3.16
Cuy R ust Southerly	0.2 K	105	221	50	1.07
Cuy R ust Southerly	0.2 K	21	261	20	3.48
Cuy R ust Southerly	0.2 K	14	277	18	4.49

Station	Hg	Zn	Hardness as CaCO3	COD	NO2-NO3
Cuy R dst Southerly		27	254	12	9.7
Cuy R dst Southerly	0.2 K	39	245	35	9.44
Cuy R dst Southerly	0.2 K	98	209	55	2.34
Cuy R dst Southerly	0.2 K	43	240	17	8.16
Cuy R dst Southerly	0.2 K	32	245	24	11.2
Cuy R ust Bradley Rd	0.2 K	22	256	15	8.35
Cuy R ust Bradley Rd	0.2 K	44	252	35	8.15
<i>Cuy R ust Bradley Rd</i>	<i>0.2 K</i>	<i>32</i>	<i>250</i>	<i>32</i>	<i>8.23</i>
Cuy R ust Bradley Rd	0.2 K	117	221	59	2.02
Cuy R ust Bradley Rd	0.2 K	43	245	25	7.22
Cuy R ust Bradley Rd	0.2 K	31	259	15	8.39
Cuy R @ Lower Harvard	0.2 K	29	254	12	8.42
Cuy R @ Lower Harvard	0.2 K	24	252	35	6.28
Cuy R @ Lower Harvard	0.2 K	71	200	44	2.18
Cuy R @ Lower Harvard	0.2 K	45	242	31	7.62
Cuy R @ Lower Harvard	0.2 K	30	255	15	9.13
Cuy R @ Head of Nav Channel	0.2 K	38	264	21	9.05
Cuy R @ Head of Nav Channel	0.2 K	49	257	29	7.29
Cuy R @ Head of Nav Channel	0.2 K	69	191	37	2.00
Cuy R @ Head of Nav Channel	0.2 K	48	252	22	8.08
Cuy R @ Head of Nav Channel	0.2 K	37	266	18	9.02
Cuy R @ Clark Ave.	0.2 K	31	266	15	8.99
<i>Cuy R @ Clark Ave.</i>	<i>0.2 K</i>	<i>23</i>	<i>262</i>	<i>32</i>	<i>7.61</i>
Cuy R @ Clark Ave.	0.2 K	49	269	29	7.36
Cuy R @ Clark Ave.	0.2 K	27	175	24	2.06
Cuy R @ Clark Ave.	0.2 K	48	252	28	7.94
Cuy R @ Clark Ave.	0.2 K	41	269	28	8.75
Cuy R dst Turn Basin	0.2 K	80	266	10 K	8.81
Cuy R dst Turn Basin	0.2 K	107	279	32	7.19
Cuy R dst Turn Basin	0.2 K	113	179	24	2.48
Cuy R dst Turn Basin	0.2 K	124	252	34	7.76
Cuy R dst Turn Basin	0.2 K	213	261	31	7.93
Cuy R @ W 3rd St	0.2 K	76	266	15	8.56
Cuy R @ W 3rd St	0.2 K	53	276	23	7.56

Station	Hg	Zn	Hardness as CaCO3	COD	NO2-NO3
Cuy R @ W 3rd St	0.2 K	75	177	24	2.66
Cuy R @ W 3rd St	0.2 K	82	257	20	7.64
Cuy R @ W 3rd St	0.2 K	266	250	26	6.83
Cuy R dst Columbus Ave	0.2 K	109	269	15	7.54
<i>Cuy R dst Columbus Ave</i>	<i>0.2 K</i>	<i>107</i>	<i>269</i>	<i>18</i>	<i>7.35</i>
Cuy R dst Columbus Ave	0.2 K	51	274	24	7.31
Cuy R dst Columbus Ave	0.2 K	38	173	30	2.40
Cuy R dst Columbus Ave	0.2 K	51	246	28	6.47
<i>Cuy R dst Columbus Ave</i>	<i>0.2 K</i>	<i>55</i>		<i>22</i>	<i>6.53</i>
Cuy R dst Columbus Ave	0.2 K	70	224	12	5.75
<i>Cuy R dst Columbus Ave</i>	<i>0.2 K</i>	<i>65</i>	<i>222</i>	<i>18</i>	<i>5.65</i>
Furnace Run @ Riverview Rd	0.2 K	17	269	10 K	0.1 K
<i>Furnace Run @ Riverview Rd</i>	<i>0.2 K</i>	<i>10 K</i>	<i>261</i>	<i>10 K</i>	<i>0.1 K</i>
Furnace Run @ Riverview Rd	0.2 K	101	309	66	0.12
Furnace Run @ Riverview Rd	0.2 K	12	264	12	0.1
<i>Furnace Run @ Riverview Rd</i>	<i>0.2 K</i>	<i>10 K</i>	<i>269</i>	<i>10 K</i>	<i>0.10 K</i>
Furnace Run @ Riverview Rd	0.2 K	10 K	279	10 K	0.1 K
Furnace Run @ Riverview Rd	0.2 K	10 K	264	10 K	0.1 K
Kingsbury Run near mouth	0.2 K	79	264	12	8.72
Kingsbury Run near mouth	0.2 K	71	279	32	7.22
Kingsbury Run near mouth	0.2 K	42	217	34	2.11
Kingsbury Run near mouth	0.2 K	177	252	28	7.71
Kingsbury Run near mouth	0.2 K	221	261	28	7.78
Mill Cr adj SR 14	0.2 K	14	389	11	0.79
Mill Cr adj SR 14	0.2 K	41	260	25	0.83
<i>Mill Cr adj SR 14</i>	<i>0.2 K</i>	<i>46</i>	<i>262</i>	<i>28</i>	<i>0.79</i>
Mill Cr adj SR 14	0.2 K	12	385	27	0.84
Mill Cr adj SR 14	0.2 K	10 K	416	10 K	0.92
Mill Cr adj SR 14	0.2 K	10 K	363	10 K	0.86
Mill Creek @ Canal Rd	0.2 K	68	426	17	1.63
Mill Creek @ Canal Rd	0.2 K	121	296	25	1
Mill Creek @ Canal Rd	0.2 K	42	420	30	1.18
Mill Creek @ Canal Rd	0.2 K	44	447	19	1.67
Mill Creek @ Canal Rd	0.2 K	37	389	15	1.5

Station	Hg	Zn	Hardness as CaCO3	COD	NO2-NO3
Morgan Run @ mouth	0.2 K	30	264	10 K	8.79
Morgan Run @ mouth	0.2 K	18	271	40	7.54
Morgan Run @ mouth	0.2 K	59	199	24	2.10
Morgan Run @ mouth	0.2 K	48	255	31	7.92
Morgan Run @ mouth	0.2 K	44	266	18	8.73
Potter Crk @ Tares Rd	0.2 K	10 K	273	15	0.42
Potter Crk @ Tares Rd	0.2 K	10 K	274	10 K	0.57
Potter Crk @ Tares Rd	0.2 K	10 K	246	28	0.81
Potter Crk @ Tares Rd	0.2 K	10 K	260	20	0.48
<i>Potter Crk @ Tares Rd</i>	<i>0.2 K</i>	<i>10 K</i>	<i>269</i>	<i>11</i>	<i>0.52</i>
Potter Crk @ Tares Rd	0.2 K	10 K	283	10 K	0.51
Sand Run @ Riverview Rd	0.2 K	10 K	364	10 K	0.16
Sand Run @ Riverview Rd	0.2 K	326	203	85	
Sand Run @ Riverview Rd	0.2 K	11	361	15	0.12
Sand Run @ Riverview Rd	0.2 K	10 K	332	10	0.19
Sand Run @ Riverview Rd	0.2 K	10 K	366	10 K	0.17
Tinkers Creek @ Canal Rd		17	305	22	8.7
Tinkers Creek @ Canal Rd	0.2 K	23	248	19	2.9
Tinkers Creek @ Canal Rd	0.2 K	25	237	18	7.87
Tinkers Creek @ Canal Rd	0.2 K	13	252	16	6.64
Tinkers Creek @ Canal Rd	0.2 K	16	283	18	7.94
Wahoo Ditch @ Lakewood Rd	0.2 K	25	262	15	9.07
Wahoo Ditch @ Lakewood Rd	0.2 K	41	269	32	4.81
Wahoo Ditch @ Lakewood Rd	0.2 K	23	246	32	4.06
Wahoo Ditch @ Lakewood Rd	0.2 K	22	257	28	11.5
Wahoo Ditch @ Lakewood Rd	0.2 K	25	255	26	4.72
West Br Cuy R @ Rapids Rd	0.2 K	10 K	159	10 K	0.22
West Br Cuy R @ Rapids Rd	0.2 K	10 K	102	22	0.10
West Br Cuy R @ Rapids Rd		10 K	139	12	0.37
West Br Cuy R @ Rapids Rd	0.2 K	10 K	101	20	0.12
West Br Cuy R @ Rapids Rd	0.2 K	10 K	120	22	0.46
Yellow Creek @ Riverview Rd	0.2 K	10 K	293	10 K	0.31
Yellow Creek @ Riverview Rd	0.2 K	24	269	12	0.44
Yellow Creek @ Riverview Rd	0.2 K	11	304	61	0.23
Yellow Creek @ Riverview Rd	0.2 K	10 K	300	10 K	0.3
Yellow Creek @ Riverview Rd	0.2 K	10 K	315	24	0.29

Station	NH3-N		TKN		Total-P		TDS	TSS		FC Bacteria
Big Creek @ Park Drive	0.05	K	0.2		0.09		460	5	K	17000
Big Creek @ Park Drive	0.11		0.2	K	0.05		298	131		14000
Big Creek @ Park Drive	0.07		0.5		0.06		458	5	K	7500
Big Creek @ Park Drive	0.05		0.2	K	0.05	K	506	5	K	
Big Creek ust Zoo	0.05	K	0.5		0.05	K	574	5	K	210
Big Creek ust Zoo	0.47		0.6		0.08		566	18		66000
Big Creek ust Zoo	0.06		0.6		0.05	K	552	5	K	170
Big Creek ust Zoo	0.05	K	0.6		0.05	K	586	5	K	180
Big Creek ust Zoo	0.05	K	0.6		0.05	K	586	5	K	620
Big Creek @ Jennings Rd	0.15		0.7		0.08		626	5	K	3200
Big Creek @ Jennings Rd	0.16		0.2	K	0.05	K	676	18		13000
Big Creek @ Jennings Rd	0.10		0.6		0.05	K	640	64		2500
Big Creek @ Jennings Rd	0.23		0.2	K	0.05	K	684	5		1400
Big Creek @ Jennings Rd	0.21		0.6		0.05	K	668	5		390
Black Brook @ Fox Rd	0.05	K	0.4		0.12		208	70		23
Black Brook @ Fox Rd	0.06		0.4		0.05	K	220	11		15
Black Brook @ Fox Rd	0.05		0.3		0.07		214	22		13
Black Brook @ Fox Rd	0.05	K	0.3		0.05	K	238	15		37
Black Brook @ Fox Rd	0.05	K	0.4		0.05		232	26		
Brandywine Cr @ Hines Hill Rd	0.54		1.6		1.41		1340	7		190
Brandywine Cr @ Hines Hill Rd	0.15		0.02	K	0.21		570	23		2000
Brandywine Cr @ Hines Hill Rd	1.44		1.8		1.24		1190	29		150
Brandywine Cr @ Hines Hill Rd	0.24		1.3		1.56		1280	20		380
Brandywine Cr @ Hines Hill Rd	0.82		0.2	K	0.12		1130	9		250
Brandywine Creek near mouth	0.06		1.0		0.22		944	16		770
Brandywine Creek near mouth	0.05	K	0.2	K	0.1		620	19		200
Brandywine Creek near mouth	0.1		0.6		0.12		682	13		120
Brandywine Creek near mouth	0.05	K	0.8		0.18		736	5	K	230
Brandywine Creek near mouth							640	5	K	160
BreakneckCk nr Homestead Rd	0.06		0.4		0.06		416	14		
BreakneckCk nr Homestead Rd	0.05		0.2		0.11		387	9		
BreakneckCk nr Homestead Rd	0.11		0.9		0.28		308	22		
BreakneckCk nr Homestead Rd	0.06		0.5		0.11		382	9		
BreakneckCk nr Homestead Rd	0.05	K	0.3		0.05		412	9		

Station	NH3-N		TKN		Total-P	TDS	TSS	FC Bacteria	
Breakneck Cr @ Summit Rd	0.05	K	0.4		0.05	406	9		
Breakneck Cr @ Summit Rd	0.05	K	0.2	K	0.12	386	8		
Breakneck Cr @ Summit Rd	0.09		0.9		0.17	262	6		
Breakneck Cr @ Summit Rd	0.05	K	0.4		0.10	362	9		
Breakneck Cr @ Summit Rd	0.05	K	0.3		0.07	420	5	K	
Breakneck Ck @ Lakewood Rd	0.05	K	0.5			406	8		190
Breakneck Ck @ Lakewood Rd	0.05	K	0.2	K	0.23	406	15		
Breakneck Ck @ Lakewood Rd	0.09		0.9		0.14	264	7		
Breakneck Ck @ Lakewood Rd	0.05	K	0.5		0.08	360	14		14
Breakneck Ck @ Lakewood Rd	0.05	K	0.3		0.09	393	13		
Breakneck Ck @ Powder Mill	0.05	K	0.5		0.08	524	5	K	130
Breakneck Ck @ Powder Mill	0.15		0.5		0.07	498	6		
Breakneck Ck @ Powder Mill	0.16		1.0		0.11	280	14		
Breakneck Ck @ Powder Mill	0.05	K	0.6		0.10	434	5		130
Breakneck Ck @ Powder Mill	0.67		1.2		0.15	548	5	K	
Breakneck Crk @ SR 59	0.05	K	0.6		0.08	476	5	K	
Breakneck Crk @ SR 59	0.05	K	0.4		0.08	508	6		
Breakneck Crk @ SR 59	0.15		0.9		0.15	284	12		
Breakneck Crk @ SR 59	0.05	K	0.5		0.12	456	5	K	
Breakneck Crk @ SR 59	0.05	K	0.6		0.14	500	5	K	
Breakneck Crk near mouth	0.05	K	0.3		0.12	464	5	K	
Breakneck Crk near mouth	0.05	K	0.4		0.08	510	5	K	
Breakneck Crk near mouth	0.15		0.9		0.17	288	11		
Breakneck Crk near mouth	0.05	K	0.5		0.11	444	5		
Breakneck Crk near mouth	0.05	K	0.4		0.14	474	5	K	
Bridge Crk @ Stafford Rd	0.10		0.4		0.09	246	5	K	130
Bridge Crk @ Stafford Rd	0.05	K	0.4		0.05	K	236	5	K
Bridge Crk @ Stafford Rd	0.10		0.2	K	0.11	248	5	K	260
Bridge Crk @ Stafford Rd	0.05	K	0.2	K	0.05	K	272	5	K
Bridge Crk @ Stafford Rd	0.16		0.6		0.14	200	5	K	180
Bridge Crk @ Taylor May Rd	0.05	K	0.3		0.16	284	5	K	250
Bridge Crk @ Taylor May Rd	0.05	K	0.4		0.05	K	278	5	K
Bridge Crk @ Taylor May Rd	0.05	K	0.2	K	0.05	K	288	5	K
Bridge Crk @ Taylor May Rd	0.05	K	0.2	K	0.05	K	316	5	K

Station	NH3-N		TKN		Total-P		TDS	TSS	FC Bacteria
Bridge Crk @ Taylor May Rd	0.05	K	0.5		0.07		206	6	70
Bridge Crk dst LaDue Res.	0.10		0.4		0.05	K	174	12	49
Bridge Crk dst LaDue Res.	0.05		0.5		0.07		224	12	15
Bridge Crk dst LaDue Res.	0.10		0.2	K	0.05	K	158	10	57
Bridge Crk dst LaDue Res.	0.09		0.3		0.05	K	184	8	60
Bridge Crk dst LaDue Res.	0.19		0.6		0.06		160	8	
Chippewa Crk @ Avery Rd	0.07		0.2	K	0.05	K	720	5	K 140
Chippewa Crk @ Avery Rd	0.05		0.2	K	0.05	K	734	25	
Chippewa Crk @ Avery Rd	0.05	K	0.5		0.05	K	410	5	K
Chippewa Crk @ Harris Rd	0.05		0.2	K	0.05	K	670	5	K 78
Chippewa Crk @ Harris Rd	0.05	K	0.2	K	0.05	K	730	5	K
Chippewa Crk @ Harris Rd	0.17		0.6		0.05	K	420	5	K
Chippewa Cr @ Riverview Rd	0.05	K	0.10		0.05	K	734	8	48
Chippewa Cr @ Riverview Rd	0.05	K	0.2	K	0.05	K	752	5	K
Chippewa Cr @ Riverview Rd							460	5	K
Cuy R @ SR 608	0.16		0.5		1.48		126	14	16
Cuy R @ SR 608	0.07		0.2	K	0.05	K	160	14	70
Cuy R @ SR 608	0.18		0.2	K	0.05	K	116	15	23
Cuy R @ SR 608	0.05	K	0.4		0.05	K	140	10	8
Cuy R @ SR 608	0.40		0.8		0.06		114	12	30
Cuy R @ SR 87	0.11		0.5		0.10		172	12	200
<i>Cuy R @ SR 87</i>	<i>0.11</i>		<i>0.4</i>		<i>0.07</i>		<i>168</i>	<i>11</i>	<i>160</i>
Cuy R @ SR 87	0.08		0.7		0.09		284	6	150
Cuy R @ SR 87	0.11		0.2		0.05	K	172	17	100
Cuy R @ SR 87	0.05	K	0.4		0.07		158	9	100
<i>Cuy R @ SR 87</i>	<i>0.05</i>	<i>K</i>	<i>0.4</i>		<i>0.05</i>		<i>160</i>	<i>9</i>	
Cuy R @ SR 87	0.23		0.7		0.15		174	14	
Cuy R @ Russell Pk	0.10		0.6		0.13		202	26	500
Cuy R @ Russell Pk	0.09		0.3		0.05	K	186	9	160
Cuy R @ Russell Pk							192	22	200
Cuy R @ Russell Pk	0.05	K	0.3		0.08		172	11	84
Cuy R @ Russell Pk	0.13		0.6		0.19		192	24	140
<i>Cuy R @ Russell Pk</i>	<i>0.13</i>		<i>0.6</i>		<i>0.19</i>		<i>192</i>	<i>24</i>	<i>140</i>
Cuy R @ US 422	0.06		0.4		0.27		190	16	140

Station	NH3-N	TKN	Total-P	TDS	TSS	FC Bacteria
Cuy R @ US 422	0.07	0.5	0.06	225	15	170
<i>Cuy R @ US 422</i>	<i>0.07</i>	<i>0.5</i>	<i>0.05 K</i>	<i>224</i>	<i>15</i>	
Cuy R @ US 422	0.08	0.4	0.13	182	18	73
Cuy R @ US 422	0.05	0.4	0.06	178	15	45
Cuy R @ US 422	0.15	0.6	0.40	180	22	
Cuy R @ Hiram Rapids	0.05 K	0.5	0.05 K	208	24	71
Cuy R @ Hiram Rapids	0.07	0.2	0.05 K	264	19	85
Cuy R @ Hiram Rapids	0.05	0.2 K	0.05 K	196	27	43
Cuy R @ Hiram Rapids	0.05 K	0.3	0.05	196	21	60
Cuy R @ Hiram Rapids	0.10	0.5	0.19	193	30	120
Cuy R @ Pioneer Trail	0.05 K	0.4	0.06	209	7	160
Cuy R @ Pioneer Trail	0.07	0.4	0.05 K	220	12	200
Cuy R @ Pioneer Trail	0.05	0.2	0.15	206	10	40
<i>Cuy R @ Pioneer Trail</i>	<i>0.05</i>	<i>0.2</i>	<i>0.16</i>	<i>198</i>	<i>10</i>	
Cuy R @ Pioneer Trail	0.05 K	0.2	0.05 K	196	8	16
Cuy R @ Pioneer Trail	0.09	0.6	0.10	192	21	40
Cuy R @ Infirmary Rd	0.05 K	0.3	0.30	218	20	150
Cuy R @ Infirmary Rd	0.06	0.3	0.05 K	246	14	150
Cuy R @ Infirmary Rd	0.05 K	0.2	0.05 K	206	15	88
Cuy R @ Infirmary Rd	0.05 K	0.2 K	0.05 K	212	23	100
Cuy R @ Infirmary Rd	0.06	0.5	0.10	192	27	
Cuy R @ Shalersville Rd	0.05 K	0.2	1.08	226	5	47
Cuy R @ Shalersville Rd	0.05 K	0.2	0.05 K	250	9	95
Cuy R @ Shalersville Rd	0.05 K	0.2	0.05 K	220	16	33
Cuy R @ Shalersville Rd	0.05 K	0.2	0.05 K	220	15	68
Cuy R @ Shalersville Rd	0.05 K	0.5	0.14	188	21	110
Cuy R @ Ravenna Rd	0.07	0.5	0.07	256	5	18
Cuy R @ Ravenna Rd	0.16	0.6	0.29	306	5 K	10
Cuy R @ Ravenna Rd	0.28	0.7	0.30	262	5 K	50
Cuy R @ Ravenna Rd	0.07	0.2	0.07	250	5	6
Cuy R @ Ravenna Rd	0.17	0.6	0.10	302	5 K	20
Cuy R @ Standing Rock	0.08	0.5	0.05 K	310	5 K	33
<i>Cuy R @ Standing Rock</i>	<i>0.05</i>	<i>0.5</i>	<i>0.05 K</i>	<i>306</i>	<i>5 K</i>	<i>33</i>
Cuy R @ Standing Rock	0.06	0.5	0.07	404	6	230

Station	NH3-N	TKN	Total-P	TDS	TSS	FC Bacteria			
Cuy R @ Standing Rock	0.14	0.8	0.12	272	14	180			
Cuy R @ Standing Rock	0.05	0.4	0.07	324	5	40			
Cuy R @ Standing Rock	0.07	0.6	0.11	390	7	220			
Cuy R @ Fuller Park	0.05	K	0.4	0.08	300	5	K	30	
Cuy R @ Fuller Park	0.05	K	0.4	0.09	396	7		180	
Cuy R @ Fuller Park	0.12		0.8	0.10	272	8		280	
Cuy R @ Fuller Park	0.05		0.4	0.09	328	5		150	
Cuy R @ Fuller Park	0.05	K	0.5	0.10	384	5		440	
Cuy R near Middlebury Rd	0.05	K	0.5	0.05	K	322	5	K	60
Cuy R near Middlebury Rd	0.05	K	0.4	0.11		420	6		140
Cuy R near Middlebury Rd	0.11		0.8	0.26		262	10		300
Cuy R near Middlebury Rd	0.08		0.4	0.10		328	7		370
Cuy R near Middlebury Rd	0.05		0.6	0.10		430	6		1000
Cuy R @ Munroe Falls	0.06		0.6	0.08		380	5	K	
Cuy R @ Munroe Falls	0.05	K	0.8	0.07		435	11		10
Cuy R @ Munroe Falls	0.15		0.9	0.12		242	12		250
Cuy R @ Munroe Falls	0.12		0.5	0.08		374	8		
Cuy R @ Munroe Falls	0.05	K	0.8	0.09		486	6		
Cuy R @ SR 91	0.05	K	0.5	0.11		384	7		30
Cuy R @ SR 91	0.05	K	0.6	0.08		434	11		40
Cuy R @ SR 91	0.13		0.8	0.10		242	11		340
Cuy R @ SR 91	0.14		0.4	0.08		376	9		10
Cuy R @ SR 91	0.05		0.7	0.10		486	6		40
Cuy R @ Waterworks Park	0.05	K	0.6	0.07		540	9		
Cuy R @ Waterworks Park	0.05	K	0.17	0.07		492	12		
Cuy R @ Waterworks Park	0.14		0.8	0.05		260	12		
Cuy R @ Waterworks Park	0.09		0.2	0.09		433	10		
Cuy R @ Waterworks Park	0.05	K	0.7	0.07		630	5		
Cuy R near Broad Blvd	0.05	K	0.8	0.06		494	10		100
Cuy R near Broad Blvd	0.05	K	0.7	0.05		530	13		60
Cuy R near Broad Blvd	0.11		0.6	0.05	K	252	14		260
Cuy R near Broad Blvd	0.08		0.2	K	0.10	428	14		90
Cuy R near Broad Blvd	0.08		0.9	0.07		534	9		120
Cuy R dst Gorge Dam	0.05	K	0.8	0.05		448	6		

Station	NH3-N	TKN	Total-P	TDS	TSS	FC Bacteria
Cuy R dst Gorge Dam	0.06	0.8	0.05 K	520	7	
<i>Cuy R dst Gorge Dam</i>	<i>0.06</i>	<i>0.8</i>	<i>0.05 K</i>	<i>514</i>	<i>7</i>	
Cuy R dst Gorge Dam	0.11	0.7	0.08	230	14	360
Cuy R dst Gorge Dam	0.05 K	0.2	0.06	420	6	
Cuy R dst Gorge Dam	0.13	0.7	0.06	456	5	
<i>Cuy R dst Gorge Dam</i>	<i>0.12</i>	<i>0.7</i>	<i>0.06</i>	<i>466</i>	<i>5</i>	
Cuy R @ Cuyahoga St	0.05 K	0.7	0.05 K	456	5	280
Cuy R @ Cuyahoga St	0.05	0.7	.05 K	512	8	
Cuy R @ Cuyahoga St	0.11	0.7	0.06	248	19	360
Cuy R @ Cuyahoga St	0.05 K	0.2	0.07	420	9	90
Cuy R @ Cuyahoga St	0.79	1.6	0.68	254	342	200000
Cuy R @ Cuyahoga St	0.17	0.7	0.20	432	61	2100
Cuy R dst L Cuyahoga R.	0.05 K	0.6	0.05 K	540	5 K	450
Cuy R dst L Cuyahoga R.	0.11	0.8	0.05 K	524	11	1100
Cuy R dst L Cuyahoga R.						190000
Cuy R dst L Cuyahoga R.	0.12	0.5	0.15	250	18	500
Cuy R dst L Cuyahoga R.	0.05	0.2 K	0.05 K	448	7	86
Cuy R dst L Cuyahoga R.	0.75	1.2	0.6	228	381	140000
Cuy R ust Akron WWTP	0.05 K	0.6	0.05 K	538	7	200
Cuy R ust Akron WWTP	0.06	0.7	0.05 K	524	19	2400
Cuy R ust Akron WWTP	0.09	0.4	0.84	260	30	600
Cuy R ust Akron WWTP	0.05 K	0.2 K	0.05 K	446	10	110
Cuy R ust Akron WWTP	0.10	0.3	0.19	512	31	1700
Cuy R @ Bath Rd	0.05 K	0.7	0.23	574	5	160
Cuy R @ Bath Rd	0.26	1.1	0.15	646	11	700
Cuy R @ Bath Rd	0.09	0.7	0.05 K	332	26	630
Cuy R @ Bath Rd	0.05 K	0.2 K	0.10	520	8	110
Cuy R @ Bath Rd	0.16	0.5	0.15	528	20	2600
Cuy R @ Ira Rd	0.05 K	0.7	0.33	592	5 K	
Cuy R @ Ira Rd	0.38	1.2	0.21	687	16	
Cuy R @ Ira Rd	0.08	0.6	0.05	320	53	
Cuy R @ Ira Rd	0.05 K	0.2 K	0.14	558	10	
Cuy R @ Ira Rd	0.47	1.2	0.40	592	6	
Cuy R @ Bolanz Rd.	0.05 K	0.7	0.26	586	5 K	

Station	NH3-N	TKN	Total-P	TDS	TSS	FC Bacteria
Cuy R @ Bolanz Rd.	0.30	1.1	0.19	662	11	
Cuy R @ Bolanz Rd.	0.09	0.5	0.07	312	66	
Cuy R @ Bolanz Rd.	0.05 K	0.2 K	0.05 K	522	11	
Cuy R @ Bolanz Rd.	0.69	1.3	0.34	604	7	
Cuy R @ Boston Mills	0.05 K	0.6	0.29	590	6	
Cuy R @ Boston Mills	0.05 K	0.8	0.16	684	14	
Cuy R @ Boston Mills	0.07	0.5	0.12	296	150	
Cuy R @ Boston Mills	0.05 K	0.2 K	0.16	568	13	
Cuy R @ Boston Mills	0.07	0.6	0.34	612	5	
Cuy R @ Station Rd	0.05 K	0.6	0.28	596	16	
Cuy R @ Station Rd	0.05 K	0.6	0.10	670	19	
Cuy R @ Station Rd	0.07	0.6	0.16	306	214	
Cuy R @ Station Rd	0.05 K	0.2 K	0.2	584	22	
Cuy R @ Station Rd	0.05 K	0.6	0.29	610	15	
Cuy R @ Fitzwater Rd	0.05 K	0.6	0.76	592	16	
<i>Cuy R @ Fitzwater Rd</i>	<i>0.05 K</i>	<i>0.6</i>	<i>0.29</i>	<i>602</i>	<i>17</i>	
Cuy R @ Fitzwater Rd	0.05 K	0.9	0.11	648	33	
Cuy R @ Fitzwater Rd	0.07	0.5	0.08	300	406	
Cuy R @ Fitzwater Rd	0.05 K	0.2 K	0.19	566	28	
<i>Cuy R @ Fitzwater Rd</i>	<i>0.05 K</i>	<i>0.2 K</i>	<i>0.19</i>	<i>572</i>	<i>33</i>	
Cuy R @ Fitzwater Rd	0.05	0.5	0.32	626	21	
<i>Cuy R @ Fitzwater Rd</i>	<i>0.05 K</i>	<i>0.7</i>	<i>0.32</i>	<i>636</i>	<i>16</i>	
Cuy R @ Independence	0.05 K	0.7	0.24	604	14	270
Cuy R @ Independence	0.05 K	0.8	0.46	684	28	330
<i>Cuy R @ Independence</i>	<i>0.05 K</i>	<i>0.7</i>	<i>0.48</i>	<i>676</i>	<i>25</i>	
Cuy R @ Independence	0.08	0.5	0.15	296	636	6900
Cuy R @ Independence	0.05 K	0.2 K	0.17	578	28	400
Cuy R @ Independence	0.05 K	0.5	0.23	608	22	330
Cuy R ust Southerly	0.05 K	0.6	0.24	598	16	130
Cuy R ust Southerly	0.05 K	0.9	0.09	680	35	350
Cuy R ust Southerly	0.09	0.6	0.14	324	740	5900
Cuy R ust Southerly	0.05 K	0.2 K	0.18	570	37	300
Cuy R ust Southerly	0.05 K	0.4	0.31	624	17	350
Cuy R dst Southerly	0.08	1.2	0.42	594	11	80

Station	NH3-N	TKN	Total-P	TDS	TSS	FC Bacteria
Cuy R dst Southerly	0.08	1.6	0.37	726	37	250
Cuy R dst Southerly	0.09	0.7	0.13	368	514	5400
Cuy R dst Southerly	0.05 K	0.2 K	0.36	632	23	100
Cuy R dst Southerly	0.11	1.6	0.27	680	15	250
Cuy R ust Bradley Rd	0.08	1.0	0.38	596	16	
Cuy R ust Bradley Rd	0.05 K	1.2	0.34	714	48	
<i>Cuy R ust Bradley Rd</i>	<i>0.05 K</i>	<i>1.1</i>	<i>0.33</i>	<i>707</i>	<i>59</i>	
Cuy R ust Bradley Rd	0.09	1.0	0.32	354	636	
Cuy R ust Bradley Rd	0.06	0.2 K	0.33	610	25	
Cuy R ust Bradley Rd	0.10	1.2	0.29	646	16	
Cuy R @ Lower Harvard	0.13	1.2	0.42	596	17	90
Cuy R @ Lower Harvard	0.05 K	1.0	0.24	680	58	660
Cuy R @ Lower Harvard	0.09	0.7	0.37	342	370	3900
Cuy R @ Lower Harvard	0.10	0.2 K	0.35	628	33	300
Cuy R @ Lower Harvard	0.16	1.5	0.25	666	26	230
Cuy R @ Head of Nav Channel	0.19	1.2	0.44	638	30	
Cuy R @ Head of Nav Channel	0.21	1.4	0.63	682	34	
Cuy R @ Head of Nav Channel	0.09	0.6	0.19	348	222	
Cuy R @ Head of Nav Channel	0.20	0.4	0.34	646	35	
Cuy R @ Head of Nav Channel	0.17	1.3	0.28	706	43	
Cuy R @ Clark Ave.	0.30	1.3	0.44	676	24	
<i>Cuy R @ Clark Ave.</i>	<i>0.25</i>	<i>1.5</i>	<i>0.22</i>	<i>708</i>	<i>34</i>	
Cuy R @ Clark Ave.	0.23	1.6	0.20	718	42	
Cuy R @ Clark Ave.	0.16	0.9	0.12	342	57	
Cuy R @ Clark Ave.	0.27	0.3	0.31	634	46	
Cuy R @ Clark Ave.	0.39	1.6	0.24	696	54	
Cuy R dst Turn Basin	0.38	1.3	0.38	682	20	
Cuy R dst Turn Basin	0.39	1.7	0.22	724	46	
Cuy R dst Turn Basin	0.31	0.9	0.63	394	80	
Cuy R dst Turn Basin	0.30	0.3	0.26			
Cuy R dst Turn Basin	0.52	1.5	0.28	708	33	
Cuy R @ W 3rd St	0.52	1.5	0.22	702	16	
Cuy R @ W 3rd St	0.62	1.7	0.39	728	28	
Cuy R @ W 3rd St	0.37	1.1	0.56	392	117	

Station	NH3-N	TKN	Total-P	TDS	TSS	FC Bacteria				
Cuy R @ W 3rd St	0.40	0.5	0.23	644	41					
Cuy R @ W 3rd St	0.61	1.7	0.24	684	53					
Cuy R dst Columbus Ave	0.53	1.4	0.21	690	52					
<i>Cuy R dst Columbus Ave</i>	<i>0.55</i>	<i>1.5</i>	<i>0.21</i>	<i>694</i>	<i>50</i>					
Cuy R dst Columbus Ave	0.71	1.7	0.20	710	22					
Cuy R dst Columbus Ave	0.43	1.3	0.17	358	50					
Cuy R dst Columbus Ave	0.51	0.5	0.15	608	24					
<i>Cuy R dst Columbus Ave</i>	<i>0.54</i>	<i>0.6</i>	<i>0.15</i>	<i>610</i>	<i>26</i>					
Cuy R dst Columbus Ave	0.78	1.7	0.19	610	34					
<i>Cuy R dst Columbus Ave</i>	<i>0.75</i>	<i>1.6</i>	<i>0.21</i>	<i>608</i>	<i>29</i>					
Furnace Run @ Riverview Rd	0.05	K	0.2	K	0.05	K	564	5	K	47
<i>Furnace Run @ Riverview Rd</i>	<i>0.05</i>	<i>K</i>	<i>0.2</i>		<i>0.05</i>	<i>K</i>	<i>548</i>	<i>5</i>	<i>K</i>	
Furnace Run @ Riverview Rd	0.05	K	0.2	K	0.13		552	745		8700
Furnace Run @ Riverview Rd	0.05	K	0.2	K	0.05	K	584	5	K	27
<i>Furnace Run @ Riverview Rd</i>	<i>0.05</i>	<i>K</i>	<i>0.2</i>	<i>K</i>	<i>0.05</i>	<i>K</i>	<i>592</i>	<i>5</i>	<i>K</i>	
Furnace Run @ Riverview Rd	0.05	K	0.4		0.1		582	5	K	30
Furnace Run @ Riverview Rd	0.05	K	0.2	K	0.05	K	578	5	K	26
Kingsbury Run near mouth	0.34		1.4		0.36		700	21		
Kingsbury Run near mouth	0.38		1.5		0.24		734	51		
Kingsbury Run near mouth	0.42		1.3		0.27		442	30		
Kingsbury Run near mouth	0.32		0.4		0.26		641	37		
Kingsbury Run near mouth	0.55		1.6		0.43		718	52		
Mill Cr adj SR 14	0.36		1.5		0.17		858	5	K	420
Mill Cr adj SR 14	0.27		0.2	K	0.05	K	586	58		18000
<i>Mill Cr adj SR 14</i>	<i>0.27</i>		<i>0.2</i>	<i>K</i>	<i>0.05</i>	<i>K</i>	<i>580</i>	<i>68</i>		
Mill Cr adj SR 14	0.2		0.8		0.07		810	5	K	300
Mill Cr adj SR 14	0.34		1		0.05	K	876	5	K	18000
Mill Cr adj SR 14	0.2		0.5		0.05		788	5	K	130
Mill Creek @ Canal Rd	0.88		1.9		0.05	K	1010	30		100
Mill Creek @ Canal Rd			0.2	K	0.11		634	130		10000
Mill Creek @ Canal Rd	0.8		1.8		0.05	K	1000	15		100
Mill Creek @ Canal Rd	0.8		1.7		0.6		1032	7		190
Mill Creek @ Canal Rd	0.71		1.2		0.05	K	1000	12		280
Morgan Run @ mouth	0.32		1.3		0.47		670	21		

Station	NH3-N	TKN	Total-P	TDS	TSS	FC Bacteria
Morgan Run @ mouth	0.22	1.4	0.84	692	31	
Morgan Run @ mouth	0.74	1.5	0.72	400	154	
Morgan Run @ mouth	0.30	0.2	0.31	638	48	
Morgan Run @ mouth	0.43	1.5	0.24	694	55	
Potter Crk @ Trares Rd	0.16	0.4	0.07	380	17	
Potter Crk @ Trares Rd	0.12		0.05 K	392	7	
Potter Crk @ Trares Rd	0.23	1.0	0.42	356	6	
Potter Crk @ Trares Rd	0.16	0.4	0.08	398	5	
<i>Potter Crk @ Trares Rd</i>	<i>0.17</i>	<i>0.4</i>	<i>0.06</i>	<i>408</i>	<i>5</i>	<i>K</i>
Potter Crk @ Trares Rd	0.23	0.4	0.11	364	6	
Sand Run @ Riverview Rd	0.05 K	0.2 K	0.05 K	534	8	130
Sand Run @ Riverview Rd	0.11		0.6	196	2140	39000
Sand Run @ Riverview Rd	0.06	0.2 K	0.05 K	528	7	100
Sand Run @ Riverview Rd	0.05 K	0.2 K	0.05 K	547	5 K	150
Sand Run @ Riverview Rd	0.05 K	0.2 K	0.05 K	528	5 K	76
Tinkers Creek @ Canal Rd	0.06	1.1	0.06	694	4 K	120
Tinkers Creek @ Canal Rd	0.10	0.2 K	0.09	554	52	830
Tinkers Creek @ Canal Rd	0.07	1.3	0.08	594	16	570
Tinkers Creek @ Canal Rd	0.05 K	0.9	0.12	610	5 K	280
Tinkers Creek @ Canal Rd	0.05 K	0.5	0.06	688	8	730
Wahoo Ditch @ Lakewood Rd	0.19	0.9	0.12	790	5 K	140
Wahoo Ditch @ Lakewood Rd	1.42	2.5	0.26	864	5 K	15
Wahoo Ditch @ Lakewood Rd	0.48	1.9	0.66	724	5 K	
Wahoo Ditch @ Lakewood Rd	0.06	0.4	0.18	844	5 K	180
Wahoo Ditch @ Lakewood Rd	2.54	3.5	0.31	794	5 K	
West Br Cuy R @ Rapids Rd	0.05 K	0.4	0.05 K	242	13	190
West Br Cuy R @ Rapids Rd	0.05 K	0.4	0.07	200	16	250
West Br Cuy R @ Rapids Rd	0.06	0.2 K	0.05 K	208	13	230
West Br Cuy R @ Rapids Rd	0.05 K	0.3	0.08	172	11	84
West Br Cuy R @ Rapids Rd	0.06	0.4	0.10	188	12	
Yellow Creek @ Riverview Rd	0.05 K	0.2 K	0.08	518	5 K	93
Yellow Creek @ Riverview Rd	0.05 K	0.2 K	0.05 K	474	120	2800
Yellow Creek @ Riverview Rd	0.06	0.2 K	0.05 K	506	5 K	50
Yellow Creek @ Riverview Rd	0.05 K	0.2 K	0.54	510	5 K	80
Yellow Creek @ Riverview Rd	0.05 K	0.2 K	0.05 K	534	5 K	58

Appendix A Table 2a. Sediment organics concentrations from the Cuyahoga River basin study area, 1996.

Sampling Site	Latitude	Longitude	River Mile	Acenaphthene	Anthracene	Benz(a)anthracene	Benzo(a)Pyrene	Benzo(b)Fluoranthene	Benzo(g, h, i)perylene	Benzo (b&k) Fluoranthene	bis (2-ethylhexyl) phthalate	Butyl benzyl phthalate
Cuyahoga River												
U.S. 422	41.386667	-81.1580556	80.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Winchel Road	41.340556	-81.1669444	75.8	<0.9	<0.9	<0.9	<0.9	<0.9	<0.9	<0.9	<0.9	<0.9
Route 303 (Shalersville)	41.2455	-81.28553	64.5	<0.7	<0.7	<0.7	<0.7	<0.7	<0.7	<0.7	<0.7	<0.7
Route 303 (Shalersville)	41.245277	-81.28553	64.3	<0.7	<0.7	<0.7	<0.7	<0.7	<0.7	<0.7	<0.7	<0.7
dst Lake Rockwell	41.180278	-81.3358333	57.7	<0.5	<0.5	0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Standing Rock	41.165	-81.3516667	55.2	<1	<1	<1	<1	<1	<1	<1	2.4	<1
Breakneck Creek												
Near Homestead Ave.	41.087582	-81.299942	14.55	<0.9	<0.9	<0.9	<0.9	<0.9	<0.9	<0.9	<0.9	<0.9
Tallmadge Road	41.099361	-81.272804	12.7	<0.9	<0.9	<0.9	<0.9	<0.9	<0.9	<0.9	<0.9	<0.9
Summit Road	41.142082	-81.272835	7	<0.7	<0.7	<0.7	<0.7	<0.7	<0.7	<0.7	<0.7	<0.7
Summit Road	41.139722	-81.2708333	7	<0.8	<0.8	<0.8	<0.8	<0.8	<0.8	<0.8	<0.8	<0.8
Near Mouth	41.166389	-81.3380556	0.4	<0.7	<0.7	<0.7	<0.7	<0.7	<0.7	<0.7	3.4	<0.7
Potter Creek												
Trares Road	41.049194	-81.304947	1.5	<0.9	<0.9	<0.9	<0.9	<0.9	<0.9	<0.9	<0.9	<0.9
Munroe Falls Dam Pool	41.142222	-81.4391667	50	<1.0	<1.0	1.3	1.4	1.9	1.3	1.1	3.3	<1
ust Ohio Edison	41.23333	-81.4002778	46.2	<0.6	<0.6	2.3	2.4	2.5	2.1	2.2	1.2	<0.6
Cuyahoga Street	41.116667	-81.5255556	42.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Little Cuyahoga River												
Martin Road	41.056499	-81.38269	12.7	<1	<1	<1	<1	<1	<1	<1	<1	<1
Union Oil Trib.												
Route 532	41.066944	-81.396614	1.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Ust Wingfoot LakeOut.	41.055305	-81.395943	11	<0.6	<0.6	<0.6	<0.6	<0.6	<0.6	<0.6	1.1	<0.6
Wingfoot Lake Outlet												
Waterloo Road	41.021973	-81.372139	3.1	<0.7	<0.7	<0.7	<0.7	<0.7	<0.7	<0.7	<0.7	<0.7
Mouth	41.05389	-81.399582	0.5	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Skelton Road	41.055833	-81.4230556	9.7	<0.7	<0.7	1	0.8	1.1	<0.7	0.7	1	<0.7
dst Route 91	41.064444	-81.4458333	8.5	<0.6	<0.6	1.5	1.2	1.5	0.8	1	11.9	<0.6
Massilon Road	41.060278	-81.4627778	7.3	6.2	9.9	13.5	8.1	7.2	3.6	7.8	3.8	<0.5
Springfield Lake Outlet												
Delaware Avenue	41.04089	-81.435143	2.9	<0.7	<0.7	2.6	2.9	3.1	2.5	2.9	1.5	<0.7
Seiberling Road	41.059361	-81.4728889	7.1	<0.5	<0.5	1.3	1.1	1.2	0.7	1	2.9	<0.5
Bank Street	41.073333	-81.4847222	5.1	<0.5	<0.5	<0.5	0.5	0.6	<0.5	<0.5	0.6	<0.5
ust Camp Brook	41.084694	-81.4865	4.2	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Camp Brook												
Eastwood Avenue	41.086056	-81.486862	0.1	<0.5	0.8	1.1	0.9	1.1	0.6	0.6	<0.5	<0.5
North Street	41.0875	-81.4908333	4.1	<0.5	<0.5	0.5	0.5	0.6	0.5	0.5	0.7	<0.5
Otto Street	41.094444	-81.5216667	1.8	<0.5	<0.5	0.6	0.6	0.7	0.5	0.6	<0.5	0.9
Police Firing Range	41.116667	-81.5281389	0.3	<0.5	<0.5	0.7	0.6	0.6	0.5	0.6	0.5	<0.5
Mouth	41.127224	-81.535583	0.1	<0.5	<0.5	1.5	1.5	1.6	1.4	1.4	0.9	<0.5
ust Akron WWTP	41.151611	-81.577393	38	<0.5	<0.5	1.6	1.8	1.8	1.4	1.9	3.1	<0.5
North Fork Yellow Creek												
Ust Robinwood Hills	41.161026	-81.638191	0.3	<0.6	<0.6	<0.6	<0.6	<0.6	<0.6	<0.6	<0.6	<0.6
Furnace Run												
Riverview Road	41.203888	-81.584251	0.9	<0.6	<0.6	<0.6	<0.6	<0.6	<0.6	<0.6	<0.6	<0.6
Route 303 (Peninsula)	41.24461	-81.550858	29	<0.5	<0.5	0.7	0.7	0.7	0.5	0.7	1.0	<0.5
Chippewa Creek												
Riverview Road	41.321529	-81.641304	3.45	<0.7	<0.7	<0.7	<0.7	<0.7	<0.7	<0.7	<0.7	<0.7
Tinkers Creek												
Herrick Nature Prsrv	41.215	-81.3736111	28.8	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Hudson Aurora R.	41.262028	-81.39492	25	<0.7	<0.7	<0.7	<0.7	<0.7	<0.7	<0.7	<0.7	<0.7
Pond Brook												
Glenwood Ave.	41.342304	-81.405975	4.5	<0.6	<0.6	<0.6	<0.6	<0.6	<0.6	<0.6	<0.6	<0.6
Mill Creek												
McCracken Road	41.423889	-81.584167	5.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Dst Old Bridge	41.441387	-81.616669	3.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Near Mouth	41.422943	-81.637169	0.4	0.6	0.8	2.7	2.7	3.0	1.7	1.8	0.7	<0.6
Big Creek												
Ford Br.												
Near Mouth	41.45322	-81.756447	0.1	<0.6	0.7	2.6	2.9	3.5	2.2	1.8	2.4	<0.6
Near Jennings	41.448277	-81.684196	0.1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Kingsbury Run												
At Mouth	41.481389	-81.6766667	0.1	<0.7	2.1	4.6	4.5	4.8	3.5	3.6	4.4	<0.7
Near Mouth	41.503056	-81.712219	0.0	<0.6	<0.6	1.2	1.3	1.5	1.2	1.3	2	<0.6

Appendix A Table 2b. Sediment organics concentrations from the Cuyahoga River basin study area, 1996.

Sampling Site	Chysene	Dibenz (a,h)An thracene	Dibenzo furan	1,4 Di chloro benzene	Fluor anthene	Fluorene	Indeno (1,2,3-cd) pyrene	3&4 methyl phenol	2-Methyl naphthalene	Naph thalene	Phenan threne	Phenol	Pyrene	4,4'- DDD
Cuyahoga River														
U.S. 422	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<5.2
Winchel Road	<0.9	<0.9	<0.9	<0.9	<0.9	<0.9	<0.9	<0.9	<0.9	<0.9	<0.9	<0.9	<0.9	<99
Route 303 (Shalersville)	<0.7	<0.7	<0.7	<0.7	<0.7	<0.7	<0.7	<0.7	<0.7	<0.7	<0.7	<0.7	<0.7	<7.4
Route 303 (Shalersville)	<0.7	<0.7	<0.7	<0.7	<0.7	<0.7	<0.7	<0.7	<0.7	<0.7	<0.7	<0.7	<0.7	<7.4
dst Lake Rockwell	0.6	<0.5	<0.5	<0.5	1.2	<0.5	<0.5	<0.5	<0.5	<0.5	0.8	0.25	1.3	<5.5
Standing Rock	<1	<1	<1	<1	1.4	<1	<1	<1	<1	<1	<1	<1	1.1	14
Breakneck Creek														
Near Homestead Ave.	<0.9	<0.9	<0.9	<0.9	<0.9	<0.9	<0.9	<0.9	<0.9	<0.9	<0.9	<0.9	<0.9	<9.3
Tallmadge Road	<0.9	<0.9	<0.9	<0.9	<0.9	<0.9	<0.9	<0.9	<0.9	<0.9	<0.9	<0.9	<0.9	<9.2
Summit Road	<0.7	<0.7	<0.7	<0.7	<0.7	<0.7	<0.7	<0.7	<0.7	<0.7	<0.7	<0.7	<0.7	<7.0
Summit Road	<0.8	<0.8	<0.8	<0.8	<0.8	<0.8	<0.8	<0.8	<0.8	<0.8	<0.8	<0.8	<0.8	<7.4
Near Mouth	<0.7	<0.7	<0.7	<0.7	1	<0.7	<0.7	<0.7	<0.7	<0.7	<0.7	<0.7	0.8	18
Potter Creek														
Trares Road	<0.9	<0.9	<0.9	<0.9	<0.9	<0.9	<0.9	<0.9	<0.9	<0.9	<0.9	<0.9	<0.9	<9.6
Munroe Falls Dam Pool	1.8	<1	<1	<1	3.3	<1	1.5	0.5	0.5	0.5	1.2	2.6	0.5	15
ust Ohio Edison	2.9	<0.6	<0.6	<0.6	6.3	<0.6	2.3	<0.6	<0.6	<0.6	3.7	<0.6	4.7	<6.1
Cuyahoga Street	<0.5	<0.5	<0.5	<0.5	0.25	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<5.2
Little Cuyahoga River														
Martin Road	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<10
Union Oil Trib.														
Route 532	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<5.2
Ust Wingfoot Lake Out.	<0.6	<0.6	<0.6	<0.6	<0.6	<0.6	<0.6	<0.6	<0.6	<0.6	<0.6	<0.6	<0.6	<5.4
Wingfoot Lake Outlet														
Waterloo Road	<0.7	<0.7	<0.7	<0.7	1.2	<0.7	<0.7	<0.7	<0.7	<0.7	0.9	0.35	0.9	<7.0
Mouth	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	11
Skelton Road	1.3	<0.7	<0.7	<0.7	2.7	<0.7	<0.7	<0.7	<0.7	<0.7	1.2	<0.7	2.1	<6.3
dst Rouse 91	1.9	<0.6	<0.6	<0.6	4.1	<0.6	0.9	<0.6	<0.6	<0.6	2.2	<0.6	3.2	<6.0
Massilon Road	12.9	1.6	4.9	0.25	36.1	8	4.1	1.4	1.4	1.4	40	1.4	27.1	<5.0
Springfield Lake Outlet														
Delaware Avenue	<0.7	0.9	<0.7	<0.7	7.2	<0.7	2.5	<0.7	<0.7	<0.7	3.9	<0.7	5.8	14
Seiberling Road	1.6	<0.5	<0.5	<0.5	3.6	<0.5	0.8	<0.5	<0.5	<0.5	2.3	<0.5	2.8	<4.9
Bank Street	0.7	<0.5	<0.5	<0.5	1.2	<0.5	0.5	<0.5	<0.5	<0.5	0.5	<0.5	1.1	<4.9
ust Camp Brook	0.25	<0.5	<0.5	<0.5	0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.5	<4.9
Camp Brook														
Eastwood Avenue	1.3	<0.5	<0.5	<0.5	3.2	<0.5	0.6	<0.5	<0.5	<0.5	2.8	<0.5	2.4	<4.7
North Street	0.7	<0.5	<0.5	<0.5	1.3	<0.5	0.5	<0.5	<0.5	<0.5	0.6	<0.5	1.1	<4.8
Otto Street	0.8	<0.5	<0.5	<0.5	1.9	<0.5	0.6	<0.5	<0.5	<0.5	1	<0.5	1.5	<4.7
Police Firing Range	0.7	<0.5	<0.5	<0.5	1.7	<0.5	0.6	<0.5	<0.5	<0.5	0.7	<0.5	1.4	<4.3
@ Mouth	2	<0.5	<0.5	<0.5	3.8	<0.5	1.4	<0.5	<0.5	<0.5	2	<0.5	2.9	<5.2
ust Akron WWTP	2.2	<0.5	<0.5	<0.5	4.2	<0.5	1.5	<0.5	<0.5	<0.5	2.2	<0.5	3.4	<5.7
North Fork Yellow Creek														
Ust Robinwood Hills	<0.6	<0.6	<0.6	<0.6	<0.6	<0.6	<0.6	<0.6	<0.6	<0.6	<0.6	<0.6	<0.6	<6.1
Furnace Run														
Riverview Road	<0.6	<0.6	<0.6	<0.6	0.9	<0.6	<0.6	<0.6	<0.6	<0.6	<0.6	<0.6	0.7	<5.6
Route 303 (Peninsula)	0.9	<0.5	<0.5	<0.5	1.8	<0.5	0.6	<0.5	<0.5	<0.5	1	<0.5	1.5	<5.7
Chippewa Creek														
Riverview Road	0.8	<0.7	<0.7	<0.7	1.4	0.35	<0.7	<0.7	<0.7	<0.7	0.7	<0.7	1.2	<7.0
Tinkers Creek														
Herrick Nature Preserve	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<10
Hudson Aurora Road	<0.7	<0.7	<0.7	<0.7	<0.7	<0.7	<0.7	<0.7	<0.7	<0.7	0.35	0.35	0.35	<6.7
Pond Brook														
Glenwood Avenue	<0.6	<0.6	<0.6	<0.6	<0.6	<0.6	<0.6	<0.6	<0.6	<0.6	0.3	0.3	0.3	<6.2
Mill Creek														
McCracken Road	<0.5	<0.5	<0.5	<0.5	0.9	<0.5	<0.5	<0.5	<0.5	0.25	0.5	0.25	0.7	5
Dst Old Bridge	<0.5	<0.5	<0.5	<0.5	1.2	<0.5	<0.5	<0.5	<0.5	0.25	0.8	0.25	1	<4.9
Near Mouth	3.1	<0.6	<0.6	<0.6	6.2	<0.6	1.9	2.6	<0.6	<0.6	4.7	0.3	4.8	7.4
Big Creek														
Ford Branch														
Near Mouth	3.5	0.6	<0.6	<0.6	7.4	<0.6	2.3	<0.6	<0.6	<0.6	4.2	0.3	5.6	7
Near Jennings	0.5	<0.5	<0.5	<0.5	1.1	<0.5	<0.5	<0.5	<0.5	0.25	0.6	0.25	0.9	2.65
Kingsbury Run														
At Mouth	5.6	1.3	0.9	0.7	12.7	1.7	3.7	<0.7	0.8	0.8	9.3	<0.7	9.5	42
Near Mouth	<0.6	<0.6	<0.6	<0.6	2.8	<0.6	<0.6	<0.6	<0.6	<0.6	<0.6	1.5	2.2	<6.7

Appendix A Table 2c. Sediment organics concentrations from the Cuyahoga River basin study area, 1996.

Sampling Site	4,4'-DDE	4,4'-DDT	Dieldrin	Methoxy chlor	PCB-1242	PCB-1248	PCB-1256	PCB-1260	TOC	TKN	Total P	NH3	Sum of PAH
Cuyahoga River													
U.S. 422	<5.2	<5.2	<5.2	<5.2	<26	<26	<26	<26	0.031				
Winchel Road	<9.9	<9.9	<9.9	<9.9	<45	<45	<45	<45	0.05 0				
Route 303 (Shalersville)	<7.4	<7.4	<7.4	<7.4	<37	<37	<37	<37					0
Route 303 (Shalersville)	<7.4	<7.4	<7.4	<7.4	<37	<37	<37	<37	0.0167139	2100.6	743.5	20.7	0
dst Lake Rockwell	<5.5	<5.5	<5.5	<5.5	<28	160	<28	340	0.094				4.75
Standing Rock	19	<5.0	25	25	<50	<50	<50	<50	0.08				4.9
Breakneck Creek													
Near Homestead Ave.	<9.3	<9.3	<9.3	<9.3	<46	<46	<46	<46	0.0453292	3232.3	1237	30.2	0
Tallmadge Road	<9.2	<9.2	<9.2	<9.2	<46	<46	<46	<46	0.0086438	1363.6	341.6	11.1	0
Summit Road	<7.0	<7.0	<7.0	<7.0	<35	<35	<35	<35	0.0258607	2312.3	589.8	10.8	0
Summit Rd	<7.4	<7.4	<7.4	<7.4	<37	<37	<37	<37	0.0261205	2149.1	764.9	6	0
Near Mouth	<6.8	<6.8	<6.8	<6.8	<34	<34	<34	<34	0.039				5.2
Potter Creek													
Trares Road	<9.6	<9.6	<9.6	<9.6	<48	<48	<48	<48	0.045794	4249.6	1338	48.8	0
							0.058			0			
Munroe Falls Dam Pool	<10	<10	<10	<10	<50	<50	<50	<50	0.045				22.7
ust Ohio Edison	<6.1	9.2	8.6	12	<30	<30	<30	<30	0.068				32.6
Cuyahoga Street	<5.2	<5.2	<5.2	<5.2	<46	<46	<46	<46	0.004503	683.9	307.8	2	0.25
Little Cuyahoga River													
Martin Road	<10	<10	<10	<10	<50	<50	<50	<50	0.056823	6773	998.2	284.5	0
Union Oil Trib.													
Route 532	<5.2	<5.2	<5.2	2.6	<26	<26	<26	<26	0.0043258	564	211.6	12.2	0
Ust Wingfoot Lake Out	<5.4	<5.4	<5.4	7.2	<62	310	<62	<62	0.002756	994.2	397.8	26.6	1.1
Wingfoot Lake Outlet													
Waterloo Road	<7.0	<7.0	<7.0	9.8	<26	81	48	19	0.0396518	3912.4	838.6	20.8	3.35
Skelton Road	<6.3	9.5	9.5	<6.3	<32	<32	<32	<32					11.9
dst Route 91	<6.0	9	<6.0	9.9	<30	<30	<30	<30					30.2
Massilon Road	<5.0	74	<5.0	14	<25	<25	<25	<25					200.7
Springfield Lake Outlet													
Delaware Avenue	<6.8	<6.8	<6.8	18	<34	66	<34	110	0.20554	2722.7	719.3	6.4	35.8
Mouth	13	<9.6	<9.6	27	<48	<48	<48	<48	0.0345093	5187.8	877.9	33.2	0
Seiberling Road	<4.9	7.5	<4.9	6.3	<25	<25	<25	<25					19.3
Bank Street	<4.9	7.5	<4.9	13	<26	290	<26	50					5.7
ust Camp Brook	<4.9	7.5	<4.9	<4.9	<26	94	<26	39					1.35
Camp Brook													
Eastwood Avenue	<4.7	<4.7	<4.7	<4.7	<24	<24	<24	370	0.0006361	114.7	102.2	10.3	15.4
North Street	<4.8	7.5	<4.8	7.6	<26	96	<26	430					7.5
Otto Street	<4.7	7.5	<4.7	14	<26	80	<26	400					9.7
Police Firing Range	<4.3	7.5	<4.3	9	<26	46	<26	110	0.0027385	401.5	286.7	24.3	8.6
Mouth	<5.2	<5.2	<5.2	<5.2	<28	<28	<28	<28					20.4
ust Akron WVvTP	<5.7	<5.7	<5.7	<5.7	<28	<28	360	340					25.1
North Fork Yellow Creek													
Ust Robinwood Hills	<6.1	<6.1	<6.1	<6.1	<31	<31	<31	<81	0.013351	1053	594.7	20.8	0
Furnace Run													
Riverview Road	<5.6	<5.6	<5.6	<5.6	<26	<26	<26	<26	0.0100108	935.7	447.6	27.3	1.6
Route 303 (Peninsula)	21	26	<5.7	7.1	<28	<28	<28	96	0.0039355	715.3	445.5	38.9	10.1
Chippewa Creek													
Riverview Road	<7.0	<7.0	<7.0	<7.0	<39.8	<39.8	<39.8	<39.8	0.0014588	2282.2	436.6	35.3	4.45
Tinkers Creek													
Herrick Nature Prsrv	<10	<10	<10	<10	<51	<51	<51	<51	0.0583456	4378.1	1210	36.1	0
Hudson Aurora Road	<6.7	<6.7	<6.7	<6.7	<33	<33	<33	<33	0.0040632	852.6	508.4	26.9	1.05
Pond Brook													
Glenwood Avenue	<6.2	<6.2	<6.2	<6.2	<31	<31	<31	<31	0.0043615	814	198.8	11	0.9
Mill Creek													
McCracken Road	<4.6	<4.6	<4.6	<4.6	800	<46	<46	<46	0.0007348	216.6	201	8.4	2.6
Dst Old Bridge	9.2	<4.9	<4.9	6.9	550	<24	<24	73	0.0008111	174.4	123.8	5.7	3.5
Near Mouth	<4.9	<4.9	<4.9	20	470	<30	<30	95	0.0027854	985	331.7	46.3	37.6
Big Creek													
Ford Branch													
Near Mouth	<4.7	<4.7	20	48	<28	110	<28	250	0.0036702	700.5	515.2	45.8	40
Near Jennings	<5.3	<5.3	<5.3	<5.3	<26	97	<26	45	0.007058				3.6
Kingsbury Run													
At Mouth	47	56	<6.2	<6.2	<31	<31	<31	210	0.033				74.5
Near Mouth	<6.7	<6.7	<6.7	<6.7	<34	210	<34	100	0.016588	1888.3	961.9	110	15

Appendix A Table 3. Results of chemical/physical field parameters in Long Lake, 1998 at south end of lake, Station L-1. Depth profile data at north end Station L-2 not recorded due to shallow depth except for the October sample.

Date	Depth (m)	Temp. (C)	D.O. (mg/l)	pH (su)	Conductivity (mumho)
Staion L-1 (South End of Lake)					
11-May-1998	0.5	18.3	13.2	8.7	447
	1.0	18.3	13.2	8.3	447
	2.0	18.2	13.2	8.7	448
	3.0	18.1	12.1	8.6	448
	4.0	14.3	4.6	8.1	438
	5.0	13.8	2.5	7.8	433
	6.0	12.6	0.7	7.6	436
	7.0	11.7	0.3	7.5	449
	8.0	11.4	0.3	7.5	456
	9.0	11.1	0.2	7.5	462
	10.0	10.8	0.2	7.5	468
Water color - NEFCO Color Scale = 7, Secchi Depth = 82 cm					
24-June-1998	0.5	26.1	9.0	8.3	599
	1.0	25.8	7.9	8.1	599
	2.0	24.9	4.8	7.8	590
	3.0	23.5	1.5	7.6	581
	4.0	21.0	0.3	7.5	562
	5.0	15.1	0.3	7.4	500
	6.0	13.2	0.3	7.5	479
	7.0	12.1	0.3	7.5	472
	8.0	11.3	0.3	7.4	469
	9.0	11.1	0.2	7.3	468
Water color - NEFCO Color Scale = 6, Secchi Depth = 65 cm					
23-July-1998	0.5	26.3	9.6	8.3	560
	1.0	26.2	8.7	8.3	561
	2.0	26.1	7.5	8.2	559
	3.0	25.7	4.8	8.0	561

Appendix A Table 3. continued.

Date	Depth (m)	Temp. (C)	D.O. (mg/l)	pH (su)	Cond.(umho)
Station L-1 (South End of Lake) continued					
23-July-1998	4.0	25.2	2.5	7.8	559
	5.0	22.6	0.4	7.6	553
	6.0	15.8	0.4	7.5	520
	7.0	14.1	0.3	7.5	499
	8.0	13.0	0.3	7.4	489
	9.0	12.1	0.2	7.4	482
	10.0	11.8	0.2	7.3	480
Water color- NEFCO Color Scale = 2, Secchi Depth = 64 cm					
19-August-1998	0.5	25.0	7.6	8.1	563
	1.0	25.0	7.3	8.1	563
	2.0	24.9	6.3	8.0	563
	3.0	24.8	6.0	7.9	563
	4.0	24.2	2.2	7.6	564
	5.0	20.3	0.3	7.5	551
	6.0	15.5	0.3	7.4	524
	7.0	13.5	0.2	7.3	505
	8.0	12.5	0.2	7.2	491
	9.0	12.1	0.14	7.1	492
	10.0	11.8	0.12	7.1	494
Water color- NEFCO Color Scale = 7, Secchi Depth = 69 cm					
(No profile samples collected at Station L-1 due to excessive winds and elevated waves. The following profile data were collected at Station L-2, the north end of the lake.)					
01-October-1998	0.5	20.1	6.1	8.8	475
	1.0	20.1	6.0	8.6	476
	2.0	20.1	5.6	8.4	476
	3.0	20.0	4.2	8.3	477
	4.0	19.7	1.3	8.1	478
	5.0	19.8	0.3	8.0	478
Water color- NEFCO Color Scale = 7, Secchi Depth = 68.5 c					

Appendix A Table 4. Phytoplankton species composition of net plankton samples from Long Lake, 1998.

Long Lake, Summit County

Water Body ID: OH10 33-358

Ecoregion: EOLP

Sampling Date	11 May	24 June	23 July	19 August	1 October
Chlorophyll <i>a</i> (µg/l)	36.4	26.2	43.4	31.5	29.1
Total Phytoplankton Abundance	High	High	High	High	High
Abundance Estimate (cells/ml)	1632	1011	2877	1402	241
Phylogenetic Division¹ (Common Name)					
Cyanobacteria (Blue-green Algae)	Dominant	Common	Dominant	Dominant	Dominant
Number of Species	3	3	8	7	8
Chlorophyta (Green Algae)	Rare	Dominant	Common	Common	Common
Number of Species	6	5	9	8	3
Chrysophyta (Yellow-green/Yellow-brown Algae)					
Chrysophyceae (Yellow-brown)	Rare	Rare	Common	Rare	Absent
Number of Species	3	1	3	1	0
Bacillariophyceae (Diatoms)	Abundant	Rare	Common	Common	Abundant
Number of Species	9	1	5	5	4
Pyrrophyta (Dinoflagellates)	Rare	Common	Rare	Common	Rare
Number of Species	1	2	2	2	2
Euglenophyta (Euglenoids)	Absent	Rare	Rare	Rare	Rare
Number of Species	0	1	2	1	1
Cryptophyta (Cryptophytes)	Rare	Rare	Rare	Rare	Absent
Number of Species	1	1	1	1	0
Unidentified	Rare	Rare	Common	Rare	Common
Total Number of Species	23	14	30	25	18

Sampling Date	11 May	24 June	23 July	19 August	1 October
Phylogenetic Division¹ (Common Name) / Species					
Cyanobacteria (Blue-Green Algae)					
<i>Anabaena flosaquae</i>			+++	++	+++
Cyanobacteria (Blue-Green Algae) continued					
<i>Anabaena planktonica</i>			++	++	O
<i>Aphanocapsa delicatissima</i>		O	O		
<i>Aphanizomenon flosaquae</i>	O				
<i>Lyngbia contorta</i>			O	O	+
<i>Lyngbia limnetica</i>		O	++	+++	++
<i>Oscillatoria anghardii</i>	O			++	+
<i>Oscillatoria angusta</i>	+++	+	++	++	++
<i>Merismopedia tenuissima</i>			O		+
<i>Raphidiopsis curvata</i>			O	+	+
Chlorophyta (Green Algae)					
<i>Ankistrodesmus falcatus</i>	+		O	+	+
<i>Chlamydomonas sp.</i>			O		
<i>Closterium sp.</i>					+
<i>Dictyosphaerium pulchellum</i>			O		
<i>Elakotothrix gelatinosa</i>	O			O	
<i>Eudorina elegans</i>		+++	O	O	
<i>Pediastrum duplex</i>	O				
<i>Mougoetia sp.</i>		++	+	+	O
<i>Nephrocytium aghardianum</i>			+		
<i>Oocystis parva</i>		O		O	

Sampling Date	11 May	24 June	23 July	19 August	1 October
<i>Scenedesmus abundans</i>	O				
<i>Scenedesmus quadricauda</i>		O	O	O	
<i>Schroederia setigera</i>	O			O	
<i>Sphaerocystis schroederti</i>		+++	+	O	
<i>Staurastrum sp.</i>			O		
<i>Tetraedon sp.</i>	O				
Chrysophyta (Yellow-green/Yellow-brown Algae)					
Chrysophyceae (Yellow-brown Algae)					
<i>Chrysochromulina parva</i>		O	+	O	
<i>Dinobryon cylindricum</i>			+		
<i>Dinobryon sociale</i>	O				
<i>Mallomonas acaroides</i>			O		
<i>Mallomonas akrokomos</i>	+				
<i>Synura uvella</i>	O				
Bacillariophyceae (Diatoms)					
<i>Asterionella formosa</i>	+++				
<i>Aulacoseira (Melosira) granulata</i>	+		O	O	
<i>Cyclotella glomerata</i>			+	O	O
<i>Diatoma anceps</i>	O				
<i>Fragillaria crotonensus</i>	O				
<i>Fragillaria capucina</i>					
<i>Melosira varians</i>	O				
<i>Navicula sp.</i>	O				
<i>Nitzschia sp.</i>	O				
<i>Rhizolenia eriensis</i>			O		

Sampling Date	11 May	24 June	23 July	19 August	1 October
<i>Synedra actinastroides</i>			++	+	++
<i>Synedra acus</i>	++	+	+	+	+
<i>Synedra spp.</i>	+			O	++
Pyrrophyta (Dinoflagellates)					
<i>Ceratium hirundinella</i>	O	++	O	O	O
<i>Glenodinium quadridens?</i>		O	O	+	O
Eulenophyta (Euglenoids)					
<i>Euglena sp.</i>			O (2 spp.)		O
<i>Phacus longicauda.</i>		+			
Eulenophyta (Euglenoids) continued					
<i>Trachelomonas sp.</i>				O	
Cryptophyta (Cryptophytes)					
<i>Cryptomonas ovata</i>	+	+			
<i>Cryptomonas sp.</i>			O	O	
Unidentified					
Unidentified Flagellates	O	O	++	O	+

¹ Phylum or Sub-phylum

APPENDIX B

Physical Habitat Data

Appendix Table . Qualitative Habitat Evaluation Index (QHEI) matrix showing modified and warmwater habitat characteristics for fish sampling sites in the Cuyahoga River basin study area, 1996.

River Mile	QHEI	Gradient (ft/mile)	WWH Attributes					MWH Attributes					Total M.I. MWH Attributes	(MWH+1)/(WWH+1) Ratio	(MWH M.I.+1)/(WWH+1) Ratio																			
			High Influence					Moderate Influence																										
			<div style="border: 1px solid black; padding: 5px; display: inline-block;"> Key QHEI Components </div>																															
			No Channelization or Recreated	Excellent/Good Substrates	Good/Excellent Substrates	Moderate/High Sinuosity	Extensive/Moderate Cover	Fast Current/Eddies	Low-Normal/Overal	Emtecececece	Max Depth > 40 cm	Low-Normal/High Emtecececece	Total WWH Attributes	Channelized or No Recovery	Silt/Muck Substrates	No Sinuosity	Sparsely/No Cover	Max Depth < 40 cm (M.D., F.W)	Total H.I. MWH Attributes	Recovering Channel	Heavy/Moderate Silt Cover	Sand Substrates (Local)	High/Low Substrate Origin	Fair/Poor Development	Low Sinuosity	Only 1-2 Cover Types	Irregular/and Poor Focals	No Fast Current	High/Mcc. Overall Emtecececece	High/Mcc. Fittle Emtecececece	No Fittle	Total M.I. MWH Attributes		
(19-072) Sand Run			5	2	4	4	5	2	4	0.50	1.17																							
Year: 96	0.4	59.0	83.33	■ ■	■ ■	■ ■	■ ■	■ ■	■ ■	■ ■	■ ■	5	● ●	● ●	● ●	● ●	● ●	2	◆ ◆	◆ ◆	◆ ◆	◆ ◆	◆ ◆	◆ ◆	◆ ◆	◆ ◆	◆ ◆	◆ ◆	◆ ◆	◆ ◆	◆ ◆	4	0.50	1.17

APPENDIX C

Fish Sampling Data

Appendix Table . IBI metric scores from fish sampling sites in the Cuyahoga River basin study area, 1996.

River Mile	Type	Date	Drainage area (sq mi)	Number of						Percent of Individuals					Rel.No. minus tolerants /(0.3km)	IBI
				Total species	Minnow species	Headwater species	Sensitive species	Darter & Sculpin species	Simple Lithophils	Tolerant fishes	Omni-vores	Pioneering fishes	Insect-ivores	DELT anomalies		
Cuyahoga River - (19-001)																
Year: 1996																
90.90	D	07/31/1996	18.6	15(3)	4(3)	0(1)	1(1)	2(1)	4(3)	46(3)	27(3)	17(5)	51(5)	0.6(3)	134(1)	32
Big Creek - (19-005)																
Year: 1996																
7.80	E	08/05/1996	10.9	7(1)	5(3)	1(1)	0(1)	0(1)	2(1)	44(3)	4(5)	31(3)	0(1)	0.0(5)	610(3)	28
Mill Creek - (19-006)																
Year: 1996																
4.30	E	07/25/1996	11.0	3(1)	3(1)	1(1)	0(1)	0(1)	1(1)	100(1)	6(5)	92(1)	0(1)	0.0(5)	0(1)*	20
0.20	E	07/25/1996	18.1	7(1)	5(3)	0(1)	2(1)	0(1)	3(1)	66(1)	49(1)	36(3)	5(1)	1.0(5)	54(1)*	20
Chippewa Creek - (19-009)																
Year: 1996																
6.10	E	08/05/1996	6.3	7(3)	3(3)	1(1)	0(1)	0(1)	2(1)	46(3)	2(5)	14(5)	2(1)	0.0(5)	780(5)	34
3.80	E	08/05/1996	9.3	6(1)	3(1)	1(1)	0(1)	0(1)	2(1)	92(1)	2(5)	80(1)	8(1)	0.0(5)	45(1)	20
0.30	E	08/26/1996	16.3	18(5)	7(5)	2(3)	2(1)	3(3)	5(3)	27(5)	12(5)	20(5)	38(3)	0.3(3)	1695(5)	46
Brandywine Creek - (19-010)																
Year: 1996																
7.00	D	08/02/1996	9.0	12(3)	4(3)	1(1)	0(1)	0(1)	2(1)	52(3)	17(3)	29(5)	31(3)	0.0(5)	106(1)	30
Furnace Run - (19-020)																
Year: 1996																
0.90	E	07/10/1996	19.8	17(5)	7(5)	3(3)	4(3)	3(3)	6(3)	29(5)	2(5)	15(5)	27(3)	0.0(5)	495(3)	48
Breakneck Creek - (19-028)																
Year: 1996																

▲ - IBI is low end adjusted.

* - < 200 Total individuals in sample

** - < 50 Total individuals in sample

● - One or more species excluded from IBI calculation.

Appendix Table . IBI metric scores from fish sampling sites in the Cuyahoga River basin study area, 1996.

River Mile	Type	Date	Drainage area (sq mi)	Number of						Percent of Individuals					Rel.No. minus tolerants /(0.3km)	IBI
				Total species	Minnow species	Headwater species	Sensitive species	Darter & Sculpin species	Simple Lithophils	Tolerant fishes	Omni-vores	Pioneering fishes	Insect-ivores	DELT anomalies		
9.50	D	08/01/1996	16.3	19(5)	4(3)	1(1)	4(3)	5(5)	6(3)	29(5)	14(5)	18(5)	66(5)	0.3(3)	374(3)	46
6.80	D	08/01/1996	17.9	13(3)	1(1)	1(1)	2(1)	2(1)	2(1)	16(5)	4(5)	7(5)	32(3)	1.8(3)	72(1)*	30
5.20	D	08/01/1996	18.7	14(3)	3(1)	1(1)	6(3)	4(3)	4(3)	1(5)	0(5)	4(5)	86(5)	0.7(5)	213(3)	42
5.20	D	10/09/1996	18.7	10(3)	2(1)	1(1)	3(1)	5(5)	5(3)	9(5)	8(5)	5(5)	89(5)	1.2(3)	116(1)*	38
Potter Creek - (19-029)																
Year: 1996																
1.50	E	07/11/1996	3.2	11(5)	3(3)	1(1)	0(1)	1(1)	1(1)	84(1)	75(1)	88(1)	20(3)	0.0(5)	56(1)	24
Black Brook - (19-033)																
Year: 1996																
1.80	D	08/01/1996	12.5	15(3)	3(1)	1(1)	4(3)	4(3)	6(3)	52(3)	21(3)	16(5)	60(5)	0.0(5)	84(1)*	36
Bridge Creek - (19-035)																
Year: 1996																
11.20	D	08/01/1996	4.8	9(3)	1(1)	0(1)	0(1)	1(1)	1(1)	52(3)	6(5)	23(5)	34(3)	0.9(3)	106(1)	28
8.50	D	08/01/1996	14.0	19(5)	5(3)	2(3)	5(3)	5(5)	7(5)	18(5)	7(5)	14(5)	15(1)	0.0(5)	908(5)	50
Sand Run - (19-072)																
Year: 1996																
0.40	E	07/10/1996	3.1	5(1)	3(3)	1(1)	0(1)	1(1)	1(1)	97(1)	0(5)	23(5)	1(1)	0.0(5)	8(1)	26

▲ - IBI is low end adjusted.

* - < 200 Total individuals in sample

** - < 50 Total individuals in sample

● - One or more species excluded from IBI calculation.

Appendix Table . IBI metric scores from fish sampling sites in the Cuyahoga River basin study area, 1996.

River Mile	Type	Date	Drainage area (sq mi)	Number of					Percent of Individuals					Rel.No. minus tolerants /(0.3km)	IBI	Modified Iwb		
				Total species	Sunfish species	Sucker species	Intolerant species	Darter species	Simple Lithophils	Tolerant fishes	Omni-vores	Top carnivores	Insect-ivores				DELT anomalies	
Cuyahoga River - (19001)																		
Year: 1996																		
75.80	D	07/15/1996	151	14(3)	4(5)	2(1)	0(1)	2(1)	40(5)	35(3)	13(5)	15.7(5)	71(5)	0.0(5)	81(1)	*	40	7.4
75.80	D	08/14/1996	151	15(3)	3(3)	3(3)	0(1)	3(3)	58(5)	25(3)	22(3)	14.0(5)	64(5)	2.4(1)	153(1)		36	7.8
64.50	D	07/15/1996	177	17(3)	3(3)	2(1)	1(1)	4(3)	51(5)	6(5)	4(5)	13.5(5)	78(5)	0.0(5)	156(1)	*	42	7.6
64.50	D	08/14/1996	177	14(3)	1(1)	2(1)	1(1)	3(3)	41(5)	5(5)	3(5)	11.8(5)	83(5)	1.8(1)	158(1)	*	36	7.3
57.50	D	07/15/1996	208	14(3)	5(5)	2(1)	0(1)	3(3)	38(5)	41(1)	1(5)	13.7(5)	82(5)	1.4(3)	65(1)	*	38	6.8
57.50	D	08/14/1996	208	8(1)	3(3)	0(1)	0(1)	1(1)	20(3)	46(1)	0(5)	22.9(5)	71(5)	2.9(5)	29(1)	*	32	4.4
56.00	D	07/16/1996	291	12(3)	5(5)	1(1)	0(1)	1(1)	16(1)	31(3)	7(5)	29.3(5)	55(5)	0.0(5)	60(1)	*	36	6.9
56.00	D	08/14/1996	291	12(3)	4(5)	0(1)	0(1)	2(1)	7(1)	24(3)	0(5)	23.9(5)	57(5)	4.3(3)	53(1)	*	34	6.5
44.00	E	08/27/1996	337	12(3)	0(1)	2(1)	0(1)	3(1)	48(5)	15(5)	11(5)	6.9(5)	54(3)	0.0(5)	222(3)		38	7.5
44.00	D	07/23/1996	337	14(3)	1(1)	2(1)	0(1)	2(1)	15(1)	4(5)	4(5)	1.2(3)	15(1)	0.0(5)	1484(5)		32	7.7
42.80	D	07/30/1996	340	15(3)	1(1)	2(1)	0(1)	4(3)	37(5)	4(5)	3(5)	0.3(1)	37(3)	0.0(5)	1682(5)		38	7.4
42.80	D	08/27/1996	340	13(3)	1(1)	2(1)	0(1)	4(3)	68(5)	7(5)	3(5)	0.5(1)	69(5)	0.0(5)	300(3)		38	6.3
0.50	P	09/25/1996	809	5(0)	0(0)	0(0)	0(0)	0(0)	89(0)	1(0)	10(0)	1.4(0)	89(0)	0.0(0)	586(0)		0	4.3
Big Creek - (19005)																		
Year: 1996																		
3.10	E	08/08/1996	35	7(1)	0(1)	1(1)	0(1)	0(1)	1(1)	13(5)	3(5)	0.0(1)	0(1)	0.0(5)	701(3)		26	5.1
0.20	E	07/25/1996	38	7(1)	2(3)	1(1)	0(1)	0(1)	3(1)	10(5)	5(5)	0.3(1)	3(1)	0.0(5)	733(3)		28	5.4
Tinkers Creek - (19007)																		
Year: 1996																		
0.20	D	08/05/1996	96	15(3)	1(1)	3(3)	0(1)	2(1)	28(3)	33(3)	23(3)	0.9(1)	32(3)	4.3(1)	116(1)	*	24	7.0
Yellow Creek - (19021)																		

na - Qualitative data, Modified Iwb not applicable.

▲ - IBI is low end adjusted.

* - < 200 Total individuals in sample

** - < 50 Total individuals in sample

● - One or more species excluded from IBI calculation.

Appendix Table . IBI metric scores from fish sampling sites in the Cuyahoga River basin study area, 1996.

River Mile	Type	Date	Drainage area (sq mi)	Number of					Percent of Individuals					Rel.No. minus tolerants /(0.3km)	IBI	Modified Iwb	
				Total species	Sunfish species	Sucker species	Intolerant species	Darter species	Simple Lithophils	Tolerant fishes	Omni-vores	Top carnivores	Insect-ivores				DELT anomalies
Year: 1996																	
1.50	E	07/10/1996	29	14(3)	1(1)	2(3)	2(3)	4(3)	24(3)	17(5)	5(5)	0.0(1)	23(1)	0.0(5)	1172(5)	38	7.9
Mud Brook - (19024)																	
Year: 1996																	
0.30	E	08/12/1996	30	17(3)	3(3)	2(3)	2(3)	2(3)	35(3)	41(3)	11(5)	0.3(1)	25(1)	0.0(5)	480(3)	36	8.0
Breakneck Creek - (19028)																	
Year: 1996																	
3.10	D	08/01/1996	22	14(3)	3(3)	2(3)	0(1)	4(5)	29(3)	39(3)	14(5)	32.7(5)	51(3)	0.0(5)	45(1) *	40	5.4
3.10	D	10/09/1996	22	10(3)	2(3)	2(3)	0(1)	3(3)	18(3)	65(1)	1(5)	7.0(5)	90(5)	1.4(3)	38(1) *	36	4.7
1.70	D	08/01/1996	22	8(1)	2(3)	1(1)	0(1)	2(3)	31(1)	66(1)	28(1)	28.1(1)	44(1)	3.1(1)	17(1) **	16	5.0
1.70	D	10/09/1996	22	6(1)	2(3)	1(1)	0(1)	1(1)	13(1)	45(1)	0(1)	41.9(1)	58(1)	0.0(1)	26(1) **	14	4.3
0.20	D	08/02/1996	79	15(3)	2(3)	2(3)	2(1)	4(3)	36(3)	8(5)	3(5)	28.8(5)	62(5)	0.0(5)	101(1) *	42	7.4
0.20	D	10/09/1996	79	15(3)	2(3)	2(3)	1(1)	5(5)	61(5)	16(5)	9(5)	12.6(5)	78(5)	0.0(5)	110(1) *	46	6.9
Bridge Creek - (19035)																	
Year: 1996																	
0.50	E	08/08/1996	37	11(3)	3(3)	1(1)	0(1)	2(1)	18(1)	45(3)	34(3)	3.6(3)	61(5)	0.0(5)	62(1) *	30	5.9
West Branch Cuyahoga - (19036)																	
Year: 1996																	
0.90	D	08/02/1996	35	17(3)	2(3)	3(3)	1(1)	5(5)	76(5)	7(5)	5(5)	9.4(5)	85(5)	0.0(5)	458(3)	48	7.0

na - Qualitative data, Modified Iwb not applicable.

▲ - IBI is low end adjusted.

* - < 200 Total individuals in sample

** - < 50 Total individuals in sample

● - One or more species excluded from IBI calculation.

Appendix Table . IBI metric scores from fish sampling sites in the Cuyahoga River basin study area, 1996.

River Mile	Type	Date	Drainage area (sq mi)	Number of				Percent of Individuals							Rel.No. minus tolerants /(1.0 km)	Modified IBI	lwb
				Total species	Sunfish species	Sucker species	Intolerant species	Rnd-bodied suckers	Simple Lithophils	Tolerant fishes	Omni-vores	Top carnivores	Insect-ivores	DELT anomalies			
Cuyahoga River - (19-001)																	
Year: 1996																	
87.20	A	07/31/1996	38	10(3)	2(3)	2(1)	0(1)	28(3)	77(5)	51(1)	47(1)	5(1)	46(3)	0.0(5)	80(1) *	28	6.4
87.20	A	08/26/1996	38	15(3)	4(5)	2(1)	0(1)	16(1)	61(5)	60(1)	46(1)	6(3)	48(3)	1.5(5)	54(1) *	30	6.3
83.80	A	07/31/1996	77	15(3)	3(3)	5(3)	0(1)	14(1)	60(5)	39(1)	37(1)	4(1)	58(5)	2.5(3)	198(1)	28	7.6
83.80	A	08/24/1996	77	16(3)	5(5)	3(3)	0(1)	23(3)	63(5)	38(1)	38(1)	4(1)	56(5)	4.6(1)	140(1)	30	7.7
80.50	A	07/17/1996	123	10(3)	2(3)	2(1)	0(1)	47(5)	67(5)	18(3)	14(5)	16(5)	67(5)	2.0(5)	80(1) *	42	6.5
80.50	A	08/26/1996	123	15(3)	2(3)	3(3)	0(1)	38(5)	59(5)	22(3)	19(3)	20(5)	59(5)	5.6(1)	154(1) *	38	7.5
71.70	A	07/17/1996	157	15(3)	3(3)	3(3)	2(3)	37(3)	55(5)	15(3)	14(5)	24(5)	60(5)	1.5(3)	222(3)	44	8.5
71.70	A	08/26/1996	157	14(3)	1(1)	4(3)	2(3)	25(3)	58(5)	16(3)	15(5)	22(5)	63(5)	0.0(5)	290(3)	44	8.7
65.10	A	08/01/1996	174	18(3)	4(5)	4(3)	1(1)	58(5)	68(5)	10(5)	8(5)	11(5)	76(5)	3.3(1)	213(3)	46	7.7
65.10	A	08/27/1996	174	15(3)	3(3)	4(3)	0(1)	45(5)	59(5)	9(5)	9(5)	22(5)	65(5)	0.0(5)	200(3)	48	8.5
54.20	A	07/16/1996	293	17(3)	5(5)	3(3)	1(1)	19(3)	57(5)	44(1)	43(1)	5(1)	34(3)	6.3(1)	136(1)	28	7.5
54.20	A	08/15/1996	293	15(3)	6(5)	3(3)	0(1)	13(1)	44(3)	42(1)	41(1)	11(5)	36(3)	8.2(1)	154(1)	28	7.6
53.40	A	07/16/1996	307	13(3)	5(5)	2(1)	0(1)	1(1)	6(1)	18(3)	14(5)	20(5)	46(3)	2.7(3)	184(1)	32	6.7
53.40	A	08/15/1996	307	13(3)	4(5)	2(1)	0(1)	1(1)	13(1)	26(3)	23(3)	13(5)	46(3)	2.4(3)	122(1) *	30	6.7
52.00	A	07/23/1996	309	14(3)	6(5)	1(1)	0(1)	0(1)	5(1)	16(3)	14(5)	36(5)	41(3)	4.5(1)	184(1)	30	7.3
52.00	A	08/15/1996	309	12(3)	5(5)	2(1)	0(1)	3(1)	7(1)	15(3)	14(5)	29(5)	45(3)	3.6(1)	188(1)	30	7.6
51.00	A	07/16/1996	322	10(3)	5(5)	1(1)	0(1)	0(1)	10(1)	24(3)	21(3)	15(5)	52(3)	11.9(1)	102(1) *	28	6.3
51.00	A	08/15/1996	322	8(1)	4(5)	1(1)	0(1)	0(1)	3(1)	11(5)	11(5)	16(5)	41(3)	2.9(3)	124(1) *	32	6.1
48.70	A	07/16/1996	327	14(3)	5(5)	2(1)	0(1)	4(1)	8(1)	34(1)	34(1)	15(5)	48(3)	7.0(1)	172(1)	24	7.1
48.70	A	08/15/1996	327	15(3)	5(5)	2(1)	0(1)	3(1)	13(1)	38(1)	36(1)	18(5)	46(3)	0.0(5)	110(1) *	28	7.1
48.00	A	08/15/1996	331	14(3)	5(5)	2(1)	0(1)	2(1)	11(1)	31(1)	31(1)	16(5)	48(3)	3.4(1)	122(1) *	24	6.9
48.00	A	07/23/1996	331	11(3)	4(5)	1(1)	0(1)	0(1)	14(1)	41(1)	40(1)	17(5)	40(3)	3.2(1)	112(1) *	24	6.4

▲ - IBI is low end adjusted.

* - < 200 Total individuals in sample

** - < 50 Total individuals in sample

Appendix Table . IBI metric scores from fish sampling sites in the Cuyahoga River basin study area, 1996.

River Mile	Type	Date	Drainage area (sq mi)	Number of				Percent of Individuals							Rel.No. minus tolerants /(1.0 km)	Modified IBI	lwb
				Total species	Sunfish species	Sucker species	Intolerant species	Rnd-bodied suckers	Simple Lithophils	Tolerant fishes	Omni-vores	Top carnivores	Insect-ivores	DELT anomalies			
46.00	A	09/05/1996	334	13(3)	7(5)	1(1)	0(1)	0(1)	15(1)	33(1)	31(1)	24(5)	28(3)	2.2(3)	214(3)	28	6.7
42.00	A	08/06/1996	401	11(3)	3(3)	2(1)	0(1)	25(3)	56(5)	35(1)	26(3)	3(1)	52(3)	1.5(3)	192(1)	28	6.7
42.00	A	09/03/1996	401	11(3)	2(3)	2(1)	0(1)	19(1)	66(5)	33(1)	29(1)	4(1)	52(3)	3.7(1)	220(3)	24	7.0
38.60	A	08/06/1996	438	10(3)	3(3)	2(1)	0(1)	49(5)	75(5)	25(3)	24(3)	0(1)	67(5)	3.6(1)	82(1) *	32	6.0
38.60	A	09/03/1996	438	9(1)	1(1)	2(1)	1(1)	26(3)	77(5)	46(1)	39(1)	0(1)	53(3)	4.3(1)	102(1) *	20	6.1
37.40	A	08/06/1996	443	6(1)	1(1)	2(1)	0(1)	6(1)	61(5)	61(1)	44(1)	0(1)	33(3)	0.0(5)	70(1) *	22	4.7
37.40	A	09/03/1996	443	7(1)	1(1)	2(1)	0(1)	11(1)	66(5)	82(1)	58(1)	0(1)	26(1)	10.5(1)	70(1)	16	5.5
37.20	A	08/06/1996	443	8(1)	1(1)	2(1)	0(1)	41(5)	76(5)	46(1)	34(1)	2(1)	49(3)	4.9(3)	44(1) *	24	5.5
37.20	A	09/03/1996	443	9(1)	0(1)	2(1)	1(1)	30(3)	67(5)	57(1)	44(1)	1(1)	36(3)	9.2(1)	76(1) *	20	5.5
35.30	A	08/06/1996	477	8(1)	0(1)	2(1)	0(1)	6(1)	58(5)	77(1)	58(1)	0(1)	22(1)	7.2(1)	32(1) *	16	4.7
35.30	A	09/03/1996	477	13(3)	2(3)	2(1)	0(1)	19(1)	63(5)	48(1)	43(1)	2(1)	34(3)	1.6(3)	132(1)	24	6.5
33.30	A	08/07/1996	480	8(1)	1(1)	1(1)	0(1)	0(1)	38(3)	49(1)	43(1)	0(1)	24(1)	5.2(1)	98(1) *	14	4.9
33.30	A	09/04/1996	480	7(1)	1(1)	1(1)	0(1)	0(1)	77(5)	77(1)	69(1)	5(3)	20(1)	1.4(3)	34(1) *	20	4.6
27.20	A	08/07/1996	520	11(3)	2(3)	2(1)	0(1)	6(1)	63(5)	63(1)	61(1)	0(1)	32(3)	1.1(3)	66(1) *	24	5.4
27.20	A	09/04/1996	520	13(3)	2(3)	2(1)	0(1)	9(1)	77(5)	73(1)	72(1)	0(1)	19(1)	3.7(1)	90(1)	20	5.4
22.00	A	08/07/1996	580	9(1)	3(3)	1(1)	0(1)	0(1)	30(1)	70(1)	67(1)	3(1)	30(1)	0.0(1)	20(1) *	14	3.8 ▲
22.00	A	09/03/1996	580	3(1)	0(1)	1(1)	0(1)	0(1)	68(1)	80(1)	80(1)	3(1)	18(1)	5.0(1)	16(1) *	12	4.0 ▲
16.50	A	08/08/1996	597	10(3)	2(3)	3(3)	0(1)	10(1)	23(1)	42(1)	58(1)	6(1)	26(1)	19.4(1)	36(1) *	18	5.7 ▲
16.50	A	09/04/1996	597	7(1)	0(1)	2(1)	0(1)	6(1)	36(1)	50(1)	64(1)	14(1)	19(1)	11.1(1)	36(1) *	12	5.7 ▲
15.90	A	08/08/1996	694	12(3)	4(5)	3(3)	0(1)	3(1)	8(1)	43(1)	55(1)	25(1)	15(1)	12.5(1)	46(1) *	20	5.7 ▲
15.90	A	09/05/1996	694	14(3)	3(3)	3(3)	0(1)	12(1)	28(3)	37(1)	55(1)	8(3)	34(3)	7.7(1)	82(1) *	24	7.0
11.50	A	07/24/1996	710	18(3)	2(3)	3(3)	0(1)	15(1)	42(3)	53(1)	61(1)	4(1)	31(3)	5.0(1)	98(1)	22	7.0
11.50	A	10/08/1996	710	7(1)	0(1)	2(1)	0(1)	9(1)	28(3)	28(1)	36(1)	0(1)	15(1)	5.7(1)	76(1) *	14	5.5
10.40	A	07/24/1996	731	3(1)	1(1)	1(1)	0(1)	87(5)	87(5)	0(5)	7(5)	0(1)	93(5)	20.0(1)	150(1) *	32	4.5

▲ - IBI is low end adjusted.

* - < 200 Total individuals in sample

** - < 50 Total individuals in sample

Appendix Table . IBI metric scores from fish sampling sites in the Cuyahoga River basin study area, 1996.

River Mile	Type	Date	Drainage area (sq mi)	Number of				Percent of Individuals							Rel.No. minus tolerants /(1.0 km)	IBI	Modified Iwb
				Total species	Sunfish species	Sucker species	Intolerant species	Rnd-bodied suckers	Simple Lithophils	Tolerant fishes	Omni-vores	Top carnivores	Insect-ivores	DELT anomalies			
10.40	A	10/08/1996	731	4(1)	0(1)	1(1)	0(1)	3(1)	16(1)	8(5)	8(5)	0(1)	92(5)	0.0(5)	340(3)	30	4.6
9.60	A	07/24/1996	733	9(1)	1(1)	2(1)	0(1)	13(1)	43(3)	70(1)	59(1)	0(1)	37(3)	34.8(1)	28(1) *	16	5.0
9.60	A	10/08/1996	733	6(1)	0(1)	2(1)	0(1)	8(1)	47(3)	58(1)	53(1)	5(3)	39(3)	10.5(1)	32(1) *	18	4.4
8.30	A	08/12/1996	743	11(3)	0(1)	2(1)	0(1)	5(1)	27(3)	41(1)	69(1)	1(1)	25(1)	8.6(1)	96(1) *	16	6.0
8.30	A	10/08/1996	743	11(3)	1(1)	2(1)	0(1)	2(1)	32(3)	56(1)	60(1)	2(1)	39(3)	5.3(1)	50(1) *	18	5.1
7.20	A	08/12/1996	786	7(1)	0(1)	2(1)	0(1)	3(1)	11(1)	24(3)	91(1)	1(1)	8(1)	10.4(1)	146(1) *	14	4.0
7.20	A	10/08/1996	786	6(1)	1(1)	2(1)	0(1)	2(1)	14(1)	16(3)	91(1)	1(1)	8(1)	0.0(5)	960(5)	22	6.4

▲ - IBI is low end adjusted.

* - < 200 Total individuals in sample

** - < 50 Total individuals in sample

Appendix Table . IBI metric scores from 1996 fish sampling sites in the Cuyahoga River lacustrary based on interim IBI scoring criteria (Ohio EPA 1999a,b Draft).

River Mile	Type	Date	Drainage area (sq mi)	Number of					Percent of Individuals						Rel.No. minus tolerants / (1.0 km)	IBI	Modified lwb
				Total species	Centrarch. species	Sensitive species	Benthic species	Cyprinid species	Exotics	Tolerant fishes	Omnivores	Top carnivores	Phytophils	DELT anomalies			
Cuyahoga River - (19-001)																	
Year: 1996																	
5.60	O	07/31/1996	788	15(3)	7(5)	1(1)	2(1)	4(3)	42(0)	66(0)	62(1)	10(1)	10.1(3)	20.6(0)	136(1) *	19	5.6
5.60	O	09/12/1996	788	11(3)	7(5)	0(0)	3(1)	0(0)	8(5)	22(5)	20(0)	22(1)	5.9(1)	15.2(0)	92(1)	22	6.0
4.80	O	07/31/1996	796	5(1)	2(1)	0(0)	1(1)	1(1)	17(3)	14(5)	7(1)	21(1)	2.2(1)	7.1(0)	28(1) *	16	4.9
4.80	O	09/12/1996	796	8(3)	3(1)	0(0)	2(1)	2(1)	3(5)	46(5)	27(0)	9(1)	0.9(1)	9.1(0)	22(1)	19	4.4
4.20	O	08/21/1996	796	10(3)	7(5)	1(1)	1(1)	2(1)	4(5)	28(5)	19(0)	7(1)	2.2(1)	2.3(3)	86(1)	27	5.1
4.20	O	09/24/1996	796	17(5)	9(5)	2(1)	4(3)	4(3)	10(3)	15(3)	8(5)	3(1)	6.1(1)	3.5(1)	564(3)	34	6.4
3.10	O	07/30/1996	805	3(1)	0(0)	0(0)	0(0)	2(1)	8(5)	40(5)	20(0)	0(0)	2.6(1)	0.0(5)	10(1) *	19	3.1
3.10	O	09/24/1996	805	4(1)	0(0)	1(1)	0(0)	1(1)	3(5)	0(5)	0(5)	2(1)	0.0(0)	0.0(5)	164(1) *	25	4.3
1.30	O	07/29/1996	807	6(1)	1(1)	0(0)	4(3)	0(0)	0(5)	60(1)	20(1)	0(0)	8.3(1)	0.0(5)	10(1)* *	19	3.7
1.30	O	09/24/1996	807	12(3)	2(1)	2(1)	2(1)	5(5)	26(1)	21(3)	9(5)	7(1)	6.1(1)	6.8(0)	234(1)	23	5.9
0.50	O	08/21/1996	809	5(1)	1(1)	0(0)	1(1)	2(1)	19(1)	1(5)	1(1)	19(1)	4.6(1)	0.7(3)	288(1)	17	6.0
0.50	P	09/25/1996	809	5(1)	1(1)	1(1)	1(1)	1(1)	0(5)	1(5)	1(5)	1(1)	1.0(1)	0.0(5)	540(3)	30	4.3

♦ - IBI is low end adjusted.

Species List

River Code: 19-001 River Mile: 90.90	Stream: Cuyahoga River Basin: Cuyahoga River Time Fished: 1500 sec Drain Area: 18.6 sq mi Dist Fished: 0.20 km No of Passes: 1	Sample Date: 1996 Date Range: 07/31/1996 Sampler Type: D
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Species Name / ODNR status	IBI Grp	Feed Guild	Breed Guild	Tol	# of Fish	Relative Number	% by Number	Relative Weight	% by Weight	Ave(gm) Weight
Grass Pickerel		P	M	P	2	3.00	1.20	0.15	1.18	50.00
White Sucker	W	O	S	T	25	37.50	15.06	3.10	24.31	82.61
Spotted Sucker	R	I	S		9	13.50	5.42	2.40	18.83	177.78
Golden Shiner	N	I	M	T	6	9.00	3.61	0.12	0.94	13.33
Creek Chub	N	G	N	T	3	4.50	1.81	0.18	1.44	40.67
Common Shiner	N	I	S		7	10.50	4.22	0.68	5.30	64.29
Bluntnose Minnow	N	O	C	T	19	28.50	11.45	0.09	0.71	3.16
Yellow Bullhead		I	C	T	21	31.50	12.65	2.16	16.91	68.42
Largemouth Bass	F	C	C		29	43.50	17.47	2.30	18.05	52.90
Green Sunfish	S	I	C	T	3	4.50	1.81	0.09	0.71	20.00
Bluegill Sunfish	S	I	C	P	23	34.50	13.86	0.82	6.46	23.86
Pumpkinseed Sunfish	S	I	C	P	8	12.00	4.82	0.45	3.53	37.50
Yellow Perch			M		4	6.00	2.41	0.11	0.82	17.50
Logperch	D	I	S	M	4	6.00	2.41	0.09	0.71	15.00
Johnny Darter	D	I	C		3	4.50	1.81	0.02	0.12	3.33
<i>Mile Total</i>					166	249.00		12.75		
<i>Number of Species</i>					15					
<i>Number of Hybrids</i>					0					

Species List

River Code: 19-001 River Mile: 87.20	Stream: Cuyahoga River Basin: Cuyahoga River Time Fished: 2920 sec Drain Area: 38.4 sq mi Dist Fished: 1.00 km No of Passes: 2	Sample Date: 1996 Date Range: 07/31/1996 Thru: 08/26/1996 Sampler Type: A
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Species Name / ODNR status	IBI Grp	Feed Guild	Breed Guild	Tol	# of Fish	Relative Number	% by Number	Relative Weight	% by Weight	Ave(gm) Weight
Gizzard Shad		O	M		1	1.00	0.68	0.14	0.47	139.00
Grass Pickerel		P	M	P	1	1.00	0.68	0.01	0.03	10.00
Northern Pike	F	P	M		2	2.00	1.35	0.12	0.41	60.50
White Sucker	W	O	S	T	56	56.00	37.84	15.76	53.62	281.42
Spotted Sucker	R	I	S		34	34.00	22.97	8.21	27.95	241.58
Common Carp	G	O	M	T	1	1.00	0.68	3.00	10.21	3,000.00
Golden Shiner	N	I	M	T	9	9.00	6.08	0.04	0.14	4.56
Common Shiner	N	I	S		12	12.00	8.11	0.30	1.03	25.25
Bluntnose Minnow	N	O	C	T	11	11.00	7.43	0.02	0.07	1.82
Yellow Bullhead		I	C	T	3	3.00	2.03	0.68	2.33	228.00
Brook Silverside		I	M	M	1	1.00	0.68	0.00	0.00	1.00
Black Crappie	S	I	C		1	1.00	0.68	0.09	0.31	92.00
Largemouth Bass	F	C	C		4	4.00	2.70	0.56	1.91	140.50
Warmouth Sunfish	S	C	C		1	1.00	0.68	0.06	0.20	60.00
Green Sunfish	S	I	C	T	1	1.00	0.68	0.01	0.03	9.00
Bluegill Sunfish	S	I	C	P	2	2.00	1.35	0.11	0.38	55.50
Pumpkinseed Sunfish	S	I	C	P	5	5.00	3.38	0.18	0.60	35.00
Yellow Perch			M		2	2.00	1.35	0.09	0.29	42.50
Logperch	D	I	S	M	1	1.00	0.68	0.01	0.02	5.00
<i>Mile Total</i>					148	148.00		29.39		
<i>Number of Species</i>					19					
<i>Number of Hybrids</i>					0					

Species List

River Code: 19-001 River Mile: 83.80	Stream: Cuyahoga River Basin: Cuyahoga River Time Fished: 3869 sec Drain Area: 77.0 sq mi Dist Fished: 1.00 km No of Passes: 2	Sample Date: 1996 Date Range: 07/31/1996 Thru: 08/24/1996 Sampler Type: A
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Species Name / ODNR status	IBI Grp	Feed Guild	Breed Guild	Tol	# of Fish	Relative Number	% by Number	Relative Weight	% by Weight	Ave(gm) Weight
Gizzard Shad		O	M		1	1.00	0.36	0.02	0.04	22.00
Grass Pickerel		P	M	P	2	2.00	0.73	0.04	0.07	21.50
Northern Pike	F	P	M		2	2.00	0.73	0.55	0.89	276.00
Silver Redhorse	R	I	S	M	5	5.00	1.82	0.08	0.12	15.00
Golden Redhorse	R	I	S	M	11	11.00	4.00	3.96	6.35	359.55
Northern Hog Sucker	R	I	S	M	2	2.00	0.73	0.22	0.36	111.00
White Sucker	W	O	S	T	49	49.00	17.82	16.36	26.29	333.94
Spotted Sucker	R	I	S		31	31.00	11.27	7.88	12.65	254.08
Common Carp	G	O	M	T	7	7.00	2.55	28.80	46.27	4,114.29
Golden Shiner	N	I	M	T	3	3.00	1.09	0.03	0.05	10.00
Common Shiner	N	I	S		69	69.00	25.09	1.10	1.77	15.97
Bluntnose Minnow	N	O	C	T	46	46.00	16.73	0.11	0.17	2.32
Yellow Bullhead		I	C	T	1	1.00	0.36	0.31	0.50	312.00
Brook Silverside		I	M	M	1	1.00	0.36	0.00	0.00	1.00
White Crappie	S	I	C		1	1.00	0.36	0.00	0.00	1.00
Black Crappie	S	I	C		2	2.00	0.73	0.06	0.09	28.00
Rock Bass	S	C	C		5	5.00	1.82	0.28	0.44	55.00
Smallmouth Bass	F	C	C	M	1	1.00	0.36	0.24	0.39	240.00
Largemouth Bass	F	C	C		2	2.00	0.73	1.02	1.65	512.00
Bluegill Sunfish	S	I	C	P	4	4.00	1.45	0.31	0.49	76.75
Pumpkinseed Sunfish	S	I	C	P	26	26.00	9.45	0.61	0.98	23.38
Yellow Perch			M		3	3.00	1.09	0.26	0.42	87.00
Logperch	D	I	S	M	1	1.00	0.36	0.01	0.02	12.00
<i>Mile Total</i>					275	275.00		62.24		
<i>Number of Species</i>					23					
<i>Number of Hybrids</i>					0					

Species List

River Code: 19-001 River Mile: 80.50	Stream: Cuyahoga River Basin: Cuyahoga River Time Fished: 4613 sec Drain Area: 123.0 sq mi Dist Fished: 1.00 km No of Passes: 2	Sample Date: 1996 Date Range: 07/17/1996 Thru: 08/26/1996 Sampler Type: A
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Species Name / ODNR status	IBI Grp	Feed Guild	Breed Guild	Tol	# of Fish	Relative Number	% by Number	Relative Weight	% by Weight	Ave(gm) Weight
Grass Pickerel		P	M	P	17	17.00	11.49	0.19	0.31	11.29
Northern Pike	F	P	M		3	3.00	2.03	0.83	1.31	275.67
Golden Redhorse	R	I	S	M	2	2.00	1.35	0.14	0.23	71.00
White Sucker	W	O	S	T	15	15.00	10.14	8.42	13.38	561.11
Spotted Sucker	R	I	S		59	59.00	39.86	19.48	30.96	330.14
Common Carp	G	O	M	T	7	7.00	4.73	32.24	51.25	4,605.71
Golden Shiner	N	I	M	T	4	4.00	2.70	0.03	0.05	8.25
Common Shiner	N	I	S		15	15.00	10.14	0.21	0.34	14.13
Bluntnose Minnow	N	O	C	T	4	4.00	2.70	0.02	0.02	3.75
Brown Bullhead		I	C	T	1	1.00	0.68	0.45	0.71	445.00
Black Bullhead		I	C	P	1	1.00	0.68	0.24	0.38	240.00
Brook Silverside		I	M	M	1	1.00	0.68	0.00	0.00	1.00
Largemouth Bass	F	C	C		6	6.00	4.05	0.13	0.21	22.17
Warmouth Sunfish	S	C	C		2	2.00	1.35	0.09	0.14	45.50
Pumpkinseed Sunfish	S	I	C	P	8	8.00	5.41	0.33	0.52	41.25
Yellow Perch			M		3	3.00	2.03	0.11	0.18	37.67
<i>Mile Total</i>					148	148.00		62.91		
<i>Number of Species</i>					16					
<i>Number of Hybrids</i>					0					

Species List

River Code: 19-001 River Mile: 75.80	Stream: Cuyahoga River Basin: Cuyahoga River Time Fished: 1500 sec Drain Area: 151.0 sq mi Dist Fished: 0.40 km No of Passes: 2	Sample Date: 1996 Date Range: 07/15/1996 Thru: 08/14/1996 Sampler Type: D
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Species Name / ODNR status	IBI Grp	Feed Guild	Breed Guild	Tol	# of Fish	Relative Number	% by Number	Relative Weight	% by Weight	Ave(gm) Weight
Grass Pickerel		P	M	P	4	3.00	1.83	0.04	0.24	11.75
Golden Redhorse	R	I	S	M	4	3.00	1.83	2.38	16.01	793.75
Northern Hog Sucker	R	I	S	M	33	24.75	15.07	6.20	41.69	250.62
White Sucker	W	O	S	T	5	3.75	2.28	0.14	0.94	37.50
Common Carp	G	O	M	T	1	0.75	0.46	1.50	10.08	2,000.00
Common Shiner	N	I	S		14	10.50	6.39	0.56	3.76	53.21
Bluntnose Minnow	N	O	C	T	35	26.25	15.98	0.09	0.62	3.48
Yellow Bullhead		I	C	T	22	16.50	10.05	1.35	9.07	81.82
Rock Bass	S	C	C		7	5.25	3.20	0.53	3.57	101.14
Smallmouth Bass	F	C	C	M	13	9.75	5.94	0.73	4.90	74.77
Largemouth Bass	F	C	C		7	5.25	3.20	0.72	4.81	136.29
Warmouth Sunfish	S	C	C		1	0.75	0.46	0.00	0.03	5.00
Bluegill Sunfish	S	I	C	P	6	4.50	2.74	0.16	1.07	35.17
Pumpkinseed Sunfish	S	I	C	P	4	3.00	1.83	0.13	0.88	43.50
Logperch	D	I	S	M	19	14.25	8.68	0.18	1.18	12.26
Johnny Darter	D	I	C		7	5.25	3.20	0.01	0.04	1.00
Greenside Darter	D	I	S	M	37	27.75	16.89	0.17	1.14	6.12
<i>Mile Total</i>					219	164.25		14.88		
<i>Number of Species</i>					17					
<i>Number of Hybrids</i>					0					

Species List

River Code: 19-001 River Mile: 71.70	Stream: Cuyahoga River Basin: Cuyahoga River Time Fished: 3541 sec Drain Area: 157.0 sq mi Dist Fished: 1.00 km No of Passes: 2	Sample Date: 1996 Date Range: 07/17/1996 Thru: 08/26/1996 Sampler Type: A
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Species Name / ODNR status	IBI Grp	Feed Guild	Breed Guild	Tol	# of Fish	Relative Number	% by Number	Relative Weight	% by Weight	Ave(gm) Weight
Golden Redhorse	R	I	S	M	33	33.00	10.89	21.79	20.59	660.19
Northern Hog Sucker	R	I	S	M	58	58.00	19.14	10.90	10.30	187.88
White Sucker	W	O	S	T	23	23.00	7.59	10.79	10.19	469.03
Spotted Sucker	R	I	S		1	1.00	0.33	0.05	0.05	49.00
Common Carp	G	O	M	T	9	9.00	2.97	46.75	44.18	5,194.44
Hornyhead Chub	N	I	N	I	23	23.00	7.59	1.00	0.95	43.61
River Chub	N	I	N	I	8	8.00	2.64	0.39	0.37	48.75
Rosyface Shiner	N	I	S	I	1	1.00	0.33	0.00	0.00	1.00
Common Shiner	N	I	S		42	42.00	13.86	0.58	0.55	13.87
Bluntnose Minnow	N	O	C	T	11	11.00	3.63	0.03	0.03	3.09
Yellow Bullhead		I	C	T	4	4.00	1.32	0.70	0.66	175.00
Rock Bass	S	C	C		18	18.00	5.94	1.10	1.04	61.24
Smallmouth Bass	F	C	C	M	40	40.00	13.20	11.34	10.72	283.49
Largemouth Bass	F	C	C		10	10.00	3.30	0.08	0.08	8.20
Bluegill Sunfish	S	I	C	P	1	1.00	0.33	0.04	0.04	40.00
Pumpkinseed Sunfish	S	I	C	P	2	2.00	0.66	0.02	0.02	10.00
Yellow Perch			M		5	5.00	1.65	0.12	0.12	24.80
Logperch	D	I	S	M	14	14.00	4.62	0.13	0.12	9.29
<i>Mile Total</i>					303	303.00		105.82		
<i>Number of Species</i>					18					
<i>Number of Hybrids</i>					0					

Species List

River Code: 19-001 River Mile: 65.10	Stream: Cuyahoga River Basin: Cuyahoga River Time Fished: 2512 sec Drain Area: 174.0 sq mi Dist Fished: 1.20 km No of Passes: 2	Sample Date: 1996 Date Range: 08/01/1996 Thru: 08/27/1996 Sampler Type: A
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Species Name / ODNR status	IBI Grp	Feed Guild	Breed Guild	Tol	# of Fish	Relative Number	% by Number	Relative Weight	% by Weight	Ave(gm) Weight
Grass Pickerel		P	M	P	3	2.14	0.94	0.11	0.16	50.33
Northern Pike	F	P	M		3	2.71	1.19	4.42	6.44	1,476.67
Golden Redhorse	R	I	S	M	111	90.43	39.56	41.85	60.94	457.59
Northern Hog Sucker	R	I	S	M	29	23.00	10.06	3.74	5.45	160.66
White Sucker	W	O	S	T	8	7.43	3.25	4.60	6.70	619.38
Spotted Sucker	R	I	S		7	5.86	2.56	0.09	0.13	16.00
Common Carp	G	O	M	T	2	1.71	0.75	8.86	12.90	4,750.00
Golden Shiner	N	I	M	T	1	0.71	0.31	0.01	0.01	8.00
Rosyface Shiner	N	I	S	I	2	1.43	0.62	0.01	0.01	3.50
Common Shiner	N	I	S		21	17.57	7.69	0.24	0.35	14.10
Bluntnose Minnow	N	O	C	T	14	10.86	4.75	0.04	0.06	3.86
Yellow Bullhead		I	C	T	1	0.71	0.31	0.14	0.21	198.00
Brook Silverside		I	M	M	7	7.00	3.06	0.01	0.02	1.71
Black Crappie	S	I	C		1	1.00	0.44	0.02	0.03	21.00
Rock Bass	S	C	C		11	9.86	4.31	0.64	0.94	65.36
Smallmouth Bass	F	C	C	M	20	17.14	7.50	3.34	4.87	192.75
Largemouth Bass	F	C	C		6	5.71	2.50	0.04	0.06	7.50
Green Sunfish	S	I	C	T	1	0.71	0.31	0.01	0.02	19.00
Bluegill Sunfish	S	I	C	P	11	8.71	3.81	0.13	0.19	14.55
Pumpkinseed Sunfish	S	I	C	P	4	2.86	1.25	0.06	0.09	20.50
Yellow Perch			M		12	10.00	4.37	0.30	0.44	29.18
Johnny Darter	D	I	C		1	1.00	0.44	0.00	0.00	1.00
<i>Mile Total</i>					276	228.57		68.68		
<i>Number of Species</i>					22					
<i>Number of Hybrids</i>					0					

Species List

River Code: 19-001 River Mile: 64.50	Stream: Cuyahoga River Basin: Cuyahoga River Time Fished: 3900 sec Drain Area: 177.0 sq mi Dist Fished: 0.40 km No of Passes: 2	Sample Date: 1996 Date Range: 07/15/1996 Thru: 08/14/1996 Sampler Type: D
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Species Name / ODNR status	IBI Grp	Feed Guild	Breed Guild	Tol	# of Fish	Relative Number	% by Number	Relative Weight	% by Weight	Ave(gm) Weight
Grass Pickerel		P	M	P	1	0.75	0.45	0.07	0.59	90.00
Northern Hog Sucker	R	I	S	M	19	14.25	8.60	1.37	12.08	96.22
White Sucker	W	O	S	T	5	3.75	2.26	1.76	15.49	468.90
Common Carp	G	O	M	T	1	0.75	0.45	4.20	37.00	5,600.00
River Chub	N	I	N	I	43	32.25	19.46	1.32	11.59	40.80
Common Shiner	N	I	S		11	8.25	4.98	0.10	0.86	11.86
Bluntnose Minnow	N	O	C	T	1	0.75	0.45	0.00	0.01	2.00
Central Stoneroller	N	H	N		6	4.50	2.71	0.10	0.87	22.00
Yellow Bullhead		I	C	T	4	3.00	1.81	0.77	6.79	257.00
Brook Silverside		I	M	M	17	12.75	7.69	0.02	0.17	1.47
Rock Bass	S	C	C		18	13.50	8.14	0.98	8.61	72.41
Smallmouth Bass	F	C	C	M	5	3.75	2.26	0.28	2.44	73.60
Largemouth Bass	F	C	C		4	3.00	1.81	0.01	0.13	4.75
Green Sunfish	S	I	C	T	1	0.75	0.45	0.00	0.04	6.00
Bluegill Sunfish	S	I	C	P	2	1.50	0.90	0.01	0.07	5.50
Yellow Perch			M		2	1.50	0.90	0.02	0.13	10.00
Logperch	D	I	S	M	44	33.00	19.91	0.18	1.58	5.42
Greenside Darter	D	I	S	M	11	8.25	4.98	0.05	0.47	6.45
Rainbow Darter	D	I	S	M	12	9.00	5.43	0.03	0.23	2.92
Fantail Darter	D	I	C		14	10.50	6.33	0.10	0.86	9.33
<i>Mile Total</i>					221	165.75		11.35		
<i>Number of Species</i>					20					
<i>Number of Hybrids</i>					0					

Species List

River Code: 19-001 River Mile: 57.50	Stream: Cuyahoga River Basin: Cuyahoga River Time Fished: 4560 sec Drain Area: 208.0 sq mi Dist Fished: 0.40 km No of Passes: 2	Sample Date: 1996 Date Range: 07/15/1996 Thru: 08/14/1996 Sampler Type: D
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Species Name / ODNR status	IBI Grp	Feed Guild	Breed Guild	Tol	# of Fish	Relative Number	% by Number	Relative Weight	% by Weight	Ave(gm) Weight
Central Mudminnow		I	C	T	2	1.50	1.85	0.01	0.17	4.50
Northern Hog Sucker	R	I	S	M	1	0.75	0.93	0.44	10.81	586.00
White Sucker	W	O	S	T	1	0.75	0.93	0.56	13.83	750.00
Common Shiner	N	I	S		3	2.25	2.78	0.12	3.05	55.00
Yellow Bullhead		I	C	T	29	21.75	26.85	1.44	35.37	66.14
Black Crappie	S	I	C		3	2.25	2.78	0.04	0.87	15.67
Rock Bass	S	C	C		11	8.25	10.19	0.84	20.56	101.27
Largemouth Bass	F	C	C		6	4.50	5.56	0.03	0.70	6.33
Warmouth Sunfish	S	C	C		1	0.75	0.93	0.05	1.29	70.00
Green Sunfish	S	I	C	T	14	10.50	12.96	0.20	5.00	19.36
Bluegill Sunfish	S	I	C	P	1	0.75	0.93	0.02	0.47	25.00
Yellow Perch			M		4	3.00	3.70	0.12	2.90	39.25
Logperch	D	I	S	M	11	8.25	10.19	0.13	3.23	15.91
Johnny Darter	D	I	C		2	1.50	1.85	0.00	0.04	1.00
Greenside Darter	D	I	S	M	19	14.25	17.59	0.07	1.76	5.00
<i>Mile Total</i>					108	81.00		4.07		
<i>Number of Species</i>					15					
<i>Number of Hybrids</i>					0					

Species List

River Code: 19-001 River Mile: 56.00	Stream: Cuyahoga River Basin: Cuyahoga River Time Fished: 3600 sec Drain Area: 291.0 sq mi Dist Fished: 0.40 km No of Passes: 2	Sample Date: 1996 Date Range: 07/16/1996 Thru: 08/14/1996 Sampler Type: D
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Species Name / ODNR status	IBI Grp	Feed Guild	Breed Guild	Tol	# of Fish	Relative Number	% by Number	Relative Weight	% by Weight	Ave(gm) Weight
Grass Pickerel		P	M	P	12	9.00	11.54	0.21	1.79	23.75
Northern Pike	F	P	M		6	4.50	5.77	4.83	40.37	1,073.00
White Sucker	W	O	S	T	4	3.00	3.85	1.65	13.79	550.00
Golden Shiner	N	I	M	T	1	0.75	0.96	0.00	0.01	1.00
Yellow Bullhead		I	C	T	20	15.00	19.23	3.34	27.92	222.65
Black Crappie	S	I	C		5	3.75	4.81	0.51	4.23	135.00
Rock Bass	S	C	C		6	4.50	5.77	0.34	2.82	75.00
Largemouth Bass	F	C	C		4	3.00	3.85	0.02	0.15	6.00
Green Sunfish	S	I	C	T	4	3.00	3.85	0.06	0.54	21.25
Bluegill Sunfish	S	I	C	P	3	2.25	2.88	0.07	0.59	31.33
Pumpkinseed Sunfish	S	I	C	P	17	12.75	16.35	0.26	2.20	20.59
Hybrid X Sunfish					1	0.75	0.96	0.08	0.70	112.00
Yellow Perch			M		13	9.75	12.50	0.52	4.35	53.31
Logperch	D	I	S	M	1	0.75	0.96	0.02	0.17	27.00
Greenside Darter	D	I	S	M	7	5.25	6.73	0.05	0.38	8.71
<i>Mile Total</i>					104	78.00		11.96		
<i>Number of Species</i>					14					
<i>Number of Hybrids</i>					1					

Species List

River Code: 19-001 River Mile: 54.20	Stream: Cuyahoga River Basin: Cuyahoga River Time Fished: 4088 sec Drain Area: 293.0 sq mi Dist Fished: 1.00 km No of Passes: 2	Sample Date: 1996 Date Range: 07/16/1996 Thru: 08/15/1996 Sampler Type: A
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Species Name / ODNR status	IBI Grp	Feed Guild	Breed Guild	Tol	# of Fish	Relative Number	% by Number	Relative Weight	% by Weight	Ave(gm) Weight
Grass Pickerel		P	M	P	1	1.00	0.40	0.16	0.14	162.00
Northern Pike	F	P	M		3	3.00	1.19	1.98	1.67	658.33
Northern Hog Sucker	R	I	S	M	36	36.00	14.23	10.74	9.10	298.33
White Sucker	W	O	S	T	80	80.00	31.62	61.20	51.87	764.96
Spotted Sucker	R	I	S		4	4.00	1.58	2.46	2.09	616.00
Common Carp	G	O	M	T	12	12.00	4.74	33.85	28.69	2,820.83
Hornyhead Chub	N	I	N	I	1	1.00	0.40	0.01	0.01	12.00
Common Shiner	N	I	S		1	1.00	0.40	0.03	0.02	28.00
Bluntnose Minnow	N	O	C	T	14	14.00	5.53	0.05	0.04	3.79
Yellow Bullhead		I	C	T	1	1.00	0.40	0.33	0.28	325.00
Black Crappie	S	I	C		2	2.00	0.79	0.22	0.19	112.00
Rock Bass	S	C	C		3	3.00	1.19	0.45	0.38	148.67
Smallmouth Bass	F	C	C	M	2	2.00	0.79	0.24	0.21	121.00
Largemouth Bass	F	C	C		9	9.00	3.56	3.69	3.12	409.56
Warmouth Sunfish	S	C	C		3	3.00	1.19	0.14	0.12	48.00
Green Sunfish	S	I	C	T	1	1.00	0.40	0.01	0.01	9.00
Bluegill Sunfish	S	I	C	P	22	22.00	8.70	0.72	0.61	32.77
Pumpkinseed Sunfish	S	I	C	P	14	14.00	5.53	0.58	0.49	41.21
Yellow Perch			M		38	38.00	15.02	1.04	0.88	27.39
Logperch	D	I	S	M	5	5.00	1.98	0.07	0.06	14.00
Greenside Darter	D	I	S	M	1	1.00	0.40	0.01	0.01	11.00
<i>Mile Total</i>					253	253.00		117.98		
<i>Number of Species</i>					21					
<i>Number of Hybrids</i>					0					

Species List

River Code: 19-001 River Mile: 53.40	Stream: Cuyahoga River Basin: Cuyahoga River Time Fished: 5454 sec Drain Area: 307.0 sq mi Dist Fished: 1.00 km No of Passes: 2	Sample Date: 1996 Date Range: 07/16/1996 Thru: 08/15/1996 Sampler Type: A
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Species Name / ODNR status	IBI Grp	Feed Guild	Breed Guild	Tol	# of Fish	Relative Number	% by Number	Relative Weight	% by Weight	Ave(gm) Weight
Grass Pickerel		P	M	P	5	5.00	2.58	0.21	0.23	41.80
Northern Pike	F	P	M		1	1.00	0.52	0.77	0.84	765.00
Northern Hog Sucker	R	I	S	M	2	2.00	1.03	0.43	0.48	215.50
White Sucker	W	O	S	T	16	16.00	8.25	9.78	10.79	611.25
Common Carp	G	O	M	T	15	15.00	7.73	70.10	77.37	4,673.33
Bluntnose Minnow	N	O	C	T	4	4.00	2.06	0.02	0.02	4.25
Yellow Bullhead		I	C	T	6	6.00	3.09	1.30	1.43	216.67
Black Bullhead		I	C	P	1	1.00	0.52	0.10	0.11	100.00
White Crappie	S	I	C		2	2.00	1.03	0.02	0.02	10.50
Black Crappie	S	I	C		8	8.00	4.12	0.55	0.60	68.50
Rock Bass	S	C	C		14	14.00	7.22	1.06	1.17	75.79
Largemouth Bass	F	C	C		13	13.00	6.70	3.26	3.60	250.92
Bluegill Sunfish	S	I	C	P	22	22.00	11.34	0.45	0.49	20.32
Pumpkinseed Sunfish	S	I	C	P	48	48.00	24.74	1.35	1.49	28.11
Hybrid X Sunfish					2	2.00	1.03	0.14	0.15	68.50
Yellow Perch			M		34	34.00	17.53	1.08	1.19	31.72
Johnny Darter	D	I	C		1	1.00	0.52	0.00	0.00	1.00
<i>Mile Total</i>					194	194.00		90.61		
<i>Number of Species</i>					16					
<i>Number of Hybrids</i>					1					

Species List

River Code: 19-001 River Mile: 52.00	Stream: Cuyahoga River Basin: Cuyahoga River Time Fished: 5470 sec Drain Area: 309.0 sq mi Dist Fished: 1.00 km No of Passes: 2	Sample Date: 1996 Date Range: 07/23/1996 Thru: 08/15/1996 Sampler Type: A
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Species Name / ODNR status	IBI Grp	Feed Guild	Breed Guild	Tol	# of Fish	Relative Number	% by Number	Relative Weight	% by Weight	Ave(gm) Weight
Grass Pickerel		P	M	P	6	6.00	2.71	0.20	0.33	33.17
White Sucker	W	O	S	T	6	6.00	2.71	4.92	8.19	819.17
Spotted Sucker	R	I	S		3	3.00	1.36	2.40	4.00	800.00
Common Carp	G	O	M	T	9	9.00	4.07	39.30	65.51	4,366.67
Common Shiner	N	I	S		4	4.00	1.81	0.31	0.51	76.50
Bluntnose Minnow	N	O	C	T	16	16.00	7.24	0.05	0.08	2.88
Yellow Bullhead		I	C	T	1	1.00	0.45	0.10	0.17	102.00
White Crappie	S	I	C		4	4.00	1.81	0.00	0.01	0.75
Black Crappie	S	I	C		4	4.00	1.81	0.32	0.53	78.75
Rock Bass	S	C	C		44	44.00	19.91	2.16	3.61	49.16
Smallmouth Bass	F	C	C	M	2	2.00	0.90	0.88	1.46	437.50
Largemouth Bass	F	C	C		20	20.00	9.05	5.79	9.65	289.35
Green Sunfish	S	I	C	T	3	3.00	1.36	0.04	0.07	13.67
Bluegill Sunfish	S	I	C	P	22	22.00	9.95	0.60	1.00	27.26
Pumpkinseed Sunfish	S	I	C	P	54	54.00	24.43	1.85	3.09	34.31
Hybrid X Sunfish					1	1.00	0.45	0.24	0.40	240.00
Yellow Perch			M		22	22.00	9.95	0.85	1.41	38.55
<i>Mile Total</i>					221	221.00		59.99		
<i>Number of Species</i>					16					
<i>Number of Hybrids</i>					1					

Species List

River Code: 19-001 River Mile: 51.00	Stream: Cuyahoga River Basin: Cuyahoga River Time Fished: 4907 sec Drain Area: 322.0 sq mi Dist Fished: 1.00 km No of Passes: 2	Sample Date: 1996 Date Range: 07/16/1996 Thru: 08/15/1996 Sampler Type: A
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Species Name / ODNR status	IBI Grp	Feed Guild	Breed Guild	Tol	# of Fish	Relative Number	% by Number	Relative Weight	% by Weight	Ave(gm) Weight
Northern Pike	F	P	M		1	1.00	0.73	0.90	1.54	900.00
White Sucker	W	O	S	T	9	9.00	6.57	7.95	13.63	883.33
Common Carp	G	O	M	T	12	12.00	8.76	43.00	73.74	3,583.33
Bluntnose Minnow	N	O	C	T	1	1.00	0.73	0.00	0.00	2.00
Yellow Bullhead		I	C	T	2	2.00	1.46	0.53	0.91	264.00
Black Crappie	S	I	C		4	4.00	2.92	0.43	0.74	108.00
Rock Bass	S	C	C		13	13.00	9.49	1.03	1.77	79.46
Largemouth Bass	F	C	C		6	6.00	4.38	0.58	0.99	95.83
Warmouth Sunfish	S	C	C		1	1.00	0.73	0.10	0.16	96.00
Bluegill Sunfish	S	I	C	P	29	29.00	21.17	1.22	2.09	42.07
Pumpkinseed Sunfish	S	I	C	P	29	29.00	21.17	1.28	2.19	44.00
Hybrid X Sunfish					1	1.00	0.73	0.22	0.38	219.00
Yellow Perch			M		29	29.00	21.17	1.08	1.85	37.28
<i>Mile Total</i>					137	137.00		58.31		
<i>Number of Species</i>					12					
<i>Number of Hybrids</i>					1					

Species List

River Code: 19-001 River Mile: 48.70	Stream: Cuyahoga River Basin: Cuyahoga River Time Fished: 4934 sec Drain Area: 327.0 sq mi Dist Fished: 1.00 km No of Passes: 2	Sample Date: 1996 Date Range: 07/16/1996 Thru: 08/15/1996 Sampler Type: A
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Species Name / ODNR status	IBI Grp	Feed Guild	Breed Guild	Tol	# of Fish	Relative Number	% by Number	Relative Weight	% by Weight	Ave(gm) Weight
Northern Pike	F	P	M		1	1.00	0.45	0.29	0.34	289.00
Northern Hog Sucker	R	I	S	M	8	8.00	3.64	2.31	2.69	288.38
White Sucker	W	O	S	T	13	13.00	5.91	5.39	6.28	414.62
Common Carp	G	O	M	T	39	39.00	17.73	67.19	78.25	1,722.82
Golden Shiner	N	I	M	T	2	2.00	0.91	0.01	0.01	5.00
Common Shiner	N	I	S		2	2.00	0.91	0.01	0.01	3.00
Spotfin Shiner	N	I	M		6	6.00	2.73	0.02	0.02	3.17
Bluntnose Minnow	N	O	C	T	24	24.00	10.91	0.06	0.07	2.33
Channel Catfish	F		C		1	1.00	0.45	2.50	2.91	2,500.00
Yellow Bullhead		I	C	T	1	1.00	0.45	0.15	0.17	145.00
Black Crappie	S	I	C		9	9.00	4.09	0.38	0.44	42.22
Rock Bass	S	C	C		20	20.00	9.09	1.23	1.43	61.55
Smallmouth Bass	F	C	C	M	4	4.00	1.82	1.33	1.55	332.00
Largemouth Bass	F	C	C		8	8.00	3.64	2.51	2.92	313.25
Warmouth Sunfish	S	C	C		3	3.00	1.36	0.15	0.17	49.67
Bluegill Sunfish	S	I	C	P	30	30.00	13.64	1.28	1.49	42.60
Pumpkinseed Sunfish	S	I	C	P	45	45.00	20.45	1.01	1.17	22.36
Yellow Perch			M		3	3.00	1.36	0.08	0.09	25.00
Johnny Darter	D	I	C		1	1.00	0.45	0.00	0.00	1.00
<i>Mile Total</i>					220	220.00		85.87		
<i>Number of Species</i>					19					
<i>Number of Hybrids</i>					0					

Species List

River Code: 19-001 River Mile: 48.00	Stream: Cuyahoga River Basin: Cuyahoga River Time Fished: 3572 sec Drain Area: 331.0 sq mi Dist Fished: 1.00 km No of Passes: 2	Sample Date: 1996 Date Range: 07/23/1996 Thru: 08/15/1996 Sampler Type: A
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Species Name / ODNR status	IBI Grp	Feed Guild	Breed Guild	Tol	# of Fish	Relative Number	% by Number	Relative Weight	% by Weight	Ave(gm) Weight
Gizzard Shad		O	M		1	1.00	0.54	0.35	0.47	350.00
Northern Pike	F	P	M		5	5.00	2.72	4.00	5.33	800.00
Northern Hog Sucker	R	I	S	M	2	2.00	1.09	0.25	0.34	126.50
White Sucker	W	O	S	T	21	21.00	11.41	8.74	11.65	415.95
Common Carp	G	O	M	T	33	33.00	17.93	55.50	74.01	1,681.82
Bluntnose Minnow	N	O	C	T	11	11.00	5.98	0.04	0.05	3.73
Yellow Bullhead		I	C	T	2	2.00	1.09	0.18	0.23	87.50
White Crappie	S	I	C		1	1.00	0.54	0.00	0.00	2.00
Black Crappie	S	I	C		1	1.00	0.54	0.04	0.05	40.00
Rock Bass	S	C	C		12	12.00	6.52	0.67	0.89	55.83
Smallmouth Bass	F	C	C	M	5	5.00	2.72	0.26	0.35	52.40
Largemouth Bass	F	C	C		7	7.00	3.80	2.64	3.52	376.86
Warmouth Sunfish	S	C	C		1	1.00	0.54	0.14	0.19	139.00
Bluegill Sunfish	S	I	C	P	22	22.00	11.96	0.53	0.70	23.91
Pumpkinseed Sunfish	S	I	C	P	52	52.00	28.26	1.15	1.53	22.08
Hybrid X Sunfish					1	1.00	0.54	0.09	0.11	85.00
Jack Dempsey		I	C		1	1.00	0.54	0.09	0.11	85.00
Yellow Perch			M		6	6.00	3.26	0.34	0.45	56.67
<i>Mile Total</i>					184	184.00		74.99		
<i>Number of Species</i>					17					
<i>Number of Hybrids</i>					1					

Species List

River Code: 19-001 River Mile: 46.00	Stream: Cuyahoga River Basin: Cuyahoga River Time Fished: 3306 sec Drain Area: 334.0 sq mi Dist Fished: 0.50 km No of Passes: 1	Sample Date: 1996 Date Range: 09/05/1996 Sampler Type: A
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Species Name / ODNR status	IBI Grp	Feed Guild	Breed Guild	Tol	# of Fish	Relative Number	% by Number	Relative Weight	% by Weight	Ave(gm) Weight
White Sucker	W	O	S	T	11	22.00	6.88	8.60	7.64	390.91
Common Carp	G	O	M	T	19	38.00	11.88	88.92	78.96	2,340.00
Common Shiner	N	I	S		13	26.00	8.13	1.05	0.93	40.31
Bluntnose Minnow	N	O	C	T	20	40.00	12.50	0.20	0.18	5.00
Yellow Bullhead		I	C	T	1	2.00	0.63	0.40	0.36	202.00
White Crappie	S	I	C		2	4.00	1.25	0.56	0.50	140.50
Black Crappie	S	I	C		1	2.00	0.63	0.13	0.12	65.00
Rock Bass	S	C	C		9	18.00	5.63	1.37	1.21	75.89
Smallmouth Bass	F	C	C	M	10	20.00	6.25	1.30	1.16	65.11
Largemouth Bass	F	C	C		16	32.00	10.00	4.31	3.83	134.69
Warmouth Sunfish	S	C	C		4	8.00	2.50	0.60	0.53	75.25
Green Sunfish	S	I	C	T	2	4.00	1.25	0.04	0.04	10.50
Bluegill Sunfish	S	I	C	P	12	24.00	7.50	0.98	0.87	40.64
Pumpkinseed Sunfish	S	I	C	P	13	26.00	8.13	0.75	0.66	28.78
Hybrid X Sunfish					27	54.00	16.88	3.40	3.02	63.00
<i>Mile Total</i>					160	320.00		112.61		
<i>Number of Species</i>					14					
<i>Number of Hybrids</i>					1					

Species List

River Code: 19-001 River Mile: 44.00	Stream: Cuyahoga River Basin: Cuyahoga River Time Fished: 4800 sec Drain Area: 337.0 sq mi Dist Fished: 0.30 km No of Passes: 2	Sample Date: 1996 Date Range: 07/23/1996 Thru: 08/27/1996 Sampler Type: D E
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Species Name / ODNR status	IBI Grp	Feed Guild	Breed Guild	Tol	# of Fish	Relative Number	% by Number	Relative Weight	% by Weight	Ave(gm) Weight
Gizzard Shad		O	M		18	18.00	1.99	0.09	0.54	4.83
Northern Hog Sucker	R	I	S	M	27	27.00	2.98	3.35	20.66	124.07
White Sucker	W	O	S	T	28	28.00	3.09	1.76	10.85	62.83
Creek Chub	N	G	N	T	18	18.00	1.99	1.13	6.94	62.50
Common Shiner	N	I	S		93	93.00	10.28	1.46	9.02	15.73
Spotfin Shiner	N	I	M		7	7.00	0.77	0.06	0.37	8.57
Bluntnose Minnow	N	O	C	T	1	1.00	0.11	0.01	0.04	6.00
Central Stoneroller	N	H	N		633	633.00	69.94	6.54	40.35	10.34
Yellow Bullhead		I	C	T	4	4.00	0.44	0.53	3.26	132.25
Smallmouth Bass	F	C	C	M	13	13.00	1.44	0.93	5.74	71.62
Largemouth Bass	F	C	C		5	5.00	0.55	0.05	0.30	9.80
Green Sunfish	S	I	C	T	1	1.00	0.11	0.01	0.07	12.00
Hybrid X Sunfish					1	1.00	0.11	0.03	0.15	25.00
Logperch	D	I	S	M	1	1.00	0.11	0.01	0.06	10.00
Greenside Darter	D	I	S	M	33	33.00	3.65	0.22	1.33	6.55
Fantail Darter	D	I	C		22	22.00	2.43	0.05	0.30	2.18
<i>Mile Total</i>					905	905.00		16.21		
<i>Number of Species</i>					15					
<i>Number of Hybrids</i>					1					

Species List

River Code: 19-001 River Mile: 42.80	Stream: Cuyahoga River Basin: Cuyahoga River Time Fished: 3360 sec Drain Area: 340.0 sq mi Dist Fished: 0.35 km No of Passes: 2	Sample Date: 1996 Date Range: 07/30/1996 Thru: 08/27/1996 Sampler Type: D
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Species Name / ODNR status	IBI Grp	Feed Guild	Breed Guild	Tol	# of Fish	Relative Number	% by Number	Relative Weight	% by Weight	Ave(gm) Weight
Northern Hog Sucker	R	I	S	M	13	12.75	1.23	0.70	1.69	55.38
White Sucker	W	O	S	T	10	8.75	0.84	0.20	0.47	20.00
Creek Chub	N	G	N	T	15	13.00	1.25	0.05	0.12	3.60
Common Shiner	N	I	S		392	364.50	35.12	2.20	5.34	5.96
Spotfin Shiner	N	I	M		5	4.75	0.46	0.02	0.05	4.40
Bluntnose Minnow	N	O	C	T	22	21.50	2.07	0.08	0.20	3.82
Central Stoneroller	N	H	N		563	550.50	53.03	37.07	90.01	66.02
Yellow Bullhead		I	C	T	3	2.75	0.26	0.26	0.63	86.33
Rock Bass	S	C	C		1	0.75	0.07	0.07	0.18	97.00
Smallmouth Bass	F	C	C	M	1	1.00	0.10	0.13	0.31	128.00
Largemouth Bass	F	C	C		2	2.00	0.19	0.01	0.02	5.00
Green Sunfish	S	I	C	T	1	1.00	0.10	0.03	0.06	25.00
Logperch	D	I	S	M	1	1.00	0.10	0.02	0.05	20.00
Johnny Darter	D	I	C		7	6.00	0.58	0.01	0.02	1.14
Greenside Darter	D	I	S	M	46	39.50	3.81	0.33	0.81	7.91
Rainbow Darter	D	I	S	M	4	3.00	0.29	0.01	0.02	3.00
Fantail Darter	D	I	C		6	5.25	0.51	0.01	0.02	1.83
<i>Mile Total</i>					1,092	1,038.00		41.18		
<i>Number of Species</i>					17					
<i>Number of Hybrids</i>					0					

Species List

River Code: 19-001 River Mile: 42.00	Stream: Cuyahoga River Basin: Cuyahoga River Time Fished: 2647 sec Drain Area: 401.0 sq mi Dist Fished: 1.00 km No of Passes: 2	Sample Date: 1996 Date Range: 08/06/1996 Thru: 09/03/1996 Sampler Type: A
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Species Name / ODNR status	IBI Grp	Feed Guild	Breed Guild	Tol	# of Fish	Relative Number	% by Number	Relative Weight	% by Weight	Ave(gm) Weight
Northern Hog Sucker	R	I	S	M	68	68.00	21.86	7.42	9.85	109.07
White Sucker	W	O	S	T	57	57.00	18.33	6.10	8.09	106.97
Common Carp	G	O	M	T	25	25.00	8.04	56.61	75.16	2,264.33
Creek Chub	N	G	N	T	5	5.00	1.61	0.32	0.42	63.20
Common Shiner	N	I	S		66	66.00	21.22	0.97	1.28	14.62
Spotfin Shiner	N	I	M		11	11.00	3.54	0.07	0.10	6.56
Bluntnose Minnow	N	O	C	T	4	4.00	1.29	0.02	0.03	5.00
Central Stoneroller	N	H	N		46	46.00	14.79	0.74	0.98	16.03
Yellow Bullhead		I	C	T	12	12.00	3.86	1.35	1.79	112.34
Black Crappie	S	I	C		1	1.00	0.32	0.09	0.12	89.00
Rock Bass	S	C	C		5	5.00	1.61	0.65	0.86	129.60
Smallmouth Bass	F	C	C	M	7	7.00	2.25	0.95	1.26	135.57
Green Sunfish	S	I	C	T	2	2.00	0.64	0.03	0.04	15.50
Pumpkinseed Sunfish	S	I	C	P	2	2.00	0.64	0.02	0.03	12.00
<i>Mile Total</i>					311	311.00		75.32		
<i>Number of Species</i>					14					
<i>Number of Hybrids</i>					0					

Species List

River Code: 19-001 River Mile: 38.60	Stream: Cuyahoga River Basin: Cuyahoga River Time Fished: 877 sec Drain Area: 438.0 sq mi Dist Fished: 1.00 km No of Passes: 2	Sample Date: 1996 Date Range: 08/06/1996 Thru: 09/03/1996 Sampler Type: A
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Species Name / ODNR status	IBI Grp	Feed Guild	Breed Guild	Tol	# of Fish	Relative Number	% by Number	Relative Weight	% by Weight	Ave(gm) Weight
Gizzard Shad		O	M		1	1.00	0.67	0.01	0.05	11.00
Northern Hog Sucker	R	I	S	M	51	51.00	34.23	4.84	21.62	94.87
White Sucker	W	O	S	T	39	39.00	26.17	2.98	13.30	76.31
Common Carp	G	O	M	T	10	10.00	6.71	12.78	57.08	1,277.50
River Chub	N	I	N	I	1	1.00	0.67	0.11	0.47	105.00
Creek Chub	N	G	N	T	3	3.00	2.01	0.17	0.74	55.00
Common Shiner	N	I	S		23	23.00	15.44	0.56	2.52	24.53
Spotfin Shiner	N	I	M		3	3.00	2.01	0.02	0.10	7.67
Central Stoneroller	N	H	N		9	9.00	6.04	0.19	0.85	21.11
Yellow Bullhead		I	C	T	4	4.00	2.68	0.68	3.04	170.00
Green Sunfish	S	I	C	T	1	1.00	0.67	0.01	0.05	11.00
Bluegill Sunfish	S	I	C	P	1	1.00	0.67	0.01	0.03	7.00
Pumpkinseed Sunfish	S	I	C	P	3	3.00	2.01	0.04	0.16	11.67
<i>Mile Total</i>					149	149.00		22.38		
<i>Number of Species</i>					13					
<i>Number of Hybrids</i>					0					

Species List

River Code: 19-001 River Mile: 37.40	Stream: Cuyahoga River Basin: Cuyahoga River Time Fished: 1087 sec Drain Area: 443.0 sq mi Dist Fished: 0.20 km No of Passes: 2	Sample Date: 1996 Date Range: 08/06/1996 Thru: 09/03/1996 Sampler Type: A
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Species Name / ODNR status	IBI Grp	Feed Guild	Breed Guild	Tol	# of Fish	Relative Number	% by Number	Relative Weight	% by Weight	Ave(gm) Weight
Northern Hog Sucker	R	I	S	M	5	25.00	8.93	1.76	2.29	70.40
White Sucker	W	O	S	T	25	125.00	44.64	9.30	12.10	74.40
Common Carp	G	O	M	T	5	25.00	8.93	58.00	75.48	2,320.00
Creek Chub	N	G	N	T	9	45.00	16.07	1.50	1.95	33.33
Common Shiner	N	I	S		6	30.00	10.71	1.40	1.82	46.67
Spotfin Shiner	N	I	M		1	5.00	1.79	0.04	0.05	7.00
Central Stoneroller	N	H	N		1	5.00	1.79	0.05	0.06	9.00
Yellow Bullhead		I	C	T	2	10.00	3.57	4.54	5.91	454.00
Green Sunfish	S	I	C	T	1	5.00	1.79	0.23	0.30	46.00
Pumpkinseed Sunfish	S	I	C	P	1	5.00	1.79	0.03	0.04	6.00
<i>Mile Total</i>					56	280.00		76.84		
<i>Number of Species</i>					10					
<i>Number of Hybrids</i>					0					

Species List

River Code: 19-001 River Mile: 37.20	Stream: Cuyahoga River Basin: Cuyahoga River Time Fished: 2601 sec Drain Area: 443.0 sq mi Dist Fished: 1.00 km No of Passes: 2	Sample Date: 1996 Date Range: 08/06/1996 Thru: 09/03/1996 Sampler Type: A
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Species Name / ODNR status	IBI Grp	Feed Guild	Breed Guild	Tol	# of Fish	Relative Number	% by Number	Relative Weight	% by Weight	Ave(gm) Weight
Northern Hog Sucker	R	I	S	M	44	44.00	33.85	3.78	13.84	85.80
White Sucker	W	O	S	T	43	43.00	33.08	3.68	13.47	85.47
Common Carp	G	O	M	T	8	8.00	6.15	18.65	68.36	2,331.25
River Chub	N	I	N	I	1	1.00	0.77	0.07	0.24	65.00
Creek Chub	N	G	N	T	16	16.00	12.31	0.52	1.90	32.38
Common Shiner	N	I	S		4	4.00	3.08	0.21	0.77	52.50
Spotfin Shiner	N	I	M		1	1.00	0.77	0.01	0.02	5.00
Bluntnose Minnow	N	O	C	T	2	2.00	1.54	0.01	0.03	4.50
Central Stoneroller	N	H	N		7	7.00	5.38	0.11	0.40	15.57
Yellow Bullhead		I	C	T	1	1.00	0.77	0.02	0.07	18.00
Smallmouth Bass	F	C	C	M	1	1.00	0.77	0.23	0.84	230.00
Largemouth Bass	F	C	C		1	1.00	0.77	0.01	0.04	10.00
Bluegill Sunfish	S	I	C	P	1	1.00	0.77	0.01	0.03	8.00
<i>Mile Total</i>					130	130.00		27.28		
<i>Number of Species</i>					13					
<i>Number of Hybrids</i>					0					

Species List

River Code: 19-001 River Mile: 35.30	Stream: Cuyahoga River Basin: Cuyahoga River Time Fished: 3396 sec Drain Area: 477.0 sq mi Dist Fished: 1.00 km No of Passes: 2	Sample Date: 1996 Date Range: 08/06/1996 Thru: 09/03/1996 Sampler Type: A
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Species Name / ODNR status	IBI Grp	Feed Guild	Breed Guild	Tol	# of Fish	Relative Number	% by Number	Relative Weight	% by Weight	Ave(gm) Weight
Northern Pike	F	P	M		1	1.00	0.51	0.19	0.61	185.00
Northern Hog Sucker	R	I	S	M	28	28.00	14.21	2.70	8.95	96.50
White Sucker	W	O	S	T	77	77.00	39.09	7.10	23.50	92.16
Common Carp	G	O	M	T	9	9.00	4.57	17.96	59.47	1,995.00
Creek Chub	N	G	N	T	15	15.00	7.61	0.50	1.67	33.60
Common Shiner	N	I	S		15	15.00	7.61	0.31	1.01	20.40
Spotfin Shiner	N	I	M		8	8.00	4.06	0.06	0.21	7.88
Bluntnose Minnow	N	O	C	T	9	9.00	4.57	0.04	0.12	4.11
Central Stoneroller	N	H	N		26	26.00	13.20	0.60	1.98	23.04
Yellow Bullhead		I	C	T	5	5.00	2.54	0.68	2.26	136.40
Largemouth Bass	F	C	C		1	1.00	0.51	0.01	0.03	10.00
Warmouth Sunfish	S	C	C		1	1.00	0.51	0.01	0.04	11.00
Bluegill Sunfish	S	I	C	P	1	1.00	0.51	0.04	0.13	38.00
Greenside Darter	D	I	S	M	1	1.00	0.51	0.01	0.02	6.00
<i>Mile Total</i>					197	197.00		30.19		
<i>Number of Species</i>					14					
<i>Number of Hybrids</i>					0					

Species List

River Code: 19-001 River Mile: 33.30	Stream: Cuyahoga River Basin: Cuyahoga River Time Fished: 2622 sec Drain Area: 480.0 sq mi Dist Fished: 1.00 km No of Passes: 2	Sample Date: 1996 Date Range: 08/07/1996 Thru: 09/04/1996 Sampler Type: A
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Species Name / ODNR status	IBI Grp	Feed Guild	Breed Guild	Tol	# of Fish	Relative Number	% by Number	Relative Weight	% by Weight	Ave(gm) Weight
White Sucker	W	O	S	T	81	81.00	47.65	7.10	37.45	87.65
Common Carp	G	O	M	T	5	5.00	2.94	9.30	49.05	1,860.00
Creek Chub	N	G	N	T	8	8.00	4.71	0.74	3.90	92.38
Common Shiner	N	I	S		12	12.00	7.06	0.32	1.69	26.67
Spotfin Shiner	N	I	M		4	4.00	2.35	0.08	0.42	20.00
Silverjaw Minnow	N	I	M		16	16.00	9.41	0.06	0.31	3.69
Bluntnose Minnow	N	O	C	T	6	6.00	3.53	0.03	0.13	4.17
Central Stoneroller	N	H	N		28	28.00	16.47	0.06	0.31	2.11
Yellow Bullhead		I	C	T	4	4.00	2.35	0.77	4.06	192.50
Largemouth Bass	F	C	C		4	4.00	2.35	0.48	2.53	120.00
Bluegill Sunfish	S	I	C	P	2	2.00	1.18	0.03	0.15	14.00
<i>Mile Total</i>					170	170.00		18.96		
<i>Number of Species</i>					11					
<i>Number of Hybrids</i>					0					

Species List

River Code: 19-001 River Mile: 27.20	Stream: Cuyahoga River Basin: Cuyahoga River Time Fished: 3132 sec Drain Area: 520.0 sq mi Dist Fished: 1.00 km No of Passes: 2	Sample Date: 1996 Date Range: 08/07/1996 Thru: 09/04/1996 Sampler Type: A
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Species Name / ODNR status	IBI Grp	Feed Guild	Breed Guild	Tol	# of Fish	Relative Number	% by Number	Relative Weight	% by Weight	Ave(gm) Weight
Gizzard Shad		O	M		4	4.00	1.57	0.05	0.09	12.75
Northern Hog Sucker	R	I	S	M	20	20.00	7.84	1.74	3.11	87.04
White Sucker	W	O	S	T	145	145.00	56.86	18.40	32.82	126.90
Common Carp	G	O	M	T	25	25.00	9.80	33.05	58.96	1,322.12
Common Shiner	N	I	S		14	14.00	5.49	0.48	0.85	34.21
Spotfin Shiner	N	I	M		2	2.00	0.78	0.01	0.02	7.00
Bluntnose Minnow	N	O	C	T	1	1.00	0.39	0.00	0.01	3.00
Central Stoneroller	N	H	N		20	20.00	7.84	0.68	1.21	33.95
Yellow Bullhead		I	C	T	4	4.00	1.57	0.78	1.39	195.50
Brown Bullhead		I	C	T	2	2.00	0.78	0.42	0.76	212.00
Bluegill Sunfish	S	I	C	P	7	7.00	2.75	0.28	0.50	40.00
Pumpkinseed Sunfish	S	I	C	P	5	5.00	1.96	0.12	0.21	23.40
Johnny Darter	D	I	C		1	1.00	0.39	0.00	0.00	2.00
Greenside Darter	D	I	S	M	4	4.00	1.57	0.03	0.06	7.75
Fantail Darter	D	I	C		1	1.00	0.39	0.00	0.00	2.00
<i>Mile Total</i>					255	255.00		56.06		
<i>Number of Species</i>					15					
<i>Number of Hybrids</i>					0					

Species List

River Code: 19-001 River Mile: 22.00	Stream: Cuyahoga River Basin: Cuyahoga River Time Fished: 3788 sec Drain Area: 580.0 sq mi Dist Fished: 1.00 km No of Passes: 2	Sample Date: 1996 Date Range: 08/07/1996 Thru: 09/03/1996 Sampler Type: A
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Species Name / ODNR status	IBI Grp	Feed Guild	Breed Guild	Tol	# of Fish	Relative Number	% by Number	Relative Weight	% by Weight	Ave(gm) Weight
Gizzard Shad		O	M		1	1.00	1.37	0.01	0.02	5.00
Northern Pike	F	P	M		1	1.00	1.37	1.50	5.27	1,500.00
White Sucker	W	O	S	T	27	27.00	36.99	3.14	11.04	116.44
Common Carp	G	O	M	T	21	21.00	28.77	23.07	81.00	1,098.33
Common Shiner	N	I	S		10	10.00	13.70	0.35	1.24	35.45
Bluntnose Minnow	N	O	C	T	5	5.00	6.85	0.02	0.05	3.00
Yellow Bullhead		I	C	T	1	1.00	1.37	0.31	1.09	310.00
Largemouth Bass	F	C	C		1	1.00	1.37	0.01	0.04	11.00
Green Sunfish	S	I	C	T	1	1.00	1.37	0.02	0.06	16.00
Bluegill Sunfish	S	I	C	P	1	1.00	1.37	0.02	0.07	20.00
Pumpkinseed Sunfish	S	I	C	P	4	4.00	5.48	0.04	0.12	8.75
<i>Mile Total</i>					73	73.00		28.48		
<i>Number of Species</i>					11					
<i>Number of Hybrids</i>					0					

Species List

River Code: 19-001 River Mile: 16.50	Stream: Cuyahoga River Basin: Cuyahoga River Time Fished: 3748 sec Drain Area: 597.0 sq mi Dist Fished: 1.00 km No of Passes: 2	Sample Date: 1996 Date Range: 08/08/1996 Thru: 09/04/1996 Sampler Type: A
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Species Name / ODNR status	IBI Grp	Feed Guild	Breed Guild	Tol	# of Fish	Relative Number	% by Number	Relative Weight	% by Weight	Ave(gm) Weight
Gizzard Shad		O	M		9	9.00	13.43	1.56	4.74	173.33
Quillback Carpsucker	C	O	M		1	1.00	1.49	0.46	1.40	460.00
Golden Redhorse	R	I	S	M	2	2.00	2.99	1.31	3.98	655.00
Northern Hog Sucker	R	I	S	M	3	3.00	4.48	0.35	1.05	115.67
White Sucker	W	O	S	T	11	11.00	16.42	2.09	6.36	190.36
Common Carp	G	O	M	T	19	19.00	28.36	24.20	73.47	1,273.68
Common Shiner	N	I	S		4	4.00	5.97	0.01	0.02	2.00
Spotfin Shiner	N	I	M		4	4.00	5.97	0.03	0.09	7.75
Bluntnose Minnow	N	O	C	T	1	1.00	1.49	0.00	0.00	1.00
Channel Catfish	F		C		3	3.00	4.48	1.74	5.29	580.33
White Crappie	S	I	C		1	1.00	1.49	0.10	0.29	95.00
Smallmouth Bass	F	C	C	M	7	7.00	10.45	1.02	3.09	145.29
Bluegill Sunfish	S	I	C	P	1	1.00	1.49	0.05	0.16	53.00
Hybrid X Sunfish					1	1.00	1.49	0.02	0.07	22.00
<i>Mile Total</i>					67	67.00		32.94		
<i>Number of Species</i>					13					
<i>Number of Hybrids</i>					1					

Species List

River Code: 19-001 River Mile: 15.90	Stream: Cuyahoga River Basin: Cuyahoga River Time Fished: 3956 sec Drain Area: 694.0 sq mi Dist Fished: 1.00 km No of Passes: 2	Sample Date: 1996 Date Range: 08/08/1996 Thru: 09/05/1996 Sampler Type: A
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Species Name / ODNR status	IBI Grp	Feed Guild	Breed Guild	Tol	# of Fish	Relative Number	% by Number	Relative Weight	% by Weight	Ave(gm) Weight
Gizzard Shad		O	M		17	17.00	16.19	2.33	4.52	136.76
Bigmouth Buffalo	C	I	M		1	1.00	0.95	0.63	1.21	625.00
Golden Redhorse	R	I	S	M	1	1.00	0.95	0.01	0.01	5.00
Northern Hog Sucker	R	I	S	M	8	8.00	7.62	1.07	2.07	133.13
White Sucker	W	O	S	T	9	9.00	8.57	1.53	2.98	170.22
Common Carp	G	O	M	T	31	31.00	29.52	38.43	74.65	1,239.52
Emerald Shiner	N	I	S		1	1.00	0.95	0.01	0.01	7.00
Common Shiner	N	I	S		2	2.00	1.90	0.00	0.01	1.50
Spotfin Shiner	N	I	M		5	5.00	4.76	0.03	0.06	6.20
Bluntnose Minnow	N	O	C	T	1	1.00	0.95	0.00	0.00	1.00
Channel Catfish	F		C		2	2.00	1.90	2.20	4.26	1,097.50
White Crappie	S	I	C		2	2.00	1.90	0.15	0.30	77.00
Rock Bass	S	C	C		2	2.00	1.90	0.23	0.44	112.50
Smallmouth Bass	F	C	C	M	10	10.00	9.52	2.36	4.58	235.90
Largemouth Bass	F	C	C		1	1.00	0.95	0.00	0.01	4.00
Warmouth Sunfish	S	C	C		2	2.00	1.90	0.06	0.12	30.50
Bluegill Sunfish	S	I	C	P	7	7.00	6.67	0.21	0.41	30.43
Pumpkinseed Sunfish	S	I	C	P	1	1.00	0.95	0.01	0.02	10.00
Hybrid X Sunfish					1	1.00	0.95	0.04	0.07	35.00
Freshwater Drum			M	P	1	1.00	0.95	2.20	4.27	2,200.00
<i>Mile Total</i>					105	105.00		51.48		
<i>Number of Species</i>					19					
<i>Number of Hybrids</i>					1					

Species List

River Code: 19-001 River Mile: 11.50	Stream: Cuyahoga River Basin: Cuyahoga River Time Fished: 3487 sec Drain Area: 710.0 sq mi Dist Fished: 1.00 km No of Passes: 2	Sample Date: 1996 Date Range: 07/24/1996 Thru: 10/08/1996 Sampler Type: A
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Species Name / ODNR status	IBI Grp	Feed Guild	Breed Guild	Tol	# of Fish	Relative Number	% by Number	Relative Weight	% by Weight	Ave(gm) Weight
Gizzard Shad		O	M		15	15.00	9.55	1.36	2.53	90.80
Rainbow Trout	E		N		1	1.00	0.64	2.70	5.01	2,700.00
Northern Pike	F	P	M		1	1.00	0.64	1.40	2.60	1,400.00
Shorthead Redhorse	R	I	S	M	1	1.00	0.64	0.11	0.20	110.00
Northern Hog Sucker	R	I	S	M	20	20.00	12.74	2.92	5.42	146.20
White Sucker	W	O	S	T	35	35.00	22.29	3.25	6.03	92.95
Common Carp	G	O	M	T	22	22.00	14.01	39.10	72.52	1,777.27
Golden Shiner	N	I	M	T	1	1.00	0.64	0.01	0.01	6.00
Creek Chub	N	G	N	T	1	1.00	0.64	0.00	0.00	1.00
Emerald Shiner	N	I	S		3	3.00	1.91	0.01	0.01	2.33
Spotfin Shiner	N	I	M		6	6.00	3.82	0.04	0.07	6.17
Sand Shiner	N	I	M	M	5	5.00	3.18	0.01	0.02	2.60
Bluntnose Minnow	N	O	C	T	10	10.00	6.37	0.03	0.05	2.90
Central Stoneroller	N	H	N		25	25.00	15.92	0.07	0.13	2.76
Channel Catfish	F		C		3	3.00	1.91	2.19	4.06	729.67
Yellow Bullhead		I	C	T	1	1.00	0.64	0.28	0.52	282.00
White Perch	E		M		1	1.00	0.64	0.08	0.15	82.00
Black Crappie	S	I	C		1	1.00	0.64	0.08	0.14	75.00
Smallmouth Bass	F	C	C	M	2	2.00	1.27	0.24	0.45	121.00
Largemouth Bass	F	C	C		1	1.00	0.64	0.01	0.01	8.00
Bluegill Sunfish	S	I	C	P	2	2.00	1.27	0.03	0.06	15.00
<i>Mile Total</i>					157	157.00		53.92		
<i>Number of Species</i>					21					
<i>Number of Hybrids</i>					0					

Species List

River Code: 19-001 River Mile: 10.40	Stream: Cuyahoga River Basin: Cuyahoga River Time Fished: 836 sec Drain Area: 731.0 sq mi Dist Fished: 0.20 km No of Passes: 2	Sample Date: 1996 Date Range: 07/24/1996 Thru: 10/08/1996 Sampler Type: A
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Species Name / ODNR status	IBI Grp	Feed Guild	Breed Guild	Tol	# of Fish	Relative Number	% by Number	Relative Weight	% by Weight	Ave(gm) Weight
Gizzard Shad		O	M		1	5.00	1.92	0.18	1.23	36.00
Northern Hog Sucker	R	I	S	M	14	70.00	26.92	3.74	25.58	53.43
Common Carp	G	O	M	T	1	5.00	1.92	10.00	68.40	2,000.00
Emerald Shiner	N	I	S		5	25.00	9.62	0.07	0.44	2.60
Sand Shiner	N	I	M	M	28	140.00	53.85	0.29	1.98	2.07
Bluntnose Minnow	N	O	C	T	2	10.00	3.85	0.02	0.10	1.50
Black Crappie	S	I	C		1	5.00	1.92	0.33	2.26	66.00
<i>Mile Total</i>					52	260.00		14.62		
<i>Number of Species</i>					7					
<i>Number of Hybrids</i>					0					

Species List

River Code: 19-001 River Mile: 9.60	Stream: Cuyahoga River Basin: Cuyahoga River Time Fished: 4342 sec Drain Area: 733.0 sq mi Dist Fished: 1.00 km No of Passes: 2	Sample Date: 1996 Date Range: 07/24/1996 Thru: 10/08/1996 Sampler Type: A
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Species Name / ODNR status	IBI Grp	Feed Guild	Breed Guild	Tol	# of Fish	Relative Number	% by Number	Relative Weight	% by Weight	Ave(gm) Weight
Gizzard Shad		O	M		5	5.00	5.95	0.88	1.43	175.60
Northern Hog Sucker	R	I	S	M	9	9.00	10.71	1.37	2.23	151.67
White Sucker	W	O	S	T	20	20.00	23.81	3.37	5.50	168.43
Common Carp	G	O	M	T	21	21.00	25.00	52.90	86.30	2,519.05
Goldfish	G	O	M	T	1	1.00	1.19	0.25	0.41	254.00
Golden Shiner	N	I	M	T	1	1.00	1.19	0.01	0.02	10.00
Emerald Shiner	N	I	S		8	8.00	9.52	0.01	0.02	1.50
Common Shiner	N	I	S		1	1.00	1.19	0.00	0.00	1.00
Spotfin Shiner	N	I	M		2	2.00	2.38	0.00	0.01	2.00
Channel Catfish	F		C		1	1.00	1.19	0.60	0.99	604.00
Yellow Bullhead		I	C	T	9	9.00	10.71	1.28	2.08	141.78
Smallmouth Bass	F	C	C	M	2	2.00	2.38	0.32	0.52	160.00
Green Sunfish	S	I	C	T	2	2.00	2.38	0.21	0.34	104.00
Hybrid X Sunfish					2	2.00	2.38	0.10	0.16	49.50
<i>Mile Total</i>					84	84.00		61.30		
<i>Number of Species</i>					13					
<i>Number of Hybrids</i>					1					

Species List

River Code: 19-001 River Mile: 8.30	Stream: Cuyahoga River Basin: Cuyahoga River Time Fished: 4338 sec Drain Area: 743.0 sq mi Dist Fished: 1.00 km No of Passes: 2	Sample Date: 1996 Date Range: 08/12/1996 Thru: 10/08/1996 Sampler Type: A
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Species Name / ODNR status	IBI Grp	Feed Guild	Breed Guild	Tol	# of Fish	Relative Number	% by Number	Relative Weight	% by Weight	Ave(gm) Weight
Gizzard Shad		O	M		32	32.00	23.19	2.66	3.90	83.13
Shorthead Redhorse	R	I	S	M	1	1.00	0.72	0.01	0.01	5.00
Northern Hog Sucker	R	I	S	M	4	4.00	2.90	0.43	0.62	106.25
White Sucker	W	O	S	T	24	24.00	17.39	5.00	7.33	208.17
Common Carp	G	O	M	T	28	28.00	20.29	55.57	81.49	1,984.54
Goldfish	G	O	M	T	2	2.00	1.45	0.70	1.03	350.00
Golden Shiner	N	I	M	T	3	3.00	2.17	0.01	0.01	3.00
Emerald Shiner	N	I	S		7	7.00	5.07	0.01	0.02	1.71
Striped Shiner	N	I	S		4	4.00	2.90	0.01	0.02	3.00
Spotfin Shiner	N	I	M		17	17.00	12.32	0.09	0.12	5.00
Sand Shiner	N	I	M	M	2	2.00	1.45	0.00	0.00	1.50
Bluntnose Minnow	N	O	C	T	3	3.00	2.17	0.01	0.01	2.67
Central Stoneroller	N	H	N		3	3.00	2.17	0.00	0.00	0.67
Common Carp X Goldfish	G	O		T	1	1.00	0.72	2.20	3.23	2,200.00
Yellow Bullhead		I	C	T	4	4.00	2.90	0.60	0.88	150.00
Rock Bass	S	C	C		1	1.00	0.72	0.14	0.20	139.00
Smallmouth Bass	F	C	C	M	1	1.00	0.72	0.12	0.17	115.00
Freshwater Drum			M	P	1	1.00	0.72	0.65	0.95	650.00
<i>Mile Total</i>					138	138.00		68.19		
<i>Number of Species</i>					17					
<i>Number of Hybrids</i>					1					

Species List

River Code: 19-001 River Mile: 7.20	Stream: Cuyahoga River Basin: Cuyahoga River Time Fished: 2039 sec Drain Area: 786.0 sq mi Dist Fished: 0.65 km No of Passes: 2	Sample Date: 1996 Date Range: 08/12/1996 Thru: 10/08/1996 Sampler Type: A
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Species Name / ODNR status	IBI Grp	Feed Guild	Breed Guild	Tol	# of Fish	Relative Number	% by Number	Relative Weight	% by Weight	Ave(gm) Weight
Gizzard Shad		O	M		193	494.00	74.17	8.96	3.01	15.17
Northern Hog Sucker	R	I	S	M	6	13.00	1.95	1.62	0.54	117.00
White Sucker	W	O	S	T	16	41.67	6.26	17.86	6.01	417.94
Common Carp	G	O	M	T	33	70.33	10.56	267.46	89.96	3,818.76
Emerald Shiner	N	I	S		3	3.00	0.45	0.02	0.01	5.00
Striped Shiner	N	I	S		10	33.33	5.01	0.06	0.02	1.70
Spotfin Shiner	N	I	M		2	2.00	0.30	0.01	0.00	4.00
Bluntnose Minnow	N	O	C	T	1	1.00	0.15	0.01	0.00	5.00
Smallmouth Bass	F	C	C	M	2	4.33	0.65	1.14	0.38	211.50
Bluegill Sunfish	S	I	C	P	1	3.33	0.50	0.17	0.06	52.00
<i>Mile Total</i>					267	666.00		297.30		
<i>Number of Species</i>					10					
<i>Number of Hybrids</i>					0					

Species List

River Code: 19-001 River Mile: 5.60	Stream: Cuyahoga River Basin: Cuyahoga River Time Fished: 5427 sec Drain Area: 788.0 sq mi Dist Fished: 1.00 km No of Passes: 2	Sample Date: 1996 Date Range: 07/31/1996 Thru: 09/12/1996 Sampler Type: O
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Species Name / ODNR status	IBI Grp	Feed Guild	Breed Guild	Tol	# of Fish	Relative Number	% by Number	Relative Weight	% by Weight	Ave(gm) Weight
Gizzard Shad		O	M		146	146.00	56.15	2.01	1.24	13.75
Smallmouth Buffalo	C	I	M		2	2.00	0.77	3.80	2.35	1,900.00
White Sucker	W	O	S	T	6	6.00	2.31	0.99	0.61	165.00
Common Carp	G	O	M	T	43	43.00	16.54	148.84	92.11	3,461.40
Goldfish	G	O	M	T	2	2.00	0.77	1.13	0.70	567.00
Golden Shiner	N	I	M	T	1	1.00	0.38	0.01	0.00	6.00
Creek Chub	N	G	N	T	1	1.00	0.38	0.00	0.00	4.00
Emerald Shiner	N	I	S		1	1.00	0.38	0.01	0.00	6.00
Common Shiner	N	I	S		1	1.00	0.38	0.00	0.00	4.00
Channel Catfish	F		C		1	1.00	0.38	0.35	0.22	350.00
White Bass	F	P	M		2	2.00	0.77	0.08	0.05	42.00
White Perch	E		M		5	5.00	1.92	0.31	0.19	62.00
Rock Bass	S	C	C		5	5.00	1.92	0.95	0.59	189.20
Smallmouth Bass	F	C	C	M	1	1.00	0.38	0.14	0.09	138.00
Largemouth Bass	F	C	C		2	2.00	0.77	0.05	0.03	23.00
Warmouth Sunfish	S	C	C		7	7.00	2.69	0.24	0.15	34.29
Green Sunfish	S	I	C	T	2	2.00	0.77	0.08	0.05	39.50
Bluegill Sunfish	S	I	C	P	8	8.00	3.08	0.24	0.15	30.00
Pumpkinseed Sunfish	S	I	C	P	16	16.00	6.15	0.73	0.45	45.38
Bluegill X Pumpkinseed					1	1.00	0.38	0.09	0.06	90.00
Freshwater Drum			M	P	7	7.00	2.69	1.55	0.96	221.43
<i>Mile Total</i>					260	260.00		161.59		
<i>Number of Species</i>					20					
<i>Number of Hybrids</i>					1					

Species List

River Code: 19-001 River Mile: 4.80	Stream: Cuyahoga River Basin: Cuyahoga River Time Fished: 2600 sec Drain Area: 796.0 sq mi Dist Fished: 1.00 km No of Passes: 2	Sample Date: 1996 Date Range: 07/31/1996 Thru: 09/12/1996 Sampler Type: O
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Species Name / ODNR status	IBI Grp	Feed Guild	Breed Guild	Tol	# of Fish	Relative Number	% by Number	Relative Weight	% by Weight	Ave(gm) Weight
Gizzard Shad		O	M		131	131.00	83.97	0.92	45.64	6.99
Common Carp	G	O	M	T	2	2.00	1.28	0.46	23.12	232.00
Goldfish	G	O	M	T	1	1.00	0.64	0.03	1.59	32.00
Creek Chub	N	G	N	T	1	1.00	0.64	0.01	0.30	6.00
Emerald Shiner	N	I	S		1	1.00	0.64	0.01	0.30	6.00
Bluntnose Minnow	N	O	C	T	1	1.00	0.64	0.00	0.20	4.00
Yellow Bullhead		I	C	T	1	1.00	0.64	0.01	0.30	6.00
White Bass	F	P	M		3	3.00	1.92	0.20	9.72	65.00
White Perch	E		M		8	8.00	5.13	0.27	13.25	33.25
White Crappie	S	I	C		1	1.00	0.64	0.01	0.30	6.00
Largemouth Bass	F	C	C		1	1.00	0.64	0.01	0.40	8.00
Green Sunfish	S	I	C	T	1	1.00	0.64	0.06	2.99	60.00
Bluegill Sunfish	S	I	C	P	2	2.00	1.28	0.00	0.10	1.00
Pumpkinseed Sunfish	S	I	C	P	1	1.00	0.64	0.01	0.50	10.00
Freshwater Drum			M	P	1	1.00	0.64	0.03	1.30	26.00
<i>Mile Total</i>					156	156.00		2.01		
<i>Number of Species</i>					15					
<i>Number of Hybrids</i>					0					

Species List

River Code: 19-001	Stream: Cuyahoga River	Sample Date: 1996
River Mile: 4.20	Basin: Cuyahoga River	Date Range: 08/21/1996
	Time Fished: 6503 sec	Drain Area: 796.0 sq mi
	Dist Fished: 0.95 km	No of Passes: 2
		Thru: 09/24/1996
		Sampler Type: O

Species Name / ODNR status	IBI Grp	Feed Guild	Breed Guild	Tol	# of Fish	Relative Number	% by Number	Relative Weight	% by Weight	Ave(gm) Weight
Gizzard Shad		O	M		445	448.00	57.94	0.57	1.22	1.23
Common Carp	G	O	M	T	25	27.00	3.49	35.15	74.99	1,300.64
Goldfish	G	O	M	T	2	2.11	0.27	2.12	4.52	1,000.00
Golden Shiner	N	I	M	T	2	2.11	0.27	0.02	0.04	10.00
Emerald Shiner	N	I	S		177	196.44	25.41	0.26	0.55	1.33
Spotfin Shiner	N	I	M		1	1.11	0.14	0.00	0.00	1.00
Bluntnose Minnow	N	O	C	T	1	1.11	0.14	0.00	0.00	2.00
Yellow Bullhead		I	C	T	5	5.56	0.72	1.07	2.28	192.80
Brown Bullhead		I	C	T	8	8.89	1.15	4.67	9.95	525.00
Brook Silverside		I	M	M	1	1.00	0.13	0.00	0.00	2.00
White Bass	F	P	M		1	1.11	0.14	0.20	0.43	180.00
White Perch	E		M		19	20.11	2.60	0.11	0.23	5.37
Rock Bass	S	C	C		3	3.11	0.40	0.28	0.59	92.00
Smallmouth Bass	F	C	C	M	1	1.11	0.14	0.01	0.01	6.00
Largemouth Bass	F	C	C		3	3.33	0.43	0.25	0.54	75.67
Warmouth Sunfish	S	C	C		3	3.22	0.42	0.07	0.14	20.67
Green Sunfish	S	I	C	T	7	7.44	0.96	0.17	0.36	22.29
Bluegill Sunfish	S	I	C	P	8	8.56	1.11	0.30	0.63	34.25
Pumpkinseed Sunfish	S	I	C	P	21	22.33	2.89	1.27	2.70	56.48
Bluegill X Pumpkinseed					2	2.11	0.27	0.20	0.43	93.00
Green Sf X Bluegill					4	4.22	0.55	0.15	0.32	35.00
Yellow Perch			M		1	1.11	0.14	0.01	0.01	6.00
Logperch	D	I	S	M	1	1.11	0.14	0.01	0.01	6.00
Freshwater Drum			M	P	1	1.00	0.13	0.01	0.02	10.00
<i>Mile Total</i>					742	773.22		46.88		
<i>Number of Species</i>					22					
<i>Number of Hybrids</i>					2					

Species List

River Code: 19-001 River Mile: 3.10	Stream: Cuyahoga River Basin: Cuyahoga River Time Fished: 4532 sec Drain Area: 805.0 sq mi Dist Fished: 1.00 km No of Passes: 2	Sample Date: 1996 Date Range: 07/30/1996 Thru: 09/24/1996 Sampler Type: O
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Species Name / ODNR status	IBI Grp	Feed Guild	Breed Guild	Tol	# of Fish	Relative Number	% by Number	Relative Weight	% by Weight	Ave(gm) Weight
Gizzard Shad		O	M		41	41.00	32.03	1.07	84.61	26.15
Golden Shiner	N	I	M	T	1	1.00	0.78	0.02	1.42	18.00
Emerald Shiner	N	I	S		76	76.00	59.38	0.12	9.55	1.59
Fathead Minnow	N	O	C	T	1	1.00	0.78	0.00	0.32	4.00
Brook Silverside		I	M	M	1	1.00	0.78	0.01	0.47	6.00
White Bass	F	P	M		2	2.00	1.56	0.02	1.42	9.00
White Perch	E		M		6	6.00	4.69	0.03	2.21	4.67
<i>Mile Total</i>					128	128.00		1.27		
<i>Number of Species</i>					7					
<i>Number of Hybrids</i>					0					

Species List

River Code: 19-001 River Mile: 1.30	Stream: Cuyahoga River Basin: Cuyahoga River Time Fished: 6351 sec Drain Area: 807.0 sq mi Dist Fished: 1.00 km No of Passes: 2	Sample Date: 1996 Date Range: 07/29/1996 Thru: 09/24/1996 Sampler Type: O
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Species Name / ODNR status	IBI Grp	Feed Guild	Breed Guild	Tol	# of Fish	Relative Number	% by Number	Relative Weight	% by Weight	Ave(gm) Weight
Gizzard Shad		O	M		21	21.00	14.69	0.12	1.17	5.78
White Sucker	W	O	S	T	7	7.00	4.90	0.08	0.78	11.57
Goldfish	G	O	M	T	1	1.00	0.70	0.02	0.22	23.00
Golden Shiner	N	I	M	T	2	2.00	1.40	0.02	0.15	8.00
Emerald Shiner	N	I	S		47	47.00	32.87	0.07	0.72	1.58
Spottail Shiner	N	I	M	P	2	2.00	1.40	0.01	0.06	3.00
Sand Shiner	N	I	M	M	1	1.00	0.70	0.00	0.03	3.00
Bluntnose Minnow	N	O	C	T	3	3.00	2.10	0.01	0.07	2.33
Channel Catfish	F		C		1	1.00	0.70	0.00	0.01	1.00
Yellow Bullhead		I	C	T	1	1.00	0.70	0.14	1.39	144.00
Brown Bullhead		I	C	T	13	13.00	9.09	7.91	76.36	608.46
Brook Silverside		I	M	M	1	1.00	0.70	0.00	0.02	2.00
White Bass	F	P	M		3	3.00	2.10	0.08	0.79	27.33
White Perch	E		M		33	33.00	23.08	0.18	1.78	5.58
Black Crappie	S	I	C		1	1.00	0.70	0.17	1.62	168.00
Largemouth Bass	F	C	C		5	5.00	3.50	1.47	14.21	294.40
Pumpkinseed Sunfish	S	I	C	P	1	1.00	0.70	0.06	0.62	64.00
<i>Mile Total</i>					143	143.00		10.36		
<i>Number of Species</i>					17					
<i>Number of Hybrids</i>					0					

Species List

River Code: 19-001 River Mile: 0.50	Stream: Cuyahoga River Basin: Cuyahoga River Time Fished: 5733 sec Drain Area: 809.0 sq mi Dist Fished: 1.00 km No of Passes: 2	Sample Date: 1996 Date Range: 08/21/1996 Thru: 09/25/1996 Sampler Type: O P
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Species Name / ODNR status	IBI Grp	Feed Guild	Breed Guild	Tol	# of Fish	Relative Number	% by Number	Relative Weight	% by Weight	Ave(gm) Weight
Gizzard Shad		O	M		233	233.00	36.01	0.26	2.82	1.10
Common Carp	G	O	M	T	3	3.00	0.46	4.40	48.62	1,466.67
Emerald Shiner	N	I	S		295	295.00	45.60	0.28	3.04	0.93
Spottail Shiner	N	I	M	P	1	1.00	0.15	0.00	0.02	2.00
Common Carp X Goldfish	G	O		T	2	2.00	0.31	2.50	27.62	1,250.00
Brook Silverside		I	M	M	1	1.00	0.15	0.00	0.02	2.00
White Bass	F	P	M		29	29.00	4.48	0.07	0.77	2.41
White Perch	E		M		64	64.00	9.89	0.24	2.64	3.74
Largemouth Bass	F	C	C		3	3.00	0.46	0.10	1.05	31.67
Pumpkinseed Sunfish	S	I	C	P	16	16.00	2.47	1.21	13.39	75.75
<i>Mile Total</i>					647	647.00		9.05		
<i>Number of Species</i>					9					
<i>Number of Hybrids</i>					1					

Species List

River Code: 19-001 Mile Range: 0.50 Thru: 90.90	Stream: Cuyahoga River Basin: Cuyahoga River Time Fished: 146448 sec Dist Fished: 33.45 km No of Passes: 79	River Segment Totals Date Range: 07/15/1996 Thru: 10/08/1996 Sampler Type: O P A D E
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Species Name / ODNR status	IBI Grp	Feed Guild	Breed Guild	Tol	# of Fish	Relative Number	% by Number	Relative Weight	% by Weight	Ave(gm) Weight
Gizzard Shad		O	M		1,445	46.56	17.61	0.71	1.24	13.78
Rainbow Trout	E		N		1	0.03	0.01	0.07	0.12	2,700.00
Central Mudminnow		I	C	T	2	0.04	0.01	0.00	0.00	4.50
Grass Pickerel		P	M	P	54	1.23	0.46	0.03	0.06	27.56
Northern Pike	F	P	M		30	0.71	0.27	0.55	0.97	779.40
Bigmouth Buffalo	C	I	M		1	0.03	0.01	0.02	0.03	625.00
Smallmouth Buffalo	C	I	M		2	0.05	0.02	0.10	0.17	1,900.00
Quillback Carpsucker	C	O	M		1	0.03	0.01	0.01	0.02	460.00
Silver Redhorse	R	I	S	M	5	0.13	0.05	0.00	0.00	15.00
Golden Redhorse	R	I	S	M	164	3.61	1.36	1.81	3.19	494.91
Shorthead Redhorse	R	I	S	M	2	0.05	0.02	0.00	0.01	57.50
Northern Hog Sucker	R	I	S	M	513	14.65	5.54	1.90	3.35	142.41
White Sucker	W	O	S	T	1,018	28.84	10.91	6.73	11.86	241.84
Spotted Sucker	R	I	S		148	3.66	1.38	1.06	1.86	285.09
Common Carp	G	O	M	T	519	14.99	5.67	37.62	66.33	2,407.71
Goldfish	G	O	M	T	9	0.23	0.09	0.11	0.19	460.33
Golden Shiner	N	I	M	T	37	0.89	0.34	0.01	0.01	7.78
Hornyhead Chub	N	I	N	I	24	0.61	0.23	0.03	0.05	42.29
River Chub	N	I	N	I	53	1.07	0.40	0.05	0.08	43.67
Creek Chub	N	G	N	T	95	3.25	1.23	0.13	0.22	40.57
Emerald Shiner	N	I	S		625	16.84	6.37	0.02	0.04	1.26
Rosyface Shiner	N	I	S	I	3	0.06	0.02	0.00	0.00	2.67
Striped Shiner	N	I	S		14	0.95	0.36	0.00	0.00	2.07
Common Shiner	N	I	S		857	21.30	8.05	0.32	0.57	14.17
Spottail Shiner	N	I	M	P	3	0.08	0.03	0.00	0.00	2.67
Spotfin Shiner	N	I	M		85	2.25	0.85	0.01	0.03	6.61
Sand Shiner	N	I	M	M	36	3.75	1.42	0.01	0.01	2.14
Silverjaw Minnow	N	I	M		16	0.41	0.15	0.00	0.00	3.69
Fathead Minnow	N	O	C	T	1	0.03	0.01	0.00	0.00	4.00
Bluntnose Minnow	N	O	C	T	304	7.46	2.82	0.02	0.04	3.25
Central Stoneroller	N	H	N		1,367	34.35	12.99	1.17	2.06	33.87
Common Carp X Goldfish	G	O		T	3	0.08	0.03	0.12	0.21	1,566.67
Channel Catfish	F		C		12	0.30	0.11	0.24	0.43	798.33
Yellow Bullhead		I	C	T	180	4.15	1.57	0.66	1.16	138.14
Brown Bullhead		I	C	T	24	0.63	0.24	0.34	0.60	540.79
Black Bullhead		I	C	P	2	0.05	0.02	0.01	0.02	170.00
Brook Silverside		I	M	M	31	0.68	0.26	0.00	0.00	1.68
White Bass	F	P	M		40	1.02	0.38	0.02	0.03	15.73
White Perch	E		M		136	3.47	1.31	0.03	0.05	8.91
White Crappie	S	I	C		14	0.35	0.13	0.01	0.03	40.21
Black Crappie	S	I	C		45	1.19	0.45	0.09	0.15	73.18
Rock Bass	S	C	C		208	4.97	1.88	0.36	0.64	73.51
Smallmouth Bass	F	C	C	M	151	3.72	1.40	0.70	1.23	181.26
Largemouth Bass	F	C	C		187	4.42	1.67	0.68	1.20	146.81

Species List

River: 19-001 Cuyahoga River

Species Name / ODNR status	IBI Grp	Feed Guild	Breed Guild	Tol	# of Fish	Relative Number	% by Number	Relative Weight	% by Weight	Ave(gm) Weight
Warmouth Sunfish	S	C	C		30	0.75	0.28	0.04	0.06	47.63
Green Sunfish	S	I	C	T	49	1.21	0.46	0.03	0.06	23.78
Bluegill Sunfish	S	I	C	P	254	6.22	2.35	0.20	0.35	31.62
Pumpkinseed Sunfish	S	I	C	P	400	10.05	3.80	0.33	0.58	32.62
Bluegill X Pumpkinseed					3	0.08	0.03	0.01	0.01	92.00
Green Sf X Bluegill					4	0.11	0.04	0.00	0.01	35.00
Hybrid X Sunfish					38	0.96	0.36	0.07	0.12	70.39
Jack Dempsey		I	C		1	0.03	0.01	0.00	0.00	85.00
Yellow Perch			M		181	4.39	1.66	0.15	0.27	35.04
Logperch	D	I	S	M	103	2.11	0.80	0.02	0.04	9.58
Johnny Darter	D	I	C		23	0.48	0.18	0.00	0.00	1.39
Greenside Darter	D	I	S	M	159	3.39	1.28	0.02	0.04	6.80
Rainbow Darter	D	I	S	M	16	0.30	0.11	0.00	0.00	2.94
Fantail Darter	D	I	C		43	0.98	0.37	0.00	0.01	4.46
Freshwater Drum			M	P	11	0.28	0.11	0.11	0.20	403.27
<i>Stream Total</i>					9,782	264.45		56.72		
<i>Number of Species</i>					55					
<i>Number of Hybrids</i>					4					

Species List

River Code: 19-005 River Mile: 7.80	Stream: Big Creek Basin: Cuyahoga River Time Fished: 2100 sec Drain Area: 10.9 sq mi Dist Fished: 0.15 km No of Passes: 1	Sample Date: 1996 Date Range: 08/05/1996 Sampler Type: E
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Species Name / ODNR status	IBI Grp	Feed Guild	Breed Guild	Tol	# of Fish	Relative Number	% by Number	Relative Weight	% by Weight	Ave(gm) Weight
White Sucker	W	O	S	T	6	12.00	1.11	0.15	3.30	12.50
Blacknose Dace	N	G	S	T	63	126.00	11.65	0.38	8.40	3.03
Creek Chub	N	G	N	T	153	306.00	28.28	1.80	39.67	5.89
Fathead Minnow	N	O	C	T	3	6.00	0.55	0.01	0.13	1.00
Bluntnose Minnow	N	O	C	T	10	20.00	1.85	0.08	1.72	3.89
Central Stoneroller	N	H	N		305	610.00	56.38	2.12	46.73	3.48
Yellow Bullhead		I	C	T	1	2.00	0.18	0.00	0.04	1.00
<i>Mile Total</i>					541	1,082.00		4.55		
<i>Number of Species</i>					7					
<i>Number of Hybrids</i>					0					

Species List

River Code: 19-005 River Mile: 3.10	Stream: Big Creek Basin: Cuyahoga River Time Fished: 1800 sec Drain Area: 35.0 sq mi Dist Fished: 0.16 km No of Passes: 1	Sample Date: 1996 Date Range: 08/08/1996 Sampler Type: E
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Species Name / ODNR status	IBI	Feed	Breed		# of	Relative	% by	Relative	% by	Ave(gm)
	Grp	Guild	Guild	Tol	Fish	Number	Number	Weight	Weight	Weight
White Sucker	W	O	S	T	2	3.75	0.47	0.13	3.60	35.00
Blacknose Dace	N	G	S	T	2	3.75	0.47	0.02	0.52	5.00
Creek Chub	N	G	N	T	38	71.25	8.86	0.84	23.21	11.84
Fathead Minnow	N	O	C	T	1	1.88	0.23	0.01	0.17	3.00
Bluntnose Minnow	N	O	C	T	11	20.63	2.56	0.09	2.59	4.55
Central Stoneroller	N	H	N		374	701.25	87.18	2.54	69.72	3.62
Yellow Bullhead		I	C	T	1	1.88	0.23	0.01	0.22	4.00
<i>Mile Total</i>					429	804.38		3.64		
<i>Number of Species</i>					7					
<i>Number of Hybrids</i>					0					

Species List

River Code: 19-005 River Mile: 0.20	Stream: Big Creek Basin: Cuyahoga River Time Fished: 2700 sec Drain Area: 38.1 sq mi Dist Fished: 0.12 km No of Passes: 1	Sample Date: 1996 Date Range: 07/25/1996 Sampler Type: E
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Species Name / ODNR status	IBI Grp	Feed Guild	Breed Guild	Tol	# of Fish	Relative Number	% by Number	Relative Weight	% by Weight	Ave(gm) Weight
White Sucker	W	O	S	T	10	25.00	3.09	0.02	0.89	0.80
Common Carp	G	O	M	T	6	15.00	1.85	0.05	2.24	3.33
Creek Chub	N	G	N	T	9	22.50	2.78	0.05	2.24	2.22
Central Stoneroller	N	H	N		288	720.00	88.89	1.34	59.99	1.86
Yellow Bullhead		I	C	T	6	15.00	1.85	0.14	6.03	9.00
Largemouth Bass	F	C	C		1	2.50	0.31	0.02	0.67	6.00
Bluegill Sunfish	S	I	C	P	1	2.50	0.31	0.20	8.72	78.00
Pumpkinseed Sunfish	S	I	C	P	3	7.50	0.93	0.43	19.22	57.33
<i>Mile Total</i>					324	810.00		2.24		
<i>Number of Species</i>					8					
<i>Number of Hybrids</i>					0					

Species List

River Code: 19-005 Mile Range: 0.20 Thru: 7.80	Stream: Big Creek Basin: Cuyahoga River Time Fished: 6600 sec Dist Fished: 0.43 km No of Passes: 3	River Segment Totals Date Range: 07/25/1996 Thru: 08/08/1996 Sampler Type: E
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Species Name / ODNR status	IBI Grp	Feed Guild	Breed Guild	Tol	# of Fish	Relative Number	% by Number	Relative Weight	% by Weight	Ave(gm) Weight
White Sucker	W	O	S	T	18	13.58	1.51	0.10	2.89	8.50
Common Carp	G	O	M	T	6	5.00	0.56	0.02	0.48	3.33
Blacknose Dace	N	G	S	T	65	43.25	4.81	0.13	3.85	3.09
Creek Chub	N	G	N	T	200	133.25	14.83	0.90	25.89	6.86
Fathead Minnow	N	O	C	T	4	2.63	0.29	0.00	0.12	1.50
Bluntnose Minnow	N	O	C	T	21	13.54	1.51	0.06	1.65	4.23
Central Stoneroller	N	H	N		967	677.08	75.33	2.00	57.60	3.05
Yellow Bullhead		I	C	T	8	6.29	0.70	0.05	1.39	7.38
Largemouth Bass	F	C	C		1	0.83	0.09	0.01	0.14	6.00
Bluegill Sunfish	S	I	C	P	1	0.83	0.09	0.07	1.87	78.00
Pumpkinseed Sunfish	S	I	C	P	3	2.50	0.28	0.14	4.13	57.33
<i>Stream Total</i>					1,294	898.79		3.47		
<i>Number of Species</i>					11					
<i>Number of Hybrids</i>					0					

Species List

River Code: 19-006 River Mile: 4.30	Stream: Mill Creek Basin: Cuyahoga River Time Fished: 1800 sec Drain Area: 11.0 sq mi Dist Fished: 0.18 km No of Passes: 1	Sample Date: 1996 Date Range: 07/25/1996 Sampler Type: E
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Species Name / ODNR status	IBI	Feed Grp	Breed Guild	Tol	# of Fish	Relative Number	% by Number	Relative Weight	% by Weight	Ave(gm) Weight
Blacknose Dace	N	G	S	T	6	10.00	8.33	0.07	4.20	6.67
Creek Chub	N	G	N	T	62	103.33	86.11	1.50	93.93	14.52
Fathead Minnow	N	O	C	T	4	6.67	5.56	0.03	1.88	4.50
<i>Mile Total</i>					72	120.00		1.60		
<i>Number of Species</i>					3					
<i>Number of Hybrids</i>					0					

Species List

River Code: 19-006 River Mile: 0.20	Stream: Mill Creek Basin: Cuyahoga River Time Fished: 2100 sec Drain Area: 18.1 sq mi Dist Fished: 0.19 km No of Passes: 1	Sample Date: 1996 Date Range: 07/25/1996 Sampler Type: E
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Species Name / ODNR status	IBI Grp	Feed Guild	Breed Guild	Tol	# of Fish	Relative Number	% by Number	Relative Weight	% by Weight	Ave(gm) Weight
Northern Hog Sucker	R	I	S	M	1	1.58	1.01	0.41	22.49	258.00
White Sucker	W	O	S	T	29	45.79	29.29	0.75	41.44	16.38
Creek Chub	N	G	N	T	17	26.84	17.17	0.29	16.13	10.88
Common Shiner	N	I	S		2	3.16	2.02	0.02	1.16	6.50
Sand Shiner	N	I	M	M	2	3.16	2.02	0.01	0.28	1.50
Bluntnose Minnow	N	O	C	T	19	30.00	19.19	0.09	4.81	2.89
Central Stoneroller	N	H	N		29	45.79	29.29	0.25	13.70	5.42
<i>Mile Total</i>					99	156.32		1.81		
<i>Number of Species</i>					7					
<i>Number of Hybrids</i>					0					

Species List

River Code: 19-006 Mile Range: 0.20 Thru: 4.30	Stream: Mill Creek Basin: Cuyahoga River Time Fished: 3900 sec Dist Fished: 0.37 km No of Passes: 2	River Segment Totals Date Range: 07/25/1996 Sampler Type: E
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Species Name / ODNR status	IBI Grp	Feed Guild	Breed Guild	Tol	# of Fish	Relative Number	% by Number	Relative Weight	% by Weight	Ave(gm) Weight
Northern Hog Sucker	R	I	S	M	1	0.79	0.57	0.20	11.95	258.00
White Sucker	W	O	S	T	29	22.89	16.57	0.38	22.02	16.38
Blacknose Dace	N	G	S	T	6	5.00	3.62	0.03	1.97	6.67
Creek Chub	N	G	N	T	79	65.09	47.11	0.90	52.61	13.73
Common Shiner	N	I	S		2	1.58	1.14	0.01	0.62	6.50
Sand Shiner	N	I	M	M	2	1.58	1.14	0.00	0.15	1.50
Fathead Minnow	N	O	C	T	4	3.33	2.41	0.02	0.88	4.50
Bluntnose Minnow	N	O	C	T	19	15.00	10.86	0.04	2.55	2.89
Central Stoneroller	N	H	N		29	22.89	16.57	0.12	7.28	5.42
<i>Stream Total</i>					171	138.16		1.70		
<i>Number of Species</i>					9					
<i>Number of Hybrids</i>					0					

Species List

River Code: 19-007 River Mile: 0.20	Stream: Tinkers Creek Basin: Cuyahoga River Time Fished: 1560 sec Drain Area: 96.0 sq mi Dist Fished: 0.20 km No of Passes: 1	Sample Date: 1996 Date Range: 08/05/1996 Sampler Type: D
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Species Name / ODNR status	IBI Grp	Feed Guild	Breed Guild	Tol	# of Fish	Relative Number	% by Number	Relative Weight	% by Weight	Ave(gm) Weight
Gizzard Shad		O	M		12	18.00	10.43	0.38	9.42	20.83
Golden Redhorse	R	I	S	M	1	1.50	0.87	0.00	0.05	1.00
Northern Hog Sucker	R	I	S	M	7	10.50	6.09	0.86	21.67	82.14
White Sucker	W	O	S	T	12	18.00	10.43	0.74	18.48	40.91
Common Carp	G	O	M	T	2	3.00	1.74	0.36	8.94	118.50
Blacknose Dace	N	G	S	T	1	1.50	0.87	0.01	0.15	4.00
Creek Chub	N	G	N	T	9	13.50	7.83	0.03	0.63	1.88
Common Shiner	N	I	S		8	12.00	6.96	0.08	2.11	7.00
Spotfin Shiner	N	I	M		4	6.00	3.48	0.04	1.05	7.00
Bluntnose Minnow	N	O	C	T	1	1.50	0.87	0.01	0.15	4.00
Central Stoneroller	N	H	N		40	60.00	34.78	0.50	12.55	8.33
Yellow Bullhead		I	C	T	11	16.50	9.57	0.75	18.83	45.45
Smallmouth Bass	F	C	C	M	1	1.50	0.87	0.14	3.59	95.00
Green Sunfish	S	I	C	T	2	3.00	1.74	0.06	1.58	21.00
Johnny Darter	D	I	C		1	1.50	0.87	0.00	0.08	2.00
Greenside Darter	D	I	S	M	3	4.50	2.61	0.03	0.75	6.67
<i>Mile Total</i>					115	172.50		3.98		
<i>Number of Species</i>					16					
<i>Number of Hybrids</i>					0					

Species List

River Code: 19-009 River Mile: 6.10	Stream: Chippewa Creek Basin: Cuyahoga River Time Fished: 3600 sec Drain Area: 6.3 sq mi Dist Fished: 0.15 km No of Passes: 1	Sample Date: 1996 Date Range: 08/05/1996 Sampler Type: E
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Species Name / ODNR status	IBI Grp	Feed Guild	Breed Guild	Tol	# of Fish	Relative Number	% by Number	Relative Weight	% by Weight	Ave(gm) Weight
White Sucker	W	O	S	T	13	26.00	1.80			
Blacknose Dace	N	G	S	T	216	432.00	29.96			
Creek Chub	N	G	N	T	93	186.00	12.90			
Central Stoneroller	N	H	N		386	772.00	53.54			
Largemouth Bass	F	C	C		1	2.00	0.14			
Green Sunfish	S	I	C	T	9	18.00	1.25			
Bluegill Sunfish	S	I	C	P	3	6.00	0.42			
<i>Mile Total</i>					721	1,442.00				
<i>Number of Species</i>					7					
<i>Number of Hybrids</i>					0					

Species List

River Code: 19-009 River Mile: 3.80	Stream: Chippewa Creek Basin: Cuyahoga River Time Fished: 2400 sec Drain Area: 9.3 sq mi Dist Fished: 0.10 km No of Passes: 1	Sample Date: 1996 Date Range: 08/05/1996 Sampler Type: E
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Species Name / ODNR status	IBI Grp	Feed Guild	Breed Guild	Tol	# of Fish	Relative Number	% by Number	Relative Weight	% by Weight	Ave(gm) Weight
White Sucker	W	O	S	T	3	9.00	1.68			
Blacknose Dace	N	G	S	T	18	54.00	10.06			
Creek Chub	N	G	N	T	139	417.00	77.65			
Central Stoneroller	N	H	N		5	15.00	2.79			
Green Sunfish	S	I	C	T	4	12.00	2.23			
Pumpkinseed Sunfish	S	I	C	P	10	30.00	5.59			
<i>Mile Total</i>					179	537.00				
<i>Number of Species</i>					6					
<i>Number of Hybrids</i>					0					

Species List

River Code: 19-009 River Mile: 0.30	Stream: Chippewa Creek Basin: Cuyahoga River Time Fished: 4200 sec Drain Area: 16.3 sq mi Dist Fished: 0.20 km No of Passes: 1	Sample Date: 1996 Date Range: 08/26/1996 Sampler Type: E
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Species Name / ODNR status	IBI Grp	Feed Guild	Breed Guild	Tol	# of Fish	Relative Number	% by Number	Relative Weight	% by Weight	Ave(gm) Weight
Gizzard Shad		O	M		2	3.00	0.13			
Northern Hog Sucker	R	I	S	M	3	4.50	0.19			
White Sucker	W	O	S	T	75	112.50	4.86			
Common Carp	G	O	M	T	10	15.00	0.65			
Blacknose Dace	N	G	S	T	93	139.50	6.03			
Creek Chub	N	G	N	T	130	195.00	8.43			
Common Shiner	N	I	S		466	699.00	30.20			
Silverjaw Minnow	N	I	M		25	37.50	1.62			
Fathead Minnow	N	O	C	T	5	7.50	0.32			
Bluntnose Minnow	N	O	C	T	88	132.00	5.70			
Central Stoneroller	N	H	N		561	841.50	36.36			
Yellow Bullhead		I	C	T	7	10.50	0.45			
Black Bullhead		I	C	P	2	3.00	0.13			
Green Sunfish	S	I	C	T	5	7.50	0.32			
Bluegill Sunfish	S	I	C	P	5	7.50	0.32			
Pumpkinseed Sunfish	S	I	C	P	2	3.00	0.13			
Johnny Darter	D	I	C		49	73.50	3.18			
Rainbow Darter	D	I	S	M	11	16.50	0.71			
Fantail Darter	D	I	C		4	6.00	0.26			
<i>Mile Total</i>					1,543	2,314.50				
<i>Number of Species</i>					19					
<i>Number of Hybrids</i>					0					

Species List

River Code: 19-009 Mile Range: 0.30 Thru: 6.10	Stream: Chippewa Creek Basin: Cuyahoga River Time Fished: 10200 sec Dist Fished: 0.45 km No of Passes: 3	River Segment Totals Date Range: 08/05/1996 Thru: 08/26/1996 Sampler Type: E
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Species Name / ODNR status	IBI Grp	Feed Guild	Breed Guild	Tol	# of Fish	Relative Number	% by Number	Relative Weight	% by Weight	Ave(gm) Weight
Gizzard Shad		O	M		2	1.00	0.07			
Northern Hog Sucker	R	I	S	M	3	1.50	0.10			
White Sucker	W	O	S	T	91	49.17	3.44			
Common Carp	G	O	M	T	10	5.00	0.35			
Blacknose Dace	N	G	S	T	327	208.50	14.57			
Creek Chub	N	G	N	T	362	266.00	18.59			
Common Shiner	N	I	S		466	233.00	16.28			
Silverjaw Minnow	N	I	M		25	12.50	0.87			
Fathead Minnow	N	O	C	T	5	2.50	0.17			
Bluntnose Minnow	N	O	C	T	88	44.00	3.07			
Central Stoneroller	N	H	N		952	542.83	37.93			
Yellow Bullhead		I	C	T	7	3.50	0.24			
Black Bullhead		I	C	P	2	1.00	0.07			
Largemouth Bass	F	C	C		1	0.67	0.05			
Green Sunfish	S	I	C	T	18	12.50	0.87			
Bluegill Sunfish	S	I	C	P	8	4.50	0.31			
Pumpkinseed Sunfish	S	I	C	P	12	11.00	0.77			
Johnny Darter	D	I	C		49	24.50	1.71			
Rainbow Darter	D	I	S	M	11	5.50	0.38			
Fantail Darter	D	I	C		4	2.00	0.14			
<i>Stream Total</i>					2,443	1,431.17				
<i>Number of Species</i>					20					
<i>Number of Hybrids</i>					0					

Species List

River Code: 19-010 River Mile: 7.00	Stream: Brandywine Creek Basin: Cuyahoga River Time Fished: 1500 sec Drain Area: 9.0 sq mi Dist Fished: 0.15 km No of Passes: 1	Sample Date: 1996 Date Range: 08/02/1996 Sampler Type: D
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Species Name / ODNR status	IBI Grp	Feed Guild	Breed Guild	Tol	# of Fish	Relative Number	% by Number	Relative Weight	% by Weight	Ave(gm) Weight
Central Mudminnow		I	C	T	8	16.00	7.27	0.08	0.99	4.88
White Sucker	W	O	S	T	15	30.00	13.64	4.29	54.34	142.86
Common Carp	G	O	M	T	1	2.00	0.91	1.10	13.95	550.00
Creek Chub	N	G	N	T	25	50.00	22.73	1.40	17.75	28.00
Common Shiner	N	I	S		12	24.00	10.91	0.26	3.32	10.91
Bluntnose Minnow	N	O	C	T	3	6.00	2.73	0.03	0.38	5.00
Central Stoneroller	N	H	N		29	58.00	26.36	0.42	5.32	7.24
Yellow Bullhead		I	C	T	1	2.00	0.91	0.07	0.94	37.00
Largemouth Bass	F	C	C		1	2.00	0.91	0.01	0.13	5.00
Green Sunfish	S	I	C	T	4	8.00	3.64	0.06	0.71	7.00
Bluegill Sunfish	S	I	C	P	4	8.00	3.64	0.11	1.42	14.00
Pumpkinseed Sunfish	S	I	C	P	2	4.00	1.82	0.04	0.46	9.00
Hybrid X Sunfish					2	4.00	1.82	0.02	0.20	4.00
Brook Stickleback		I	C		3	6.00	2.73	0.01	0.10	1.33
<i>Mile Total</i>					110	220.00		7.89		
<i>Number of Species</i>					13					
<i>Number of Hybrids</i>					1					

Species List

River Code: 19-010 River Mile: 0.50	Stream: Brandywine Creek Basin: Cuyahoga River Time Fished: 1200 sec Drain Area: 26.1 sq mi Dist Fished: 0.15 km No of Passes: 1	Sample Date: 1996 Date Range: 08/08/1996 Sampler Type: D
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Species Name / ODNR status	IBI Grp	Feed Guild	Breed Guild	Tol	# of Fish	Relative Number	% by Number	Relative Weight	% by Weight	Ave(gm) Weight
Blacknose Dace	N	G	S	T	9	18.00	13.85	0.09	11.32	5.11
Creek Chub	N	G	N	T	4	8.00	6.15	0.22	26.57	27.00
Redside Dace	N	I	S	I	1	2.00	1.54	0.01	1.48	6.00
Central Stoneroller	N	H	N		50	100.00	76.92	0.48	58.43	4.75
Green Sunfish	S	I	C	T	1	2.00	1.54	0.02	2.21	9.00
<i>Mile Total</i>					65	130.00		0.81		
<i>Number of Species</i>					5					
<i>Number of Hybrids</i>					0					

Species List

River Code: 19-010 Mile Range: 0.50 Thru: 7.00	Stream: Brandywine Creek Basin: Cuyahoga River Time Fished: 2700 sec Dist Fished: 0.30 km No of Passes: 2	River Segment Totals Date Range: 08/02/1996 Thru: 08/08/1996 Sampler Type: D
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Species Name / ODNR status	IBI Grp	Feed Guild	Breed Guild	Tol	# of Fish	Relative Number	% by Number	Relative Weight	% by Weight	Ave(gm) Weight
Central Mudminnow		I	C	T	8	8.00	4.57	0.04	0.90	4.88
White Sucker	W	O	S	T	15	15.00	8.57	2.14	49.26	142.86
Common Carp	G	O	M	T	1	1.00	0.57	0.55	12.64	550.00
Blacknose Dace	N	G	S	T	9	9.00	5.14	0.05	1.06	5.11
Creek Chub	N	G	N	T	29	29.00	16.57	0.81	18.57	27.86
Redside Dace	N	I	S	I	1	1.00	0.57	0.01	0.14	6.00
Common Shiner	N	I	S		12	12.00	6.86	0.13	3.01	10.91
Bluntnose Minnow	N	O	C	T	3	3.00	1.71	0.02	0.34	5.00
Central Stoneroller	N	H	N		79	79.00	45.14	0.45	10.29	5.66
Yellow Bullhead		I	C	T	1	1.00	0.57	0.04	0.85	37.00
Largemouth Bass	F	C	C		1	1.00	0.57	0.01	0.11	5.00
Green Sunfish	S	I	C	T	5	5.00	2.86	0.04	0.85	7.40
Bluegill Sunfish	S	I	C	P	4	4.00	2.29	0.06	1.29	14.00
Pumpkinseed Sunfish	S	I	C	P	2	2.00	1.14	0.02	0.41	9.00
Hybrid X Sunfish					2	2.00	1.14	0.01	0.18	4.00
Brook Stickleback		I	C		3	3.00	1.71	0.00	0.09	1.33
<i>Stream Total</i>					175	175.00		4.35		
<i>Number of Species</i>					15					
<i>Number of Hybrids</i>					1					

Species List

River Code: 19-020 River Mile: 0.90	Stream: Furnace Run Basin: Cuyahoga River Time Fished: 2700 sec Drain Area: 19.8 sq mi Dist Fished: 0.18 km No of Passes: 1	Sample Date: 1996 Date Range: 07/10/1996 Sampler Type: E
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Species Name / ODNR status	IBI Grp	Feed Guild	Breed Guild	Tol	# of Fish	Relative Number	% by Number	Relative Weight	% by Weight	Ave(gm) Weight
Northern Hog Sucker	R	I	S	M	11	18.33	2.61	0.84	11.51	45.64
White Sucker	W	O	S	T	3	5.00	0.71	0.18	2.43	35.33
River Chub	N	I	N	I	6	10.00	1.43	0.20	2.75	20.00
Blacknose Dace	N	G	S	T	58	96.67	13.78	0.33	4.58	3.45
Creek Chub	N	G	N	T	53	88.33	12.59	1.42	19.48	16.04
Redside Dace	N	I	S	I	2	3.33	0.48	0.02	0.21	4.50
Common Shiner	N	I	S		12	20.00	2.85	0.25	3.44	12.50
Bluntnose Minnow	N	O	C	T	7	11.67	1.66	0.08	1.14	7.14
Central Stoneroller	N	H	N		182	303.33	43.23	3.50	48.15	11.55
Yellow Bullhead		I	C	T	2	3.33	0.48	0.07	0.92	20.00
Largemouth Bass	F	C	C		1	1.67	0.24	0.01	0.10	4.00
Green Sunfish	S	I	C	T	1	1.67	0.24	0.01	0.16	7.00
Bluegill Sunfish	S	I	C	P	3	5.00	0.71	0.07	0.89	13.00
Pumpkinseed Sunfish	S	I	C	P	1	1.67	0.24	0.06	0.80	35.00
Hybrid X Sunfish					2	3.33	0.48	0.06	0.80	17.50
Johnny Darter	D	I	C		3	5.00	0.71	0.01	0.07	1.00
Rainbow Darter	D	I	S	M	29	48.33	6.89	0.08	1.14	1.72
Fantail Darter	D	I	C		45	75.00	10.69	0.10	1.43	1.39
<i>Mile Total</i>					421	701.67		7.27		
<i>Number of Species</i>					17					
<i>Number of Hybrids</i>					1					

Species List

River Code: 19-021 River Mile: 1.50	Stream: Yellow Creek Basin: Cuyahoga River Time Fished: 2700 sec Drain Area: 29.4 sq mi Dist Fished: 0.15 km No of Passes: 1	Sample Date: 1996 Date Range: 07/10/1996 Sampler Type: E
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Species Name / ODNR status	IBI Grp	Feed Guild	Breed Guild	Tol	# of Fish	Relative Number	% by Number	Relative Weight	% by Weight	Ave(gm) Weight
Northern Hog Sucker	R	I	S	M	21	42.00	2.97	1.79	10.72	42.50
White Sucker	W	O	S	T	32	64.00	4.53	1.81	10.89	28.33
River Chub	N	I	N	I	47	94.00	6.66	1.30	7.81	13.83
Blacknose Dace	N	G	S	T	47	94.00	6.66	0.33	1.99	3.52
Creek Chub	N	G	N	T	40	80.00	5.67	1.00	6.00	12.50
Redside Dace	N	I	S	I	17	34.00	2.41	0.17	1.01	4.94
Common Shiner	N	I	S		33	66.00	4.67	0.90	5.40	13.64
Central Stoneroller	N	H	N		423	846.00	59.92	9.12	54.73	10.77
Yellow Bullhead		I	C	T	1	2.00	0.14	0.04	0.24	20.00
Bluegill Sunfish	S	I	C	P	2	4.00	0.28	0.03	0.19	8.00
Johnny Darter	D	I	C		2	4.00	0.28	0.00	0.02	1.00
Greenside Darter	D	I	S	M	2	4.00	0.28	0.00	0.01	0.50
Rainbow Darter	D	I	S	M	16	32.00	2.27	0.08	0.50	2.63
Fantail Darter	D	I	C		23	46.00	3.26	0.08	0.48	1.74
<i>Mile Total</i>					706	1,412.00		16.65		
<i>Number of Species</i>					14					
<i>Number of Hybrids</i>					0					

Species List

River Code: 19-024 River Mile: 0.30	Stream: Mud Brook Basin: Cuyahoga River Time Fished: 1800 sec Drain Area: 30.0 sq mi Dist Fished: 0.15 km No of Passes: 1	Sample Date: 1996 Date Range: 08/12/1996 Sampler Type: E
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Species Name / ODNR status	IBI Grp	Feed Guild	Breed Guild	Tol	# of Fish	Relative Number	% by Number	Relative Weight	% by Weight	Ave(gm) Weight
Northern Hog Sucker	R	I	S	M	12	24.00	2.94	2.40	19.13	100.00
White Sucker	W	O	S	T	28	56.00	6.86	2.80	22.31	50.00
River Chub	N	I	N	I	1	2.00	0.25	0.06	0.46	29.00
Blacknose Dace	N	G	S	T	81	162.00	19.85	0.92	7.33	5.68
Creek Chub	N	G	N	T	34	68.00	8.33	2.00	15.94	29.41
Redside Dace	N	I	S	I	4	8.00	0.98	0.06	0.45	7.00
Common Shiner	N	I	S		18	36.00	4.41	0.40	3.20	11.18
Silverjaw Minnow	N	I	M		2	4.00	0.49	0.02	0.16	5.00
Bluntnose Minnow	N	O	C	T	17	34.00	4.17	0.15	1.21	4.47
Central Stoneroller	N	H	N		144	288.00	35.29	2.50	19.92	8.68
Yellow Bullhead		I	C	T	4	8.00	0.98	0.82	6.53	102.50
Largemouth Bass	F	C	C		1	2.00	0.25	0.01	0.06	4.00
Green Sunfish	S	I	C	T	4	8.00	0.98	0.12	0.99	15.50
Bluegill Sunfish	S	I	C	P	1	2.00	0.25	0.02	0.19	12.00
Pumpkinseed Sunfish	S	I	C	P	3	6.00	0.74	0.06	0.49	10.33
Greenside Darter	D	I	S	M	1	2.00	0.25	0.01	0.08	5.00
Fantail Darter	D	I	C		53	106.00	12.99	0.19	1.54	1.82
<i>Mile Total</i>					408	816.00		12.55		
<i>Number of Species</i>					17					
<i>Number of Hybrids</i>					0					

Species List

River Code: 19-028 River Mile: 9.50	Stream: Breakneck Creek Basin: Cuyahoga River Time Fished: 2585 sec Drain Area: 16.3 sq mi Dist Fished: 0.20 km No of Passes: 1	Sample Date: 1996 Date Range: 08/01/1996 Sampler Type: D
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Species Name / ODNR status	IBI Grp	Feed Guild	Breed Guild	Tol	# of Fish	Relative Number	% by Number	Relative Weight	% by Weight	Ave(gm) Weight
Central Mudminnow		I	C	T	32	48.00	9.07	0.18	1.34	3.75
Grass Pickerel		P	M	P	58	87.00	16.43	0.90	6.72	10.36
Northern Pike	F	P	M		7	10.50	1.98	6.05	45.14	576.43
Northern Hog Sucker	R	I	S	M	1	1.50	0.28	0.02	0.17	15.00
White Sucker	W	O	S	T	14	21.00	3.97	2.03	15.14	96.64
Hornyhead Chub	N	I	N	I	23	34.50	6.52	0.81	6.00	23.33
Creek Chub	N	G	N	T	1	1.50	0.28	0.00	0.02	2.00
Common Shiner	N	I	S		48	72.00	13.60	0.68	5.03	9.38
Bluntnose Minnow	N	O	C	T	34	51.00	9.63	0.16	1.21	3.18
Yellow Bullhead		I	C	T	5	7.50	1.42	1.26	9.42	168.40
Rock Bass	S	C	C		6	9.00	1.70	0.59	4.41	65.67
Largemouth Bass	F	C	C		1	1.50	0.28	0.01	0.07	6.00
Green Sunfish	S	I	C	T	18	27.00	5.10	0.31	2.30	11.39
Bluegill Sunfish	S	I	C	P	2	3.00	0.57	0.02	0.15	6.50
Blackside Darter	D	I	S		5	7.50	1.42	0.03	0.25	4.40
Logperch	D	I	S	M	1	1.50	0.28	0.01	0.04	4.00
Johnny Darter	D	I	C		10	15.00	2.83	0.02	0.11	1.00
Greenside Darter	D	I	S	M	81	121.50	22.95	0.31	2.33	2.57
Fantail Darter	D	I	C		6	9.00	1.70	0.02	0.17	2.60
<i>Mile Total</i>					353	529.50		13.41		
<i>Number of Species</i>					19					
<i>Number of Hybrids</i>					0					

Species List

River Code: 19-028 River Mile: 6.80	Stream: Breakneck Creek Basin: Cuyahoga River Time Fished: 2013 sec Drain Area: 17.9 sq mi Dist Fished: 0.20 km No of Passes: 1	Sample Date: 1996 Date Range: 08/01/1996 Sampler Type: D
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Species Name / ODNR status	IBI Grp	Feed Guild	Breed Guild	Tol	# of Fish	Relative Number	% by Number	Relative Weight	% by Weight	Ave(gm) Weight
Central Mudminnow		I	C	T	1	1.50	1.75	0.15	2.35	100.00
Grass Pickerel		P	M	P	20	30.00	35.09	1.94	30.43	64.70
White Sucker	W	O	S	T	2	3.00	3.51	1.95	30.57	650.00
Hornyhead Chub	N	I	N	I	1	1.50	1.75	0.01	0.13	5.00
Yellow Bullhead		I	C	T	2	3.00	3.51	0.44	6.82	145.00
Black Crappie	S	I	C		1	1.50	1.75	0.11	1.68	71.00
Rock Bass	S	C	C		15	22.50	26.32	1.40	21.90	62.10
Largemouth Bass	F	C	C		2	3.00	3.51	0.05	0.72	15.00
Green Sunfish	S	I	C	T	4	6.00	7.02	0.05	0.71	7.50
Bluegill Sunfish	S	I	C	P	2	3.00	3.51	0.17	2.62	55.50
Pumpkinseed Sunfish	S	I	C	P	1	1.50	1.75	0.11	1.77	75.00
Greenside Darter	D	I	S	M	5	7.50	8.77	0.02	0.30	2.50
Fantail Darter	D	I	C		1	1.50	1.75	0.01	0.08	3.00
<i>Mile Total</i>					57	85.50		6.38		
<i>Number of Species</i>					13					
<i>Number of Hybrids</i>					0					

Species List

River Code: 19-028 River Mile: 5.20	Stream: Breakneck Creek Basin: Cuyahoga River Time Fished: 3731 sec Drain Area: 18.7 sq mi Dist Fished: 0.40 km No of Passes: 2	Sample Date: 1996 Date Range: 08/01/1996 Thru: 10/09/1996 Sampler Type: D
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Species Name / ODNR status	IBI Grp	Feed Guild	Breed Guild	Tol	# of Fish	Relative Number	% by Number	Relative Weight	% by Weight	Ave(gm) Weight
Grass Pickerel		P	M	P	15	11.25	6.58	0.49	8.57	43.73
Northern Hog Sucker	R	I	S	M	16	12.00	7.02	2.48	43.17	206.56
White Sucker	W	O	S	T	5	3.75	2.19	1.91	33.31	510.00
Hornyhead Chub	N	I	N	I	1	0.75	0.44	0.00	0.04	3.00
River Chub	N	I	N	I	1	0.75	0.44	0.09	1.57	120.00
Creek Chub	N	G	N	T	1	0.75	0.44	0.00	0.04	3.00
Common Shiner	N	I	S		1	0.75	0.44	0.02	0.26	20.00
Bluntnose Minnow	N	O	C	T	2	1.50	0.88	0.01	0.17	6.50
Black Crappie	S	I	C		1	0.75	0.44	0.08	1.31	100.00
Rock Bass	S	C	C		5	3.75	2.19	0.19	3.34	51.00
Smallmouth Bass	F	C	C	M	1	0.75	0.44	0.10	1.70	130.00
Green Sunfish	S	I	C	T	1	0.75	0.44	0.01	0.13	10.00
Bluegill Sunfish	S	I	C	P	2	1.50	0.88	0.05	0.91	35.00
Blackside Darter	D	I	S		1	0.75	0.44	0.00	0.08	6.00
Logperch	D	I	S	M	5	3.75	2.19	0.05	0.93	14.20
Johnny Darter	D	I	C		6	4.50	2.63	0.01	0.19	2.33
Greenside Darter	D	I	S	M	107	80.25	46.93	0.19	3.39	2.42
Fantail Darter	D	I	C		57	42.75	25.00	0.05	0.92	1.24
<i>Mile Total</i>					228	171.00		5.74		
<i>Number of Species</i>					18					
<i>Number of Hybrids</i>					0					

Species List

River Code: 19-028 River Mile: 3.10	Stream: Breakneck Creek Basin: Cuyahoga River Time Fished: 3192 sec Drain Area: 22.4 sq mi Dist Fished: 0.40 km No of Passes: 2	Sample Date: 1996 Date Range: 08/01/1996 Thru: 10/09/1996 Sampler Type: D
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Species Name / ODNR status	IBI Grp	Feed Guild	Breed Guild	Tol	# of Fish	Relative Number	% by Number	Relative Weight	% by Weight	Ave(gm) Weight
Grass Pickerel		P	M	P	15	11.25	12.50	0.17	3.41	15.33
Northern Hog Sucker	R	I	S	M	1	0.75	0.83	0.15	2.97	200.00
White Sucker	W	O	S	T	5	3.75	4.17	1.95	38.58	520.00
Spotted Sucker	R	I	S		5	3.75	4.17	0.01	0.18	2.40
Creek Chub	N	G	N	T	1	0.75	0.83	0.00	0.03	2.00
Bluntnose Minnow	N	O	C	T	3	2.25	2.50	0.01	0.15	3.33
Yellow Bullhead		I	C	T	31	23.25	25.83	2.18	43.18	93.87
Rock Bass	S	C	C		5	3.75	4.17	0.23	4.61	62.00
Largemouth Bass	F	C	C		1	0.75	0.83	0.01	0.18	12.00
Green Sunfish	S	I	C	T	25	18.75	20.83	0.23	4.53	12.20
Bluegill Sunfish	S	I	C	P	1	0.75	0.83	0.01	0.15	10.00
Yellow Perch			M		1	0.75	0.83	0.04	0.82	55.00
Blackside Darter	D	I	S		3	2.25	2.50	0.01	0.23	5.00
Johnny Darter	D	I	C		8	6.00	6.67	0.01	0.20	1.63
Greenside Darter	D	I	S	M	13	9.75	10.83	0.04	0.74	3.85
Fantail Darter	D	I	C		2	1.50	1.67	0.00	0.08	2.50
<i>Mile Total</i>					120	90.00		5.05		
<i>Number of Species</i>					16					
<i>Number of Hybrids</i>					0					

Species List

River Code: 19-028 River Mile: 1.70	Stream: Breakneck Creek Basin: Cuyahoga River Time Fished: 5062 sec Drain Area: 22.6 sq mi Dist Fished: 0.40 km No of Passes: 2	Sample Date: 1996 Date Range: 08/01/1996 Thru: 10/09/1996 Sampler Type: D
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Species Name / ODNR status	IBI Grp	Feed Guild	Breed Guild	Tol	# of Fish	Relative Number	% by Number	Relative Weight	% by Weight	Ave(gm) Weight
Grass Pickerel		P	M	P	12	9.00	19.05	0.12	2.12	13.75
Northern Pike	F	P	M		1	0.75	1.59	1.13	19.24	1,500.00
Northern Hog Sucker	R	I	S	M	1	0.75	1.59	0.10	1.67	130.00
White Sucker	W	O	S	T	9	6.75	14.29	2.18	37.20	322.22
Yellow Bullhead		I	C	T	18	13.50	28.57	1.75	29.89	129.44
Rock Bass	S	C	C		9	6.75	14.29	0.45	7.76	67.22
Green Sunfish	S	I	C	T	8	6.00	12.70	0.11	1.92	18.75
Johnny Darter	D	I	C		1	0.75	1.59	0.00	0.03	2.00
Greenside Darter	D	I	S	M	4	3.00	6.35	0.01	0.18	3.50
<i>Mile Total</i>					63	47.25		5.85		
<i>Number of Species</i>					9					
<i>Number of Hybrids</i>					0					

Species List

River Code: 19-028 River Mile: 0.20	Stream: Breakneck Creek Basin: Cuyahoga River Time Fished: 4884 sec Drain Area: 79.0 sq mi Dist Fished: 0.40 km No of Passes: 2	Sample Date: 1996 Date Range: 08/02/1996 Thru: 10/09/1996 Sampler Type: D
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Species Name / ODNR status	IBI Grp	Feed Guild	Breed Guild	Tol	# of Fish	Relative Number	% by Number	Relative Weight	% by Weight	Ave(gm) Weight
Grass Pickerel		P	M	P	21	15.75	13.13	0.32	7.97	20.22
Northern Pike	F	P	M		1	0.75	0.63	0.09	2.25	120.00
Northern Hog Sucker	R	I	S	M	13	9.75	8.13	1.56	39.08	160.15
White Sucker	W	O	S	T	5	3.75	3.13	0.28	6.98	74.40
Hornyhead Chub	N	I	N	I	7	5.25	4.38	0.17	4.15	31.57
River Chub	N	I	N	I	12	9.00	7.50	0.30	7.57	33.64
Common Shiner	N	I	S		6	4.50	3.75	0.22	5.39	47.83
Bluntnose Minnow	N	O	C	T	5	3.75	3.13	0.02	0.44	4.60
Yellow Bullhead		I	C	T	7	5.25	4.38	0.08	1.90	14.43
Rock Bass	S	C	C		9	6.75	5.63	0.55	13.80	81.67
Largemouth Bass	F	C	C		1	0.75	0.63	0.01	0.18	9.00
Green Sunfish	S	I	C	T	3	2.25	1.88	0.04	0.94	16.67
Yellow Perch			M		5	3.75	3.13	0.14	3.57	38.00
Blackside Darter	D	I	S		5	3.75	3.13	0.02	0.48	5.00
Logperch	D	I	S	M	6	4.50	3.75	0.07	1.69	15.00
Johnny Darter	D	I	C		9	6.75	5.63	0.02	0.44	2.56
Greenside Darter	D	I	S	M	44	33.00	27.50	0.13	3.15	3.82
Fantail Darter	D	I	C		1	0.75	0.63	0.00	0.06	3.00
<i>Mile Total</i>					160	120.00		4.00		
<i>Number of Species</i>					18					
<i>Number of Hybrids</i>					0					

Species List

River Code: 19-028 Mile Range: 0.20 Thru: 9.50	Stream: Breakneck Creek Basin: Cuyahoga River Time Fished: 21467 sec Dist Fished: 2.00 km No of Passes: 10	River Segment Totals Date Range: 08/01/1996 Thru: 10/09/1996 Sampler Type: D
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Species Name / ODNR status	IBI Grp	Feed Guild	Breed Guild	Tol	# of Fish	Relative Number	% by Number	Relative Weight	% by Weight	Ave(gm) Weight
Central Mudminnow		I	C	T	33	4.95	3.36	0.03	0.54	6.67
Grass Pickerel		P	M	P	141	21.15	14.37	0.51	8.28	23.90
Northern Pike	F	P	M		9	1.35	0.92	0.85	13.89	628.33
Northern Hog Sucker	R	I	S	M	32	4.80	3.26	0.86	14.08	179.13
White Sucker	W	O	S	T	40	6.00	4.08	1.66	27.20	276.88
Spotted Sucker	R	I	S		5	0.75	0.51	0.00	0.03	2.40
Hornyhead Chub	N	I	N	I	32	4.80	3.26	0.12	1.88	23.93
River Chub	N	I	N	I	13	1.95	1.33	0.08	1.29	40.28
Creek Chub	N	G	N	T	3	0.45	0.31	0.00	0.02	2.33
Common Shiner	N	I	S		55	8.25	5.61	0.11	1.86	13.76
Bluntnose Minnow	N	O	C	T	44	6.60	4.49	0.02	0.38	3.50
Yellow Bullhead		I	C	T	63	9.45	6.42	0.97	15.90	102.75
Black Crappie	S	I	C		2	0.30	0.20	0.03	0.42	85.50
Rock Bass	S	C	C		49	7.35	4.99	0.48	7.94	65.93
Smallmouth Bass	F	C	C	M	1	0.15	0.10	0.02	0.32	130.00
Largemouth Bass	F	C	C		5	0.75	0.51	0.01	0.14	11.40
Green Sunfish	S	I	C	T	59	8.85	6.01	0.11	1.84	12.71
Bluegill Sunfish	S	I	C	P	7	1.05	0.71	0.03	0.50	29.14
Pumpkinseed Sunfish	S	I	C	P	1	0.15	0.10	0.01	0.19	75.00
Yellow Perch			M		6	0.90	0.61	0.04	0.60	40.83
Blackside Darter	D	I	S		14	2.10	1.43	0.01	0.17	4.86
Logperch	D	I	S	M	12	1.80	1.22	0.02	0.41	13.75
Johnny Darter	D	I	C		34	5.10	3.47	0.01	0.16	1.82
Greenside Darter	D	I	S	M	254	38.10	25.89	0.11	1.75	2.80
Fantail Darter	D	I	C		67	10.05	6.83	0.01	0.24	1.45
<i>Stream Total</i>					981	147.15		6.11		
<i>Number of Species</i>					25					
<i>Number of Hybrids</i>					0					

Species List

River Code: 19-029 River Mile: 1.50	Stream: Potter Creek Basin: Cuyahoga River Time Fished: 2400 sec Drain Area: 3.2 sq mi Dist Fished: 0.15 km No of Passes: 1	Sample Date: 1996 Date Range: 07/11/1996 Sampler Type: E
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Species Name / ODNR status	IBI Grp	Feed Guild	Breed Guild	Tol	# of Fish	Relative Number	% by Number	Relative Weight	% by Weight	Ave(gm) Weight
Central Mudminnow		I	C	T	7	14.00	4.05	0.06	3.93	4.14
Grass Pickerel		P	M	P	1	2.00	0.58	0.03	1.76	13.00
White Sucker	W	O	S	T	2	4.00	1.16	0.10	6.78	25.00
Golden Shiner	N	I	M	T	1	2.00	0.58	0.00	0.27	2.00
Creek Chub	N	G	N	T	6	12.00	3.47	0.19	12.88	15.83
Fathead Minnow	N	O	C	T	128	256.00	73.99	0.94	63.66	3.67
Largemouth Bass	F	C	C		1	2.00	0.58	0.00	0.14	1.00
Green Sunfish	S	I	C	T	1	2.00	0.58	0.01	0.54	4.00
Bluegill Sunfish	S	I	C	P	1	2.00	0.58	0.08	5.15	38.00
Hybrid X Sunfish					1	2.00	0.58	0.01	0.81	6.00
Johnny Darter	D	I	C		18	36.00	10.40	0.05	3.25	1.33
Brook Stickleback		I	C		6	12.00	3.47	0.01	0.81	1.00
<i>Mile Total</i>					173	346.00		1.48		
<i>Number of Species</i>					11					
<i>Number of Hybrids</i>					1					

Species List

River Code: 19-033 River Mile: 1.80	Stream: Black Brook Basin: Cuyahoga River Time Fished: 1800 sec Drain Area: 12.5 sq mi Dist Fished: 0.20 km No of Passes: 1	Sample Date: 1996 Date Range: 08/01/1996 Sampler Type: D
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Species Name / ODNR status	IBI Grp	Feed Guild	Breed Guild	Tol	# of Fish	Relative Number	% by Number	Relative Weight	% by Weight	Ave(gm) Weight
Grass Pickerel		P	M	P	2	3.00	1.72	0.18	1.22	60.00
Northern Hog Sucker	R	I	S	M	18	27.00	15.52	4.99	33.82	184.72
White Sucker	W	O	S	T	20	30.00	17.24	6.35	43.07	211.76
Creek Chub	N	G	N	T	13	19.50	11.21	0.81	5.49	41.54
Common Shiner	N	I	S		2	3.00	1.72	0.33	2.24	110.00
Bluntnose Minnow	N	O	C	T	4	6.00	3.45	0.05	0.31	7.50
Yellow Bullhead		I	C	T	22	33.00	18.97	1.39	9.41	42.05
Largemouth Bass	F	C	C		4	6.00	3.45	0.05	0.31	7.50
Green Sunfish	S	I	C	T	1	1.50	0.86	0.08	0.51	50.00
Pumpkinseed Sunfish	S	I	C	P	3	4.50	2.59	0.18	1.24	40.67
Yellow Perch			M		4	6.00	3.45	0.20	1.32	32.50
Logperch	D	I	S	M	4	6.00	3.45	0.08	0.51	12.50
Greenside Darter	D	I	S	M	2	3.00	1.72	0.03	0.20	10.00
Rainbow Darter	D	I	S	M	10	15.00	8.62	0.03	0.22	2.10
Fantail Darter	D	I	C		7	10.50	6.03	0.02	0.16	2.14
<i>Mile Total</i>					116	174.00		14.75		
<i>Number of Species</i>					15					
<i>Number of Hybrids</i>					0					

Species List

River Code: 19-035 River Mile: 11.20	Stream: Bridge Creek Basin: Cuyahoga River Time Fished: 1800 sec Drain Area: 4.8 sq mi Dist Fished: 0.15 km No of Passes: 1	Sample Date: 1996 Date Range: 08/01/1996 Sampler Type: D
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Species Name / ODNR status	IBI Grp	Feed Guild	Breed Guild	Tol	# of Fish	Relative Number	% by Number	Relative Weight	% by Weight	Ave(gm) Weight
Central Mudminnow		I	C	T	19	38.00	17.27	0.21	2.26	5.41
Grass Pickerel		P	M	P	42	84.00	38.18	2.91	31.89	34.62
White Sucker	W	O	S	T	6	12.00	5.45	2.60	28.51	216.67
Creek Chub	N	G	N	T	24	48.00	21.82	1.88	20.59	39.13
Yellow Bullhead		I	C	T	8	16.00	7.27	0.84	9.21	52.50
Bluegill Sunfish	S	I	C	P	2	4.00	1.82	0.04	0.44	10.00
Pumpkinseed Sunfish	S	I	C	P	7	14.00	6.36	0.60	6.58	42.86
Yellow Perch			M		1	2.00	0.91	0.04	0.48	22.00
Johnny Darter	D	I	C		1	2.00	0.91	0.00	0.04	2.00
<i>Mile Total</i>					110	220.00		9.12		
<i>Number of Species</i>					9					
<i>Number of Hybrids</i>					0					

Species List

River Code: 19-035 River Mile: 8.50	Stream: Bridge Creek Basin: Cuyahoga River Time Fished: 1680 sec Drain Area: 14.0 sq mi Dist Fished: 0.20 km No of Passes: 1	Sample Date: 1996 Date Range: 08/01/1996 Sampler Type: D
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Species Name / ODNR status	IBI Grp	Feed Guild	Breed Guild	Tol	# of Fish	Relative Number	% by Number	Relative Weight	% by Weight	Ave(gm) Weight
Grass Pickerel		P	M	P	7	10.50	0.95	0.21	1.34	19.60
Northern Hog Sucker	R	I	S	M	4	6.00	0.54	0.52	3.40	87.25
White Sucker	W	O	S	T	32	48.00	4.34	0.45	2.92	9.38
Blacknose Dace	N	G	S	T	4	6.00	0.54	0.03	0.21	5.25
Creek Chub	N	G	N	T	70	105.00	9.50	3.15	20.46	30.00
Common Shiner	N	I	S		1	1.50	0.14	0.06	0.41	42.00
Bluntnose Minnow	N	O	C	T	17	25.50	2.31	0.12	0.76	4.59
Central Stoneroller	N	H	N		479	718.50	64.99	9.53	61.89	13.26
Yellow Bullhead		I	C	T	9	13.50	1.22	0.53	3.41	38.89
Brook Silverside		I	M	M	2	3.00	0.27	0.01	0.04	2.00
Largemouth Bass	F	C	C		12	18.00	1.63	0.08	0.53	4.50
Bluegill Sunfish	S	I	C	P	3	4.50	0.41	0.06	0.37	12.67
Pumpkinseed Sunfish	S	I	C	P	5	7.50	0.68	0.15	0.95	19.50
Yellow Perch			M		8	12.00	1.09	0.18	1.18	15.13
Logperch	D	I	S	M	7	10.50	0.95	0.07	0.42	6.14
Johnny Darter	D	I	C		13	19.50	1.76	0.03	0.22	1.75
Greenside Darter	D	I	S	M	5	7.50	0.68	0.04	0.29	5.80
Rainbow Darter	D	I	S	M	3	4.50	0.41	0.01	0.04	1.33
Fantail Darter	D	I	C		56	84.00	7.60	0.18	1.18	2.17
<i>Mile Total</i>					737	1,105.50		15.40		
<i>Number of Species</i>					19					
<i>Number of Hybrids</i>					0					

Species List

River Code: 19-035 River Mile: 0.50	Stream: Bridge Creek Basin: Cuyahoga River Time Fished: 1800 sec Drain Area: 37.8 sq mi Dist Fished: 0.15 km No of Passes: 1	Sample Date: 1996 Date Range: 08/08/1996 Sampler Type: E
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Species Name / ODNR status	IBI Grp	Feed Guild	Breed Guild	Tol	# of Fish	Relative Number	% by Number	Relative Weight	% by Weight	Ave(gm) Weight
Spotted Sucker	R	I	S		3	6.00	5.36	0.28	10.11	46.33
Golden Shiner	N	I	M	T	1	2.00	1.79	0.00	0.07	1.00
Bluntnose Minnow	N	O	C	T	19	38.00	33.93	0.07	2.40	1.74
Yellow Bullhead		I	C	T	5	10.00	8.93	1.03	37.53	103.20
White Crappie	S	I	C		1	2.00	1.79	0.00	0.07	1.00
Largemouth Bass	F	C	C		2	4.00	3.57	0.02	0.73	5.00
Bluegill Sunfish	S	I	C	P	4	8.00	7.14	0.33	11.93	41.00
Pumpkinseed Sunfish	S	I	C	P	12	24.00	21.43	0.74	26.84	30.75
Yellow Perch			M		1	2.00	1.79	0.13	4.73	65.00
Logperch	D	I	S	M	7	14.00	12.50	0.15	5.53	10.86
Johnny Darter	D	I	C		1	2.00	1.79	0.00	0.07	1.00
<i>Mile Total</i>					56	112.00		2.75		
<i>Number of Species</i>					11					
<i>Number of Hybrids</i>					0					

Species List

River Code: 19-035 Mile Range: 0.50 Thru: 11.20	Stream: Bridge Creek Basin: Cuyahoga River Time Fished: 5280 sec Dist Fished: 0.50 km No of Passes: 3	River Segment Totals Date Range: 08/01/1996 Thru: 08/08/1996 Sampler Type: E D
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Species Name / ODNR status	IBI Grp	Feed Guild	Breed Guild	Tol	# of Fish	Relative Number	% by Number	Relative Weight	% by Weight	Ave(gm) Weight
Central Mudminnow		I	C	T	19	12.67	2.64	0.07	0.76	5.41
Grass Pickerel		P	M	P	49	31.50	6.57	1.04	11.42	32.47
Northern Hog Sucker	R	I	S	M	4	2.00	0.42	0.17	1.92	87.25
White Sucker	W	O	S	T	38	20.00	4.17	1.02	11.19	42.11
Spotted Sucker	R	I	S		3	2.00	0.42	0.09	1.02	46.33
Golden Shiner	N	I	M	T	1	0.67	0.14	0.00	0.01	1.00
Blacknose Dace	N	G	S	T	4	2.00	0.42	0.01	0.12	5.25
Creek Chub	N	G	N	T	94	51.00	10.64	1.68	18.44	32.33
Common Shiner	N	I	S		1	0.50	0.10	0.02	0.23	42.00
Bluntnose Minnow	N	O	C	T	36	21.17	4.42	0.06	0.67	3.08
Central Stoneroller	N	H	N		479	239.50	49.98	3.18	34.95	13.26
Yellow Bullhead		I	C	T	22	13.17	2.75	0.80	8.79	58.45
Brook Silverside		I	M	M	2	1.00	0.21	0.00	0.02	2.00
White Crappie	S	I	C		1	0.67	0.14	0.00	0.01	1.00
Largemouth Bass	F	C	C		14	7.33	1.53	0.03	0.37	4.57
Bluegill Sunfish	S	I	C	P	9	5.50	1.15	0.14	1.56	24.67
Pumpkinseed Sunfish	S	I	C	P	24	15.17	3.17	0.49	5.44	31.94
Yellow Perch			M		10	5.33	1.11	0.12	1.31	20.80
Logperch	D	I	S	M	14	8.17	1.70	0.07	0.80	8.50
Johnny Darter	D	I	C		15	7.83	1.63	0.01	0.15	1.72
Greenside Darter	D	I	S	M	5	2.50	0.52	0.01	0.16	5.80
Rainbow Darter	D	I	S	M	3	1.50	0.31	0.00	0.02	1.33
Fantail Darter	D	I	C		56	28.00	5.84	0.06	0.67	2.17
<i>Stream Total</i>					903	479.17		9.09		
<i>Number of Species</i>					23					
<i>Number of Hybrids</i>					0					

Species List

River Code: 19-036 River Mile: 0.90	Stream: West Branch Cuyahoga River Basin: Cuyahoga River Time Fished: 2400 sec Drain Area: 35.5 sq mi Dist Fished: 0.15 km No of Passes: 1	Sample Date: 1996 Date Range: 08/02/1996 Sampler Type: D
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Species Name / ODNR status	IBI Grp	Feed Guild	Breed Guild	Tol	# of Fish	Relative Number	% by Number	Relative Weight	% by Weight	Ave(gm) Weight
Grass Pickerel		P	M	P	20	40.00	8.13	0.60	9.77	15.00
Northern Hog Sucker	R	I	S	M	7	14.00	2.85	1.00	16.33	71.67
White Sucker	W	O	S	T	1	2.00	0.41	0.12	1.95	60.00
Spotted Sucker	R	I	S		2	4.00	0.81	0.07	1.14	17.50
Hornyhead Chub	N	I	N	I	7	14.00	2.85	0.10	1.66	7.29
Creek Chub	N	G	N	T	2	4.00	0.81	0.21	3.45	53.00
Common Shiner	N	I	S		165	330.00	67.07	3.20	52.10	9.70
Bluntnose Minnow	N	O	C	T	12	24.00	4.88	0.06	0.94	2.42
Yellow Bullhead		I	C	T	2	4.00	0.81	0.30	4.88	75.00
Rock Bass	S	C	C		2	4.00	0.81	0.14	2.28	35.00
Largemouth Bass	F	C	C		1	2.00	0.41	0.01	0.13	4.00
Pumpkinseed Sunfish	S	I	C	P	8	16.00	3.25	0.20	3.26	12.50
Blackside Darter	D	I	S		4	8.00	1.63	0.04	0.72	5.50
Logperch	D	I	S	M	2	4.00	0.81	0.02	0.33	5.00
Johnny Darter	D	I	C		4	8.00	1.63	0.01	0.13	1.00
Greenside Darter	D	I	S	M	5	10.00	2.03	0.05	0.77	4.67
Fantail Darter	D	I	C		2	4.00	0.81	0.01	0.16	2.50
<i>Mile Total</i>					246	492.00		6.14		
<i>Number of Species</i>					17					
<i>Number of Hybrids</i>					0					

Species List

River Code: 19-072 River Mile: 0.40	Stream: Sand Run Basin: Cuyahoga River Time Fished: _____ Drain Area: 3.1 sq mi Dist Fished: 0.15 km No of Passes: 1	Sample Date: 1996 Date Range: 07/10/1996 Sampler Type: E
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Species Name / ODNR status	IBI Grp	Feed Guild	Breed Guild	Tol	# of Fish	Relative Number	% by Number	Relative Weight	% by Weight	Ave(gm) Weight
Rainbow Trout	E		N		1	2.00	0.71	0.01	0.39	4.00
Blacknose Dace	N	G	S	T	106	212.00	75.18	0.75	36.50	3.54
Creek Chub	N	G	N	T	30	60.00	21.28	1.27	61.65	21.11
Central Stoneroller	N	H	N		2	4.00	1.42	0.01	0.68	3.50
Green Sunfish	S	I	C	T	1	2.00	0.71	0.01	0.58	6.00
Johnny Darter	D	I	C		1	2.00	0.71	0.00	0.19	2.00
<i>Mile Total</i>					141	282.00		2.06		
<i>Number of Species</i>					6					
<i>Number of Hybrids</i>					0					

Species List

No of Streams: 15 Dist Fished: 38.83 km No of Passes: 110	Grand Total of All Streams Date Range: 07/10/1996 Thru: 10/09/1996
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Species Name / ODNR status	IBI Grp	Feed Guild	Breed Guild	Tol	# of Fish	Relative Number	% by Number	Relative Weight	% by Weight	Ave(gm) Weight
Gizzard Shad		O	M		1,459	33.63	10.33	0.52	1.20	13.84
Rainbow Trout	E		N		2	0.04	0.01	0.05	0.12	1,352.00
Central Mudminnow		I	C	T	69	1.10	0.34	0.01	0.01	5.79
Grass Pickerel		P	M	P	267	4.07	1.25	0.11	0.25	25.78
Northern Pike	F	P	M		39	0.64	0.20	0.49	1.12	744.54
Bigmouth Buffalo	C	I	M		1	0.02	0.01	0.01	0.03	625.00
Smallmouth Buffalo	C	I	M		2	0.04	0.01	0.07	0.16	1,900.00
Quillback Carpsucker	C	O	M		1	0.02	0.01	0.01	0.02	460.00
Silver Redhorse	R	I	S	M	5	0.09	0.03	0.00	0.00	15.00
Golden Redhorse	R	I	S	M	165	2.60	0.80	1.34	3.07	491.92
Shorthead Redhorse	R	I	S	M	2	0.04	0.01	0.00	0.00	57.50
Northern Hog Sucker	R	I	S	M	629	12.30	3.78	1.60	3.68	138.01
White Sucker	W	O	S	T	1,347	25.83	7.93	5.31	12.21	214.08
Spotted Sucker	R	I	S		158	2.79	0.86	0.78	1.80	268.23
Common Carp	G	O	M	T	538	11.09	3.41	27.79	63.86	2,368.20
Goldfish	G	O	M	T	9	0.17	0.05	0.08	0.18	460.33
Golden Shiner	N	I	M	T	39	0.67	0.21	0.01	0.01	7.46
Hornyhead Chub	N	I	N	I	63	1.00	0.31	0.03	0.07	29.07
River Chub	N	I	N	I	120	1.91	0.59	0.06	0.13	30.31
Blacknose Dace	N	G	S	T	704	12.32	3.78	0.03	0.06	4.01
Creek Chub	N	G	N	T	1,049	19.50	5.99	0.26	0.60	20.24
Redside Dace	N	I	S	I	24	0.43	0.13	0.00	0.01	5.29
Emerald Shiner	N	I	S		625	12.09	3.71	0.02	0.04	1.26
Rosyface Shiner	N	I	S	I	3	0.04	0.01	0.00	0.00	2.67
Striped Shiner	N	I	S		14	0.68	0.21	0.00	0.00	2.07
Common Shiner	N	I	S		1,631	26.91	8.26	0.30	0.69	13.53
Spottail Shiner	N	I	M	P	3	0.05	0.02	0.00	0.00	2.67
Spotfin Shiner	N	I	M		89	1.67	0.51	0.01	0.03	6.63
Sand Shiner	N	I	M	M	38	2.72	0.84	0.01	0.01	2.11
Silverjaw Minnow	N	I	M		43	0.67	0.21	0.00	0.00	3.83
Fathead Minnow	N	O	C	T	142	2.55	0.78	0.01	0.02	3.63
Bluntnose Minnow	N	O	C	T	556	9.13	2.81	0.03	0.06	3.42
Central Stoneroller	N	H	N		4,664	79.98	24.57	1.17	2.68	17.36
Common Carp X Goldfish	G	O		T	3	0.05	0.02	0.09	0.20	1,566.67
Channel Catfish	F		C		12	0.22	0.07	0.18	0.41	798.33
Yellow Bullhead		I	C	T	323	5.09	1.56	0.63	1.45	110.02
Brown Bullhead		I	C	T	24	0.45	0.14	0.25	0.58	540.79
Black Bullhead		I	C	P	4	0.06	0.02	0.01	0.01	170.00
Brook Silverside		I	M	M	33	0.51	0.16	0.00	0.00	1.70
White Bass	F	P	M		40	0.73	0.22	0.01	0.03	15.73
White Perch	E		M		136	2.49	0.77	0.02	0.05	8.91
White Crappie	S	I	C		15	0.27	0.08	0.01	0.02	37.60
Black Crappie	S	I	C		47	0.88	0.27	0.07	0.15	73.70
Rock Bass	S	C	C		259	4.27	1.31	0.31	0.72	71.78

Species List

Species Name / ODNR status	IBI Grp	Feed Guild	Breed Guild	Tol	# of Fish	Relative Number	% by Number	Relative Weight	% by Weight	Ave(gm) Weight
Smallmouth Bass	F	C	C	M	153	2.70	0.83	0.52	1.19	180.36
Largemouth Bass	F	C	C		217	3.63	1.11	0.50	1.16	127.91
Warmouth Sunfish	S	C	C		30	0.54	0.17	0.03	0.06	47.63
Green Sunfish	S	I	C	T	141	2.27	0.70	0.04	0.09	17.26
Bluegill Sunfish	S	I	C	P	290	5.05	1.55	0.16	0.37	30.84
Pumpkinseed Sunfish	S	I	C	P	457	8.30	2.55	0.27	0.61	32.28
Bluegill X Pumpkinseed					3	0.06	0.02	0.01	0.01	92.00
Green Sf X Bluegill					4	0.08	0.02	0.00	0.01	35.00
Hybrid X Sunfish					43	0.77	0.24	0.05	0.12	63.35
Jack Dempsey		I	C		1	0.02	0.01	0.00	0.00	85.00
Yellow Perch			M		201	3.43	1.05	0.12	0.28	34.46
Blackside Darter	D	I	S		18	0.26	0.08	0.00	0.00	5.00
Logperch	D	I	S	M	135	1.99	0.61	0.02	0.05	9.86
Johnny Darter	D	I	C		150	2.20	0.68	0.00	0.01	1.55
Greenside Darter	D	I	S	M	431	6.18	1.90	0.03	0.07	4.39
Rainbow Darter	D	I	S	M	85	1.28	0.39	0.00	0.01	2.22
Fantail Darter	D	I	C		300	4.63	1.42	0.01	0.02	2.13
Freshwater Drum			M	P	11	0.20	0.06	0.08	0.19	403.27
Brook Stickleback		I	C		9	0.16	0.05	0.00	0.00	1.11
<i>Grand Total</i>					18,075	325.57		43.52		
<i>Number of Species</i>					59					
<i>Number of Hybrids</i>					4					

APPENDIX D

Macroinvertebrate Sampling Data

Appendix D. ICI metric scores from macroinvertebrate sampling sites (quantitative) in the Cuyahoga River basin study area, 1996.

River Mile	Drainage Area (sq mi)	Number of				Percent:					Qual. EPT	Eco-region	ICI
		Total Taxa	Mayfly Taxa	Caddisfly Taxa	Dipteran Taxa	Mayflies	Caddisflies	Tanytarsini	Other Dipt/NI	Tolerant Organisms			
Cuyahoga River (19-001)													
Year: 1996													
90.90	18.6	30(4)	0(0)	4(6)	17(4)	0.0(0)	10.2(6)	0.2(2)	89.5(0)	13.4(4)	7(2)	3	28
87.30	38.4	44(6)	2(0)	3(4)	29(6)	0.8(2)	9.6(4)	16.5(4)	73.1(0)	9.8(4)	4(0)	3	30
84.10	77.0	42(6)	3(2)	4(6)	23(6)	3.7(2)	14.6(4)	30.1(4)	51.5(2)	5.5(6)	12(4)	3	42
80.40	123.0	41(6)	3(2)	6(6)	21(6)	1.3(2)	17.3(4)	33.0(4)	48.0(2)	7.2(4)	10(4)	3	40
75.80	151.0	35(4)	6(4)	9(6)	8(2)	2.1(2)	12.8(4)	73.5(6)	11.4(6)	2.1(6)	11(4)	3	44
71.70	157.0	58(6)	11(6)	8(6)	25(6)	61.6(6)	6.4(2)	0.3(2)	31.2(4)	18.1(0)	24(6)	3	44
67.60	168.0	51(6)	9(6)	8(6)	26(6)	19.0(4)	6.7(2)	11.5(2)	62.3(0)	11.2(2)	17(6)	3	40
64.20	177.0	49(6)	8(4)	10(6)	17(4)	43.1(6)	36.6(6)	1.8(2)	17.7(6)	2.1(6)	33(6)	3	52
57.60	208.0	37(6)	2(0)	4(4)	15(4)	1.2(2)	4.2(2)	2.4(2)	87.3(0)	6.0(4)	5(0)	3	24
56.10	291.0	39(6)	3(2)	4(4)	18(6)	1.1(2)	13.5(4)	24.2(4)	59.5(0)	9.8(2)	10(2)	3	32
54.40	293.0	41(6)	2(0)	7(6)	16(6)	5.5(2)	17.2(4)	44.7(6)	32.3(4)	3.1(6)	11(4)	3	44
53.40	307.0	32(4)	4(2)	6(6)	13(4)	5.4(2)	27.1(6)	28.7(4)	38.6(2)	1.5(6)	9(2)	3	38
49.80	327.0	25(4)	3(2)	7(6)	6(2)	0.4(2)	33.2(6)	45.2(6)	21.2(6)	0.1(6)	11(2)	3	42
48.00	331.0	42(6)	6(4)	8(6)	14(4)	6.2(2)	14.5(4)	39.7(6)	38.7(2)	1.2(6)	14(4)	3	44
45.90	334.0	43(6)	7(4)	7(6)	15(4)	5.7(2)	23.1(4)	28.3(4)	42.8(2)	18.2(0)	9(2)	3	34
44.00	337.0	31(4)	3(2)	6(6)	13(4)	8.9(2)	44.0(6)	13.5(2)	33.6(4)	0.7(6)	8(2)	3	38
42.80	340.0	28(4)	3(2)	6(6)	11(4)	1.0(2)	7.8(2)	70.3(6)	20.9(6)	0.7(6)	10(2)	3	40
41.90	401.0	29(4)	3(2)	8(6)	9(2)	2.8(2)	9.5(2)	54.8(6)	32.9(4)	4.1(4)	6(2)	3	34
38.00	439.0	38(6)	5(2)	2(2)	17(6)	2.4(2)	4.9(2)	52.9(6)	39.5(2)	6.5(2)	8(2)	3	32
37.40	443.0	28(4)	2(0)	4(4)	15(6)	2.0(2)	2.0(2)	18.3(4)	77.7(0)	63.3(0)	8(2)	3	24
37.10	474.0	26(4)	2(0)	5(4)	11(4)	0.6(2)	15.3(4)	35.9(6)	48.0(0)	24.8(0)	7(2)	3	26
35.30	477.0	30(4)	2(0)	6(6)	12(4)	0.1(2)	6.3(2)	55.1(6)	38.4(2)	19.7(0)	8(2)	3	28
33.30	480.0	32(4)	2(0)	4(4)	13(4)	0.4(2)	7.6(2)	45.5(6)	46.2(0)	27.2(0)	6(2)	3	24
26.50	520.0	28(4)	3(2)	6(6)	12(4)	1.4(2)	28.1(6)	32.3(6)	38.2(2)	6.6(2)	6(2)	3	36
20.70	583.0	42(6)	8(4)	7(6)	16(6)	1.7(2)	36.9(6)	30.1(6)	31.2(4)	2.8(4)	8(2)	3	46
17.00	596.0	36(6)	6(4)	8(6)	12(4)	13.0(2)	29.6(6)	30.1(6)	26.3(4)	8.2(0)	12(4)	3	42
15.60	694.0	35(6)	6(4)	5(4)	16(6)	10.0(2)	43.5(6)	23.9(4)	22.4(4)	1.0(6)	8(2)	3	44
11.00	730.0	39(6)	7(4)	7(6)	14(6)	19.3(4)	43.8(6)	15.0(4)	20.9(4)	3.6(4)	8(2)	3	46
10.50	731.0	40(6)	3(2)	5(4)	14(6)	8.3(2)	10.7(2)	10.8(2)	69.9(0)	37.2(0)	8(2)	3	26
9.70	733.0	45(6)	7(4)	5(4)	18(6)	29.9(6)	13.9(2)	16.4(4)	36.6(2)	16.6(0)	6(2)	3	36
8.30	743.0	41(6)	7(4)	5(4)	16(6)	27.9(6)	10.9(2)	20.6(4)	31.6(2)	6.2(0)	9(2)	3	36
7.10	786.0	49(6)	5(2)	5(4)	20(6)	7.5(2)	4.7(0)	7.3(2)	79.6(0)	51.7(0)	8(2)	3	24
Breakneck Creek (19-028)													
Year: 1996													
14.70	5.1	41(6)	4(2)	6(6)	22(6)	28.7(6)	23.8(6)	13.8(4)	30.6(4)	7.4(6)	9(4)	3	50
6.90	17.9	32(4)	4(2)	3(6)	15(4)	7.0(2)	8.9(6)	67.8(6)	15.9(6)	0.8(6)	7(2)	3	44
5.20	18.7	35(4)	3(2)	5(6)	19(4)	5.2(2)	12.7(6)	58.4(6)	22.5(6)	2.4(6)	10(4)	3	46

Appendix D. ICI metric scores from macroinvertebrate sampling sites (quantitative) in the Cuyahoga River basin study area, 1996.

River Mile	Drainage Area (sq mi)	Number of				Percent:					Qual. EPT	Eco-region	ICI
		Total Taxa	Mayfly Taxa	Caddisfly Taxa	Dipteran Taxa	Mayflies	Caddisflies	Tanytarsini	Other Dipt/NI	Tolerant Organisms			
Breakneck Creek (19-028)													
Year: 1996													
3.10	22.4	32(4)	5(4)	4(6)	16(4)	14.9(4)	9.5(6)	45.0(6)	30.3(4)	4.4(6)	8(4)	3	48
1.80	22.6	31(4)	3(2)	3(6)	17(4)	8.6(2)	15.9(6)	27.7(6)	46.7(2)	4.2(6)	6(2)	3	40
0.10	79.0	43(6)	4(2)	5(6)	19(4)	22.7(4)	23.3(6)	19.3(4)	33.8(4)	3.7(6)	6(2)	3	44
Potter Creek (19-029)													
Year: 1996													
1.80	3.1	34(4)	3(2)	3(6)	12(2)	3.4(2)	9.8(6)	17.6(4)	69.1(0)	8.7(6)	6(2)	3	34
Black Brook (19-033)													
Year: 1996													
1.80	12.5	24(2)	2(0)	3(6)	8(2)	0.2(2)	18.7(6)	72.1(6)	9.0(6)	0.8(6)	10(4)	3	40
Bridge Creek (19-035)													
Year: 1996													
1.30	29.0	28(4)	1(0)	4(6)	14(4)	0.4(2)	3.8(2)	1.9(2)	93.4(0)	6.1(6)	4(2)	3	28
West Branch Cuyahoga River (19-036)													
Year: 1996													
0.90	35.5	38(6)	4(2)	4(6)	16(4)	1.5(2)	2.0(2)	69.4(6)	26.6(6)	6.1(6)	11(4)	3	44

Appendix D. ICI metric scores from macroinvertebrate sampling sites (quantitative) in the Cuyahoga River lacustrine (RM 7.0-0.0), 1996.

River Mile	Percent Lacustrine	Number of			Percent:						Qual. EPT	Eco-region	LICI
		Total Taxa	Sensitive Taxa	Dipteran Taxa	Mayflies & Caddisflies	Gatherers ^a	Sensitive Organisms	Other Diptera ^b	Predom Taxon	Diptera/ft			
Cuyahoga River (19-001)													
Year: 1996													
5.80 E	82.9	38(6)	11(4)	18(4)	3.1(2)	48.4(6)	4.1(2)	82.0(2)	36.0(6)	276(4)	1(2)	3	38
5.00 W	71.4	24(4)	0(0)	17(4)	0.1(2)	73.0(4)	0.0(0)	89.1(2)	43.5(4)	99.0(6)	1(2)	3	28
4.30 E	61.4	14(2)	0(0)	7(2)	0.0(0)	97.1(0)	0.0(0)	99.8(0)	54.0(4)	145(6)	0(0)	3	14
3.30 E	47.1	15(2)	0(0)	6(0)	0.0(0)	99.5(0)	0.0(0)	99.9(0)	48.2(4)	248(4)	0(0)	3	10
1.20 W	17.1	20(2)	0(0)	5(0)	0.0(0)	94.8(0)	0.0(0)	99.7(0)	51.2(4)	213(4)	0(0)	3	10

^a Percent of total gatherers as individuals excluding zebra mussels (*Dreissena polymorpha*).

^b Percent of dipterans as individuals excluding the midge tribe Tanytarsini.

**Ohio EPA Monitoring and Assessment Section
Macroinvertebrate Collection**

Collection Date: 08/19/96 River Code: 19-001 River: Cuyahoga River

RM: 90.90

Taxa Code	Taxa	Quan/Qual	Taxa Code	Taxa	Quan/Qual
00653	<i>Eunapius fragilis</i>		80430	<i>Cricotopus (C.) tremulus group</i>	+
01320	<i>Hydra sp</i>	40	81231	<i>Nanocladius (N.) crassicornus or N. (N.) rectinervus</i>	10 +
01801	<i>Turbellaria</i>	2453	82141	<i>Thienemanniella xena</i>	+
03040	<i>Fredericella sp</i>	1	82880	<i>Cryptotendipes sp</i>	+
03121	<i>Paludicella articulata</i>	1	83002	<i>Dicrotendipes modestus</i>	+
03600	<i>Oligochaeta</i>	648	83040	<i>Dicrotendipes neomodestus</i>	10 +
04935	<i>Erpobdella punctata punctata</i>		83158	<i>Endochironomus nigricans</i>	+
06201	<i>Hyalella azteca</i>	48	83300	<i>Glyptotendipes (G.) sp</i>	19 +
08250	<i>Orconectes (Procericambarus) rusticus</i>		83820	<i>Microtendipes "caelum" (sensu Simpson & Bode, 1980)</i>	29 +
08601	<i>Hydracarina</i>	24	84210	<i>Paratendipes albimanus or P. duplicatus</i>	38
11130	<i>Baetis intercalaris</i>		84300	<i>Phaenopsectra obediens group</i>	29 +
17200	<i>Caenis sp</i>		84450	<i>Polypedilum (P.) convictum</i>	221 +
21200	<i>Calopteryx sp</i>		84470	<i>Polypedilum (P.) illinoense</i>	10 +
22001	<i>Coenagrionidae</i>		84540	<i>Polypedilum (Tripodura) scalaenum group</i>	288 +
23804	<i>Basiaeschna janata</i>		84800	<i>Tribelos jucundum</i>	10
43300	<i>Ranatra sp</i>		85500	<i>Paratanytarsus sp</i>	+
45100	<i>Palmacorixa sp</i>		85625	<i>Rheotanytarsus exiguus group</i>	10 +
47600	<i>Sialis sp</i>		87540	<i>Hemerodromia sp</i>	113 +
49200	<i>Climacia sp</i>		93200	<i>Hydrobiidae</i>	6 +
52200	<i>Cheumatopsyche sp</i>	456	95100	<i>Physella sp</i>	+
52530	<i>Hydropsyche depravata group</i>		96930	<i>Laevapex fuscus</i>	+
53800	<i>Hydroptila sp</i>	27	99100	<i>Pyganodon grandis</i>	+
54200	<i>Orthotrichia sp</i>	1			
54300	<i>Oxyethira sp</i>				
59140	<i>Ceraclea maculata</i>				
59550	<i>Oecetis inconspicua complex sp A (sensu Floyd, 1995)</i>	16	No. Quantitative Taxa: 30	Total Taxa: 61	
60300	<i>Dineutus sp</i>		No. Qualitative Taxa: 49	ICI: 28	
60400	<i>Gyrinus sp</i>		Number of Organisms: 4919	Qual EPT: 7	
65800	<i>Berosus sp</i>				
68702	<i>Dubiraphia bivittata</i>	8			
74100	<i>Simulium sp</i>				
74501	<i>Ceratopogonidae</i>	8			
77130	<i>Ablabesmyia rhamphe group</i>	87			
77355	<i>Clinotanypus pinguis</i>				
77500	<i>Conchapelopia sp</i>	10			
77750	<i>Hayesomyia senata or Thienemannimyia norena</i>	250			
78600	<i>Pentaneura inconspicua</i>	48			
78655	<i>Procladius (Holotanypus) sp</i>				
80420	<i>Cricotopus (C.) bicinctus</i>				

**Ohio EPA Monitoring and Assessment Section
Macroinvertebrate Collection**

Collection Date: 08/19/96 River Code: 19-001 River: Cuyahoga River

RM: 87.30

Taxa Code	Taxa	Quan/Qual	Taxa Code	Taxa	Quan/Qual
00401	<i>Spongillidae</i>		81259	<i>Nanocladius (N.) rectinervis</i>	143 +
01320	<i>Hydra sp</i>	56	81631	<i>Parakiefferiella n.sp 1</i>	13
01801	<i>Turbellaria</i>	120 +	82141	<i>Thienemanniella xena</i>	16
03600	<i>Oligochaeta</i>	120 +	82700	<i>Chironomus sp</i>	13
04664	<i>Helobdella stagnalis</i>		83040	<i>Dicrotendipes neomodestus</i>	+
04935	<i>Erpobdella punctata punctata</i>		83051	<i>Dicrotendipes simpsoni</i>	130
05800	<i>Caecidotea sp</i>	426 +	83158	<i>Endochironomus nigricans</i>	169 +
06201	<i>Hyalella azteca</i>	502 +	83300	<i>Glyptotendipes (G.) sp</i>	78 +
08260	<i>Orconectes (Crockerinus) sanbornii sanbornii</i>	1	83600	<i>Kiefferulus (K.) dux</i>	13
11130	<i>Baetis intercalaris</i>	9	83840	<i>Microtendipes pedellus group</i>	39
11200	<i>Callibaetis sp</i>		83860	<i>Microtendipes rydalensis</i>	13
14950	<i>Leptophlebia sp or Paraleptophebia sp</i>	17	84000	<i>Parachironomus sp</i>	13
21200	<i>Calopteryx sp</i>		84020	<i>Parachironomus carinatus</i>	13
22001	<i>Coenagrionidae</i>		84404	<i>Polypedilum (Pentapedilum) n.sp 1</i>	13
23804	<i>Basiaeschna janata</i>		84450	<i>Polypedilum (P.) convictum</i>	26
26100	<i>Cordulegaster sp</i>		84460	<i>Polypedilum (P.) fallax group</i>	52
28955	<i>Libellula lydia</i>		84470	<i>Polypedilum (P.) illinoense</i>	13 +
42700	<i>Belostoma sp</i>		84520	<i>Polypedilum (Tripodura) halterale group</i>	13
45100	<i>Palmacorixa sp</i>		84540	<i>Polypedilum (Tripodura) scalaenum group</i>	104 +
45400	<i>Trichocorixa sp</i>		84700	<i>Stenochironomus sp</i>	+
47600	<i>Sialis sp</i>		84800	<i>Tribelos jucundum</i>	26
51600	<i>Polycentropus sp</i>	4 +	84888	<i>Xenochironomus xenolabis</i>	+
52200	<i>Cheumatopsyche sp</i>	295 +	85400	<i>Micropsectra sp</i>	13
59570	<i>Oecetis nocturna</i>	11	85500	<i>Paratanytarsus sp</i>	455 +
59580	<i>Oecetis persimilis</i>		85615	<i>Rheotanytarsus distinctissimus group</i>	13
59950	<i>Paraponyx sp</i>		85625	<i>Rheotanytarsus exiguus group</i>	13
60900	<i>Peltodytes sp</i>		85802	<i>Tanytarsus curticornis group</i>	39
68601	<i>Ancyronyx variegata</i>		86100	<i>Chrysops sp</i>	+
68702	<i>Dubiraphia bivittata</i>	1 +	92613	<i>Cipangopaludina chinensis malleata</i>	+
68901	<i>Macronychus glabratus</i>		93200	<i>Hydrobiidae</i>	12 +
77130	<i>Ablabesmyia rhamphe group</i>	130	96900	<i>Ferrissia sp</i>	1
77140	<i>Ablabesmyia peleensis</i>		98200	<i>Pisidium sp</i>	8
77355	<i>Clinotanypus pinguis</i>		98600	<i>Sphaerium sp</i>	+
77500	<i>Conchapelopia sp</i>	26 +	<hr/> No. Quantitative Taxa: 44 Total Taxa: 72		
77750	<i>Hayesomyia senata or Thienemannimyia norena</i>	13	No. Qualitative Taxa: 43 ICI: 30		
78140	<i>Labrundinia pilosella</i>	13	Number of Organisms: 3230 Qual EPT: 4		
78401	<i>Natarsia species A (sensu Roback, 1978)</i>				
78655	<i>Procladius (Holotanypus) sp</i>				
80370	<i>Corynoneura lobata</i>	32			

**Ohio EPA Monitoring and Assessment Section
Macroinvertebrate Collection**

Collection Date: 08/20/96 River Code: 19-001 River: Cuyahoga River

RM: 84.10

Taxa Code	Taxa	Quan/Qual	Taxa Code	Taxa	Quan/Qual
00700	<i>Radiospongilla crateriformis</i>	+	65700	<i>Anacaena sp</i>	+
01320	<i>Hydra sp</i>	4	67000	<i>Helophorus sp</i>	+
01801	<i>Turbellaria</i>	17	68601	<i>Ancyronyx variegata</i>	+
03121	<i>Paludicella articulata</i>	+	68702	<i>Dubiraphia bivittata</i>	+
03600	<i>Oligochaeta</i>	80	68708	<i>Dubiraphia vittata group</i>	+
04664	<i>Helobdella stagnalis</i>	+	68901	<i>Macronychus glabratus</i>	1
04685	<i>Placobdella ornata</i>	+	72700	<i>Anopheles sp</i>	+
05800	<i>Caecidotea sp</i>	56	74100	<i>Simulium sp</i>	+
06201	<i>Hyalella azteca</i>	21	77130	<i>Ablabesmyia rhamphe group</i>	64
06700	<i>Crangonyx sp</i>	+	77355	<i>Clinotanypus pinguis</i>	+
08260	<i>Orconectes (Crockerinus) sanbornii</i>	2	77500	<i>Conchapelopia sp</i>	+
08601	<i>Hydracarina</i>	8	77750	<i>Hayesomyia senata or Thienemannimyia norena</i>	32
11125	<i>Labiobaetis frondalis</i>	+	77800	<i>Helopelopia sp</i>	64
11130	<i>Baetis intercalaris</i>	101	78600	<i>Pentaneura inconspicua</i>	+
11670	<i>Procloeon irrubrum</i>	+	78655	<i>Procladius (Holotanypus) sp</i>	+
13400	<i>Stenacron sp</i>	8	80370	<i>Corynoneura lobata</i>	24
14950	<i>Leptophlebia sp or Paraleptophebia sp</i>	16	80420	<i>Cricotopus (C.) bicinctus</i>	64
17200	<i>Caenis sp</i>	+	80430	<i>Cricotopus (C.) tremulus group</i>	32
18750	<i>Hexagenia limbata</i>	+	81231	<i>Nanocladius (N.) crassicornus or N. (N.) rectinervus</i>	32
21200	<i>Calopteryx sp</i>	+	81631	<i>Parakiefferiella n.sp 1</i>	64
22001	<i>Coenagrionidae</i>	+	81650	<i>Parametriocnemus sp</i>	32
22300	<i>Argia sp</i>	1	81825	<i>Rheocricotopus (Psilocricotopus) robacki</i>	32
23804	<i>Basiaeschna janata</i>	+	82101	<i>Thienemanniella n.sp 1</i>	+
42700	<i>Belostoma sp</i>	+	82121	<i>Thienemanniella n.sp 3</i>	104
43300	<i>Ranatra sp</i>	+	82141	<i>Thienemanniella xena</i>	24
43570	<i>Neoplea sp</i>	+	82600	<i>Axarus sp</i>	+
45100	<i>Palmarixia sp</i>	+	83860	<i>Microtendipes rydalensis</i>	510
45400	<i>Trichocorixa sp</i>	+	84404	<i>Polypedilum (Pentapedilum) n.sp 1</i>	+
47600	<i>Sialis sp</i>	+	84450	<i>Polypedilum (P.) convictum</i>	96
51300	<i>Neureclipsis sp</i>	+	84460	<i>Polypedilum (P.) fallax group</i>	32
51600	<i>Polycentropus sp</i>	10	84470	<i>Polypedilum (P.) illinoense</i>	+
52200	<i>Cheumatopsyche sp</i>	464	84540	<i>Polypedilum (Tripodura) scalaenum group</i>	255
52550	<i>Hydropsyche frisoni</i>	+	84700	<i>Stenochironomus sp</i>	+
53800	<i>Hydroptila sp</i>	18	84790	<i>Tribelos fuscicorne</i>	32
57900	<i>Pycnopsyche sp</i>	+	84800	<i>Tribelos jucundum</i>	32
59410	<i>Nectopsyche diarina</i>	+	85201	<i>Cladotanytarsus species group A</i>	+
59570	<i>Oecetis nocturna</i>	2	85230	<i>Cladotanytarsus mancus group</i>	+
59950	<i>Parapopynx sp</i>	+	85500	<i>Paratanytarsus sp</i>	32
60300	<i>Dineutus sp</i>	4	85615	<i>Rheotanytarsus distinctissimus group</i>	64
63300	<i>Hydroporus sp</i>	+			

**Ohio EPA Monitoring and Assessment Section
Macroinvertebrate Collection**

Collection Date: 08/20/96 River Code: 19-001 River: Cuyahoga River

RM: 84.10

Taxa Code	Taxa	Quan/Qual	Taxa Code	Taxa	Quan/Qual
85625	<i>Rheotanytarsus exiguus group</i>	574 +			
85814	<i>Tanytarsus glabrescens group</i>	351			
86100	<i>Chrysops sp</i>	+			
87540	<i>Hemerodromia sp</i>	24 +			
93200	<i>Hydrobiidae</i>	+			
95100	<i>Physella sp</i>	8 +			
96900	<i>Ferrissia sp</i>	2 +			
98600	<i>Sphaerium sp</i>	+			

No. Quantitative Taxa: 42 Total Taxa: 87
 No. Qualitative Taxa: 71 ICI: 42
 Number of Organisms: 3393 Qual EPT: 12

**Ohio EPA Monitoring and Assessment Section
Macroinvertebrate Collection**

Collection Date: 08/20/96 River Code: 19-001 River: Cuyahoga River

RM: 80.40

Taxa Code	Taxa	Quan/Qual	Taxa Code	Taxa	Quan/Qual
00401	<i>Spongillidae</i>		81210	<i>Nanocladius (N.) alternantherae</i>	32
01801	<i>Turbellaria</i>	21	81231	<i>Nanocladius (N.) crassicornus</i> or <i>N. (N.) rectinervus</i>	32
03121	<i>Paludicella articulata</i>	1			
03600	<i>Oligochaeta</i>	16	81631	<i>Parakiefferiella n.sp I</i>	32
05800	<i>Caecidotea sp</i>		82141	<i>Thienemanniella xena</i>	32 +
06201	<i>Hyalella azteca</i>	40	82820	<i>Cryptochironomus sp</i>	+
08601	<i>Hydracarina</i>	16	83158	<i>Endochironomus nigricans</i>	32 +
11130	<i>Baetis intercalaris</i>	36	83300	<i>Glyptotendipes (G.) sp</i>	+
11200	<i>Callibaetis sp</i>		83840	<i>Microtendipes pedellus group</i>	32
13400	<i>Stenacron sp</i>	1	83860	<i>Microtendipes rydalensis</i>	32
17200	<i>Caenis sp</i>	8	84000	<i>Parachironomus sp</i>	32
21200	<i>Calopteryx sp</i>	1	84450	<i>Polypedilum (P.) convictum</i>	573 +
22001	<i>Coenagrionidae</i>		84460	<i>Polypedilum (P.) fallax group</i>	64
23804	<i>Basiaeschna janata</i>		84470	<i>Polypedilum (P.) illinoense</i>	95 +
42700	<i>Belostoma sp</i>		84540	<i>Polypedilum (Tripodura) scalaenum group</i>	223 +
43300	<i>Ranatra sp</i>		84790	<i>Tribelos fuscicorne</i>	32
45100	<i>Palmacorixa sp</i>		84800	<i>Tribelos jucundum</i>	+
47600	<i>Sialis sp</i>	1	85500	<i>Paratanytarsus sp</i>	32
51206	<i>Cyrnellus fraternus</i>	66	85625	<i>Rheotanytarsus exiguus group</i>	1145 +
51300	<i>Neureclipsis sp</i>	11	92613	<i>Cipangopaludina chinensis malleata</i>	+
51600	<i>Polycentropus sp</i>	2	93200	<i>Hydrobiidae</i>	7 +
52200	<i>Cheumatopsyche sp</i>	469	95100	<i>Physella sp</i>	+
53800	<i>Hydroptila sp</i>	64	96900	<i>Ferrissia sp</i>	17
57900	<i>Pycnopsyche sp</i>		98600	<i>Sphaerium sp</i>	+
59500	<i>Oecetis sp</i>		No. Quantitative Taxa: 41 Total Taxa: 63		
59570	<i>Oecetis nocturna</i>	5	No. Qualitative Taxa: 46 ICI: 40		
59950	<i>Parapoynx sp</i>		Number of Organisms: 3563 Qual EPT: 10		
60300	<i>Dineutus sp</i>	2			
60400	<i>Gyrinus sp</i>				
60900	<i>Peltodytes sp</i>				
65700	<i>Anacaena sp</i>				
68901	<i>Macronychus glabratus</i>	8			
74100	<i>Simulium sp</i>				
74501	<i>Ceratopogonidae</i>	8			
77130	<i>Ablabesmyia rhamphe group</i>	127			
77750	<i>Hayesomyia senata</i> or <i>Thienemannimyia norena</i>	64			
78600	<i>Pentaneura inconspicua</i>	64			
78680	<i>Procladius (Psilotanypus) bellus</i>				
80370	<i>Corynoneura lobata</i>	24			
80420	<i>Cricotopus (C.) bicinctus</i>	64			

**Ohio EPA Monitoring and Assessment Section
Macroinvertebrate Collection**

Collection Date: 08/20/96 River Code: 19-001 River: Cuyahoga River

RM: 75.80

Taxa Code	Taxa	Quan/Qual	Taxa Code	Taxa	Quan/Qual
01320	<i>Hydra sp</i>	32	60300	<i>Dineutus sp</i>	12 +
01801	<i>Turbellaria</i>	153 +	60900	<i>Peltodytes sp</i>	+
03121	<i>Paludicella articulata</i>	1 +	68601	<i>Ancyronyx variegata</i>	32
03360	<i>Plumatella sp</i>	1	68901	<i>Macronychus glabratus</i>	10
03451	<i>Urnatella gracilis</i>	1 +	69400	<i>Stenelmis sp</i>	4 +
03600	<i>Oligochaeta</i>	736 +	74100	<i>Simulium sp</i>	18
04653	<i>Glossiphonia complanata</i>	+	77130	<i>Ablabesmyia rhamphe group</i>	+
04664	<i>Helobdella stagnalis</i>	+	77500	<i>Conchapelopia sp</i>	+
05800	<i>Caecidotea sp</i>	+	77750	<i>Hayesomyia senata or Thienemannimyia norena</i>	540 +
06201	<i>Hyaella azteca</i>	+	78450	<i>Nilotanypus fimbriatus</i>	270 +
08260	<i>Orconectes (Crockerinus) sanbornii sanbornii</i>	+	78600	<i>Pentaneura inconspicua</i>	+
08601	<i>Hydracarina</i>	224	78655	<i>Procladius (Holotanypus) sp</i>	+
11130	<i>Baetis intercalaris</i>	133 +	80420	<i>Cricotopus (C.) bicinctus</i>	+
12200	<i>Isonychia sp</i>	9	82820	<i>Cryptochironomus sp</i>	+
13400	<i>Stenacron sp</i>	76 +	83040	<i>Dicrotendipes neomodestus</i>	+
13590	<i>Stenonema vicarium</i>	5	83300	<i>Glyptotendipes (G.) sp</i>	+
14950	<i>Leptophlebia sp or Paraleptophebia sp</i>	64	83840	<i>Microtendipes pedellus group</i>	+
16700	<i>Tricorythodes sp</i>	450 +	83860	<i>Microtendipes rydalensis</i>	1080 +
21200	<i>Calopteryx sp</i>	+	84300	<i>Phaenopsectra obediens group</i>	+
22001	<i>Coenagrionidae</i>	+	84420	<i>Polypedilum (P.) n.sp 1</i>	4
22300	<i>Argia sp</i>	+	84450	<i>Polypedilum (P.) convictum</i>	810 +
23804	<i>Basiaeschna janata</i>	+	84540	<i>Polypedilum (Tripodura) scalaenum group</i>	+
28500	<i>Libellula sp</i>	+	84700	<i>Stenochironomus sp</i>	+
42700	<i>Belostoma sp</i>	+	85625	<i>Rheotanytarsus exiguus group</i>	25652 +
43300	<i>Ranatra sp</i>	+	87540	<i>Hemerodromia sp</i>	105 +
45300	<i>Sigara sp</i>	+	93200	<i>Hydrobiidae</i>	+
45400	<i>Trichocorixa sp</i>	+	95100	<i>Physella sp</i>	+
47600	<i>Sialis sp</i>	+	98600	<i>Sphaerium sp</i>	1 +
48620	<i>Nigronia serricornis</i>	+			
50315	<i>Chimarra obscura</i>	231 +	No. Quantitative Taxa: 35		Total Taxa: 68
51300	<i>Neureclipsis sp</i>	11 +	No. Qualitative Taxa: 55		ICI: 44
52200	<i>Cheumatopsyche sp</i>	3983 +	Number of Organisms: 34901		Qual EPT: 11
52450	<i>Ceratopsyche sparna</i>	2			
52530	<i>Hydropsyche depravata group</i>	64 +			
52570	<i>Hydropsyche simulans</i>	6			
52620	<i>Macrostemum zebratum</i>	81 +			
53800	<i>Hydroptila sp</i>	32 +			
57900	<i>Pycnopsyche sp</i>	+			
59100	<i>Ceraclea sp</i>	+			
59580	<i>Oecetis persimilis</i>	68			

**Ohio EPA Monitoring and Assessment Section
Macroinvertebrate Collection**

Collection Date: 08/20/96 River Code: 19-001 River: Cuyahoga River

RM: 71.70

Taxa Code	Taxa	Quan/Qual	Taxa Code	Taxa	Quan/Qual
00401	<i>Spongillidae</i>	+	57900	<i>Pycnopsyche sp</i>	+
01320	<i>Hydra sp</i>	28	59580	<i>Oecetis persimilis</i>	1 +
01801	<i>Turbellaria</i>	18 +	60300	<i>Dineutus sp</i>	3 +
03121	<i>Paludicella articulata</i>	1	68075	<i>Psephenus herricki</i>	+
03600	<i>Oligochaeta</i>	52 +	68702	<i>Dubiraphia bivittata</i>	2 +
04686	<i>Placobdella papillifera</i>	+	68901	<i>Macronychus glabratus</i>	+
06201	<i>Hyalella azteca</i>	+	74100	<i>Simulium sp</i>	+
08260	<i>Orconectes (Crokerinus) sanbornii</i>	1 +	77115	<i>Ablabesmyia janta</i>	4
			77120	<i>Ablabesmyia mallochi</i>	4
11130	<i>Baetis intercalaris</i>	343 +	77150	<i>Ablabesmyia simpsoni</i>	+
11150	<i>Labiobaetis propinquus</i>	+	77500	<i>Conchapelopia sp</i>	+
11155	<i>Baetis punctiventris</i>	18 +	77740	<i>Hayesomyia senata</i>	7
11651	<i>Procloeon sp (w/o hindwing pads)</i>	37 +	77800	<i>Helopelopia sp</i>	7 +
12200	<i>Isonychia sp</i>	26 +	78140	<i>Labrundinia pilosella</i>	4
13400	<i>Stenacron sp</i>	789 +	78450	<i>Nilotanytus fimbriatus</i>	21 +
13510	<i>Stenonema exiguum</i>	24 +	78600	<i>Pentaneura inconspicua</i>	4
13540	<i>Stenonema mediopunctatum</i>	2	78655	<i>Procladius (Holotanytus) sp</i>	+
13561	<i>Stenonema pulchellum</i>	225 +	80360	<i>Corynoneura "celeripes" (sensu Simpson & Bode, 1980)</i>	4
14950	<i>Leptophlebia sp or Paraleptophebia sp</i>	16	80370	<i>Corynoneura lobata</i>	4
16700	<i>Tricorythodes sp</i>	5	80410	<i>Cricotopus (C.) sp</i>	4 +
17100	<i>Brachycercus sp</i>	+	80420	<i>Cricotopus (C.) bicinctus</i>	14 +
17200	<i>Caenis sp</i>	131 +	81825	<i>Rheocricotopus (Psilocricotopus) robacki</i>	11 +
18704	<i>Hexagenia atrocaudata</i>	+	82070	<i>Synorthocladius semivirens</i>	4
21200	<i>Calopteryx sp</i>	+	82141	<i>Thienemanniella xena</i>	14
22300	<i>Argia sp</i>	4	82820	<i>Cryptochironomus sp</i>	+
23909	<i>Boyeria vinosa</i>	+	82880	<i>Cryptotendipes sp</i>	+
24900	<i>Gomphus sp</i>	+	83040	<i>Dicrotendipes neomodestus</i>	4 +
25620	<i>Stylurus spiniceps</i>	+	83410	<i>Harnischia curtilamellata</i>	+
34130	<i>Acroneuria frisoni</i>	2 +	83820	<i>Microtendipes "caelum" (sensu Simpson & Bode, 1980)</i>	+
34700	<i>Agnetina capitata complex</i>	+	83860	<i>Microtendipes rydalensis</i>	115 +
48620	<i>Nigronia serricornis</i>	+	84116	<i>Paracladopelma nereis</i>	+
50315	<i>Chimarra obscura</i>	2 +	84302	<i>Phaenopsectra punctipes</i>	4
51300	<i>Neureclipsis sp</i>	+	84450	<i>Polypedilum (P.) convictum</i>	14 +
51400	<i>Nyctiophylax sp</i>	+	84460	<i>Polypedilum (P.) fallax group</i>	47
51600	<i>Polycentropus sp</i>	1 +	84470	<i>Polypedilum (P.) illinoense</i>	4 +
52200	<i>Cheumatopsyche sp</i>	57 +	84540	<i>Polypedilum (Tripodura) scalaenum group</i>	39
52430	<i>Ceratopsyche morosa group</i>	1	84700	<i>Stenochironomus sp</i>	+
52550	<i>Hydropsyche frisoni</i>	15 +	84790	<i>Tribelos fuscicorne</i>	4
52620	<i>Macrostemum zebratum</i>	80 +	85264	<i>Cladotanytus vanderwulpi group Type 4</i>	+
53800	<i>Hydroptila sp</i>	12 +			
57400	<i>Neophylax sp</i>	+			

**Ohio EPA Monitoring and Assessment Section
Macroinvertebrate Collection**

Collection Date: 08/20/96 River Code: 19-001 River: Cuyahoga River

RM: 71.70

Taxa Code	Taxa	Quan/Qual	Taxa Code	Taxa	Quan/Qual
85625	<i>Rheotanytarsus exiguus group</i>	+			
85800	<i>Tanytarsus sp</i>	4			
85814	<i>Tanytarsus glabrescens group</i>	4			
87540	<i>Hemerodromia sp</i>	16			
92505	<i>Campeloma sp</i>	+			
93200	<i>Hydrobiidae</i>	5			+
93900	<i>Elimia sp</i>	2			+
95100	<i>Physella sp</i>	14			+
96264	<i>Planorbella (Pierosoma) pilsbryi</i>	1			
96900	<i>Ferrissia sp</i>	344			+
98600	<i>Sphaerium sp</i>	+			

No. Quantitative Taxa:	58	Total Taxa:	90
No. Qualitative Taxa:	66	ICI:	44
Number of Organisms:	2623	Qual EPT:	24

**Ohio EPA Monitoring and Assessment Section
Macroinvertebrate Collection**

Collection Date: 08/21/96 River Code: 19-001 River: Cuyahoga River

RM: 67.60

Taxa Code	Taxa	Quan/Qual	Taxa Code	Taxa	Quan/Qual
00401	<i>Spongillidae</i>		74100	<i>Simulium sp</i>	+
01801	<i>Turbellaria</i>		74501	<i>Ceratopogonidae</i>	20
03600	<i>Oligochaeta</i>	93	77120	<i>Ablabesmyia mallochi</i>	43
05800	<i>Caecidotea sp</i>		77130	<i>Ablabesmyia rhamphe group</i>	43
06201	<i>Hyalella azteca</i>	4	77355	<i>Clinotanypus pinguis</i>	+
06700	<i>Crangonyx sp</i>		77500	<i>Conchapelopia sp</i>	14
08260	<i>Orconectes (Crockerinus) sanbornii sanbornii</i>		77750	<i>Hayesomyia senata or Thienemannimyia norena</i>	56
11130	<i>Baetis intercalaris</i>	33	77800	<i>Helopelopia sp</i>	56
11150	<i>Labiobaetis propinquus</i>		78140	<i>Labrundinia pilosella</i>	8
11155	<i>Baetis punctiventris</i>	24	78655	<i>Procladius (Holotanypus) sp</i>	+
11651	<i>Proclleon sp (w/o hindwing pads)</i>	2	80370	<i>Corynoneura lobata</i>	14
11670	<i>Proclleon irrubrum</i>		80410	<i>Cricotopus (C.) sp</i>	71
12200	<i>Isonychia sp</i>	13	80420	<i>Cricotopus (C.) bicinctus</i>	99
13400	<i>Stenacron sp</i>	108	80430	<i>Cricotopus (C.) tremulus group</i>	43
13510	<i>Stenonema exiguum</i>	12	81631	<i>Parakiefferiella n.sp I</i>	14
13561	<i>Stenonema pulchellum</i>	133	81825	<i>Rheocricotopus (Psilocricotopus) robacki</i>	43
14950	<i>Leptophlebia sp or Paraleptophebia sp</i>	32	82141	<i>Thienemanniella xena</i>	28
17200	<i>Caenis sp</i>	109	82880	<i>Cryptotendipes sp</i>	+
18708	<i>Hexagenia bilineata</i>		83040	<i>Dicrotendipes neomodestus</i>	+
22001	<i>Coenagrionidae</i>		83820	<i>Microtendipes "caelum" (sensu Simpson & Bode, 1980)</i>	71
22300	<i>Argia sp</i>		83860	<i>Microtendipes rydalensis</i>	522
26700	<i>Macromia sp</i>		84155	<i>Paralauterborniella nigrohalteralis</i>	14
47600	<i>Sialis sp</i>		84302	<i>Phaenopsectra punctipes</i>	+
48620	<i>Nigronia serricornis</i>		84450	<i>Polypedilum (P.) convictum</i>	28
51600	<i>Polycentropus sp</i>	11	84460	<i>Polypedilum (P.) fallax group</i>	71
52200	<i>Cheumatopsyche sp</i>	106	84470	<i>Polypedilum (P.) illinoense</i>	+
52550	<i>Hydropsyche frisoni</i>	1	84540	<i>Polypedilum (Tripodura) scalaenum group</i>	141
52620	<i>Macrostemum zebratum</i>	31	84800	<i>Tribelos jucundum</i>	14
53800	<i>Hydroptila sp</i>	9	85261	<i>Cladotanytarsus vanderwulpi group Type I</i>	14
57900	<i>Pycnopsyche sp</i>	1	85625	<i>Rheotanytarsus exiguus group</i>	197
59400	<i>Nectopsyche sp</i>	1	85814	<i>Tanytarsus glabrescens group</i>	43
59500	<i>Oecetis sp</i>	4	85840	<i>Tanytarsus guerlus group</i>	28
60300	<i>Dineutus sp</i>	2	86100	<i>Chrysops sp</i>	+
60900	<i>Peltodytes sp</i>		87540	<i>Hemerodromia sp</i>	8
68601	<i>Ancyronyx variegata</i>		92330	<i>Valvata tricarinata tricarinata</i>	+
68702	<i>Dubiraphia bivittata</i>		92613	<i>Cipangopaludina chinensis malleata</i>	+
68708	<i>Dubiraphia vittata group</i>	4	93200	<i>Hydrobiidae</i>	+
68901	<i>Macronychus glabratus</i>	2	95100	<i>Physella sp</i>	+
69400	<i>Stenelmis sp</i>	8	96900	<i>Ferrissia sp</i>	12
72700	<i>Anopheles sp</i>				+

**Ohio EPA Monitoring and Assessment Section
Macroinvertebrate Collection**

Collection Date: 08/21/96 River Code: 19-001 River: Cuyahoga River

RM: 67.60

Taxa Code	Taxa	Quan/Qual	Taxa Code	Taxa	Quan/Qual
98200	<i>Pisidium sp</i>	1			

No. Quantitative Taxa: 51 Total Taxa: 80
No. Qualitative Taxa: 60 ICI: **40**
Number of Organisms: 2459 Qual EPT: **17**

**Ohio EPA Monitoring and Assessment Section
Macroinvertebrate Collection**

Collection Date: 08/21/96 River Code: 19-001 River: Cuyahoga River

RM: 64.20

Taxa Code	Taxa	Quan/Qual	Taxa Code	Taxa	Quan/Qual
00401	<i>Spongillidae</i>	+	52540	<i>Hydropsyche dicantha</i>	9 +
01320	<i>Hydra sp</i>	4	52550	<i>Hydropsyche frisoni</i>	78 +
01801	<i>Turbellaria</i>	21 +	52620	<i>Macrostemum zebratum</i>	571 +
03600	<i>Oligochaeta</i>	44 +	53501	<i>Hydroptilidae</i>	1
05800	<i>Caecidotea sp</i>	+	57400	<i>Neophylax sp</i>	+
06201	<i>Hyalella azteca</i>	+	57900	<i>Pycnopsyche sp</i>	+
08260	<i>Orconectes (Crockerinus) sanbornii</i>	+	58505	<i>Helicopsyche borealis</i>	+
			59110	<i>Ceraclea ancylus</i>	+
08601	<i>Hydracarina</i>	4 +	59160	<i>Ceraclea spongillovorax</i>	+
11120	<i>Baetis flavistriga</i>	27 +	59310	<i>Mystacides sepulchralis</i>	+
11130	<i>Baetis intercalaris</i>	161 +	59410	<i>Nectopsyche diarina</i>	1 +
11150	<i>Labiobaetis propinquus</i>	+	59580	<i>Oecetis persimilis</i>	4 +
11155	<i>Baetis punctiventris</i>	51 +	59970	<i>Petrophila sp</i>	+
11670	<i>Procloeon irrubrum</i>	+	60300	<i>Dineutus sp</i>	4 +
12200	<i>Isonychia sp</i>	445 +	68702	<i>Dubiraphia bivittata</i>	+
13400	<i>Stenacron sp</i>	46 +	68901	<i>Macronychus glabratus</i>	15 +
13561	<i>Stenonema pulchellum</i>	875 +	69400	<i>Stenelmis sp</i>	1 +
13570	<i>Stenonema terminatum</i>	1 +	74100	<i>Simulium sp</i>	4 +
16700	<i>Tricorythodes sp</i>	+	77100	<i>Ablabesmyia sp</i>	+
17100	<i>Brachycercus sp</i>	+	77500	<i>Conchapelopia sp</i>	+
17200	<i>Caenis sp</i>	62 +	77750	<i>Hayesomyia senata or Thienemannimyia norena</i>	48 +
18100	<i>Anthopotamus sp</i>	+			
19102	<i>Ephoron album</i>	+	77800	<i>Helopelopia sp</i>	+
21200	<i>Calopteryx sp</i>	+	78450	<i>Nilotanypus fimbriatus</i>	20 +
21300	<i>Hetaerina sp</i>	+	78600	<i>Pentaneura inconspicua</i>	12
22001	<i>Coenagrionidae</i>	+	80310	<i>Cardiocladius obscurus</i>	+
22300	<i>Argia sp</i>	+	80360	<i>Corynoneura "celeripes" (sensu Simpson & Bode, 1980)</i>	12
23909	<i>Boyeria vinosa</i>	+	80370	<i>Corynoneura lobata</i>	20
25620	<i>Stylurus spiniceps</i>	+	80420	<i>Cricotopus (C.) bicinctus</i>	6 +
34130	<i>Acroneuria frisoni</i>	3 +	81060	<i>Lopescladius sp</i>	+
34140	<i>Acroneuria internata</i>	+	81229	<i>Nanocladius (N.) crassicornus</i>	+
34410	<i>Paragnetina media</i>	4	81465	<i>Orthocladius (O.) carlatus</i>	6 +
43300	<i>Ranatra sp</i>	+	81825	<i>Rheocricotopus (Psilocricotopus) robacki</i>	24
48410	<i>Corydalis cornutus</i>	5 +	82141	<i>Thienemanniella xena</i>	24
48620	<i>Nigronia serricornis</i>	1 +	82220	<i>Tvetenia discoloripes group</i>	77 +
50315	<i>Chimarra obscura</i>	2 +	82820	<i>Cryptochironomus sp</i>	+
50906	<i>Psychomyia flavida</i>	+	83410	<i>Harnischia curtilamellata</i>	+
51300	<i>Neureclipsis sp</i>	+	83820	<i>Microtendipes "caelum" (sensu Simpson & Bode, 1980)</i>	6 +
52200	<i>Cheumatopsyche sp</i>	195 +	83860	<i>Microtendipes rydalensis</i>	6
52430	<i>Ceratopsyche morosa group</i>	266 +			
52530	<i>Hydropsyche depravata group</i>	289 +			

**Ohio EPA Monitoring and Assessment Section
Macroinvertebrate Collection**

Collection Date: 08/21/96 River Code: 19-001 River: Cuyahoga River

RM: 64.20

Taxa Code	Taxa	Quan/Qual	Taxa Code	Taxa	Quan/Qual
84300	<i>Phaenopsectra obediens group</i>				+
84302	<i>Phaenopsectra punctipes</i>				+
84450	<i>Polypedilum (P.) convictum</i>	315			+
84460	<i>Polypedilum (P.) fallax group</i>	6			+
84470	<i>Polypedilum (P.) illinoense</i>				+
84540	<i>Polypedilum (Tripodura) scalaenum group</i>				+
84800	<i>Tribelos jucundum</i>				+
84888	<i>Xenochironomus xenolabis</i>				+
85625	<i>Rheotanytarsus exiguus group</i>	65			+
85814	<i>Tanytarsus glabrescens group</i>	6			
92505	<i>Campeloma sp</i>				+
93200	<i>Hydrobiidae</i>	1			+
93900	<i>Elimia sp</i>				+
95100	<i>Physella sp</i>				+
96900	<i>Ferrissia sp</i>	24			
98600	<i>Sphaerium sp</i>	2			+

No. Quantitative Taxa:	49	Total Taxa:	94
No. Qualitative Taxa:	83	ICI:	52
Number of Organisms:	3874	Qual EPT:	33

**Ohio EPA Monitoring and Assessment Section
Macroinvertebrate Collection**

Collection Date: 08/21/96 River Code: 19-001 River: Cuyahoga River

RM: 57.60

Taxa Code	Taxa	Quan/Qual	Taxa Code	Taxa	Quan/Qual
01320	<i>Hydra sp</i>	97	84450	<i>Polypedilum (P.) convictum</i>	101
01801	<i>Turbellaria</i>	122 +	84470	<i>Polypedilum (P.) illinoense</i>	+
03360	<i>Plumatella sp</i>	8	84540	<i>Polypedilum (Tripodura) scalaenum group</i>	25 +
03600	<i>Oligochaeta</i>	152 +	84700	<i>Stenochironomus sp</i>	25
05800	<i>Caecidotea sp</i>	+	84960	<i>Pseudochironomus sp</i>	13
06201	<i>Hyaella azteca</i>	542 +	85625	<i>Rheotanytarsus exiguus group</i>	38
06700	<i>Crangonyx sp</i>	34 +	85840	<i>Tanytarsus guerlus group</i>	38 +
08260	<i>Orconectes (Crokerinus) sanbornii sanbornii</i>	1 +	93200	<i>Hydrobiidae</i>	27 +
13400	<i>Stenacron sp</i>	1 +	95100	<i>Physella sp</i>	1 +
17200	<i>Caenis sp</i>	37	96002	<i>Helisoma anceps anceps</i>	72 +
21200	<i>Calopteryx sp</i>	9	96930	<i>Laevapex fuscus</i>	9 +
22001	<i>Coenagrionidae</i>	2 +	98600	<i>Sphaerium sp</i>	+
22300	<i>Argia sp</i>	106 +	99100	<i>Pyganodon grandis</i>	+
24107	<i>Nasiaeschna pentacantha</i>	+	No. Quantitative Taxa: 37 Total Taxa: 51		
42700	<i>Belostoma sp</i>	+	No. Qualitative Taxa: 35 ICI: 24		
47600	<i>Sialis sp</i>	+	Number of Organisms: 3205 Qual EPT: 5		
51206	<i>Cyrnellus fraternus</i>	3			
52200	<i>Cheumatopsyche sp</i>	98 +			
52540	<i>Hydropsyche dicantha</i>	+			
53800	<i>Hydroptila sp</i>	34 +			
54200	<i>Orthotrichia sp</i>	1			
59520	<i>Oecetis cinerascens</i>	+			
60300	<i>Dineutus sp</i>	15 +			
65800	<i>Berosus sp</i>	25 +			
68702	<i>Dubiraphia bivittata</i>	+			
74100	<i>Simulium sp</i>	+			
74501	<i>Ceratopogonidae</i>	+			
77130	<i>Ablabesmyia rhamphe group</i>	63 +			
77750	<i>Hayesomyia senata or Thienemannimyia norena</i>	51			
78600	<i>Pentaneura inconspicua</i>	392			
81231	<i>Nanocladius (N.) crassicornus or N. (N.) rectinervus</i>	38			
82820	<i>Cryptochironomus sp</i>	+			
83040	<i>Dicrotendipes neomodestus</i>	468 +			
83051	<i>Dicrotendipes simpsoni</i>	25			
83158	<i>Endochironomus nigricans</i>	51			
83300	<i>Glyptotendipes (G.) sp</i>	468 +			
84210	<i>Paratendipes albimanus or P. duplicatus</i>	+			
84410	<i>Polypedilum (Pentapedilum) tritum</i>	13			

**Ohio EPA Monitoring and Assessment Section
Macroinvertebrate Collection**

Collection Date: 08/21/96 River Code: 19-001 River: Cuyahoga River

RM: 56.10

Taxa Code	Taxa	Quan/Qual	Taxa Code	Taxa	Quan/Qual
01320	<i>Hydra sp</i>	12	77800	<i>Helopelopia sp</i>	12 +
01801	<i>Turbellaria</i>	52 +	78450	<i>Nilotanypus fimbriatus</i>	4
03360	<i>Plumatella sp</i>	1	78600	<i>Pentaneura inconspicua</i>	36
03600	<i>Oligochaeta</i>	24 +	78655	<i>Procladius (Holotanypus) sp</i>	+
04664	<i>Helobdella stagnalis</i>	+	80370	<i>Corynoneura lobata</i>	8
05800	<i>Caecidotea sp</i>	+	80420	<i>Cricotopus (C.) bicinctus</i>	49
06201	<i>Hyalella azteca</i>	13 +	81825	<i>Rheocricotopus (Psilocricotopus) robacki</i>	12
06700	<i>Crangonyx sp</i>	2 +	82820	<i>Cryptochironomus sp</i>	+
08260	<i>Orconectes (Crockerinus) sanbornii</i>	+	83040	<i>Dicrotendipes neomodestus</i>	49 +
			83300	<i>Glyptotendipes (G.) sp</i>	36 +
11130	<i>Baetis intercalaris</i>	5 +	83840	<i>Microtendipes pedellus group</i>	12
13400	<i>Stenacron sp</i>	9 +	84300	<i>Phaenopsectra obediens group</i>	+
17200	<i>Caenis sp</i>	8 +	84450	<i>Polypedilum (P.) convictum</i>	280 +
18704	<i>Hexagenia atrocaudata</i>	+	84460	<i>Polypedilum (P.) fallax group</i>	24
21200	<i>Calopteryx sp</i>	+	84470	<i>Polypedilum (P.) illinoense</i>	+
22300	<i>Argia sp</i>	8 +	84540	<i>Polypedilum (Tripodura) scalaenum group</i>	207 +
23909	<i>Boyeria vinosa</i>	+	85625	<i>Rheotanytarsus exiguus group</i>	97
24900	<i>Gomphus sp</i>	+	85814	<i>Tanytarsus glabrescens group</i>	365
43300	<i>Ranatra sp</i>	+	85840	<i>Tanytarsus guerlus group</i>	36
45100	<i>Palmarixia sp</i>	+	87540	<i>Hemerodromia sp</i>	4
45300	<i>Sigara sp</i>	+	92516	<i>Campeloma decisum</i>	+
47600	<i>Sialis sp</i>	1 +	93200	<i>Hydrobiidae</i>	2 +
50804	<i>Lype diversa</i>	1 +	93900	<i>Elimia sp</i>	+
51300	<i>Neureclipsis sp</i>	45 +	95100	<i>Physella sp</i>	1 +
52200	<i>Cheumatopsyche sp</i>	230 +	96002	<i>Helisoma anceps anceps</i>	+
53800	<i>Hydroptila sp</i>	2 +	96900	<i>Ferrissia sp</i>	103 +
57900	<i>Pycnopsyche sp</i>	+	98600	<i>Sphaerium sp</i>	+
59001	<i>Leptoceridae</i>	+			
60300	<i>Dineutus sp</i>	5 +	No. Quantitative Taxa: 39		Total Taxa: 66
60900	<i>Peltodytes sp</i>	+	No. Qualitative Taxa: 51		ICI: 32
68025	<i>Ectopria sp</i>	+	Number of Organisms: 2054		Qual EPT: 10
68702	<i>Dubiraphia bivittata</i>	+			
68708	<i>Dubiraphia vittata group</i>	+			
68901	<i>Macronychus glabratus</i>	12 +			
69400	<i>Stenelmis sp</i>	8 +			
74100	<i>Simulium sp</i>	+			
77130	<i>Ablabesmyia rhamphe group</i>	36			
77355	<i>Clinotanypus pinguis</i>	+			
77500	<i>Conchapelopia sp</i>	+			
77750	<i>Hayesomyia senata or Thienemannimyia norena</i>	243			

**Ohio EPA Monitoring and Assessment Section
Macroinvertebrate Collection**

Collection Date: 08/21/96 River Code: 19-001 River: Cuyahoga River

RM: 54.40

Taxa Code	Taxa	Quan/Qual	Taxa Code	Taxa	Quan/Qual
01320	<i>Hydra sp</i>	8	80370	<i>Corynoneura lobata</i>	48
01418	<i>Craspedacusta sowerbyi</i>	16	80420	<i>Cricotopus (C.) bicinctus</i>	57
01801	<i>Turbellaria</i>	21 +	80430	<i>Cricotopus (C.) tremulus group</i>	115 +
01900	<i>Nemertea</i>	16	82101	<i>Thienemanniella n.sp 1</i>	16
03600	<i>Oligochaeta</i>	48 +	82220	<i>Tvetenia discoloripes group</i>	57
04964	<i>Mooreobdella microstoma</i>	+	82820	<i>Cryptochironomus sp</i>	+
05800	<i>Caecidotea sp</i>	+	83040	<i>Dicrotendipes neomodestus</i>	115 +
06700	<i>Crangonyx sp</i>	11 +	83820	<i>Microtendipes "caelum" (sensu Simpson & Bode, 1980)</i>	+
08260	<i>Orconectes (Crockerinus) sanbornii sanbornii</i>	2 +	84450	<i>Polypedilum (P.) convictum</i>	1264 +
08601	<i>Hydracarina</i>	16	84540	<i>Polypedilum (Tripodura) scalaenum group</i>	+
13400	<i>Stenacron sp</i>	400 +	84700	<i>Stenochironomus sp</i>	+
14950	<i>Leptophlebia sp or Paraleptophebia sp</i>	8	85625	<i>Rheotanytarsus exiguus group</i>	2988 +
17200	<i>Caenis sp</i>	+	85800	<i>Tanytarsus sp</i>	172
21200	<i>Calopteryx sp</i>	1 +	85814	<i>Tanytarsus glabrescens group</i>	57
22001	<i>Coenagrionidae</i>	+	85840	<i>Tanytarsus guerlus group</i>	115 +
22300	<i>Argia sp</i>	1 +	87540	<i>Hemerodromia sp</i>	17 +
51300	<i>Neureclipsis sp</i>	4 +	92505	<i>Campeloma sp</i>	+
52200	<i>Cheumatopsyche sp</i>	1017 +	93200	<i>Hydrobiidae</i>	27 +
52430	<i>Ceratopsyche morosa group</i>	109 +	93900	<i>Elimia sp</i>	+
52530	<i>Hydropsyche depravata group</i>	87 +	96002	<i>Helisoma anceps anceps</i>	+
53800	<i>Hydroptila sp</i>	16 +	96900	<i>Ferrissia sp</i>	126 +
57900	<i>Pycnopsyche sp</i>	1 +	97601	<i>Corbicula fluminea</i>	+
59001	<i>Leptoceridae</i>	48	98200	<i>Pisidium sp</i>	9 +
59140	<i>Ceraclea maculata</i>	+	98600	<i>Sphaerium sp</i>	+
59310	<i>Mystacides sepulchralis</i>	+	99100	<i>Pyganodon grandis</i>	+
59410	<i>Nectopsyche diarina</i>	+	99120	<i>Utterbackia imbecillis</i>	+
60300	<i>Dineutus sp</i>	1 +	99760	<i>Ligumia nasuta</i>	+
60400	<i>Gyrinus sp</i>	+	99860	<i>Lampsilis radiata luteola</i>	+
68025	<i>Ectopria sp</i>	+			
68702	<i>Dubiraphia bivittata</i>	+	No. Quantitative Taxa: 41		Total Taxa: 67
68901	<i>Macronychus glabratus</i>	27	No. Qualitative Taxa: 51		ICI: 44
69400	<i>Stenelmis sp</i>	1	Number of Organisms: 7462		Qual EPT: 11
70600	<i>Antocha sp</i>	16 +			
74100	<i>Simulium sp</i>	2 +			
77120	<i>Ablabesmyia mallochi</i>	+			
77500	<i>Conchapelopia sp</i>	+			
77750	<i>Hayesomyia senata or Thienemannimyia norena</i>	345			
77800	<i>Helopelopia sp</i>	+			
78600	<i>Pentaneura inconspicua</i>	57			

**Ohio EPA Monitoring and Assessment Section
Macroinvertebrate Collection**

Collection Date: 08/21/96 River Code: 19-001 River: Cuyahoga River

RM: 53.40

Taxa Code	Taxa	Quan/Qual	Taxa Code	Taxa	Quan/Qual
01801	<i>Turbellaria</i>	241 +	81650	<i>Parametrioctenemus sp</i>	58
03600	<i>Oligochaeta</i>	+	82820	<i>Cryptochironomus sp</i>	+
05800	<i>Caecidotea sp</i>	+	83040	<i>Dicrotendipes neomodestus</i>	+
06201	<i>Hyaella azteca</i>	+	83840	<i>Microtendipes pedellus group</i>	+
08260	<i>Orconectes (Crockerinus) sanbornii</i>	+	84300	<i>Phaenopsectra obediens group</i>	+
08601	<i>Hydracarina</i>	48	84450	<i>Polypedilum (P.) convictum</i>	2026 +
11120	<i>Baetis flavistriga</i>	12 +	84460	<i>Polypedilum (P.) fallax group</i>	+
11130	<i>Baetis intercalaris</i>	197 +	84470	<i>Polypedilum (P.) illinoense</i>	+
13400	<i>Stenacron sp</i>	237 +	84540	<i>Polypedilum (Tripodura) scalaenum group</i>	+
13590	<i>Stenonema vicarium</i>	1	84700	<i>Stenochironomus sp</i>	+
22001	<i>Coenagrionidae</i>	+	84750	<i>Stictochironomus sp</i>	+
23909	<i>Boyeria vinosa</i>	+	85625	<i>Rheotanytarsus exiguus group</i>	2026 +
48620	<i>Nigronia serricornis</i>	+	85800	<i>Tanytarsus sp</i>	174
51300	<i>Neureclipsis sp</i>	40 +	85840	<i>Tanytarsus guerlus group</i>	174
52200	<i>Cheumatopsyche sp</i>	1801 +	87540	<i>Hemerodromia sp</i>	5
52430	<i>Ceratopsyche morosa group</i>	9 +	93200	<i>Hydrobiidae</i>	34 +
52530	<i>Hydropsyche depravata group</i>	322 +	93900	<i>Elimia sp</i>	+
53800	<i>Hydroptila sp</i>	40	95100	<i>Physella sp</i>	1
57900	<i>Pycnopsyche sp</i>	+	96900	<i>Ferrissia sp</i>	66 +
59300	<i>Mystacides sp</i>	+	98200	<i>Pisidium sp</i>	1
59500	<i>Oecetis sp</i>	32	99100	<i>Pyganodon grandis</i>	+
60300	<i>Dineutus sp</i>	2	<hr/> No. Quantitative Taxa: 32 Total Taxa: 60		
60400	<i>Gyrinus sp</i>	+	No. Qualitative Taxa: 45 ICI: 38		
68601	<i>Ancyronyx variegata</i>	+	Number of Organisms: 8268 Qual EPT: 9		
68702	<i>Dubiraphia bivittata</i>	+			
68707	<i>Dubiraphia quadrinotata</i>	+			
68708	<i>Dubiraphia vittata group</i>	+			
68901	<i>Macronychus glabratus</i>	3 +			
69400	<i>Stenelmis sp</i>	3 +			
70600	<i>Antocha sp</i>	1			
74100	<i>Simulium sp</i>	3 +			
77130	<i>Ablabesmyia rhamphe group</i>	+			
77500	<i>Conchapelopia sp</i>	+			
77750	<i>Hayesomyia senata or Thienemannimyia norena</i>	405			
78600	<i>Pentaneura inconspicua</i>	58			
80204	<i>Brillia flavifrons group</i>	+			
80370	<i>Corynoneura lobata</i>	16			
80420	<i>Cricotopus (C.) bicinctus</i>	58 +			
80430	<i>Cricotopus (C.) tremulus group</i>	174 +			

**Ohio EPA Monitoring and Assessment Section
Macroinvertebrate Collection**

Collection Date: 08/22/96 River Code: 19-001 River: Cuyahoga River

RM: 49.80

Taxa Code	Taxa	Quan/Qual	Taxa Code	Taxa	Quan/Qual
00401	<i>Spongillidae</i>			<i>rectinervus</i>	
01320	<i>Hydra sp</i>	1	82220	<i>Tvetenia discoloripes group</i>	1629
01801	<i>Turbellaria</i>	23	82820	<i>Cryptochironomus sp</i>	+
03360	<i>Plumatella sp</i>	1	84300	<i>Phaenopsectra obediens group</i>	+
03600	<i>Oligochaeta</i>		84450	<i>Polypedilum (P.) convictum</i>	3759
05800	<i>Caecidotea sp</i>		84470	<i>Polypedilum (P.) illinoense</i>	+
06700	<i>Crangonyx sp</i>		85625	<i>Rheotanytarsus exiguus group</i>	12279
08260	<i>Orconectes (Crokerinus) sanbornii</i>		87540	<i>Hemerodromia sp</i>	1
			96900	<i>Ferrissia sp</i>	15
08601	<i>Hydracarina</i>	152	98200	<i>Pisidium sp</i>	4
11130	<i>Baetis intercalaris</i>	32	98600	<i>Sphaerium sp</i>	2
13400	<i>Stenacron sp</i>	74			
13561	<i>Stenonema pulchellum</i>	1	No. Quantitative Taxa: 25		Total Taxa: 50
21200	<i>Calopteryx sp</i>		No. Qualitative Taxa: 42		ICI: 42
22001	<i>Coenagrionidae</i>		Number of Organisms: 27174		Qual EPT: 11
23909	<i>Boyeria vinosa</i>				
45400	<i>Trichocorixa sp</i>				
47600	<i>Sialis sp</i>				
48210	<i>Chauliodes pectinicornis</i>				
51300	<i>Neureclipsis sp</i>	1			
52200	<i>Cheumatopsyche sp</i>	5935			
52430	<i>Ceratopsyche morosa group</i>	2513			
52530	<i>Hydropsyche depravata group</i>	441			
52540	<i>Hydropsyche dicantha</i>	66			
53800	<i>Hydroptila sp</i>	6			
57900	<i>Pycnopsyche sp</i>				
59001	<i>Leptoceridae</i>	72			
59310	<i>Mystacides sepulchralis</i>				
59410	<i>Nectopsyche diarina</i>				
60300	<i>Dineutus sp</i>				
60900	<i>Peltodytes sp</i>				
65800	<i>Berosus sp</i>				
68708	<i>Dubiraphia vittata group</i>				
68901	<i>Macronychus glabratus</i>	3			
69400	<i>Stenelmis sp</i>	3			
74100	<i>Simulium sp</i>	36			
77500	<i>Conchapelopia sp</i>				
77800	<i>Helopelopia sp</i>				
80410	<i>Cricotopus (C.) sp</i>				
80430	<i>Cricotopus (C.) tremulus group</i>				
81231	<i>Nanocladius (N.) crassicornus or N. (N.)</i>	125			

**Ohio EPA Monitoring and Assessment Section
Macroinvertebrate Collection**

Collection Date: 08/22/96 River Code: 19-001 River: Cuyahoga River

RM: 48.00

Taxa Code	Taxa	Quan/Qual	Taxa Code	Taxa	Quan/Qual
01320	<i>Hydra sp</i>	40	77500	<i>Conchapelopia sp</i>	25 +
01801	<i>Turbellaria</i>	115 +	77750	<i>Hayesomyia senata or Thienemannimyia norena</i>	200
03360	<i>Plumatella sp</i>	1			
03600	<i>Oligochaeta</i>	1 +	77800	<i>Helopelopia sp</i>	+
05800	<i>Caecidotea sp</i>	3 +	78655	<i>Procladius (Holotanypus) sp</i>	+
06201	<i>Hyalella azteca</i>	5 +	80410	<i>Cricotopus (C.) sp</i>	25
06700	<i>Crangonyx sp</i>	2 +	80420	<i>Cricotopus (C.) bicinctus</i>	50
08260	<i>Orconectes (Crockerinus) sanbornii sanbornii</i>	+	82820	<i>Cryptochironomus sp</i>	+
			82880	<i>Cryptotendipes sp</i>	+
08601	<i>Hydracarina</i>	16	83040	<i>Dicrotendipes neomodestus</i>	25 +
11670	<i>Proclleon irrubrum</i>	+	83158	<i>Endochironomus nigricans</i>	+
13400	<i>Stenacron sp</i>	141 +	83300	<i>Glyptotendipes (G.) sp</i>	125 +
13521	<i>Stenonema femoratum</i>	5 +	84450	<i>Polypedilum (P.) convictum</i>	848
13561	<i>Stenonema pulchellum</i>	2 +	84460	<i>Polypedilum (P.) fallax group</i>	+
13570	<i>Stenonema terminatum</i>	21 +	84470	<i>Polypedilum (P.) illinoense</i>	+
16700	<i>Tricorythodes sp</i>	7	84540	<i>Polypedilum (Tripodura) scalaenum group</i>	+
17200	<i>Caenis sp</i>	91 +	84700	<i>Stenochironomus sp</i>	25 +
18704	<i>Hexagenia atrocaudata</i>	+	84790	<i>Tribelos fuscicorne</i>	+
22001	<i>Coenagrionidae</i>	+	84800	<i>Tribelos jucundum</i>	+
22300	<i>Argia sp</i>	11 +	85625	<i>Rheotanytarsus exiguus group</i>	1696 +
24107	<i>Nasiaeschna pentacantha</i>	+	85840	<i>Tanytarsus guerlus group</i>	25
45100	<i>Palmacorixa sp</i>	+	87540	<i>Hemerodromia sp</i>	16
45400	<i>Trichocorixa sp</i>	+	93200	<i>Hydrobiidae</i>	1 +
47600	<i>Sialis sp</i>	+	95100	<i>Physella sp</i>	+
51206	<i>Cynellus fraternus</i>	31 +			
51300	<i>Neureclipsis sp</i>	19 +	No. Quantitative Taxa: 42		Total Taxa: 63
51600	<i>Polycentropus sp</i>	1 +	No. Qualitative Taxa: 48		ICI: 44
52200	<i>Cheumatopsyche sp</i>	554 +	Number of Organisms: 4339		Qual EPT: 14
52530	<i>Hydropsyche depravata group</i>	6			
53800	<i>Hydroptila sp</i>	1			
57900	<i>Pycnopsyche sp</i>	2 +			
59410	<i>Nectopsyche diarina</i>	+			
59500	<i>Oecetis sp</i>	16 +			
68601	<i>Ancyronyx variegata</i>	1 +			
68702	<i>Dubiraphia bivittata</i>	+			
68708	<i>Dubiraphia vittata group</i>	4 +			
68901	<i>Macronychus glabratus</i>	8 +			
69400	<i>Stenelmis sp</i>	16 +			
74100	<i>Simulium sp</i>	8			
77120	<i>Ablabesmyia mallochi</i>	25			
77130	<i>Ablabesmyia rhamphe group</i>	125			

**Ohio EPA Monitoring and Assessment Section
Macroinvertebrate Collection**

Collection Date: 08/22/96 River Code: 19-001 River: Cuyahoga River

RM: 45.90

Taxa Code	Taxa	Quan/Qual	Taxa Code	Taxa	Quan/Qual
00401	<i>Spongillidae</i>	1	84460	<i>Polypedilum (P.) fallax group</i>	21
01801	<i>Turbellaria</i>	106 +	84470	<i>Polypedilum (P.) illinoense</i>	21
03360	<i>Plumatella sp</i>	1 +	84888	<i>Xenochironomus xenolabis</i>	+
03600	<i>Oligochaeta</i>	624	85625	<i>Rheotanytarsus exiguus group</i>	1222 +
05800	<i>Caecidotea sp</i>	2 +	87540	<i>Hemerodromia sp</i>	9
06700	<i>Crangonyx sp</i>	5 +	93200	<i>Hydrobiidae</i>	1
08260	<i>Orconectes (Crockerinus) sanbornii sanbornii</i>	1 +	93900	<i>Elimia sp</i>	+
08601	<i>Hydracarina</i>	16	95100	<i>Physella sp</i>	16 +
11120	<i>Baetis flavistriga</i>	17 +	96900	<i>Ferrissia sp</i>	83 +
11130	<i>Baetis intercalaris</i>	216 +	98600	<i>Sphaerium sp</i>	3
13400	<i>Stenacron sp</i>	1 +	No. Quantitative Taxa: 43		Total Taxa: 49
13521	<i>Stenonema femoratum</i>	+	No. Qualitative Taxa: 25		ICI: 34
13561	<i>Stenonema pulchellum</i>	9	Number of Organisms: 4318		Qual EPT: 9
13570	<i>Stenonema terminatum</i>	1			
16700	<i>Tricorythodes sp</i>	1			
17200	<i>Caenis sp</i>	1			
52200	<i>Cheumatopsyche sp</i>	578 +			
52430	<i>Ceratopsyche morosa group</i>	278 +			
52450	<i>Ceratopsyche sparna</i>	5			
52530	<i>Hydropsyche depravata group</i>	124 +			
52540	<i>Hydropsyche dicantha</i>	10 +			
53800	<i>Hydroptila sp</i>	1 +			
59140	<i>Ceraclea maculata</i>	2			
68901	<i>Macronychus glabratus</i>	5			
69400	<i>Stenelmis sp</i>	1			
74100	<i>Simulium sp</i>	10 +			
77500	<i>Conchapelopia sp</i>	84			
77800	<i>Helopelopia sp</i>	105			
80310	<i>Cardiocladius obscurus</i>	+			
80410	<i>Cricotopus (C.) sp</i>	21			
80420	<i>Cricotopus (C.) bicinctus</i>	21			
80430	<i>Cricotopus (C.) tremulus group</i>	+			
81231	<i>Nanocladius (N.) crassicornus or N. (N.) rectinervus</i>	42			
81270	<i>Nanocladius (N.) spiniplenus</i>	+			
82220	<i>Tvetenia discoloripes group</i>	42 +			
83040	<i>Dicrotendipes neomodestus</i>	21			
84060	<i>Parachironomus pectinatellae</i>	21			
84300	<i>Phaenopsectra obediens group</i>	21			
84450	<i>Polypedilum (P.) convictum</i>	548 +			

**Ohio EPA Monitoring and Assessment Section
Macroinvertebrate Collection**

Collection Date: 08/19/96 River Code: 19-001 River: Cuyahoga River

RM: 44.00

Taxa Code	Taxa	Quan/Qual	Taxa Code	Taxa	Quan/Qual
00401	<i>Spongillidae</i>	1 +	93200	<i>Hydrobiidae</i>	10 +
01801	<i>Turbellaria</i>	119 +	95100	<i>Physella sp</i>	+
03360	<i>Plumatella sp</i>	1 +	96900	<i>Ferrissia sp</i>	12 +
03600	<i>Oligochaeta</i>	20 +	98600	<i>Sphaerium sp</i>	+
05800	<i>Caecidotea sp</i>	+			
06700	<i>Crangonyx sp</i>	+	No. Quantitative Taxa: 31		Total Taxa: 44
08260	<i>Orconectes (Crockerinus) sanbornii sanbornii</i>	2 +	No. Qualitative Taxa: 35		ICI: 38
11120	<i>Baetis flavistriga</i>	116 +	Number of Organisms: 11729		Qual EPT: 8
11130	<i>Baetis intercalaris</i>	893 +			
13400	<i>Stenacron sp</i>	38 +			
21200	<i>Calopteryx sp</i>	+			
21300	<i>Hetaerina sp</i>	+			
47600	<i>Sialis sp</i>	+			
52200	<i>Cheumatopsyche sp</i>	4358 +			
52430	<i>Ceratopsyche morosa group</i>	90 +			
52450	<i>Ceratopsyche sparna</i>	588 +			
52530	<i>Hydropsyche depravata group</i>	2 +			
52540	<i>Hydropsyche dicantha</i>	115 +			
53800	<i>Hydroptila sp</i>	5			
66500	<i>Enochrus sp</i>	+			
68901	<i>Macronychus glabratus</i>	1 +			
69400	<i>Stenelmis sp</i>	1 +			
70600	<i>Antocha sp</i>	1			
71900	<i>Tipula sp</i>	1			
74100	<i>Simulium sp</i>	25 +			
77500	<i>Conchapelopia sp</i>	96 +			
77800	<i>Helopelopia sp</i>	+			
80310	<i>Cardiocladius obscurus</i>	96 +			
80410	<i>Cricotopus (C.) sp</i>	+			
80420	<i>Cricotopus (C.) bicinctus</i>	48			
80430	<i>Cricotopus (C.) tremulus group</i>	96			
80440	<i>Cricotopus (C.) trifascia group</i>	+			
81250	<i>Nanocladius (N.) minimus</i>	48			
81270	<i>Nanocladius (N.) spiniplenus</i>	240			
82220	<i>Tvetenia discoloripes group</i>	960			
84450	<i>Polypedilum (P.) convictum</i>	2160 +			
84540	<i>Polypedilum (Tripodura) scalaenum group</i>	+			
84888	<i>Xenochironomus xenolabis</i>	+			
85625	<i>Rheotanytarsus exiguus group</i>	1584			
87540	<i>Hemerodromia sp</i>	2 +			

**Ohio EPA Monitoring and Assessment Section
Macroinvertebrate Collection**

Collection Date: 08/19/96 River Code: 19-001 River: Cuyahoga River

RM: 42.80

Taxa Code	Taxa	Quan/Qual	Taxa Code	Taxa	Quan/Qual
00401	<i>Spongillidae</i>		82730	<i>Chironomus (C.) decorus group</i>	
01801	<i>Turbellaria</i>	53	82820	<i>Cryptochironomus sp</i>	
03360	<i>Plumatella sp</i>	1	83040	<i>Dicrotendipes neomodestus</i>	540
03451	<i>Urnatella gracilis</i>	1	83300	<i>Glyptotendipes (G.) sp</i>	180
03600	<i>Oligochaeta</i>	32	83840	<i>Microtendipes pedellus group</i>	
04687	<i>Placobdella parasitica</i>		84300	<i>Phaenopsectra obediens group</i>	
04964	<i>Mooreobdella microstoma</i>		84450	<i>Polypedilum (P.) convictum</i>	2339
05800	<i>Caecidotea sp</i>		84540	<i>Polypedilum (Tripodura) scalaenum group</i>	
06201	<i>Hyalella azteca</i>		84750	<i>Stictochironomus sp</i>	
08255	<i>Orconectes rusticus x sanbornii</i>		85625	<i>Rheotanytarsus exiguus group</i>	14217
08601	<i>Hydracarina</i>	16	87540	<i>Hemerodromia sp</i>	13
11120	<i>Baetis flavistriga</i>	4	95100	<i>Physella sp</i>	1
11130	<i>Baetis intercalaris</i>	119	96900	<i>Ferrissia sp</i>	107
13000	<i>Leucrocuta sp</i>		98600	<i>Sphaerium sp</i>	
13400	<i>Stenacron sp</i>	70			
17200	<i>Caenis sp</i>		No. Quantitative Taxa: 28		Total Taxa: 54
23909	<i>Boyeria vinosa</i>		No. Qualitative Taxa: 44		ICI: 40
47600	<i>Sialis sp</i>		Number of Organisms: 20227		Qual EPT: 10
52200	<i>Cheumatopsyche sp</i>	1198			
52430	<i>Ceratopsyche morosa group</i>	22			
52450	<i>Ceratopsyche sparna</i>	238			
52530	<i>Hydropsyche depravata group</i>	7			
52540	<i>Hydropsyche dicantha</i>	86			
53800	<i>Hydroptila sp</i>	25			
68601	<i>Ancyronyx variegata</i>				
68901	<i>Macronychus glabratus</i>	16			
69400	<i>Stenelmis sp</i>				
70600	<i>Antocha sp</i>	9			
71910	<i>Tipula abdominalis</i>	1			
74100	<i>Simulium sp</i>				
77500	<i>Conchapelopia sp</i>				
77740	<i>Hayesomyia senata</i>				
77800	<i>Helopelopia sp</i>				
78450	<i>Nilotanypus fimbriatus</i>	32			
80310	<i>Cardiocladius obscurus</i>				
80410	<i>Cricotopus (C.) sp</i>				
80440	<i>Cricotopus (C.) trifascia group</i>				
81231	<i>Nanocladius (N.) crassicornus or N. (N.) rectinervus</i>	180			
81270	<i>Nanocladius (N.) spiniplenus</i>	180			
82220	<i>Tvetenia discoloripes group</i>	540			

**Ohio EPA Monitoring and Assessment Section
Macroinvertebrate Collection**

Collection Date: 08/19/96 River Code: 19-001 River: Cuyahoga River

RM: 41.90

Taxa Code	Taxa	Quan/Qual	Taxa Code	Taxa	Quan/Qual
01801	<i>Turbellaria</i>	3			
03360	<i>Plumatella sp</i>	1	No. Quantitative Taxa:	29	Total Taxa: 40
03600	<i>Oligochaeta</i>	580 +	No. Qualitative Taxa:	26	ICI: 34
04964	<i>Mooreobdella microstoma</i>	1 +	Number of Organisms:	15384	Qual EPT: 6
06810	<i>Gammarus fasciatus</i>	92 +			
08250	<i>Orconectes (Procericambarus) rusticus</i>	+			
08601	<i>Hydracarina</i>	88			
11120	<i>Baetis flavistriga</i>	211 +			
11130	<i>Baetis intercalaris</i>	211 +			
13400	<i>Stenacron sp</i>	5 +			
48410	<i>Corydalis cornutus</i>	1			
52200	<i>Cheumatopsyche sp</i>	1097 +			
52430	<i>Ceratopsyche morosa group</i>	7			
52450	<i>Ceratopsyche sparna</i>	33 +			
52530	<i>Hydropsyche depravata group</i>	213 +			
52540	<i>Hydropsyche dicantha</i>	43			
53800	<i>Hydroptila sp</i>	57			
59140	<i>Ceraclea maculata</i>	9			
59500	<i>Oecetis sp</i>	8			
74100	<i>Simulium sp</i>	1			
77500	<i>Conchapelopia sp</i>	902 +			
77800	<i>Helopelopia sp</i>	553 +			
80310	<i>Cardiocladius obscurus</i>	134			
80420	<i>Cricotopus (C.) bicinctus</i>	+			
80430	<i>Cricotopus (C.) tremulus group</i>	134			
82220	<i>Tvetenia discoloripes group</i>	134			
82730	<i>Chironomus (C.) decorus group</i>	+			
82820	<i>Cryptochironomus sp</i>	+			
83040	<i>Dicrotendipes neomodestus</i>	+			
83300	<i>Glyptotendipes (G.) sp</i>	+			
84300	<i>Phaenopsectra obediens group</i>	+			
84450	<i>Polypedilum (P.) convictum</i>	2142 +			
84540	<i>Polypedilum (Tripodura) scalaenum group</i>	+			
84612	<i>Saetheria tylus</i>	+			
85625	<i>Rheotanytarsus exiguus group</i>	8433 +			
85800	<i>Tanytarsus sp</i>	+			
85840	<i>Tanytarsus guerlus group</i>	+			
87540	<i>Hemerodromia sp</i>	247 +			
95100	<i>Physella sp</i>	1 +			
96900	<i>Ferrissia sp</i>	43			

**Ohio EPA Monitoring and Assessment Section
Macroinvertebrate Collection**

Collection Date: 08/19/96 River Code: 19-001 River: Cuyahoga River

RM: 38.00

Taxa Code	Taxa	Quan/Qual	Taxa Code	Taxa	Quan/Qual
00653	<i>Eunapius fragilis</i>	+	82730	<i>Chironomus (C.) decorus group</i>	+
01801	<i>Turbellaria</i>	37 +	82820	<i>Cryptochironomus sp</i>	45 +
03360	<i>Plumatella sp</i>	1	83040	<i>Dicrotendipes neomodestus</i>	91
03600	<i>Oligochaeta</i>	131 +	83300	<i>Glyptotendipes (G.) sp</i>	91
04964	<i>Mooreobdella microstoma</i>	+	84450	<i>Polypedilum (P.) convictum</i>	680 +
05800	<i>Caecidotea sp</i>	4	84460	<i>Polypedilum (P.) fallax group</i>	45
06810	<i>Gammarus fasciatus</i>	117 +	84540	<i>Polypedilum (Tripodura) scalaenum group</i>	272 +
08250	<i>Orconectes (Procericambarus) rusticus</i>	1 +	85625	<i>Rheotanytarsus exiguus group</i>	2809 +
11120	<i>Baetis flavistriga</i>	3 +	85800	<i>Tanytarsus sp</i>	45
11130	<i>Baetis intercalaris</i>	35 +	85840	<i>Tanytarsus guerlus group</i>	91
13400	<i>Stenacron sp</i>	92 +	86401	<i>Atherix lantha</i>	+
13550	<i>Stenonema mexicanum integrum</i>	2	87540	<i>Hemerodromia sp</i>	66 +
17200	<i>Caenis sp</i>	1	92330	<i>Valvata tricarinata tricarinata</i>	4
21200	<i>Calopteryx sp</i>	+	95100	<i>Physella sp</i>	1 +
22300	<i>Argia sp</i>	2	96900	<i>Ferrissia sp</i>	184 +
23909	<i>Boyeria vinosa</i>	+			
42700	<i>Belostoma sp</i>	+	No. Quantitative Taxa: 38		Total Taxa: 55
47600	<i>Sialis sp</i>	1 +	No. Qualitative Taxa: 38		ICI: 32
48410	<i>Corydalis cornutus</i>	+	Number of Organisms: 5566		Qual EPT: 8
52200	<i>Cheumatopsyche sp</i>	272 +			
52450	<i>Ceratopsyche sparna</i>	+			
52530	<i>Hydropsyche depravata group</i>	2 +			
52540	<i>Hydropsyche dicantha</i>	+			
53800	<i>Hydroptila sp</i>	+			
68601	<i>Ancyronyx variegata</i>	4			
68901	<i>Macronychus glabratus</i>	4			
69400	<i>Stenelmis sp</i>	3 +			
71900	<i>Tipula sp</i>	+			
74100	<i>Simulium sp</i>	+			
77500	<i>Conchapelopia sp</i>	181 +			
77750	<i>Hayesomyia senata or Thienemannimyia norena</i>	45 +			
77800	<i>Helopelopia sp</i>	45 +			
80310	<i>Cardiocladius obscurus</i>	+			
80420	<i>Cricotopus (C.) bicinctus</i>	+			
80430	<i>Cricotopus (C.) tremulus group</i>	+			
80440	<i>Cricotopus (C.) trifascia group</i>	+			
81250	<i>Nanocladius (N.) minimus</i>	45			
81270	<i>Nanocladius (N.) spiniplenus</i>	45			
81825	<i>Rheocricotopus (Psilocricotopus) robacki</i>	45			
82141	<i>Thienemanniella xena</i>	24			

**Ohio EPA Monitoring and Assessment Section
Macroinvertebrate Collection**

Collection Date: 08/20/96 River Code: 19-001 River: Cuyahoga River

RM: 37.40

Taxa Code	Taxa	Quan/Qual	Taxa Code	Taxa	Quan/Qual
03360	<i>Plumatella sp</i>	1			
03600	<i>Oligochaeta</i>	6400	No. Quantitative Taxa: 28		Total Taxa: 37
05800	<i>Caecidotea sp</i>	2	No. Qualitative Taxa: 28		ICI: 24
06700	<i>Crangonyx sp</i>		Number of Organisms: 14129		Qual EPT: 8
06810	<i>Gammarus fasciatus</i>	13			
11120	<i>Baetis flavistriga</i>	114			
11130	<i>Baetis intercalaris</i>	170			
13400	<i>Stenacron sp</i>				
52200	<i>Cheumatopsyche sp</i>	268			
52430	<i>Ceratopsyche morosa group</i>				
52450	<i>Ceratopsyche sparna</i>	2			
52530	<i>Hydropsyche depravata group</i>	5			
52540	<i>Hydropsyche dicantha</i>				
53800	<i>Hydroptila sp</i>	5			
68601	<i>Ancyronyx variegata</i>	1			
68901	<i>Macronychus glabratus</i>	1			
74100	<i>Simulium sp</i>	32			
77500	<i>Conchapelopia sp</i>				
77750	<i>Hayesomyia senata or Thienemannimyia norena</i>	68			
77800	<i>Helopelopia sp</i>	340			
78450	<i>Nilotanypus fimbriatus</i>	68			
80420	<i>Cricotopus (C.) bicinctus</i>	204			
80500	<i>Cricotopus (Isocladius) reversus group</i>	475			
82141	<i>Thienemanniella xena</i>	82			
82730	<i>Chironomus (C.) decorus group</i>	694			
82770	<i>Chironomus (C.) riparius group</i>	1275			
82820	<i>Cryptochironomus sp</i>				
83300	<i>Glyptotendipes (G.) sp</i>	68			
84300	<i>Phaenopsectra obediens group</i>				
84450	<i>Polypedilum (P.) convictum</i>	883			
84460	<i>Polypedilum (P.) fallax group</i>	136			
84470	<i>Polypedilum (P.) illinoense</i>	136			
84540	<i>Polypedilum (Tripodura) scalaenum group</i>				
85625	<i>Rheotanytarsus exiguus group</i>	2580			
87540	<i>Hemerodromia sp</i>	2			
95100	<i>Physella sp</i>				
96900	<i>Ferrissia sp</i>	104			

**Ohio EPA Monitoring and Assessment Section
Macroinvertebrate Collection**

Collection Date: 08/20/96 River Code: 19-001 River: Cuyahoga River

RM: 37.10

Taxa Code	Taxa	Quan/Qual	Taxa Code	Taxa	Quan/Qual
00401	<i>Spongillidae</i>		80510	<i>Cricotopus (Isocladius) sylvestris group</i>	+
03360	<i>Plumatella sp</i>	1	81231	<i>Nanocladius (N.) crassicornus or N. (N.)</i>	152
03600	<i>Oligochaeta</i>	6245		<i>rectinervus</i>	
04964	<i>Mooreobdella microstoma</i>		82730	<i>Chironomus (C.) decorus group</i>	+
05800	<i>Caecidotea sp</i>		82770	<i>Chironomus (C.) riparius group</i>	+
06700	<i>Crangonyx sp</i>		82820	<i>Cryptochironomus sp</i>	+
06810	<i>Gammarus fasciatus</i>		84450	<i>Polypedilum (P.) convictum</i>	4400
08260	<i>Orconectes (Crokerinus) sanbornii</i>		84460	<i>Polypedilum (P.) fallax group</i>	303
	<i>sanbornii</i>		84470	<i>Polypedilum (P.) illinoense</i>	+
08601	<i>Hydracarina</i>	48	84520	<i>Polypedilum (Tripodura) halterale group</i>	+
11120	<i>Baetis flavistriga</i>	33	84540	<i>Polypedilum (Tripodura) scalaenum group</i>	+
11130	<i>Baetis intercalaris</i>	130	84750	<i>Stictochironomus sp</i>	+
13400	<i>Stenacron sp</i>		85625	<i>Rheotanytarsus exiguus group</i>	9405
21200	<i>Calopteryx sp</i>		85840	<i>Tanytarsus guerlus group</i>	152
23909	<i>Boyeria vinosa</i>		86401	<i>Atherix lantha</i>	+
47600	<i>Sialis sp</i>		87540	<i>Hemerodromia sp</i>	208
48410	<i>Corydalus cornutus</i>	4	95100	<i>Physella sp</i>	+
48620	<i>Nigronia serricornis</i>	1	96900	<i>Ferrissia sp</i>	44
49200	<i>Climacia sp</i>				
52200	<i>Cheumatopsyche sp</i>	3810	No. Quantitative Taxa: 26		Total Taxa: 56
52430	<i>Ceratopsyche morosa group</i>	2	No. Qualitative Taxa: 50		ICI: 26
52450	<i>Ceratopsyche sparna</i>	26	Number of Organisms: 26596		Qual EPT: 7
52530	<i>Hydropsyche depravata group</i>	219			
52540	<i>Hydropsyche dicantha</i>	25			
62200	<i>Copelatus sp</i>				
63900	<i>Laccophilus sp</i>				
67800	<i>Tropisternus sp</i>				
68601	<i>Ancyronyx variegata</i>	19			
68901	<i>Macronychus glabratus</i>				
69400	<i>Stenelmis sp</i>	2			
71900	<i>Tipula sp</i>				
74100	<i>Simulium sp</i>	1			
77500	<i>Conchapelopia sp</i>	759			
77750	<i>Hayesomyia senata or Thienemannimyia norena</i>				
77800	<i>Helopelopia sp</i>				
78450	<i>Nilotanypus fimbriatus</i>	152			
80310	<i>Cardiocladius obscurus</i>	303			
80410	<i>Cricotopus (C.) sp</i>				
80430	<i>Cricotopus (C.) tremulus group</i>	152			
80440	<i>Cricotopus (C.) trifascia group</i>				

**Ohio EPA Monitoring and Assessment Section
Macroinvertebrate Collection**

Collection Date: 08/20/96 River Code: 19-001 River: Cuyahoga River

RM: 35.30

Taxa Code	Taxa	Quan/Qual	Taxa Code	Taxa	Quan/Qual
00653	<i>Eunapius fragilis</i>	+	83040	<i>Dicrotendipes neomodestus</i>	+
01801	<i>Turbellaria</i>	+	84300	<i>Phaenopsectra obediens group</i>	+
03360	<i>Plumatella sp</i>	1 +	84450	<i>Polypedilum (P.) convictum</i>	3960 +
03600	<i>Oligochaeta</i>	8264 +	84460	<i>Polypedilum (P.) fallax group</i>	+
04964	<i>Mooreobdella microstoma</i>	+	84540	<i>Polypedilum (Tripodura) scalaenum group</i>	609 +
05800	<i>Caecidotea sp</i>	+	85625	<i>Rheotanytarsus exiguus group</i>	23458 +
06700	<i>Crangonyx sp</i>	+	86401	<i>Atherix lantha</i>	+
06810	<i>Gammarus fasciatus</i>	10 +	87540	<i>Hemerodromia sp</i>	552 +
08250	<i>Orconectes (Procericambarus) rusticus</i>	+	89704	<i>Limnophora aequifrons</i>	1
08601	<i>Hydracarina</i>	386 +	95100	<i>Physella sp</i>	1
11120	<i>Baetis flavistriga</i>	5 +	96900	<i>Ferrissia sp</i>	142 +
11130	<i>Baetis intercalaris</i>	54 +			
13400	<i>Stenacron sp</i>	+	No. Quantitative Taxa: 30		Total Taxa: 50
25510	<i>Stylogomphus albistylus</i>	+	No. Qualitative Taxa: 39		ICI: 28
47600	<i>Sialis sp</i>	+	Number of Organisms: 42604		Qual EPT: 8
48410	<i>Corydalus cornutus</i>	2			
52200	<i>Cheumatopsyche sp</i>	1907 +			
52430	<i>Ceratopsyche morosa group</i>	2			
52450	<i>Ceratopsyche sparna</i>	8 +			
52530	<i>Hydropsyche depravata group</i>	700 +			
52540	<i>Hydropsyche dicantha</i>	69 +			
53800	<i>Hydroptila sp</i>	18 +			
65800	<i>Berosus sp</i>	+			
68601	<i>Ancyronyx variegata</i>	6			
68901	<i>Macronychus glabratus</i>	5			
69400	<i>Stenelmis sp</i>	4 +			
70600	<i>Antocha sp</i>	1			
74100	<i>Simulium sp</i>	2 +			
77500	<i>Conchapelopia sp</i>	305 +			
77750	<i>Hayesomyia senata or Thienemannimyia norena</i>	913			
77800	<i>Helopelopia sp</i>	+			
78450	<i>Nilotanypus fimbriatus</i>	609			
80310	<i>Cardiocladius obscurus</i>	+			
80410	<i>Cricotopus (C.) sp</i>	+			
80430	<i>Cricotopus (C.) tremulus group</i>	305			
81231	<i>Nanocladius (N.) crassicornus or N. (N.) rectinervus</i>	+			
81632	<i>Parakiefferiella n.sp 2</i>	305			
82730	<i>Chironomus (C.) decorus group</i>	+			
82820	<i>Cryptochironomus sp</i>	+			

**Ohio EPA Monitoring and Assessment Section
Macroinvertebrate Collection**

Collection Date: 08/20/96 River Code: 19-001 River: Cuyahoga River

RM: 33.30

Taxa Code	Taxa	Quan/Qual	Taxa Code	Taxa	Quan/Qual
00401	<i>Spongillidae</i>		84300	<i>Phaenopsectra obediens group</i>	
03360	<i>Plumatella sp</i>		84450	<i>Polypedilum (P.) convictum</i>	1221
03600	<i>Oligochaeta</i>	3616	84460	<i>Polypedilum (P.) fallax group</i>	
04964	<i>Mooreobdella microstoma</i>	1	84470	<i>Polypedilum (P.) illinoense</i>	
05800	<i>Caecidotea sp</i>	3	84540	<i>Polypedilum (Tripodura) scalaenum group</i>	407
06810	<i>Gammarus fasciatus</i>	79	85625	<i>Rheotanytarsus exiguus group</i>	6714
08260	<i>Orconectes (Crockerinus) sanbornii sanbornii</i>	1	86401	<i>Atherix lantha</i>	2
08601	<i>Hydracarina</i>	32	87540	<i>Hemerodromia sp</i>	36
11120	<i>Baetis flavistriga</i>	9	95100	<i>Physella sp</i>	
11130	<i>Baetis intercalaris</i>	52	96900	<i>Ferrissia sp</i>	89
13400	<i>Stenacron sp</i>		No. Quantitative Taxa: 32		Total Taxa: 48
21200	<i>Calopteryx sp</i>		No. Qualitative Taxa: 36		ICI: 24
22001	<i>Coenagrionidae</i>	1	Number of Organisms: 14743		Qual EPT: 6
22300	<i>Argia sp</i>				
23909	<i>Boyeria vinosa</i>				
48410	<i>Corydalus cornutus</i>	2			
48620	<i>Nigronia serricornis</i>	1			
52200	<i>Cheumatopsyche sp</i>	941			
52450	<i>Ceratopsyche sparna</i>				
52530	<i>Hydropsyche depravata group</i>	162			
52540	<i>Hydropsyche dicantha</i>	14			
53800	<i>Hydroptila sp</i>	4			
68601	<i>Ancyronyx variegata</i>	7			
68901	<i>Macronychus glabratus</i>	18			
69400	<i>Stenelmis sp</i>	8			
74100	<i>Simulium sp</i>				
77500	<i>Conchapelopia sp</i>				
77750	<i>Hayesomyia senata or Thienemannimyia norena</i>	102			
77800	<i>Helopelopia sp</i>	102			
78450	<i>Nilotanytus fimbriatus</i>	102			
80420	<i>Cricotopus (C.) bicinctus</i>	305			
80430	<i>Cricotopus (C.) tremulus group</i>	102			
81231	<i>Nanocladius (N.) crassicornus or N. (N.) rectinervus</i>	305			
82141	<i>Thienemanniella xena</i>				
82730	<i>Chironomus (C.) decorus group</i>				
82820	<i>Cryptochironomus sp</i>				
83040	<i>Dicrotendipes neomodestus</i>	203			
83300	<i>Glyptotendipes (G.) sp</i>	102			

**Ohio EPA Monitoring and Assessment Section
Macroinvertebrate Collection**

Collection Date: 08/20/96 River Code: 19-001 River: Cuyahoga River

RM: 26.50

Taxa Code	Taxa	Quan/Qual	Taxa Code	Taxa	Quan/Qual
03360	<i>Plumatella sp</i>	1 +	81270	<i>Nanocladius (N.) spiniplenus</i>	103
03451	<i>Urnatella gracilis</i>	8	82220	<i>Tvetenia discoloripes group</i>	205 +
03600	<i>Oligochaeta</i>	896 +	82820	<i>Cryptochironomus sp</i>	+
04964	<i>Mooreobdella microstoma</i>	+	84300	<i>Phaenopsectra obediens group</i>	+
06810	<i>Gammarus fasciatus</i>	+	84450	<i>Polypedilum (P.) convictum</i>	3286 +
08260	<i>Orconectes (Crokerinus) sanbornii sanbornii</i>	+	84540	<i>Polypedilum (Tripodura) scalaenum group</i>	+
08601	<i>Hydracarina</i>	88	85625	<i>Rheotanytarsus exiguus group</i>	4723 +
11120	<i>Baetis flavistriga</i>	55 +	85814	<i>Tanytarsus glabrescens group</i>	103
11130	<i>Baetis intercalaris</i>	146 +	87540	<i>Hemerodromia sp</i>	1 +
13400	<i>Stenacron sp</i>	+	96900	<i>Ferrissia sp</i>	87 +
13550	<i>Stenonema mexicanum integrum</i>	1	No. Quantitative Taxa: 28 Total Taxa: 48		
21200	<i>Calopteryx sp</i>	+	No. Qualitative Taxa: 36 ICI: 36		
23909	<i>Boyeria vinosa</i>	+	Number of Organisms: 14922 Qual EPT: 6		
45400	<i>Trichocorixa sp</i>	+			
47600	<i>Sialis sp</i>	+			
48410	<i>Corydalus cornutus</i>	1			
52200	<i>Cheumatopsyche sp</i>	3547 +			
52430	<i>Ceratopsyche morosa group</i>	13			
52450	<i>Ceratopsyche sparna</i>	126 +			
52530	<i>Hydropsyche depravata group</i>	46			
52540	<i>Hydropsyche dicantha</i>	446 +			
53800	<i>Hydroptila sp</i>	9			
60900	<i>Peltodytes sp</i>	+			
68601	<i>Ancyronyx variegata</i>	3 +			
68901	<i>Macronychus glabratus</i>	+			
69400	<i>Stenelmis sp</i>	+			
74100	<i>Simulium sp</i>	1 +			
77500	<i>Conchapelopia sp</i>	103 +			
77750	<i>Hayesomyia senata or Thienemannimyia norena</i>	+			
77800	<i>Helopelopia sp</i>	+			
79085	<i>Telopelopia okoboji</i>	+			
80310	<i>Cardiocladius obscurus</i>	+			
80410	<i>Cricotopus (C.) sp</i>	308 +			
80420	<i>Cricotopus (C.) bicinctus</i>	+			
80430	<i>Cricotopus (C.) tremulus group</i>	308			
80440	<i>Cricotopus (C.) trifascia group</i>	+			
81231	<i>Nanocladius (N.) crassicornus or N. (N.) rectinervus</i>	205			
81250	<i>Nanocladius (N.) minimus</i>	103			

**Ohio EPA Monitoring and Assessment Section
Macroinvertebrate Collection**

Collection Date: 08/20/96 River Code: 19-001 River: Cuyahoga River

RM: 20.70

Taxa Code	Taxa	Quan/Qual	Taxa Code	Taxa	Quan/Qual
00401	<i>Spongillidae</i>		78401	<i>Natarsia species A (sensu Roback, 1978)</i>	
01801	<i>Turbellaria</i>	60	78450	<i>Nilotanypus fimbriatus</i>	98
03360	<i>Plumatella sp</i>	1	80420	<i>Cricotopus (C.) bicinctus</i>	196
03451	<i>Urnatella gracilis</i>	1	80430	<i>Cricotopus (C.) tremulus group</i>	98
03600	<i>Oligochaeta</i>	160	81231	<i>Nanocladius (N.) crassicornus or N. (N.) rectinervus</i>	392
04964	<i>Mooreobdella microstoma</i>		82141	<i>Thienemanniella xena</i>	32
05800	<i>Caecidotea sp</i>		82220	<i>Tvetenia discoloripes group</i>	98
06700	<i>Crangonyx sp</i>		82730	<i>Chironomus (C.) decorus group</i>	
06810	<i>Gammarus fasciatus</i>		82820	<i>Cryptochironomus sp</i>	
08260	<i>Orconectes (Crokerinus) sanbornii sanbornii</i>		83840	<i>Microtendipes pedellus group</i>	98
08601	<i>Hydracarina</i>	113	84210	<i>Paratendipes albimanus or P. duplicatus</i>	
11120	<i>Baetis flavistriga</i>	2	84300	<i>Phaenopsectra obediens group</i>	
11130	<i>Baetis intercalaris</i>	252	84450	<i>Polypedilum (P.) convictum</i>	2938
12200	<i>Isonychia sp</i>	2	84460	<i>Polypedilum (P.) fallax group</i>	98
13000	<i>Leucocuta sp</i>	1	84540	<i>Polypedilum (Tripodura) scalaenum group</i>	98
13400	<i>Stenacron sp</i>	2	85625	<i>Rheotanytarsus exiguus group</i>	4798
13521	<i>Stenonema femoratum</i>	1	85840	<i>Tanytarsus guerlus group</i>	196
13550	<i>Stenonema mexicanum integrum</i>	6	86401	<i>Atherix lantha</i>	
13570	<i>Stenonema terminatum</i>	8	87540	<i>Hemerodromia sp</i>	12
21200	<i>Calopteryx sp</i>	3	96900	<i>Ferrissia sp</i>	3
22300	<i>Argia sp</i>	8			
23909	<i>Boyeria vinosa</i>		No. Quantitative Taxa: 42		Total Taxa: 59
45400	<i>Trichocorixa sp</i>		No. Qualitative Taxa: 37		ICI: 46
48410	<i>Corydalus cornutus</i>	8	Number of Organisms: 16603		Qual EPT: 8
48620	<i>Nigronia serricornis</i>				
52200	<i>Cheumatopsyche sp</i>	5764			
52430	<i>Ceratopsyche morosa group</i>	2			
52450	<i>Ceratopsyche sparna</i>	14			
52530	<i>Hydropsyche depravata group</i>	16			
52540	<i>Hydropsyche dicantha</i>	322			
52570	<i>Hydropsyche simulans</i>	5			
53800	<i>Hydroptila sp</i>	5			
68601	<i>Ancyronyx variegata</i>				
68901	<i>Macronychus glabratus</i>	4			
69400	<i>Stenelmis sp</i>	2			
74100	<i>Simulium sp</i>				
77500	<i>Conchapelopia sp</i>	392			
77750	<i>Hayesomyia senata or Thienemannimyia norena</i>	196			
77800	<i>Helopelopia sp</i>	98			

**Ohio EPA Monitoring and Assessment Section
Macroinvertebrate Collection**

Collection Date: 08/26/96 River Code: 19-001 River: Cuyahoga River

RM: 17.00

Taxa Code	Taxa	Quan/Qual	Taxa Code	Taxa	Quan/Qual
01801	<i>Turbellaria</i>	+	77750	<i>Hayesomyia senata or Thienemannimyia norena</i>	400 +
03360	<i>Plumatella sp</i>	1	78450	<i>Nilotanypus fimbriatus</i>	73
03451	<i>Urnatella gracilis</i>	8	80310	<i>Cardiocladius obscurus</i>	36
03600	<i>Oligochaeta</i>	540 +	80370	<i>Corynoneura lobata</i>	16
05800	<i>Caecidotea sp</i>	8 +	80420	<i>Cricotopus (C.) bicinctus</i>	109 +
06700	<i>Crangonyx sp</i>	+	80430	<i>Cricotopus (C.) tremulus group</i>	109
06810	<i>Gammarus fasciatus</i>	+	82220	<i>Tvetenia discoloripes group</i>	73
08260	<i>Orconectes (Crokerinus) sanbornii sanbornii</i>	+	82730	<i>Chironomus (C.) decorus group</i>	+
08601	<i>Hydracarina</i>	19	82820	<i>Cryptochironomus sp</i>	+
11120	<i>Baetis flavistriga</i>	51 +	84450	<i>Polypedilum (P.) convictum</i>	582 +
11130	<i>Baetis intercalaris</i>	391 +	84470	<i>Polypedilum (P.) illinoense</i>	+
13000	<i>Leucrocuta sp</i>	6 +	84520	<i>Polypedilum (Tripodura) halterale group</i>	+
13400	<i>Stenacron sp</i>	200 +	84540	<i>Polypedilum (Tripodura) scalaenum group</i>	+
13550	<i>Stenonema mexicanum integrum</i>	56 +	85625	<i>Rheotanytarsus exiguus group</i>	2437 +
13570	<i>Stenonema terminatum</i>	360 +	85840	<i>Tanytarsus guerlus group</i>	36
21200	<i>Calopteryx sp</i>	1 +	86401	<i>Atherix lantha</i>	+
22300	<i>Argia sp</i>	+	87540	<i>Hemerodromia sp</i>	135 +
23909	<i>Boyeria vinosa</i>	+	95100	<i>Physella sp</i>	+
43570	<i>Neoplea sp</i>	+	96900	<i>Ferrissia sp</i>	26 +
45400	<i>Trichocorixa sp</i>	+			
48410	<i>Corydalis cornutus</i>	+	No. Quantitative Taxa: 36		Total Taxa: 59
48620	<i>Nigronia serricornis</i>	+	No. Qualitative Taxa: 46		ICI: 42
52200	<i>Cheumatopsyche sp</i>	2276 +	Number of Organisms: 8207		Qual EPT: 12
52430	<i>Ceratopsyche morosa group</i>	6			
52450	<i>Ceratopsyche sparna</i>	8 +			
52530	<i>Hydropsyche depravata group</i>	2 +			
52540	<i>Hydropsyche dicantha</i>	103 +			
52570	<i>Hydropsyche simulans</i>	2 +			
53800	<i>Hydroptila sp</i>	27			
59100	<i>Ceraclea sp</i>	2			
59410	<i>Nectopsyche diarina</i>	+			
67500	<i>Laccobius sp</i>	+			
68601	<i>Ancyronyx variegata</i>	48 +			
68901	<i>Macronychus glabratus</i>	33 +			
69400	<i>Stenelmis sp</i>	1 +			
70501	<i>Tipulidae</i>	+			
70600	<i>Antocha sp</i>	26			
74100	<i>Simulium sp</i>	+			
77120	<i>Ablabesmyia mallochi</i>	+			
77500	<i>Conchapelopia sp</i>	+			

**Ohio EPA Monitoring and Assessment Section
Macroinvertebrate Collection**

Collection Date: 08/20/96 River Code: 19-001 River: Cuyahoga River

RM: 15.60

Taxa Code	Taxa	Quan/Qual	Taxa Code	Taxa	Quan/Qual
03360	<i>Plumatella sp</i>	1	82141	<i>Thienemanniella xena</i>	80
03600	<i>Oligochaeta</i>	88 +	82820	<i>Cryptochironomus sp</i>	+
04901	<i>Erpobdellidae</i>	+	83040	<i>Dicrotendipes neomodestus</i>	45 +
05800	<i>Caecidotea sp</i>	+	84450	<i>Polypedilum (P.) convictum</i>	851 +
06810	<i>Gammarus fasciatus</i>	+	84470	<i>Polypedilum (P.) illinoense</i>	+
08260	<i>Orconectes (Crokerinus) sanbornii sanbornii</i>	+	84540	<i>Polypedilum (Tripodura) scalaenum group</i>	+
08601	<i>Hydracarina</i>	89	84700	<i>Stenochironomus sp</i>	90
11120	<i>Baetis flavistriga</i>	56 +	85625	<i>Rheotanytarsus exiguus group</i>	2330 +
11130	<i>Baetis intercalaris</i>	328 +	85800	<i>Tanytarsus sp</i>	45
13000	<i>Leucrocuta sp</i>	26 +	86100	<i>Chrysops sp</i>	+
13400	<i>Stenacron sp</i>	50 +	86401	<i>Atherix lantha</i>	1 +
13550	<i>Stenonema mexicanum integrum</i>	55 +	87540	<i>Hemerodromia sp</i>	40
13570	<i>Stenonema terminatum</i>	475 +	89704	<i>Limnophora aequifrons</i>	+
45400	<i>Trichocorixa sp</i>	+	96900	<i>Ferrissia sp</i>	16
47600	<i>Sialis sp</i>	+	No. Quantitative Taxa: 35		Total Taxa: 52
48410	<i>Corydalus cornutus</i>	5 +	No. Qualitative Taxa: 35		ICI: 44
48620	<i>Nigronia serricornis</i>	+	Number of Organisms: 9946		Qual EPT: 8
52200	<i>Cheumatopsyche sp</i>	3573 +			
52430	<i>Ceratopsyche morosa group</i>	72			
52450	<i>Ceratopsyche sparna</i>	26			
52530	<i>Hydropsyche depravata group</i>	105			
52540	<i>Hydropsyche dicantha</i>	550 +			
67800	<i>Tropisternus sp</i>	+			
68025	<i>Ectopria sp</i>	+			
68601	<i>Ancyronyx variegata</i>	1			
68901	<i>Macronychus glabratus</i>	1			
69400	<i>Stenelmis sp</i>	19 +			
70600	<i>Antocha sp</i>	8			
71900	<i>Tipula sp</i>	+			
74100	<i>Simulium sp</i>	8			
77500	<i>Conchapelopia sp</i>	179 +			
77750	<i>Hayesomyia senata or Thienemannimyia norena</i>	403 +			
77800	<i>Helopelopia sp</i>	+			
80310	<i>Cardiocladius obscurus</i>	+			
80370	<i>Corynoneura lobata</i>	16			
80430	<i>Cricotopus (C.) tremulus group</i>	90 +			
81231	<i>Nanocladius (N.) crassicornus or N. (N.) rectinervus</i>	179			
81825	<i>Rheocricotopus (Psilocricotopus) robacki</i>	45			

**Ohio EPA Monitoring and Assessment Section
Macroinvertebrate Collection**

Collection Date: 08/26/96 River Code: 19-001 River: Cuyahoga River

RM: 11.00

Taxa Code	Taxa	Quan/Qual	Taxa Code	Taxa	Quan/Qual
03360	<i>Plumatella sp</i>	1 +	81231	<i>Nanocladius (N.) crassicornus or N. (N.) rectinervus</i>	+
03451	<i>Urnatella gracilis</i>	1	81825	<i>Rheocricotopus (Psilocricotopus) robacki</i>	18
03600	<i>Oligochaeta</i>	195 +	82220	<i>Tvetenia discoloripes group</i>	36
04964	<i>Mooreobdella microstoma</i>	+	82820	<i>Cryptochironomus sp</i>	+
05800	<i>Caecidotea sp</i>	17 +	84450	<i>Polypedilum (P.) convictum</i>	399 +
06810	<i>Gammarus fasciatus</i>	+	84460	<i>Polypedilum (P.) fallax group</i>	18
08250	<i>Orconectes (Procericambarus) rusticus</i>	+	84540	<i>Polypedilum (Tripodura) scalaenum group</i>	+
08601	<i>Hydracarina</i>	96 +	84700	<i>Stenochironomus sp</i>	18
11115	<i>Baetis tricaudatus</i>	4	85625	<i>Rheotanytarsus exiguus group</i>	907
11120	<i>Baetis flavistriga</i>	114 +	85814	<i>Tanytarsus glabrescens group</i>	18
11130	<i>Baetis intercalaris</i>	143 +	86401	<i>Atherix lantha</i>	1 +
13400	<i>Stenacron sp</i>	1 +	87540	<i>Hemerodromia sp</i>	155 +
13550	<i>Stenonema mexicanum integrum</i>	101 +	95100	<i>Physella sp</i>	2 +
13570	<i>Stenonema terminatum</i>	810 +	96900	<i>Ferrissia sp</i>	6
16700	<i>Tricorythodes sp</i>	16			
21200	<i>Calopteryx sp</i>	+	No. Quantitative Taxa: 39		Total Taxa: 54
22300	<i>Argia sp</i>	+	No. Qualitative Taxa: 36		ICI: 46
48410	<i>Corydalus cornutus</i>	2 +	Number of Organisms: 6173		Qual EPT: 8
48620	<i>Nigronia serricornis</i>	+			
52401	<i>Ceratopsyche sp</i>	1699 +			
52430	<i>Ceratopsyche morosa group</i>	7			
52450	<i>Ceratopsyche sparna</i>	193 +			
52530	<i>Hydropsyche depravata group</i>	45			
52540	<i>Hydropsyche dicantha</i>	737 +			
53800	<i>Hydroptila sp</i>	20			
59100	<i>Ceraclea sp</i>	1			
68601	<i>Ancyronyx variegata</i>	21			
68901	<i>Macronychus glabratus</i>	7			
69400	<i>Stenelmis sp</i>	36 +			
71100	<i>Hexatoma sp</i>	+			
71300	<i>Limonia sp</i>	1			
71900	<i>Tipula sp</i>	+			
77500	<i>Conchapelopia sp</i>	127 +			
77750	<i>Hayesomyia senata or Thienemannimyia norena</i>	18 +			
77800	<i>Helopelopia sp</i>	+			
78401	<i>Natarsia species A (sensu Roback, 1978)</i>	+			
80310	<i>Cardiocladius obscurus</i>	91			
80420	<i>Cricotopus (C.) bicinctus</i>	+			
80430	<i>Cricotopus (C.) tremulus group</i>	91 +			
80440	<i>Cricotopus (C.) trifascia group</i>	+			

**Ohio EPA Monitoring and Assessment Section
Macroinvertebrate Collection**

Collection Date: 08/26/96 River Code: 19-001 River: Cuyahoga River

RM: 10.50

Taxa Code	Taxa	Quan/Qual	Taxa Code	Taxa	Quan/Qual
00401	<i>Spongillidae</i>		83040	<i>Dicrotendipes neomodestus</i>	
01320	<i>Hydra sp</i>	16	83051	<i>Dicrotendipes simpsoni</i>	
01801	<i>Turbellaria</i>	69	83300	<i>Glyptotendipes (G.) sp</i>	86
03360	<i>Plumatella sp</i>	1	84040	<i>Parachironomus frequens</i>	
03451	<i>Urnatella gracilis</i>	1	84450	<i>Polypedilum (P.) convictum</i>	223
03600	<i>Oligochaeta</i>	337	84470	<i>Polypedilum (P.) illinoense</i>	34
04962	<i>Mooreobdella fervida</i>	1	84540	<i>Polypedilum (Tripodura) scalaenum group</i>	34
04964	<i>Mooreobdella microstoma</i>	3	85625	<i>Rheotanytarsus exiguus group</i>	378
05800	<i>Caecidotea sp</i>	5	87540	<i>Hemerodromia sp</i>	227
06700	<i>Crangonyx sp</i>	89	89704	<i>Limnophora aequifrons</i>	
06810	<i>Gammarus fasciatus</i>	5	94201	<i>Lymnaeidae</i>	1
08601	<i>Hydracarina</i>	8	95100	<i>Physella sp</i>	62
11120	<i>Baetis flavistriga</i>	21	96120	<i>Menetus (Micromenetus) dilatatus</i>	1
11130	<i>Baetis intercalaris</i>	212	96900	<i>Ferrissia sp</i>	289
13000	<i>Leucocuta sp</i>				
13570	<i>Stenonema terminatum</i>	58	No. Quantitative Taxa: 40		Total Taxa: 54
21300	<i>Hetaerina sp</i>	1	No. Qualitative Taxa: 42		ICI: 26
22300	<i>Argia sp</i>		Number of Organisms: 3504		Qual EPT: 8
52200	<i>Cheumatopsyche sp</i>	142			
52530	<i>Hydropsyche depravata group</i>	42			
52540	<i>Hydropsyche dicantha</i>	37			
53800	<i>Hydroptila sp</i>	154			
59400	<i>Nectopsyche sp</i>	1			
68601	<i>Ancyronyx variegata</i>	7			
68901	<i>Macronychus glabratus</i>	1			
71300	<i>Limonia sp</i>				
71900	<i>Tipula sp</i>				
74100	<i>Simulium sp</i>	33			
77500	<i>Conchapelopia sp</i>	51			
77750	<i>Hayesomyia senata or Thienemannimyia norena</i>	223			
77800	<i>Helopelopia sp</i>				
80310	<i>Cardiocladius obscurus</i>				
80410	<i>Cricotopus (C.) sp</i>				
80420	<i>Cricotopus (C.) bicinctus</i>	429			
80430	<i>Cricotopus (C.) tremulus group</i>	34			
80500	<i>Cricotopus (Isocladius) reversus group</i>	34			
80510	<i>Cricotopus (Isocladius) sylvestris group</i>	103			
82730	<i>Chironomus (C.) decorus group</i>				
82770	<i>Chironomus (C.) riparius group</i>	51			
82820	<i>Cryptochironomus sp</i>				

**Ohio EPA Monitoring and Assessment Section
Macroinvertebrate Collection**

Collection Date: 08/27/96 River Code: 19-001 River: Cuyahoga River

RM: 9.70

Taxa Code	Taxa	Quan/Qual	Taxa Code	Taxa	Quan/Qual
01801	<i>Turbellaria</i>	14	84460	<i>Polypedilum (P.) fallax group</i>	27
03360	<i>Plumatella sp</i>	1 +	84540	<i>Polypedilum (Tripodura) scalaenum group</i>	200
03600	<i>Oligochaeta</i>	375 +	84700	<i>Stenochironomus sp</i>	13
04666	<i>Helobdella triserialis</i>	1	84790	<i>Tribelos fuscicorne</i>	13
04964	<i>Mooreobdella microstoma</i>	+	85625	<i>Rheotanytarsus exiguus group</i>	548 +
05800	<i>Caecidotea sp</i>	1 +	85814	<i>Tanytarsus glabrescens group</i>	13
06700	<i>Crangonyx sp</i>	+	85840	<i>Tanytarsus guerlus group</i>	27
06810	<i>Gammarus fasciatus</i>	12	87540	<i>Hemerodromia sp</i>	80 +
08601	<i>Hydracarina</i>	8	95100	<i>Physella sp</i>	8
11120	<i>Baetis flavistriga</i>	10	96900	<i>Ferrissia sp</i>	173 +
11130	<i>Baetis intercalaris</i>	29			
13400	<i>Stenacron sp</i>	27	No. Quantitative Taxa: 45		Total Taxa: 50
13550	<i>Stenonema mexicanum integrum</i>	232	No. Qualitative Taxa: 21		ICI: 36
13570	<i>Stenonema terminatum</i>	764 +	Number of Organisms: 3586		Qual EPT: 6
16700	<i>Tricorythodes sp</i>	2 +			
17200	<i>Caenis sp</i>	8			
21300	<i>Hetaerina sp</i>	1			
22001	<i>Coenagrionidae</i>	+			
22300	<i>Argia sp</i>	21 +			
45400	<i>Trichocorixa sp</i>	+			
48410	<i>Corydalis cornutus</i>	4			
52200	<i>Cheumatopsyche sp</i>	388 +			
52530	<i>Hydropsyche depravata group</i>	18 +			
52540	<i>Hydropsyche dicantha</i>	29 +			
53800	<i>Hydroptila sp</i>	61 +			
59420	<i>Nectopsyche pavidata</i>	1			
68601	<i>Ancyronyx variegata</i>	59 +			
68901	<i>Macronychus glabratus</i>	22			
69400	<i>Stenelmis sp</i>	9			
74100	<i>Simulium sp</i>	1			
77001	<i>Tanypodinae</i>	+			
77120	<i>Ablabesmyia mallochi</i>	13			
77500	<i>Conchapelopia sp</i>	49			
77750	<i>Hayesomyia senata or Thienemannimyia norena</i>	148			
77800	<i>Helopelopia sp</i>	83			
80410	<i>Cricotopus (C.) sp</i>	27			
82730	<i>Chironomus (C.) decorus group</i>	13 +			
83000	<i>Dicrotendipes sp</i>	13			
83300	<i>Glyptotendipes (G.) sp</i>	13 +			
84450	<i>Polypedilum (P.) convictum</i>	27			

**Ohio EPA Monitoring and Assessment Section
Macroinvertebrate Collection**

Collection Date: 08/27/96 River Code: 19-001 River: Cuyahoga River

RM: 8.30

Taxa Code	Taxa	Quan/Qual	Taxa Code	Taxa	Quan/Qual
03360	<i>Plumatella sp</i>	1		<i>rectinervus</i>	
03600	<i>Oligochaeta</i>	76 +	81250	<i>Nanocladius (N.) minimus</i>	7
04935	<i>Erbobdella punctata punctata</i>	1	82730	<i>Chironomus (C.) decorus group</i>	+
04964	<i>Mooreobdella microstoma</i>	3	82820	<i>Cryptochironomus sp</i>	7
05800	<i>Caecidotea sp</i>	13 +	83051	<i>Dicrotendipes simpsoni</i>	7
06700	<i>Crangonyx sp</i>	+	83300	<i>Glyptotendipes (G.) sp</i>	28
06810	<i>Gammarus fasciatus</i>	23 +	84450	<i>Polypedilum (P.) convictum</i>	57 +
08250	<i>Orconectes (Procericambarus) rusticus</i>	+	84540	<i>Polypedilum (Tripodura) scalaenum group</i>	100 +
08601	<i>Hydracarina</i>	+	84700	<i>Stenochironomus sp</i>	7
11120	<i>Baetis flavistriga</i>	26 +	85625	<i>Rheotanytarsus exiguus group</i>	349 +
11130	<i>Baetis intercalaris</i>	51 +	85814	<i>Tanytarsus glabrescens group</i>	43
13000	<i>Leucrocuta sp</i>	4	85840	<i>Tanytarsus guerlus group</i>	28
13400	<i>Stenacron sp</i>	1 +	86401	<i>Atherix lantha</i>	+
13550	<i>Stenonema mexicanum integrum</i>	125 +	87540	<i>Hemerodromia sp</i>	36 +
13570	<i>Stenonema terminatum</i>	350 +	95100	<i>Physella sp</i>	4
16700	<i>Tricorythodes sp</i>	12	96900	<i>Ferrissia sp</i>	39
22001	<i>Coenagrionidae</i>	+			
22300	<i>Argia sp</i>	2 +	No. Quantitative Taxa: 41		Total Taxa: 55
23909	<i>Boyeria vinosa</i>	+	No. Qualitative Taxa: 36		ICI: 36
45100	<i>Palmacorixa sp</i>	+	Number of Organisms: 2043		Qual EPT: 9
48410	<i>Corydalis cornutus</i>	+			
52200	<i>Cheumatopsyche sp</i>	198 +			
52450	<i>Ceratopsyche sparna</i>	+			
52530	<i>Hydropsyche depravata group</i>	9 +			
52540	<i>Hydropsyche dicantha</i>	5 +			
53800	<i>Hydroptila sp</i>	10			
59410	<i>Nectopsyche diarina</i>	1			
60900	<i>Peltodytes sp</i>	+			
65800	<i>Berosus sp</i>	+			
68601	<i>Ancyronyx variegata</i>	123 +			
68700	<i>Dubiraphia sp</i>	1			
68901	<i>Macronychus glabratus</i>	8 +			
69400	<i>Stenelmis sp</i>	51 +			
71900	<i>Tipula sp</i>	1			
74100	<i>Simulium sp</i>	1 +			
77120	<i>Ablabesmyia mallochi</i>	+			
77500	<i>Conchapelopia sp</i>	48 +			
77750	<i>Hayesomyia senata or Thienemannimyia norena</i>	180 +			
80430	<i>Cricotopus (C.) tremulus group</i>	+			
81231	<i>Nanocladius (N.) crassicornus or N. (N.)</i>	7			

**Ohio EPA/DSW Monitoring and Assessment Section
Macroinvertebrate Collection**

Collection Date: 08/26/1996 River Code: 19-001 River: Cuyahoga River

RM: 7.10

Taxa Code	Taxa	Quant/Qual	Taxa Code	Taxa	Quant/Qual
01320	<i>Hydra sp</i>	8	83000	<i>Dicrotendipes sp</i>	13
01801	<i>Turbellaria</i>	15 +	83300	<i>Glyptotendipes (G.) sp</i>	13
03360	<i>Plumatella sp</i>	1	84450	<i>Polypedilum (P.) "convictum" (sensu Simpson and Bode, 1980)</i>	52
03451	<i>Urnatella gracilis</i>	1	84470	<i>Polypedilum (P.) illinoense</i>	39 +
03600	<i>Oligochaeta</i>	219 +	84540	<i>Polypedilum (Tripodura) scalaenum group</i>	52 +
04935	<i>Erpobdella punctata punctata</i>	3 +	84700	<i>Stenochironomus sp</i>	25
04964	<i>Mooreobdella microstoma</i>	8 +	85625	<i>Rheotanytarsus exiguus group</i>	221
05800	<i>Caecidotea sp</i>	9 +	87540	<i>Hemerodromia sp</i>	58 +
06700	<i>Crangonyx sp</i>	12 +	95100	<i>Physella sp</i>	215
06810	<i>Gammarus fasciatus</i>	19 +	95501	<i>Planorbidae</i>	1
08250	<i>Orconectes (Procericambarus) rusticus</i>	+	96900	<i>Ferrissia sp</i>	901 +
08601	<i>Hydracarina</i>	19			
11120	<i>Baetis flavistriga</i>	40 +	No. Quantitative Taxa: 49		Total Taxa: 52
11130	<i>Baetis intercalaris</i>	102 +	No. Qualitative Taxa: 30		ICI: 24
13400	<i>Stenacron sp</i>	8 +	Number of Organisms: 3032		Qual EPT: 8
13550	<i>Stenonema mexicanum integrum</i>	6			
13570	<i>Stenonema terminatum</i>	72 +			
22300	<i>Argia sp</i>	11 +			
23909	<i>Boyeria vinosa</i>	1			
48620	<i>Nigronia serricornis</i>	+			
52200	<i>Cheumatopsyche sp</i>	34 +			
52450	<i>Ceratopsyche sparna</i>	2			
52530	<i>Hydropsyche depravata group</i>	9 +			
52540	<i>Hydropsyche dicantha</i>	28 +			
53800	<i>Hydroptila sp</i>	68 +			
68601	<i>Ancyronyx variegata</i>	11			
68901	<i>Macronychus glabratus</i>	3			
69400	<i>Stenelmis sp</i>	2 +			
77120	<i>Ablabesmyia mallochi</i>	13 +			
77500	<i>Conchapelopia sp</i>	107 +			
77750	<i>Hayesomyia senata or Thienemannimyia norena</i>	183 +			
77800	<i>Helopelopia sp</i>	61 +			
78401	<i>Natarsia species A (sensu Roback, 1978)</i>	+			
80370	<i>Corynoneura lobata</i>	33			
80420	<i>Cricotopus (C.) bicinctus</i>	169 +			
80430	<i>Cricotopus (C.) tremulus group</i>	78 +			
80510	<i>Cricotopus (Isocladius) sylvestris group</i>	13			
81231	<i>Nanocladius (N.) crassicornus or N. (N.) "rectinervis"</i>	39			
81240	<i>Nanocladius (N.) distinctus</i>	13			
81825	<i>Rheocricotopus (Psilocricotopus) robacki</i>	13			
82141	<i>Thienemanniella xena</i>	9			

**Ohio EPA/DSW Monitoring and Assessment Section
Macroinvertebrate Collection**

Collection Date: 08/20/1996 River Code: 19-001 River: Cuyahoga River

RM: 5.80 E

Taxa Code	Taxa	Quant/Qual	Taxa Code	Taxa	Quant/Qual
01320	<i>Hydra sp</i>	1	84460	<i>Polypedilum (P.) fallax group</i>	12
01801	<i>Turbellaria</i>	1	84470	<i>Polypedilum (P.) illinoense</i>	59 +
03360	<i>Plumatella sp</i>	1	84540	<i>Polypedilum (Tripodura) scalaenum group</i>	95
03600	<i>Oligochaeta</i>	184	84700	<i>Stenochironomus sp</i>	48
05800	<i>Caecidotea sp</i>	2	87540	<i>Hemerodromia sp</i>	10 +
06201	<i>Hyaella azteca</i>	+	95100	<i>Physella sp</i>	+
06810	<i>Gammarus fasciatus</i>	21 +	96900	<i>Ferrissia sp</i>	85
08250	<i>Orconectes (Procericambarus) rusticus</i>	+			
08601	<i>Hydracarina</i>	8	No. Quantitative Taxa: 38		Total Taxa: 48
11120	<i>Baetis flavistriga</i>	4	No. Qualitative Taxa: 17		ICI: 38
11130	<i>Baetis intercalaris</i>	7	Number of Organisms: 2050		Qual EPT: 1
13400	<i>Stenacron sp</i>	6			
13550	<i>Stenonema mexicanum integrum</i>	15 +			
13570	<i>Stenonema terminatum</i>	25			
22001	<i>Coenagrionidae</i>	+			
22300	<i>Argia sp</i>	3 +			
45100	<i>Palmarcorixa sp</i>	+			
52200	<i>Cheumatopsyche sp</i>	1			
52540	<i>Hydropsyche dicantha</i>	2			
59100	<i>Ceraclea sp</i>	3			
68601	<i>Ancyronyx variegata</i>	299			
68708	<i>Dubiraphia vittata group</i>	1			
68901	<i>Macronychus glabratus</i>	2			
77001	<i>Tanypodinae</i>	+			
77120	<i>Ablabesmyia mallochi</i>	24			
77130	<i>Ablabesmyia rhamphe group</i>	+			
77500	<i>Conchapelopia sp</i>	83			
77740	<i>Hayesomyia senata</i>	738			
77800	<i>Helopelopia sp</i>	+			
78650	<i>Procladius sp</i>	+			
79085	<i>Telopelopia okoboji</i>	12			
80510	<i>Cricotopus (Isocladius) sylvestris group</i>	+			
81231	<i>Nanocladius (N.) crassicornus or N. (N.) "rectinervis"</i>	36			
81240	<i>Nanocladius (N.) distinctus</i>	59			
82141	<i>Thienemanniella xena</i>	12			
83040	<i>Dicrotendipes neomodestus</i>	36			
83050	<i>Dicrotendipes lucifer</i>	48 +			
83300	<i>Glyptotendipes (G.) sp</i>	59 +			
84060	<i>Parachironomus pectinatellae</i>	12			
84315	<i>Phaenopsectra flavipes</i>	12			
84450	<i>Polypedilum (P.) "convictum" (sensu Simpson and Bode, 1980)</i>	24			

**Ohio EPA/DSW Monitoring and Assessment Section
Macroinvertebrate Collection**

Collection Date: 08/20/1996 River Code: 19-001 River: Cuyahoga River

RM: 5.00 W

Taxa Code	Taxa	Quant/Qual	Taxa Code	Taxa	Quant/Qual
03600	<i>Oligochaeta</i>	496			
05800	<i>Caecidotea sp</i>	1			
06700	<i>Crangonyx sp</i>	14			
08250	<i>Orconectes (Procericambarus) rusticus</i>	1 +			
11200	<i>Callibaetis sp</i>	1			
13400	<i>Stenacron sp</i>	+			
22001	<i>Coenagrionidae</i>	+			
22300	<i>Argia sp</i>	123 +			
77120	<i>Ablabesmyia mallochi</i>	35			
77750	<i>Hayesomyia senata or Thienemannimyia norena</i>	80			
77800	<i>Helopelopia sp</i>	15			
80490	<i>Cricotopus (Isocladius) intersectus group</i>	35			
80510	<i>Cricotopus (Isocladius) sylvestris group</i>	10			
81231	<i>Nanocladius (N.) crassicornus or N. (N.) "rectinervis"</i>	30			
81240	<i>Nanocladius (N.) distinctus</i>	15 +			
81250	<i>Nanocladius (N.) minimus</i>	5			
82710	<i>Chironomus (C.) sp</i>	5			
83040	<i>Dicrotendipes neomodestus</i>	30 +			
83050	<i>Dicrotendipes lucifer</i>	55			
83051	<i>Dicrotendipes simpsoni</i>	5			
83300	<i>Glyptotendipes (G.) sp</i>	35 +			
84020	<i>Parachironomus carinatus</i>	+			
84450	<i>Polypedilum (P.) "convictum" (sensu Simpson and Bode, 1980)</i>	10			
84460	<i>Polypedilum (P.) fallax group</i>	20			
84470	<i>Polypedilum (P.) illinoense</i>	65 +			
84540	<i>Polypedilum (Tripodura) scalaenum group</i>	45			
95100	<i>Physella sp</i>	9			

No. Quantitative Taxa: 24 Total Taxa: 27
 No. Qualitative Taxa: 9 ICI: 28
 Number of Organisms: 1140 Qual EPT: 1

**Ohio EPA/DSW Monitoring and Assessment Section
Macroinvertebrate Collection**

Collection Date: 08/20/1996 River Code: 19-001 River: Cuyahoga River

RM: 4.30 E

Taxa Code	Taxa	Quant/Qual	Taxa Code	Taxa	Quant/Qual
01320	<i>Hydra sp</i>	4			
01801	<i>Turbellaria</i>	496 +			
03451	<i>Urnatella gracilis</i>	42			
03600	<i>Oligochaeta</i>	1510 +			
05800	<i>Caecidotea sp</i>	+			
06700	<i>Crangonyx sp</i>	+			
06810	<i>Gammarus fasciatus</i>	1			
08250	<i>Orconectes (Procericambarus) rusticus</i>	+			
22300	<i>Argia sp</i>	5 +			
77750	<i>Hayesomyia senata or Thienemannimyia norena</i>	14			
80500	<i>Cricotopus (Isocladius) reversus group</i>	+			
81231	<i>Nanocladius (N.) crassicornus or N. (N.) "rectinervis"</i>	7			
81240	<i>Nanocladius (N.) distinctus</i>	14			
83050	<i>Dicrotendipes lucifer</i>	355 +			
83051	<i>Dicrotendipes simpsoni</i>	307 +			
83300	<i>Glyptotendipes (G.) sp</i>	20 +			
84470	<i>Polypedilum (P.) illinoense</i>	+			
84540	<i>Polypedilum (Tripodura) scalaenum group</i>	7			
95100	<i>Physella sp</i>	+			
96900	<i>Ferrissia sp</i>	16			

No. Quantitative Taxa: 14	Total Taxa: 20
No. Qualitative Taxa: 12	ICI: 14
Number of Organisms: 2798	Qual EPT: 0

**Ohio EPA/DSW Monitoring and Assessment Section
Macroinvertebrate Collection**

Collection Date: 08/20/1996 River Code: 19-001 River: Cuyahoga River

RM: 3.30 E

Taxa Code	Taxa	Quant/Qual	Taxa Code	Taxa	Quant/Qual
01320	<i>Hydra sp</i>	1			
01801	<i>Turbellaria</i>	1312 +			
03451	<i>Urnatella gracilis</i>	18			
03600	<i>Oligochaeta</i>	2536			
06201	<i>Hyalella azteca</i>	138 +			
06700	<i>Crangonyx sp</i>	1			
06810	<i>Gammarus fasciatus</i>	12			
22001	<i>Coenagrionidae</i>	1			
22300	<i>Argia sp</i>	6			
60300	<i>Dineutus sp</i>	+			
80500	<i>Cricotopus (Isocladius) reversus group</i>	+			
83040	<i>Dicrotendipes neomodestus</i>	22			
83050	<i>Dicrotendipes lucifer</i>	185			
83051	<i>Dicrotendipes simpsoni</i>	990 +			
83300	<i>Glyptotendipes (G.) sp</i>	11			
84470	<i>Polypedilum (P.) illinoense</i>	11 +			
84540	<i>Polypedilum (Tripodura) scalaenum group</i>	22			
95100	<i>Physella sp</i>	+			
96930	<i>Laevapex fuscus</i>	+			

No. Quantitative Taxa: 15 Total Taxa: 19

No. Qualitative Taxa: 8 ICI: **10**

Number of Organisms: 5266 Qual EPT: 0

**Ohio EPA/DSW Monitoring and Assessment Section
Macroinvertebrate Collection**

Collection Date: 08/20/1996 River Code: 19-001 River: Cuyahoga River

RM: 1.20 W

Taxa Code	Taxa	Quant/Qual	Taxa Code	Taxa	Quant/Qual
01320	<i>Hydra sp</i>	57			
01801	<i>Turbellaria</i>	324 +			
03600	<i>Oligochaeta</i>	1696 +			
04664	<i>Helobdella stagnalis</i>	15			
04666	<i>Helobdella triserialis</i>	1			
04935	<i>Erpobdella punctata punctata</i>	+			
04964	<i>Mooreobdella microstoma</i>	+			
05800	<i>Caecidotea sp</i>	68 +			
06201	<i>Hyalella azteca</i>	40 +			
06700	<i>Crangonyx sp</i>	29			
06810	<i>Gammarus fasciatus</i>	1 +			
22001	<i>Coenagrionidae</i>	1 +			
22300	<i>Argia sp</i>	10			
78650	<i>Procladius sp</i>	10			
82820	<i>Cryptochironomus sp</i>	+			
83051	<i>Dicrotendipes simpsoni</i>	1014 +			
83300	<i>Glyptotendipes (G.) sp</i>	20			
84000	<i>Parachironomus sp</i>	10			
84470	<i>Polypedilum (P.) illinoense</i>	+			
84540	<i>Polypedilum (Tripodura) scalaenum group</i>	10			
93025	<i>Bithynia tentaculata</i>	+			
95100	<i>Physella sp</i>	3 +			
96264	<i>Planorbella (Pierosoma) pilsbryi</i>	+			
96900	<i>Ferrissia sp</i>	1			
98200	<i>Pisidium sp</i>	1			
98600	<i>Sphaerium sp</i>	4 +			

No. Quantitative Taxa: 20 Total Taxa: 26

No. Qualitative Taxa: 15 ICI: 10

Number of Organisms: 3315 Qual EPT: 0

**Ohio EPA Monitoring and Assessment Section
Macroinvertebrate Collection**

Collection Date: 08/19/96 River Code: 19-036

River: West Branch Cuyahoga River

RM: 0.90

Taxa Code	Taxa	Quan/Qual	Taxa Code	Taxa	Quan/Qual
00401	<i>Spongillidae</i>	+	77800	<i>Helopelopia sp</i>	71 +
01320	<i>Hydra sp</i>	3	78450	<i>Nilotanypus fimbriatus</i>	32
01801	<i>Turbellaria</i>	5 +	78600	<i>Pentaneura inconspicua</i>	71
03360	<i>Plumatella sp</i>	1	78655	<i>Procladius (Holotanypus) sp</i>	+
03600	<i>Oligochaeta</i>	50 +	81825	<i>Rheocricotopus (Psilocricotopus) robacki</i>	212
04685	<i>Placobdella ornata</i>	+	82121	<i>Thienemanniella n.sp 3</i>	32
06201	<i>Hyalella azteca</i>	5 +	82141	<i>Thienemanniella xena</i>	32
08260	<i>Orconectes (Crokerinus) sanbornii sanbornii</i>	1 +	82300	<i>Xylotopus par</i>	+
08601	<i>Hydracarina</i>	5	82820	<i>Cryptochironomus sp</i>	+
11125	<i>Labiobaetis frondalis</i>	1	82880	<i>Cryptotendipes sp</i>	+
11130	<i>Baetis intercalaris</i>	127 +	83300	<i>Glyptotendipes (G.) sp</i>	+
11670	<i>Proclaeon irrubrum</i>	+	83820	<i>Microtendipes "caelum" (sensu Simpson & Bode, 1980)</i>	212 +
12200	<i>Isonychia sp</i>	+	83860	<i>Microtendipes rydalensis</i>	282 +
13400	<i>Stenacron sp</i>	+	84116	<i>Paracladopelma nereis</i>	+
17200	<i>Caenis sp</i>	6 +	84155	<i>Paralauterborniella nigrohalteralis</i>	+
18700	<i>Hexagenia sp</i>	3	84210	<i>Paratendipes albimanus or P. duplicatus</i>	+
21200	<i>Calopteryx sp</i>	29 +	84300	<i>Phaenopsectra obediens group</i>	142
24900	<i>Gomphus sp</i>	+	84460	<i>Polypedilum (P.) fallax group</i>	494
25010	<i>Hagenius brevistylus</i>	+	84540	<i>Polypedilum (Tripodura) scalaenum group</i>	635 +
45300	<i>Sigara sp</i>	+	85615	<i>Rheotanytarsus distinctissimus group</i>	+
45400	<i>Trichocorixa sp</i>	+	85625	<i>Rheotanytarsus exiguus group</i>	5929 +
47600	<i>Sialis sp</i>	+	85800	<i>Tanytarsus sp</i>	+
48620	<i>Nigronia serricornis</i>	6 +	85814	<i>Tanytarsus glabrescens group</i>	282
50315	<i>Chimarra obscura</i>	4 +	86100	<i>Chrysops sp</i>	+
51600	<i>Polycentropus sp</i>	7 +	87540	<i>Hemerodromia sp</i>	24 +
52200	<i>Cheumatopsyche sp</i>	162 +	93200	<i>Hydrobiidae</i>	+
52530	<i>Hydropsyche depravata group</i>	+	95100	<i>Physella sp</i>	+
53800	<i>Hydroptila sp</i>	3	96900	<i>Ferrissia sp</i>	3
57900	<i>Pycnopsyche sp</i>	+	98600	<i>Sphaerium sp</i>	+
59500	<i>Oecetis sp</i>	+	99100	<i>Pyganodon grandis</i>	+
60300	<i>Dineutus sp</i>	+	99120	<i>Utterbackia imbecillis</i>	+
60400	<i>Gyrinus sp</i>	3 +	99180	<i>Strophitus undulatus undulatus</i>	+
60900	<i>Peltodytes sp</i>	+	99260	<i>Lasmigona compressa</i>	+
67800	<i>Tropisternus sp</i>	+	99280	<i>Lasmigona costata</i>	+
68601	<i>Ancyronyx variegata</i>	2	99860	<i>Lampsilis radiata luteola</i>	+
68700	<i>Dubiraphia sp</i>	2 +			
69400	<i>Stenelmis sp</i>	4	No. Quantitative Taxa: 38		Total Taxa: 75
74100	<i>Simulium sp</i>	+	No. Qualitative Taxa: 56		ICI: 44
74501	<i>Ceratopogonidae</i>	1	Number of Organisms: 8954		Qual EPT: 11
77120	<i>Ablabesmyia mallochi</i>	71			

**Ohio EPA Monitoring and Assessment Section
Macrobenthic Collection**

Collection Date: 08/20/96 River Code: 19-033 River: Black Brook

RM: 1.80

Taxa Code	Taxa	Quan/Qual	Taxa Code	Taxa	Quan/Qual
00401	<i>Spongillidae</i>		84540	<i>Polypedilum (Tripodura) scalaenum group</i>	
01801	<i>Turbellaria</i>	219	84700	<i>Stenochironomus sp</i>	
03121	<i>Paludicella articulata</i>		85625	<i>Rheotanytarsus exiguus group</i>	28542
03360	<i>Plumatella sp</i>	1	86100	<i>Chrysops sp</i>	
03600	<i>Oligochaeta</i>	332	87540	<i>Hemerodromia sp</i>	73
06201	<i>Hyalella azteca</i>		93200	<i>Hydrobiidae</i>	40
08601	<i>Hydracarina</i>	216	94603	<i>Pseudosuccinea columella</i>	
11130	<i>Baetis intercalaris</i>	76	95100	<i>Physella sp</i>	
13400	<i>Stenacron sp</i>		96002	<i>Helisoma anceps anceps</i>	
13561	<i>Stenonema pulchellum</i>		96900	<i>Ferrissia sp</i>	
13590	<i>Stenonema vicarium</i>	1	98200	<i>Pisidium sp</i>	1
18700	<i>Hexagenia sp</i>		98600	<i>Sphaerium sp</i>	3
21200	<i>Calopteryx sp</i>	4	99100	<i>Pyganodon grandis</i>	
23909	<i>Boyeria vinosa</i>		99760	<i>Ligumia nasuta</i>	
24107	<i>Nasiaeschna pentacantha</i>				
47600	<i>Sialis sp</i>		No. Quantitative Taxa: 24		Total Taxa: 54
48620	<i>Nigronia serricornis</i>	1	No. Qualitative Taxa: 48		ICI: 40
50315	<i>Chimarra obscura</i>	971	Number of Organisms: 39602		Qual EPT: 10
50804	<i>Lype diversa</i>				
52200	<i>Cheumatopsyche sp</i>	6417			
52530	<i>Hydropsyche depravata group</i>	11			
57900	<i>Pycnopsyche sp</i>				
59100	<i>Ceraclea sp</i>				
60300	<i>Dineutus sp</i>	1			
60400	<i>Gyrinus sp</i>				
69400	<i>Stenelmis sp</i>	29			
71900	<i>Tipula sp</i>				
74100	<i>Simulium sp</i>	4			
77500	<i>Conchapelopia sp</i>	221			
77800	<i>Helopelopia sp</i>				
78450	<i>Nilotanytus fimbriatus</i>	1112			
78600	<i>Pentaneura inconspicua</i>				
82820	<i>Cryptochironomus sp</i>				
82900	<i>Demicryptochironomus sp</i>				
83820	<i>Microtendipes "caelum" (sensu Simpson & Bode, 1980)</i>				
83860	<i>Microtendipes rydalensis</i>				
84210	<i>Paratendipes albimanus or P. duplicatus</i>	221			
84300	<i>Phaenopsectra obediens group</i>	221			
84450	<i>Polypedilum (P.) convictum</i>	885			
84460	<i>Polypedilum (P.) fallax group</i>				

**Ohio EPA Monitoring and Assessment Section
Macroinvertebrate Collection**

Collection Date: 08/19/96 River Code: 19-035 River: Bridge Creek

RM: 11.20

Taxa Code	Taxa	Quan/Qual	Taxa Code	Taxa	Quan/Qual
03600	<i>Oligochaeta</i>	+			
06201	<i>Hyalella azteca</i>	+			
11200	<i>Callibaetis sp</i>	+			
22001	<i>Coenagrionidae</i>	+			
23804	<i>Basiaeschna janata</i>	+			
28955	<i>Libellula lydia</i>	+			
45100	<i>Palmacorixa sp</i>	+			
45300	<i>Sigara sp</i>	+			
47600	<i>Sialis sp</i>	+			
63900	<i>Laccophilus sp</i>	+			
77355	<i>Clinotanypus pinguis</i>	+			
77500	<i>Conchapelopia sp</i>	+			
78401	<i>Natarsia species A (sensu Roback, 1978)</i>	+			
78650	<i>Procladius sp</i>	+			
79030	<i>Tanypus punctipennis</i>	+			
80420	<i>Cricotopus (C.) bicinctus</i>	+			
80510	<i>Cricotopus (Isocladius) sylvestris group</i>	+			
84750	<i>Stictochironomus sp</i>	+			
86100	<i>Chrysops sp</i>	+			
95100	<i>Physella sp</i>	+			
98200	<i>Pisidium sp</i>	+			
98600	<i>Sphaerium sp</i>	+			

No. Quantitative Taxa: 0 Total Taxa: 22

No. Qualitative Taxa: 22 ICI:

Number of Organisms: 0 Qual EPT: 1

**Ohio EPA Monitoring and Assessment Section
Macroinvertebrate Collection**

Collection Date: 08/19/96 River Code: 19-035 River: Bridge Creek

RM: 8.50

Taxa Code	Taxa	Quan/Qual	Taxa Code	Taxa	Quan/Qual
00401	<i>Spongillidae</i>	+			
03600	<i>Oligochaeta</i>	+	No. Quantitative Taxa:	0	Total Taxa: 37
06201	<i>Hyalella azteca</i>	+	No. Qualitative Taxa:	37	ICI:
08250	<i>Orconectes (Procericambarus) rusticus</i>	+	Number of Organisms:	0	Qual EPT: 15
11120	<i>Baetis flavistriga</i>	+			
11130	<i>Baetis intercalaris</i>	+			
12200	<i>Isonychia sp</i>	+			
13000	<i>Leucrocuta sp</i>	+			
13400	<i>Stenacron sp</i>	+			
13561	<i>Stenonema pulchellum</i>	+			
17200	<i>Caenis sp</i>	+			
21200	<i>Calopteryx sp</i>	+			
22001	<i>Coenagrionidae</i>	+			
23909	<i>Boyeria vinosa</i>	+			
47600	<i>Sialis sp</i>	+			
48620	<i>Nigronia serricornis</i>	+			
50315	<i>Chimarra obscura</i>	+			
51600	<i>Polycentropus sp</i>	+			
52200	<i>Cheumatopsyche sp</i>	+			
52430	<i>Ceratopsyche morosa group</i>	+			
52440	<i>Ceratopsyche slossonae</i>	+			
52530	<i>Hydropsyche depravata group</i>	+			
57400	<i>Neophylax sp</i>	+			
57900	<i>Pycnopsyche sp</i>	+			
68075	<i>Psephenus herricki</i>	+			
68708	<i>Dubiraphia vittata group</i>	+			
68901	<i>Macronychus glabratus</i>	+			
69410	<i>Stenelmis crenata</i>	+			
71900	<i>Tipula sp</i>	+			
74100	<i>Simulium sp</i>	+			
78450	<i>Nilotanytus fimbriatus</i>	+			
80204	<i>Brillia flavifrons group</i>	+			
82820	<i>Cryptochironomus sp</i>	+			
83840	<i>Microtendipes pedellus group</i>	+			
84300	<i>Phaenopsectra obediens group</i>	+			
84475	<i>Polypedilum (P.) ophioides</i>	+			
86401	<i>Atherix lantha</i>	+			

**Ohio EPA Monitoring and Assessment Section
Macroinvertebrate Collection**

Collection Date: 08/20/96 River Code: 19-035 River: Bridge Creek

RM: 1.30

Taxa Code	Taxa	Quan/Qual	Taxa Code	Taxa	Quan/Qual
00401	<i>Spongillidae</i>		84450	<i>Polypedilum (P.) convictum</i>	277 +
01320	<i>Hydra sp</i>	34	84460	<i>Polypedilum (P.) fallax group</i>	6
01801	<i>Turbellaria</i>	720 +	84470	<i>Polypedilum (P.) illinoense</i>	+
03360	<i>Plumatella sp</i>	1	84540	<i>Polypedilum (Tripodura) scalaenum group</i>	41
03600	<i>Oligochaeta</i>	88 +	85625	<i>Rheotanytarsus exiguus group</i>	18 +
05800	<i>Caecidotea sp</i>	305 +	85800	<i>Tanytarsus sp</i>	29
06201	<i>Hyalella azteca</i>	475 +	93200	<i>Hydrobiidae</i>	+
08260	<i>Orconectes (Crockerinus) sanbornii</i>	+	93900	<i>Elimia sp</i>	+
			94603	<i>Pseudosuccinea columella</i>	+
11200	<i>Callibaetis sp</i>	+	95100	<i>Physella sp</i>	3 +
13521	<i>Stenonema femoratum</i>	9	95907	<i>Gyraulus (Torquis) parvus</i>	+
22001	<i>Coenagrionidae</i>	+	98600	<i>Sphaerium sp</i>	1 +
22300	<i>Argia sp</i>	13 +	99100	<i>Pyganodon grandis</i>	+
23700	<i>Anax sp</i>	+			
23804	<i>Basiaeschna janata</i>	+	No. Quantitative Taxa: 28		Total Taxa: 52
45100	<i>Palmacorixa sp</i>	+	No. Qualitative Taxa: 40		ICI: 28
45400	<i>Trichocorixa sp</i>	+	Number of Organisms: 2479		Qual EPT: 4
47600	<i>Sialis sp</i>	+			
51206	<i>Cyrnellus fraternus</i>	4 +			
52200	<i>Cheumatopsyche sp</i>	72 +			
53800	<i>Hydroptila sp</i>	17			
59520	<i>Oecetis cinerascens</i>	2 +			
59970	<i>Petrophila sp</i>	+			
60300	<i>Dineutus sp</i>	+			
60400	<i>Gyrinus sp</i>	+			
60900	<i>Peltodytes sp</i>	+			
67800	<i>Tropisternus sp</i>	+			
68702	<i>Dubiraphia bivittata</i>	+			
72700	<i>Anopheles sp</i>	+			
77130	<i>Ablabesmyia rhamphe group</i>	47 +			
77800	<i>Helopelopia sp</i>	6			
78600	<i>Pentaneura inconspicua</i>	41 +			
80410	<i>Cricotopus (C.) sp</i>	12			
81231	<i>Nanocladius (N.) crassicornus or N. (N.) rectinervus</i>	6			
82820	<i>Cryptochironomus sp</i>	+			
83040	<i>Dicrotendipes neomodestus</i>	82			
83051	<i>Dicrotendipes simpsoni</i>	53			
83158	<i>Endochironomus nigricans</i>	82 +			
83300	<i>Glyptotendipes (G.) sp</i>	35 +			
84210	<i>Paratendipes albimanus or P. duplicatus</i>	+			

**Ohio EPA Monitoring and Assessment Section
Macroinvertebrate Collection**

Collection Date: 08/19/96 River Code: 19-028 River: Breakneck Creek

RM: 14.70

Taxa Code	Taxa	Quan/Qual	Taxa Code	Taxa	Quan/Qual
00401	<i>Spongillidae</i>	+	78401	<i>Natarsia species A (sensu Roback, 1978)</i>	+
01801	<i>Turbellaria</i>	9 +	78450	<i>Nilotanypus fimbriatus</i>	11 +
03600	<i>Oligochaeta</i>	6	80370	<i>Corynoneura lobata</i>	88 +
04682	<i>Placobdella montifera</i>	+	80510	<i>Cricotopus (Isocladius) sylvestris group</i>	+
04685	<i>Placobdella ornata</i>	+	81231	<i>Nanocladius (N.) crassicornus or N. (N.) rectinervus</i>	4
06201	<i>Hyaella azteca</i>	+	81825	<i>Rheocricotopus (Psilocricotopus) robacki</i>	18 +
06700	<i>Crangonyx sp</i>	10 +	82121	<i>Thienemanniella n.sp 3</i>	7
08260	<i>Orconectes (Crokerinus) sanbornii sanbornii</i>	+	82141	<i>Thienemanniella xena</i>	13
08601	<i>Hydracarina</i>	+	82220	<i>Tvetenia discoloripes group</i>	4
11130	<i>Baetis intercalaris</i>	176 +	83820	<i>Microtendipes "caelum" (sensu Simpson & Bode, 1980)</i>	+
13400	<i>Stenacron sp</i>	168 +	83840	<i>Microtendipes pedellus group</i>	7
13561	<i>Stenonema pulchellum</i>	7	84450	<i>Polypedilum (P.) convictum</i>	57 +
14950	<i>Leptophlebia sp or Paraleptophebia sp</i>	14	84460	<i>Polypedilum (P.) fallax group</i>	68 +
21200	<i>Calopteryx sp</i>	+	84470	<i>Polypedilum (P.) illinoense</i>	7 +
22001	<i>Coenagrionidae</i>	+	84540	<i>Polypedilum (Tripodura) scalaenum group</i>	11
23804	<i>Basiaeschna janata</i>	+	84700	<i>Stenochironomus sp</i>	4 +
34130	<i>Acroneuria frisoni</i>	2 +	85263	<i>Cladotanytarsus vanderwulpi group Type 3</i>	+
42700	<i>Belostoma sp</i>	+	85615	<i>Rheotanytarsus distinctissimus group</i>	7
45100	<i>Palmarcorixa sp</i>	+	85625	<i>Rheotanytarsus exiguus group</i>	161 +
45900	<i>Notonecta sp</i>	+	85814	<i>Tanytarsus glabrescens group</i>	7 +
47600	<i>Sialis sp</i>	+	86100	<i>Chrysops sp</i>	+
50804	<i>Lype diversa</i>	2 +	87540	<i>Hemerodromia sp</i>	11
51600	<i>Polycentropus sp</i>	1 +	92516	<i>Campeloma decisum</i>	+
52200	<i>Cheumatopsyche sp</i>	249 +	93200	<i>Hydrobiidae</i>	1 +
52430	<i>Ceratopsyche morosa group</i>	4 +	96900	<i>Ferrissia sp</i>	13 +
52530	<i>Hydropsyche depravata group</i>	39 +	98200	<i>Pisidium sp</i>	+
52540	<i>Hydropsyche dicantha</i>	8	98600	<i>Sphaerium sp</i>	+
57900	<i>Pycnopsyche sp</i>	+	99100	<i>Pyganodon grandis</i>	+
60300	<i>Dineutus sp</i>	8 +	99260	<i>Lasmigona compressa</i>	+
67800	<i>Tropisternus sp</i>	+			
68601	<i>Ancyronyx variegata</i>	5	No. Quantitative Taxa: 41		Total Taxa: 68
68708	<i>Dubiraphia vittata group</i>	+	No. Qualitative Taxa: 54		ICI: 50
68901	<i>Macronychus glabratus</i>	24 +	Number of Organisms: 1271		Qual EPT: 9
69400	<i>Stenelmis sp</i>	+			
74100	<i>Simulium sp</i>	7 +			
74501	<i>Ceratopogonidae</i>	1			
77500	<i>Conchapelopia sp</i>	14 +			
77750	<i>Hayesomyia senata or Thienemannimyia norena</i>	7 +			
77800	<i>Helopelopia sp</i>	11 +			

**Ohio EPA Monitoring and Assessment Section
Macroinvertebrate Collection**

Collection Date: 08/19/96 River Code: 19-028 River: Breakneck Creek

RM: 6.90

Taxa Code	Taxa	Quan/Qual	Taxa Code	Taxa	Quan/Qual
01801	<i>Turbellaria</i>	1 +	82820	<i>Cryptochironomus sp</i>	+
03600	<i>Oligochaeta</i>	8	83840	<i>Microtendipes pedellus group</i>	+
06201	<i>Hyalella azteca</i>	+	84450	<i>Polypedilum (P.) convictum</i>	580
06700	<i>Crangonyx sp</i>	25 +	84460	<i>Polypedilum (P.) fallax group</i>	53
08260	<i>Orconectes (Crockerinus) sanbornii</i>	1 +	84470	<i>Polypedilum (P.) illinoense</i>	+
08601	<i>Hydracarina</i>	16	84540	<i>Polypedilum (Tripodura) scalaenum group</i>	105
11130	<i>Baetis intercalaris</i>	120 +	84750	<i>Stictochironomus sp</i>	+
11150	<i>Labiobaetis propinquus</i>	+	85615	<i>Rheotanytarsus distinctissimus group</i>	105
13400	<i>Stenacron sp</i>	276 +	85625	<i>Rheotanytarsus exiguus group</i>	5115 +
13510	<i>Stenonema exiguum</i>	65	85720	<i>Stempellinella n.sp nr. flavidula</i>	72
14950	<i>Leptophlebia sp or Paraleptophebica sp</i>	121	85814	<i>Tanytarsus glabrescens group</i>	316
21200	<i>Calopteryx sp</i>	+	86100	<i>Chrysops sp</i>	+
34130	<i>Acroneuria frisoni</i>	3 +	87540	<i>Hemerodromia sp</i>	59
42700	<i>Belostoma sp</i>	+	93900	<i>Elimia sp</i>	+
43570	<i>Neoplea sp</i>	+	95100	<i>Physella sp</i>	+
45300	<i>Sigara sp</i>	+	96900	<i>Ferrissia sp</i>	3
45900	<i>Notonecta sp</i>	+	98600	<i>Sphaerium sp</i>	1 +
47600	<i>Sialis sp</i>	+	<hr/> No. Quantitative Taxa: 32 Total Taxa: 56		
48620	<i>Nigronia serricornis</i>	+	No. Qualitative Taxa: 38 ICI: 44		
51600	<i>Polycentropus sp</i>	1 +	Number of Organisms: 8276 Qual EPT: 7		
52200	<i>Cheumatopsyche sp</i>	738 +			
57900	<i>Pycnopsyche sp</i>	1 +			
59950	<i>Parapoynx sp</i>	+			
60300	<i>Dineutus sp</i>	4 +			
60910	<i>Peltodytes edentulus</i>	+			
63300	<i>Hydroporus sp</i>	+			
68708	<i>Dubiraphia vittata group</i>	+			
68901	<i>Macronychus glabratus</i>	26 +			
69400	<i>Stenelmis sp</i>	+			
71100	<i>Hexatoma sp</i>	+			
74100	<i>Simulium sp</i>	+			
77500	<i>Conchapelopia sp</i>	158 +			
77750	<i>Hayesomyia senata or Thienemannimyia norena</i>	53			
78450	<i>Nilotanytus fimbriatus</i>	64			
80370	<i>Corynoneura lobata</i>	24			
81631	<i>Parakiefferiella n.sp 1</i>	53			
81825	<i>Rheocricotopus (Psilocricotopus) robacki</i>	53			
82121	<i>Thienemanniella n.sp 3</i>	56			
82710	<i>Chironomus (C.) sp</i>	+			

**Ohio EPA Monitoring and Assessment Section
Macroinvertebrate Collection**

Collection Date: 08/19/96 River Code: 19-028 River: Breakneck Creek

RM: 5.20

Taxa Code	Taxa	Quan/Qual	Taxa Code	Taxa	Quan/Qual
03600	<i>Oligochaeta</i>	64	74100	<i>Simulium sp</i>	+
06201	<i>Hyalella azteca</i>	+	77120	<i>Ablabesmyia mallochi</i>	+
06700	<i>Crangonyx sp</i>	+	77500	<i>Conchapelopia sp</i>	129
08260	<i>Orconectes (Crockerinus) sanbornii sanbornii</i>	+	77800	<i>Helopelopia sp</i>	+
08601	<i>Hydracarina</i>	72	78450	<i>Nilotanypus fimbriatus</i>	112
11130	<i>Baetis intercalaris</i>	339	78599	<i>Pentaneura sp</i>	65
11150	<i>Labiobaetis propinquus</i>	+	80410	<i>Cricotopus (C.) sp</i>	65
13400	<i>Stenacron sp</i>	+	80420	<i>Cricotopus (C.) bicinctus</i>	65
13510	<i>Stenonema exiguum</i>	84	80430	<i>Cricotopus (C.) tremulus group</i>	+
14950	<i>Leptophlebia sp or Paraleptophebia sp</i>	48	81231	<i>Nanocladius (N.) crassicornus or N. (N.) rectinervus</i>	65
21200	<i>Calopteryx sp</i>	33	81270	<i>Nanocladius (N.) spiniplenus</i>	65
22001	<i>Coenagrionidae</i>	+	81825	<i>Rheocricotopus (Psilocricotopus) robacki</i>	258
34130	<i>Acroneuria frisoni</i>	17	82121	<i>Thienemanniella n.sp 3</i>	12
42700	<i>Belostoma sp</i>	+	82141	<i>Thienemanniella xena</i>	12
43570	<i>Neoplea sp</i>	+	83840	<i>Microtendipes pedellus group</i>	65
45300	<i>Sigara sp</i>	+	84300	<i>Phaenopsectra obediens group</i>	+
45900	<i>Notonecta sp</i>	+	84450	<i>Polypedilum (P.) convictum</i>	388
47600	<i>Sialis sp</i>	+	84460	<i>Polypedilum (P.) fallax group</i>	65
48620	<i>Nigronia serricornis</i>	+	84470	<i>Polypedilum (P.) illinoense</i>	+
50315	<i>Chimarra obscura</i>	+	84540	<i>Polypedilum (Tripodura) scalaenum group</i>	129
50804	<i>Lype diversa</i>	2	84700	<i>Stenochironomus sp</i>	65
52200	<i>Cheumatopsyche sp</i>	574	85615	<i>Rheotanytarsus distinctissimus group</i>	194
52430	<i>Ceratopsyche morosa group</i>	50	85625	<i>Rheotanytarsus exiguus group</i>	5105
52530	<i>Hydropsyche depravata group</i>	524	87540	<i>Hemerodromia sp</i>	321
57400	<i>Neophylax sp</i>	+	93200	<i>Hydrobiidae</i>	+
57900	<i>Pycnopsyche sp</i>	2	95100	<i>Physella sp</i>	+
60300	<i>Dineutus sp</i>	1	96900	<i>Ferrissia sp</i>	25
60820	<i>Haliplus fasciatus</i>	+	98200	<i>Pisidium sp</i>	+
60830	<i>Haliplus immaculicollis</i>	+	98600	<i>Sphaerium sp</i>	+
60900	<i>Peltodytes sp</i>	+			
60910	<i>Peltodytes edentulus</i>	+	No. Quantitative Taxa:	35	Total Taxa: 69
63300	<i>Hydroporus sp</i>	+	No. Qualitative Taxa:	53	ICI: 46
63900	<i>Laccophilus sp</i>	+	Number of Organisms:	9072	Qual EPT: 10
67800	<i>Tropisternus sp</i>	+			
68708	<i>Dubiraphia vittata group</i>	+			
68901	<i>Macronychus glabratus</i>	47			
69400	<i>Stenelmis sp</i>	9			
71100	<i>Hexatoma sp</i>	1			
71900	<i>Tipula sp</i>	+			
72900	<i>Culex sp</i>	+			

**Ohio EPA Monitoring and Assessment Section
Macroinvertebrate Collection**

Collection Date: 08/20/96 River Code: 19-028 River: Breakneck Creek

RM: 3.10

Taxa Code	Taxa	Quan/Qual	Taxa Code	Taxa	Quan/Qual
03600	<i>Oligochaeta</i>	8 +	95100	<i>Physella sp</i>	+
06700	<i>Crangonyx sp</i>	+	96900	<i>Ferrissia sp</i>	125 +
08260	<i>Orconectes (Crockerinus) sanbornii sanbornii</i>	+	98600	<i>Sphaerium sp</i>	+
08601	<i>Hydracarina</i>	16	<hr/> No. Quantitative Taxa: 32 Total Taxa: 43		
11130	<i>Baetis intercalaris</i>	303 +	No. Qualitative Taxa: 29 ICI: 48		
13400	<i>Stenacron sp</i>	170 +	Number of Organisms: 4623 Qual EPT: 8		
13510	<i>Stenonema exiguum</i>	6 +			
14950	<i>Leptophlebia sp or Paraleptophebia sp</i>	208			
17200	<i>Caenis sp</i>	1 +			
21200	<i>Calopteryx sp</i>	+			
22300	<i>Argia sp</i>	+			
50804	<i>Lype diversa</i>	3 +			
52200	<i>Cheumatopsyche sp</i>	417 +			
52430	<i>Ceratopsyche morosa group</i>	5			
52530	<i>Hydropsyche depravata group</i>	15 +			
57900	<i>Pycnopsyche sp</i>	+			
60300	<i>Dineutus sp</i>	2			
68708	<i>Dubiraphia vittata group</i>	+			
68901	<i>Macronychus glabratus</i>	9 +			
69400	<i>Stenelmis sp</i>	1			
74100	<i>Simulium sp</i>	26 +			
77500	<i>Conchapelopia sp</i>	108 +			
78450	<i>Nilotanytus fimbriatus</i>	64			
80370	<i>Corynoneura lobata</i>	40			
80420	<i>Cricotopus (C.) bicinctus</i>	36			
81825	<i>Rheocricotopus (Psilocricotopus) robacki</i>	144 +			
82121	<i>Thienemanniella n.sp 3</i>	27			
82141	<i>Thienemanniella xena</i>	13 +			
82820	<i>Cryptochironomus sp</i>	+			
83840	<i>Microtendipes pedellus group</i>	+			
84450	<i>Polypedilum (P.) convictum</i>	646 +			
84460	<i>Polypedilum (P.) fallax group</i>	36			
84540	<i>Polypedilum (Tripodura) scalaenum group</i>	36			
84700	<i>Stenochironomus sp</i>	+			
85500	<i>Paratanytarsus sp</i>	36			
85615	<i>Rheotanytarsus distinctissimus group</i>	72 +			
85625	<i>Rheotanytarsus exiguus group</i>	1938 +			
85814	<i>Tanytarsus glabrescens group</i>	36			
87540	<i>Hemerodromia sp</i>	75 +			
93200	<i>Hydrobiidae</i>	1			

**Ohio EPA Monitoring and Assessment Section
Macroinvertebrate Collection**

Collection Date: 08/20/96 River Code: 19-028 River: Breakneck Creek

RM: 1.80

Taxa Code	Taxa	Quan/Qual	Taxa Code	Taxa	Quan/Qual
01801	<i>Turbellaria</i>	1	84460	<i>Polypedilum (P.) fallax group</i>	37 +
03600	<i>Oligochaeta</i>	8	84470	<i>Polypedilum (P.) illinoense</i>	19
04685	<i>Placobdella ornata</i>	+	84540	<i>Polypedilum (Tripodura) scalaenum group</i>	19 +
04964	<i>Mooreobdella microstoma</i>	+	84750	<i>Stictochironomus sp</i>	+
06201	<i>Hyalella azteca</i>	+	84800	<i>Tribelos jucundum</i>	19
06700	<i>Crangonyx sp</i>	1	85615	<i>Rheotanytarsus distinctissimus group</i>	19
08250	<i>Orconectes (Procericambarus) rusticus</i>	+	85625	<i>Rheotanytarsus exiguus group</i>	785 +
08601	<i>Hydracarina</i>	16	85814	<i>Tanytarsus glabrescens group</i>	168
11130	<i>Baetis intercalaris</i>	173 +	87540	<i>Hemerodromia sp</i>	26
11150	<i>Labiobaetis propinquus</i>	+	93200	<i>Hydrobiidae</i>	+
13400	<i>Stenacron sp</i>	39 +	95100	<i>Physella sp</i>	+
14950	<i>Leptophlebia sp or Paraleptophebica sp</i>	91	96900	<i>Ferrissia sp</i>	84 +
21200	<i>Calopteryx sp</i>	+			
22001	<i>Coenagrionidae</i>	+	No. Quantitative Taxa: 31		Total Taxa: 53
45100	<i>Palmaricorixa sp</i>	+	No. Qualitative Taxa: 37		ICI: 36
45900	<i>Notonecta sp</i>	+	Number of Organisms: 3515		Qual EPT: 6
47600	<i>Sialis sp</i>	+			
48620	<i>Nigronia serricornis</i>	+			
50804	<i>Lype diversa</i>	2			
52200	<i>Cheumatopsyche sp</i>	542 +			
52530	<i>Hydropsyche depravata group</i>	16 +			
57900	<i>Pycnopsyche sp</i>	+			
60300	<i>Dineutus sp</i>	1 +			
60900	<i>Peltodytes sp</i>	+			
63300	<i>Hydroporus sp</i>	+			
67800	<i>Tropisternus sp</i>	+			
68708	<i>Dubiraphia vittata group</i>	+			
68901	<i>Macronychus glabratus</i>	34 +			
69400	<i>Stenelmis sp</i>	2 +			
74100	<i>Simulium sp</i>	23 +			
77355	<i>Clinotanypus pinguis</i>	+			
77500	<i>Conchapelopia sp</i>	93 +			
77800	<i>Helopelopia sp</i>	37 +			
78450	<i>Nilotanypus fimbriatus</i>	56			
78655	<i>Procladius (Holotanypus) sp</i>	+			
80370	<i>Corynoneura lobata</i>	128			
81825	<i>Rheocricotopus (Psilocricotopus) robacki</i>	224			
82121	<i>Thienemanniella n.sp 3</i>	20			
82141	<i>Thienemanniella xena</i>	308			
82820	<i>Cryptochironomus sp</i>	+			
84450	<i>Polypedilum (P.) convictum</i>	524 +			

**Ohio EPA Monitoring and Assessment Section
Macroinvertebrate Collection**

Collection Date: 08/21/96 River Code: 19-028 River: Breakneck Creek

RM: 0.10

Taxa Code	Taxa	Quan/Qual	Taxa Code	Taxa	Quan/Qual
01320	<i>Hydra sp</i>	8	81825	<i>Rheocricotopus (Psilocricotopus) robacki</i>	55
01801	<i>Turbellaria</i>	23 +	82141	<i>Thienemanniella xena</i>	152
03600	<i>Oligochaeta</i>	19	82220	<i>Tvetenia discoloripes group</i>	28
04901	<i>Erpobdellidae</i>	+	83040	<i>Dicrotendipes neomodestus</i>	+
06201	<i>Hyalella azteca</i>	+	83820	<i>Microtendipes "caelum" (sensu Simpson & Bode, 1980)</i>	69
06700	<i>Crangonyx sp</i>	1 +	83840	<i>Microtendipes pedellus group</i>	14 +
08260	<i>Orconectes (Crockerinus) sanbornii sanbornii</i>	+	84300	<i>Phaenopsectra obediens group</i>	+
08601	<i>Hydracarina</i>	26	84450	<i>Polypedilum (P.) convictum</i>	194 +
11120	<i>Baetis flavistriga</i>	41 +	84460	<i>Polypedilum (P.) fallax group</i>	42
11130	<i>Baetis intercalaris</i>	469 +	84470	<i>Polypedilum (P.) illinoense</i>	+
13400	<i>Stenacron sp</i>	121 +	84540	<i>Polypedilum (Tripodura) scalaenum group</i>	97 +
14950	<i>Leptophlebia sp or Paraleptophebia sp</i>	24	84750	<i>Stictochironomus sp</i>	+
21001	<i>Calopterygidae</i>	+	85500	<i>Paratanytarsus sp</i>	14
22001	<i>Coenagrionidae</i>	1 +	85625	<i>Rheotanytarsus exiguus group</i>	472
23600	<i>Aeshna sp</i>	+	85800	<i>Tanytarsus sp</i>	42
23909	<i>Boyeria vinosa</i>	+	85814	<i>Tanytarsus glabrescens group</i>	14
34130	<i>Acroneuria frisoni</i>	1	85840	<i>Tanytarsus guerlus group</i>	14 +
44501	<i>Corixidae</i>	+	87540	<i>Hemerodromia sp</i>	9 +
45900	<i>Notonecta sp</i>	+	93200	<i>Hydrobiidae</i>	8 +
47600	<i>Sialis sp</i>	+	93900	<i>Elimia sp</i>	+
48620	<i>Nigronia serricornis</i>	2 +	95100	<i>Physella sp</i>	+
50804	<i>Lype diversa</i>	1	96900	<i>Ferrissia sp</i>	47
52200	<i>Cheumatopsyche sp</i>	416 +	98600	<i>Sphaerium sp</i>	1 +
52430	<i>Ceratopsyche morosa group</i>	141 +			
52530	<i>Hydropsyche depravata group</i>	111 +	No. Quantitative Taxa:	43	Total Taxa: 63
59001	<i>Leptoceridae</i>	4	No. Qualitative Taxa:	42	ICI: 44
60300	<i>Dineutus sp</i>	1 +	Number of Organisms:	2887	Qual EPT: 6
60900	<i>Peltodytes sp</i>	+			
68601	<i>Ancyronyx variegata</i>	1			
68708	<i>Dubiraphia vittata group</i>	+			
68901	<i>Macronychus glabratus</i>	21 +			
69400	<i>Stenelmis sp</i>	1 +			
70600	<i>Antocha sp</i>	3			
71900	<i>Tipula sp</i>	+			
74100	<i>Simulium sp</i>	12 +			
77500	<i>Conchapelopia sp</i>	+			
77800	<i>Helopelopia sp</i>	42 +			
78401	<i>Natarsia species A (sensu Roback, 1978)</i>	+			
78450	<i>Nilotanypus fimbriatus</i>	72			
80370	<i>Corynoneura lobata</i>	53			

**Ohio EPA Monitoring and Assessment Section
Macroinvertebrate Collection**

Collection Date: 08/19/96 River Code: 19-029 River: Potter Creek

RM: 1.80

Taxa Code	Taxa	Quan/Qual	Taxa Code	Taxa	Quan/Qual
01801	<i>Turbellaria</i>	59 +			
03600	<i>Oligochaeta</i>	28	No. Quantitative Taxa:	34	Total Taxa: 40
04663	<i>Helobdella papillata</i>	1 +	No. Qualitative Taxa:	25	ICI: 34
04687	<i>Placobdella parasitica</i>	1	Number of Organisms:	3053	Qual EPT: 6
04935	<i>Erbobdella punctata punctata</i>	1			
05800	<i>Caecidotea sp</i>	7 +			
06700	<i>Crangonyx sp</i>	98 +			
08260	<i>Orconectes (Crockerinus) sanbornii sanbornii</i>	2 +			
11115	<i>Baetis tricaudatus</i>	1			
11120	<i>Baetis flavistriga</i>	102 +			
11130	<i>Baetis intercalaris</i>				
13400	<i>Stenacron sp</i>	2 +			
21200	<i>Calopteryx sp</i>	1 +			
22300	<i>Argia sp</i>	3			
23909	<i>Boyeria vinosa</i>				
47600	<i>Sialis sp</i>				
50804	<i>Lype diversa</i>	6 +			
52200	<i>Cheumatopsyche sp</i>	174 +			
52530	<i>Hydropsyche depravata group</i>	118 +			
68708	<i>Dubiraphia vittata group</i>				
69400	<i>Stenelmis sp</i>	1			
74100	<i>Simulium sp</i>	54 +			
77500	<i>Conchapelopia sp</i>	197			
77800	<i>Helopelopia sp</i>				
80370	<i>Corynoneura lobata</i>	72			
82141	<i>Thienemanniella xena</i>	423 +			
82200	<i>Tvetenia bavarica group</i>	338 +			
83840	<i>Microtendipes pedellus group</i>	113			
84315	<i>Phaenopsectra flavipes</i>	85			
84450	<i>Polypedilum (P.) convictum</i>	367			
84460	<i>Polypedilum (P.) fallax group</i>	197			
84750	<i>Stictochironomus sp</i>				
85625	<i>Rheotanytarsus exiguus group</i>	508 +			
85840	<i>Tanytarsus guerlus group</i>	28			
87540	<i>Hemerodromia sp</i>	3			
92904	<i>Viviparus georgianus</i>	2 +			
93900	<i>Elimia sp</i>	10 +			
96280	<i>Planorbella (Pierosoma) trivolvis</i>	1			
96900	<i>Ferrissia sp</i>	41 +			
98600	<i>Sphaerium sp</i>	9 +			

**Ohio EPA Monitoring and Assessment Section
Macroinvertebrate Collection**

Collection Date: 08/19/96 River Code: 19-042 River: Wahoo Ditch

RM: 0.40

Taxa Code	Taxa	Quan/Qual	Taxa Code	Taxa	Quan/Qual
03600	<i>Oligochaeta</i>	+			
04666	<i>Helobdella triserialis</i>	+			
04935	<i>Erpobdella punctata punctata</i>	+			
04964	<i>Mooreobdella microstoma</i>	+			
06700	<i>Crangonyx sp</i>	+			
08260	<i>Orconectes (Crockerinus) sanbornii sanbornii</i>	+			
22001	<i>Coenagrionidae</i>	+			
23704	<i>Anax junius</i>	+			
29000	<i>Sympetrum sp</i>	+			
45300	<i>Sigara sp</i>	+			
60830	<i>Haliphus immaculicollis</i>	+			
60910	<i>Peltodytes edentulus</i>	+			
60940	<i>Peltodytes sexmaculatus</i>	+			
66500	<i>Enochrus sp</i>	+			
67700	<i>Paracymus sp</i>	+			
67800	<i>Tropisternus sp</i>	+			
77500	<i>Conchapelopia sp</i>	+			
78650	<i>Procladius sp</i>	+			
80150	<i>Acricotopus sp</i>	+			
80510	<i>Cricotopus (Isocladius) sylvestris group</i>	+			
84470	<i>Polypedilum (P.) illinoense</i>	+			
87400	<i>Stratiomys sp</i>	+			
95100	<i>Physella sp</i>	+			
95907	<i>Gyraulus (Torquis) parvus</i>	+			
96264	<i>Planorbella (Pierosoma) pilsbryi</i>	+			
98600	<i>Sphaerium sp</i>	+			

No. Quantitative Taxa: 0 Total Taxa: 26
 No. Qualitative Taxa: 26 ICI:
 Number of Organisms: 0 Qual EPT: 0

**Ohio EPA Monitoring and Assessment Section
Macroinvertebrate Collection**

Collection Date: 08/20/96 River Code: 19-072 River: Sand Run

RM: 0.20

Taxa Code	Taxa	Quan/Qual	Taxa Code	Taxa	Quan/Qual
03600	<i>Oligochaeta</i>	+			
11120	<i>Baetis flavistriga</i>	+			
21200	<i>Calopteryx sp</i>	+			
21604	<i>Archilestes grandis</i>	+			
25210	<i>Lanthus parvulus</i>	+			
52440	<i>Ceratopsyche slossonae</i>	+			
52530	<i>Hydropsyche depravata group</i>	+			
60900	<i>Peltodytes sp</i>	+			
63900	<i>Laccophilus sp</i>	+			
68708	<i>Dubiraphia vittata group</i>	+			
71900	<i>Tipula sp</i>	+			
77500	<i>Conchapelopia sp</i>	+			
78401	<i>Natarsia species A (sensu Roback, 1978)</i>	+			
80430	<i>Cricotopus (C.) tremulus group</i>	+			
89704	<i>Limnophora aequifrons</i>	+			

No. Quantitative Taxa:	0	Total Taxa:	15
No. Qualitative Taxa:	15	ICI:	
Number of Organisms:	0	Qual EPT:	3

**Ohio EPA Monitoring and Assessment Section
Macroinvertebrate Collection**

Collection Date: 08/20/96 River Code: 19-021 River: Yellow Creek

RM: 0.10

Taxa Code	Taxa	Quan/Qual	Taxa Code	Taxa	Quan/Qual
03600	<i>Oligochaeta</i>	+	85625	<i>Rheotanytarsus exiguus group</i>	+
04901	<i>Erpobdellidae</i>	+	85840	<i>Tanytarsus guerlus group</i>	+
05800	<i>Caecidotea sp</i>	+	86100	<i>Chrysops sp</i>	+
08255	<i>Orconectes rusticus x sanbornii</i>	+	87540	<i>Hemerodromia sp</i>	+
11120	<i>Baetis flavistriga</i>	+	95100	<i>Physella sp</i>	+
11130	<i>Baetis intercalaris</i>	+	96900	<i>Ferrissia sp</i>	+
12200	<i>Isonychia sp</i>	+			
13400	<i>Stenacron sp</i>	+	No. Quantitative Taxa:	0	Total Taxa: 47
13521	<i>Stenonema femoratum</i>	+	No. Qualitative Taxa:	47	ICI:
17200	<i>Caenis sp</i>	+	Number of Organisms:	0	Qual EPT: 10
21200	<i>Calopteryx sp</i>	+			
21300	<i>Hetaerina sp</i>	+			
23905	<i>Boyeria grafiana</i>	+			
23909	<i>Boyeria vinosa</i>	+			
47600	<i>Sialis sp</i>	+			
48620	<i>Nigronia serricornis</i>	+			
52200	<i>Cheumatopsyche sp</i>	+			
52430	<i>Ceratopsyche morosa group</i>	+			
52450	<i>Ceratopsyche sparna</i>	+			
52530	<i>Hydropsyche depravata group</i>	+			
67700	<i>Paracymus sp</i>	+			
68601	<i>Ancyronyx variegata</i>	+			
68708	<i>Dubiraphia vittata group</i>	+			
68901	<i>Macronychus glabratus</i>	+			
69400	<i>Stenelmis sp</i>	+			
70600	<i>Antocha sp</i>	+			
70700	<i>Dicranota sp</i>	+			
71900	<i>Tipula sp</i>	+			
74100	<i>Simulium sp</i>	+			
77500	<i>Conchapelopia sp</i>	+			
77800	<i>Helopelopia sp</i>	+			
78655	<i>Procladius (Holotanypus) sp</i>	+			
80440	<i>Cricotopus (C.) trifascia group</i>	+			
82730	<i>Chironomus (C.) decorus group</i>	+			
82820	<i>Cryptochironomus sp</i>	+			
83040	<i>Dicrotendipes neomodestus</i>	+			
84300	<i>Phaenopsectra obediens group</i>	+			
84450	<i>Polypedilum (P.) convictum</i>	+			
84460	<i>Polypedilum (P.) fallax group</i>	+			
84540	<i>Polypedilum (Tripodura) scalaenum group</i>	+			
85230	<i>Cladotanytarsus mancus group</i>	+			

**Ohio EPA Monitoring and Assessment Section
Macroinvertebrate Collection**

Collection Date: 08/20/96 River Code: 19-020 River: Furnace Run

RM: 0.90

Taxa Code	Taxa	Quan/Qual	Taxa Code	Taxa	Quan/Qual
06700	<i>Crangonyx sp</i>	+	87400	<i>Stratiomys sp</i>	+
08260	<i>Orconectes (Crockerinus) sanbornii sanbornii</i>	+	87540	<i>Hemerodromia sp</i>	+
11010	<i>Acentrella sp</i>	+	95100	<i>Physella sp</i>	+
11120	<i>Baetis flavistriga</i>	+	No. Quantitative Taxa: 0		Total Taxa: 42
11130	<i>Baetis intercalaris</i>	+	No. Qualitative Taxa: 42		ICI:
13521	<i>Stenonema femoratum</i>	+	Number of Organisms: 0		Qual EPT: 10
21200	<i>Calopteryx sp</i>	+			
22300	<i>Argia sp</i>	+			
23909	<i>Boyeria vinosa</i>	+			
34120	<i>Acroneuria carolinensis</i>	+			
47600	<i>Sialis sp</i>	+			
52200	<i>Cheumatopsyche sp</i>	+			
52430	<i>Ceratopsyche morosa group</i>	+			
52440	<i>Ceratopsyche slossonae</i>	+			
52450	<i>Ceratopsyche sparna</i>	+			
52530	<i>Hydropsyche depravata group</i>	+			
63900	<i>Laccophilus sp</i>	+			
67700	<i>Paracymus sp</i>	+			
68130	<i>Helichus sp</i>	+			
68707	<i>Dubiraphia quadrinotata</i>	+			
68708	<i>Dubiraphia vittata group</i>	+			
69400	<i>Stenelmis sp</i>	+			
71100	<i>Hexatoma sp</i>	+			
71900	<i>Tipula sp</i>	+			
77500	<i>Conchapelopia sp</i>	+			
77800	<i>Helopelopia sp</i>	+			
78450	<i>Nilotanytus fimbriatus</i>	+			
80420	<i>Cricotopus (C.) bicinctus</i>	+			
81650	<i>Parametrioctenus sp</i>	+			
82730	<i>Chironomus (C.) decorus group</i>	+			
82820	<i>Cryptochironomus sp</i>	+			
83820	<i>Microtendipes "caelum" (sensu Simpson & Bode, 1980)</i>	+			
84300	<i>Phaenopsectra obediens group</i>	+			
84450	<i>Polypedilum (P.) convictum</i>	+			
84470	<i>Polypedilum (P.) illinoense</i>	+			
84540	<i>Polypedilum (Tripodura) scalaenum group</i>	+			
85261	<i>Cladotanytarsus vanderwulpi group Type 1</i>	+			
85625	<i>Rheotanytarsus exiguus group</i>	+			
86100	<i>Chrysops sp</i>	+			

**Ohio EPA Monitoring and Assessment Section
Macrobenthic Collection**

Collection Date: 08/28/96 River Code: 19-010 River: Brandywine Creek

RM: 7.00

Taxa Code	Taxa	Quan/Qual	Taxa Code	Taxa	Quan/Qual
00556	<i>Ephydatia fluviatilis</i>	+			
01801	<i>Turbellaria</i>	+	No. Quantitative Taxa:	0	Total Taxa: 37
04935	<i>Erpobdella punctata punctata</i>	+	No. Qualitative Taxa:	37	ICI:
04964	<i>Mooreobdella microstoma</i>	+	Number of Organisms:	0	Qual EPT: 3
05800	<i>Caecidotea sp</i>	+			
06700	<i>Crangonyx sp</i>	+			
08220	<i>Orconectes (Gremicambarus) immunis</i>	+			
21200	<i>Calopteryx sp</i>	+			
22001	<i>Coenagrionidae</i>	+			
22300	<i>Argia sp</i>	+			
23600	<i>Aeshna sp</i>	+			
23909	<i>Boyeria vinosa</i>	+			
27600	<i>Epitheca (Tetragoneuria) sp</i>	+			
47600	<i>Sialis sp</i>	+			
52200	<i>Cheumatopsyche sp</i>	+			
52530	<i>Hydropsyche depravata group</i>	+			
55300	<i>Ptilostomis sp</i>	+			
60800	<i>Haliphus sp</i>	+			
60900	<i>Peltodytes sp</i>	+			
65700	<i>Anacaena sp</i>	+			
65800	<i>Berosus sp</i>	+			
68708	<i>Dubiraphia vittata group</i>	+			
69400	<i>Stenelmis sp</i>	+			
74100	<i>Simulium sp</i>	+			
77355	<i>Clinotanypus pinguis</i>	+			
77500	<i>Conchapelopia sp</i>	+			
77800	<i>Helopelopia sp</i>	+			
80510	<i>Cricotopus (Isocladius) sylvestris group</i>	+			
82820	<i>Cryptochironomus sp</i>	+			
83300	<i>Glyptotendipes (G.) sp</i>	+			
84450	<i>Polypedilum (P.) convictum</i>	+			
84470	<i>Polypedilum (P.) illinoense</i>	+			
84750	<i>Stictochironomus sp</i>	+			
95100	<i>Physella sp</i>	+			
96120	<i>Menetus (Micromenetus) dilatatus</i>	+			
96900	<i>Ferrissia sp</i>	+			
98600	<i>Sphaerium sp</i>	+			

**Ohio EPA Monitoring and Assessment Section
Macrobenthic Collection**

Collection Date: 08/28/96 River Code: 19-010 River: Brandywine Creek

RM: 0.20

Taxa Code	Taxa	Quan/Qual	Taxa Code	Taxa	Quan/Qual
01801	<i>Turbellaria</i>	+	96900	<i>Ferrissia sp</i>	+
05800	<i>Caecidotea sp</i>	+			
08200	<i>Orconectes sp</i>	+	No. Quantitative Taxa:	0	Total Taxa: 42
08601	<i>Hydracarina</i>	+	No. Qualitative Taxa:	42	ICI:
11130	<i>Baetis intercalaris</i>	+	Number of Organisms:	0	Qual EPT: 10
13400	<i>Stenacron sp</i>	+			
13521	<i>Stenonema femoratum</i>	+			
17200	<i>Caenis sp</i>	+			
21200	<i>Calopteryx sp</i>	+			
22001	<i>Coenagrionidae</i>	+			
23600	<i>Aeshna sp</i>	+			
23909	<i>Boyeria vinosa</i>	+			
26100	<i>Cordulegaster sp</i>	+			
45400	<i>Trichocorixa sp</i>	+			
47600	<i>Sialis sp</i>	+			
48410	<i>Corydalus cornutus</i>	+			
48620	<i>Nigronia serricornis</i>	+			
52200	<i>Cheumatopsyche sp</i>	+			
52430	<i>Ceratopsyche morosa group</i>	+			
52450	<i>Ceratopsyche sparna</i>	+			
52530	<i>Hydropsyche depravata group</i>	+			
52540	<i>Hydropsyche dicantha</i>	+			
53800	<i>Hydroptila sp</i>	+			
63900	<i>Laccophilus sp</i>	+			
65800	<i>Berosus sp</i>	+			
69400	<i>Stenelmis sp</i>	+			
71100	<i>Hexatoma sp</i>	+			
71300	<i>Limonia sp</i>	+			
71900	<i>Tipula sp</i>	+			
74100	<i>Simulium sp</i>	+			
77120	<i>Ablabesmyia mallochii</i>	+			
77500	<i>Conchapelopia sp</i>	+			
80420	<i>Cricotopus (C.) bicinctus</i>	+			
82820	<i>Cryptochironomus sp</i>	+			
84300	<i>Phaenopsectra obediens group</i>	+			
84450	<i>Polypedilum (P.) convictum</i>	+			
84460	<i>Polypedilum (P.) fallax group</i>	+			
85625	<i>Rheotanytarsus exiguus group</i>	+			
87540	<i>Hemerodromia sp</i>	+			
95100	<i>Physella sp</i>	+			
96120	<i>Menetus (Micromenetus) dilatatus</i>	+			

**Ohio EPA Monitoring and Assessment Section
Macroinvertebrate Collection**

Collection Date: 08/28/96 River Code: 19-007 River: Tinkers Creek

RM: 0.10

Taxa Code	Taxa	Quan/Qual	Taxa Code	Taxa	Quan/Qual
01801	<i>Turbellaria</i>	+			
05800	<i>Caecidotea sp</i>	+			
06700	<i>Crangonyx sp</i>	+			
11120	<i>Baetis flavistriga</i>	+			
11130	<i>Baetis intercalaris</i>	+			
21200	<i>Calopteryx sp</i>	+			
22001	<i>Coenagrionidae</i>	+			
22300	<i>Argia sp</i>	+			
23909	<i>Boyeria vinosa</i>	+			
45300	<i>Sigara sp</i>	+			
45400	<i>Trichocorixa sp</i>	+			
52200	<i>Cheumatopsyche sp</i>	+			
52450	<i>Ceratopsyche sparna</i>	+			
52540	<i>Hydropsyche dicantha</i>	+			
63900	<i>Laccophilus sp</i>	+			
65800	<i>Berosus sp</i>	+			
66500	<i>Enochrus sp</i>	+			
67500	<i>Laccobius sp</i>	+			
67800	<i>Tropisternus sp</i>	+			
68601	<i>Ancyronyx variegata</i>	+			
69400	<i>Stenelmis sp</i>	+			
74100	<i>Simulium sp</i>	+			
77500	<i>Conchapelopia sp</i>	+			
77800	<i>Helopelopia sp</i>	+			
78401	<i>Natarsia species A (sensu Roback, 1978)</i>	+			
80420	<i>Cricotopus (C.) bicinctus</i>	+			
82730	<i>Chironomus (C.) decorus group</i>	+			
82820	<i>Cryptochironomus sp</i>	+			
84450	<i>Polypedilum (P.) convictum</i>	+			
84470	<i>Polypedilum (P.) illinoense</i>	+			
85615	<i>Rheotanytarsus distinctissimus group</i>	+			
95100	<i>Physella sp</i>	+			

No. Quantitative Taxa: 0 Total Taxa: 32
 No. Qualitative Taxa: 32 ICI:
 Number of Organisms: 0 Qual EPT: 5

**Ohio EPA Monitoring and Assessment Section
Macroinvertebrate Collection**

Collection Date: 08/27/96 River Code: 19-006 River: Mill Creek

RM: 3.40

Taxa Code	Taxa	Quan/Qual	Taxa Code	Taxa	Quan/Qual
04901	<i>Erpobdellidae</i>	+			
06700	<i>Crangonyx sp</i>	+			
11120	<i>Baetis flavistriga</i>	+			
21200	<i>Calopteryx sp</i>	+			
22001	<i>Coenagrionidae</i>	+			
23600	<i>Aeshna sp</i>	+			
68708	<i>Dubiraphia vittata group</i>	+			
74100	<i>Simulium sp</i>	+			
77500	<i>Conchapelopia sp</i>	+			
81231	<i>Nanocladius (N.) crassicornus or N. (N.) rectinervus</i>	+			
95100	<i>Physella sp</i>	+			
96900	<i>Ferrissia sp</i>	+			

No. Quantitative Taxa:	0	Total Taxa:	12
No. Qualitative Taxa:	12	ICI:	
Number of Organisms:	0	Qual EPT:	1

**Ohio EPA Monitoring and Assessment Section
Macroinvertebrate Collection**

Collection Date: 08/27/96 River Code: 19-006 River: Mill Creek

RM: 0.20

Taxa Code	Taxa	Quan/Qual	Taxa Code	Taxa	Quan/Qual
03600	<i>Oligochaeta</i>	+			
04664	<i>Helobdella stagnalis</i>	+			
11120	<i>Baetis flavistriga</i>	+			
11130	<i>Baetis intercalaris</i>	+			
21200	<i>Calopteryx sp</i>	+			
52200	<i>Cheumatopsyche sp</i>	+			
52540	<i>Hydropsyche dicantha</i>	+			
53800	<i>Hydroptila sp</i>	+			
60900	<i>Peltodytes sp</i>	+			
71900	<i>Tipula sp</i>	+			
74100	<i>Simulium sp</i>	+			
77120	<i>Ablabesmyia mallochi</i>	+			
77500	<i>Conchapelopia sp</i>	+			
82820	<i>Cryptochironomus sp</i>	+			
84470	<i>Polypedilum (P.) illinoense</i>	+			
84540	<i>Polypedilum (Tripodura) scalaenum group</i>	+			
87540	<i>Hemerodromia sp</i>	+			
95100	<i>Physella sp</i>	+			

No. Quantitative Taxa:	0	Total Taxa:	18
No. Qualitative Taxa:	18	ICI:	
Number of Organisms:	0	Qual EPT:	5

**Ohio EPA Monitoring and Assessment Section
Macroinvertebrate Collection**

Collection Date: 08/28/96 River Code: 19-005 River: Big Creek

RM: 7.80

Taxa Code	Taxa	Quan/Qual	Taxa Code	Taxa	Quan/Qual
01801	<i>Turbellaria</i>	+	78655	<i>Procladius (Holotanypus) sp</i>	+
01801	<i>Turbellaria</i>	+	80510	<i>Cricotopus (Isocladius) sylvestris group</i>	+
04901	<i>Erpobdellidae</i>	+	80510	<i>Cricotopus (Isocladius) sylvestris group</i>	+
04901	<i>Erpobdellidae</i>	+	83040	<i>Dicrotendipes neomodestus</i>	+
05800	<i>Caecidotea sp</i>	+	83040	<i>Dicrotendipes neomodestus</i>	+
05800	<i>Caecidotea sp</i>	+	84470	<i>Polypedilum (P.) illinoense</i>	+
06700	<i>Crangonyx sp</i>	+	84470	<i>Polypedilum (P.) illinoense</i>	+
06700	<i>Crangonyx sp</i>	+	95100	<i>Physella sp</i>	+
08250	<i>Orconectes (Procericambarus) rusticus</i>	+	95100	<i>Physella sp</i>	+
08250	<i>Orconectes (Procericambarus) rusticus</i>	+	96900	<i>Ferrissia sp</i>	+
11120	<i>Baetis flavistriga</i>	+	96900	<i>Ferrissia sp</i>	+
11120	<i>Baetis flavistriga</i>	+			
13521	<i>Stenonema femoratum</i>	+	No. Quantitative Taxa: 0		Total Taxa: 52
13521	<i>Stenonema femoratum</i>	+	No. Qualitative Taxa: 52		ICI:
21200	<i>Calopteryx sp</i>	+	Number of Organisms: 0		Qual EPT: 4
21200	<i>Calopteryx sp</i>	+			
22001	<i>Coenagrionidae</i>	+			
22001	<i>Coenagrionidae</i>	+			
45300	<i>Sigara sp</i>	+			
45300	<i>Sigara sp</i>	+			
52200	<i>Cheumatopsyche sp</i>	+			
52200	<i>Cheumatopsyche sp</i>	+			
52530	<i>Hydropsyche depravata group</i>	+			
52530	<i>Hydropsyche depravata group</i>	+			
67700	<i>Paracymus sp</i>	+			
67700	<i>Paracymus sp</i>	+			
68025	<i>Ectopria sp</i>	+			
68025	<i>Ectopria sp</i>	+			
69400	<i>Stenelmis sp</i>	+			
69400	<i>Stenelmis sp</i>	+			
71900	<i>Tipula sp</i>	+			
71900	<i>Tipula sp</i>	+			
74100	<i>Simulium sp</i>	+			
74100	<i>Simulium sp</i>	+			
77120	<i>Ablabesmyia mallochi</i>	+			
77120	<i>Ablabesmyia mallochi</i>	+			
77500	<i>Conchapelopia sp</i>	+			
77500	<i>Conchapelopia sp</i>	+			
77800	<i>Helopelopia sp</i>	+			
77800	<i>Helopelopia sp</i>	+			
78655	<i>Procladius (Holotanypus) sp</i>	+			

**Ohio EPA Monitoring and Assessment Section
Macroinvertebrate Collection**

Collection Date: 08/28/96 River Code: 19-005 River: Big Creek

RM: 2.50

Taxa Code	Taxa	Quan/Qual	Taxa Code	Taxa	Quan/Qual
01801	<i>Turbellaria</i>	+	80420	<i>Cricotopus (C.) bicinctus</i>	+
01801	<i>Turbellaria</i>	+	80430	<i>Cricotopus (C.) tremulus group</i>	+
03600	<i>Oligochaeta</i>	+	80430	<i>Cricotopus (C.) tremulus group</i>	+
03600	<i>Oligochaeta</i>	+	95100	<i>Physella sp</i>	+
04666	<i>Helobdella triserialis</i>	+	95100	<i>Physella sp</i>	+
04666	<i>Helobdella triserialis</i>	+	96120	<i>Menetus (Micromenetus) dilatatus</i>	+
04935	<i>Erpobdella punctata punctata</i>	+	96120	<i>Menetus (Micromenetus) dilatatus</i>	+
04935	<i>Erpobdella punctata punctata</i>	+	98600	<i>Sphaerium sp</i>	+
04964	<i>Mooreobdella microstoma</i>	+	98600	<i>Sphaerium sp</i>	+
04964	<i>Mooreobdella microstoma</i>	+			
05800	<i>Caecidotea sp</i>	+	No. Quantitative Taxa: 0		Total Taxa: 50
05800	<i>Caecidotea sp</i>	+	No. Qualitative Taxa: 50		ICI:
06700	<i>Crangonyx sp</i>	+	Number of Organisms: 0		Qual EPT: 5
06700	<i>Crangonyx sp</i>	+			
08250	<i>Orconectes (Procericambarus) rusticus</i>	+			
08250	<i>Orconectes (Procericambarus) rusticus</i>	+			
11120	<i>Baetis flavistriga</i>	+			
11120	<i>Baetis flavistriga</i>	+			
11130	<i>Baetis intercalaris</i>	+			
11130	<i>Baetis intercalaris</i>	+			
21200	<i>Calopteryx sp</i>	+			
21200	<i>Calopteryx sp</i>	+			
22001	<i>Coenagrionidae</i>	+			
22001	<i>Coenagrionidae</i>	+			
22300	<i>Argia sp</i>	+			
22300	<i>Argia sp</i>	+			
23704	<i>Anax junius</i>	+			
23704	<i>Anax junius</i>	+			
52200	<i>Cheumatopsyche sp</i>	+			
52200	<i>Cheumatopsyche sp</i>	+			
52430	<i>Ceratopsyche morosa group</i>	+			
52430	<i>Ceratopsyche morosa group</i>	+			
52530	<i>Hydropsyche depravata group</i>	+			
52530	<i>Hydropsyche depravata group</i>	+			
60900	<i>Peltodytes sp</i>	+			
60900	<i>Peltodytes sp</i>	+			
77500	<i>Conchapelopia sp</i>	+			
77500	<i>Conchapelopia sp</i>	+			
78655	<i>Procladius (Holotanypus) sp</i>	+			
78655	<i>Procladius (Holotanypus) sp</i>	+			
80420	<i>Cricotopus (C.) bicinctus</i>	+			

**Ohio EPA Monitoring and Assessment Section
Macroinvertebrate Collection**

Collection Date: 08/28/96 River Code: 19-005 River: Big Creek

RM: 0.20

Taxa Code	Taxa	Quan/Qual	Taxa Code	Taxa	Quan/Qual
00556	<i>Ephydatia fluviatilis</i>	+			
00556	<i>Ephydatia fluviatilis</i>	+			
03360	<i>Plumatella sp</i>	+			
03360	<i>Plumatella sp</i>	+			
04935	<i>Erpobdella punctata punctata</i>	+			
04935	<i>Erpobdella punctata punctata</i>	+			
04964	<i>Mooreobdella microstoma</i>	+			
04964	<i>Mooreobdella microstoma</i>	+			
05800	<i>Caecidotea sp</i>	+			
05800	<i>Caecidotea sp</i>	+			
06700	<i>Crangonyx sp</i>	+			
06700	<i>Crangonyx sp</i>	+			
11120	<i>Baetis flavistriga</i>	+			
11120	<i>Baetis flavistriga</i>	+			
11130	<i>Baetis intercalaris</i>	+			
11130	<i>Baetis intercalaris</i>	+			
77120	<i>Ablabesmyia mallochi</i>	+			
77120	<i>Ablabesmyia mallochi</i>	+			
77500	<i>Conchapelopia sp</i>	+			
77500	<i>Conchapelopia sp</i>	+			
80420	<i>Cricotopus (C.) bicinctus</i>	+			
80420	<i>Cricotopus (C.) bicinctus</i>	+			
84470	<i>Polypedilum (P.) illinoense</i>	+			
84470	<i>Polypedilum (P.) illinoense</i>	+			
95100	<i>Physella sp</i>	+			
95100	<i>Physella sp</i>	+			

No. Quantitative Taxa: 0 Total Taxa: 26
 No. Qualitative Taxa: 26 ICI:
 Number of Organisms: 0 Qual EPT: 2