Appendix I: Water Quality Sampling Data

Water chemistry measurements in the Region of the Great Bend of the Wabash River watershed

	Elliot Ditch						
Date and Time (EST)	**Total Coliforms (cfu/100mL)**	**E. coli (cfu/100mL)**	**TSS (mg/L)**	**DOC (mg/L)**	**TP (mg/L)**	**NH3 (mg/L)**	**NO3 (mg/L)**
5/1/09 8:54	209,820	15,531	31.00	6.17	0.12	0.15	1.80
5/9/09 8:27	7,701	387	9.86	3.64	0.14	0.01	2.09
5/14/09 9:25	461,110	19,863	83.00	9.41	0.23	0.76	1.79
5/19/09 9:00	41,058	479	25.75	4.00	0.17	bdl	2.13
5/29/09 9:43	10,462	138	4.74	3.02	0.05	bdl	1.42
6/4/09 8:55	137,610	1,733	21.17	5.21	0.18	0.12	2.87
6/12/09 8:04	241,957	2,603	12.30	9.28	0.10	0.52	1.64
6/17/09 8:46	57,943	1,553	8.71	3.05	0.04	bdl	1.62
6/22/09 9:55	120,330	29,093	154.00	4.24	0.10	0.07	1.13
7/1/09 8:54	17,890	313	4.53	4.04	0.04	bdl	1.11
7/9/09 8:47	29,093	326	7.00	2.73	0.06	bdl	1.10
7/16/09 8:52	15,001	649	4.58	3.17	0.06	bdl	0.72
7/21/09 8:54	--	816	3.54	1.99	0.04	bdl	0.75
7/29/09 9:16	173,289	2,909	13.75	4.66	0.07	bdl	0.49
8/4/09 8:50	9,804	365	4.83	2.63	0.03	bdl	0.27
8/13/09 8:44	1,199	579	4.00	4.19	0.04	bdl	0.16
8/20/09 8:54	613,140	17,329	172.00	4.58	0.03	0.01	0.37
8/23/09 8:29	11,776	201	2.20	2.92	0.09	0.01	0.45
9/3/09 9:35	7,701	270	0.40	2.37	0.01	bdl	0.39
9/11/09 9:09	7,701	461	0.60	2.13	0.01	bdl	0.31
9/17/09 8:23	8,164	214	0.70	2.27	0.02	bdl	0.37
9/24/09 8:42	15,531	687	bdl	1.83	0.15	bdl	0.43
10/1/09 8:49	12,997	105	bdl	2.42	0.03	2.72	0.52
10/8/09 8:57	11,199	125	0.50	3.88	0.12	bdl	bdl
10/15/09 8:32	14,012	548	12.00	3.08	0.13	0.07	0.33
10/22/09 8:11	2,812	93	2.30	2.27	0.03	0.03	0.89
10/29/09 9:02	9,804	78	bdl	2.55	0.07	bdl	0.07
11/5/09 8:56	8,164	111	2.70	2.97	0.09	bdl	0.18
11/12/09 9:00	17,329	28	2.90	1.52	0.17	bdl	0.30
11/19/09 9:13	6,756	1,553	5.30	5.97	0.04	0.01	0.59
11/24/09 9:05	4,884	60	1.10	5.08	0.05	bdl	0.79
12/3/09 9:16	93,310	4,611	33.70	5.45	0.08	bdl	0.86
12/11/09 9:18	34,480	291	5.40	3.06	0.05	0.27	1.36
12/17/09 9:09	11,199	192	3.30	2.10	0.02	0.02	1.73
12/23/09 9:29	3,873	178	3.10	3.00	0.01	0.06	1.48
12/29/09 9:52	1,674	108	1.70	1.95	0.02	bdl	1.35
1/6/10 9:25	1,300	22	1.80	1.67	0.02	bdl	1.13
1/12/10 9:15	1,300	37	19.30	1.21	0.02	bdl	1.09
1/22/10 9:22	72,699	2,420	28.50	4.75	0.07	bdl	1.80
1/27/10 9:16	3,968	161	4.10	3.80	0.01	0.03	1.75
2/2/10 9:12	1,046	102	1.30	3.14	0.03	bdl	1.78
2/12/10 9:20	649	61	1.30	2.17	0.01	bdl	1.80
2/18/10 9:21	1,046	161	2.30	2.22	0.07	bdl	0.86
2/25/10 9:05	2,420	192	7.00	2.78	0.03	bdl	1.66
3/2/10 9:20	2,420	517	4.20	2.46	0.04	bdl	1.39
3/9/10 8:58	579	70	3.70	2.74	0.02	bdl	1.54
3/16/10 8:11	2,400	308	4.50	2.74	0.01	bdl	1.86
3/24/10 8:11	1,300	88	1.70	2.19	bdl	bdl	1.02
3/31/10 8:13	24,196	649	7.50	2.84	0.32	bdl	1.73
4/6/10 7:45	703	102	2.90	2.42	bdl	bdl	1.08
4/14/10 8:05	763	101	2.50	2.17	0.00	0.04	1.11
4/20/10 8:06	2,046	82	1.50	2.71	0.04	bdl	0.89
4/27/10 7:48	46,111	980	6.90	4.35	0.08	bdl	3.16
5/4/10 8:16	57,943	1,986	11.80	4.52	0.12	bdl	1.63
5/12/10 8:10	36,087	1,733	10.60	3.85	0.07	bdl	2.69
5/18/10 8:18	54,750	2,420	11.90	4.41	0.02	bdl	1.37

Date and Time (EST)	Total Coliforms (cfu/100mL)	E. coli (cfu/100mL)	TSS (mg/L)	DOC (mg/L)	TP (mg/L)	NH3 (mg/L)	NO3 (mg/L)
5/25/10 8:28	15,406	517	7.70	2.99	0.06	bdl	1.97
6/1/10 7:47	>241960	9,804	12.40	6.03	0.08	bdl	1.49
6/8/10 8:16	24,196	308	5.10	2.29	0.04	bdl	1.00
6/15/10 8:16	>2419600	92,084	34.00	6.61	0.34	0.06	1.66
6/24/10 8:15	141,361	8,164	27.00	7.49	0.05	0.07	1.15
6/30/10 7:51	38,732	921	9.50	3.44	0.05	bdl	1.95
7/7/10 7:53	9,881	411	4.30	1.96	0.04	bdl	2.16
7/13/10 8:16	15,531	411	6.30	2.04	0.04	0.40	2.05
7/21/10 8:23	24,196	488	8.20	2.07	0.02	bdl	1.64
7/27/10 8:21	24,196	2,755	8.00	1.90	0.05	2.77	1.06
8/3/10 9:42	1,986,290	43,517	103.00	1.75	0.06	bdl	0.82
8/9/10 8:22	17,329	921	6.90	1.52	0.12	bdl	0.83
8/20/10 0:00	14,136	517	6.30	2.12	0.06	0.22	0.97
8/25/10 8:25	19,863	345	3.80	2.53	0.03	0.15	0.47
8/31/10 7:31	15,531	261	2.40	1.97	0.03	bdl	0.86
9/8/10 8:18	11,199	387	1.60	2.26	0.02	bdl	0.72
9/14/10 7:20	12,033	179	1.70	1.62	0.05	bdl	0.93
9/23/10 8:37	72,699	1,986	2.50	3.75	0.05	bdl	0.47
9/29/10 8:31	7,701	260	0.90	1.87	0.03	bdl	0.47
10/6/10 8:26	3,282	120	4.20	1.21	0.02	bdl	0.58
10/13/10 8:27	1,120	152	1.30	1.89	0.04	bdl	0.40
10/21/10 8:27	1,733	145	1.00	1.72	0.02	bdl	0.18
10/27/10 8:29	155,312	1,414	3.10	3.39	0.08	bdl	0.11
11/3/10 8:48	2,481	147	0.80	1.23	0.03	bdl	0.26
11/11/10 9:23	2,420	54	0.80	1.48	0.06	bdl	0.17
11/17/10 9:17	1,414	69	0.40	1.29	0.02	0.35	0.30
11/23/10 9:28	120,333	2,420	12.80	2.79	0.17	0.08	0.54
12/2/10 9:37	9,208	326	1.50	2.43	0.05	bdl	0.44
12/8/10 9:31	3,448	131	0.90	1.37	0.07	bdl	0.61
12/15/10 9:22	1,414	65	1.50	1.45	0.07	0.01	0.62
12/20/10 9:44	1,986	29	1.00	3.83	0.02	bdl	0.38
1/5/11 9:30	2,359	151	2.80	2.66	0.04	0.11	0.95
1/13/11 9:25	--	--	0.80	1.84	0.02	0.64	0.51
1/19/11 9:24	8,164	285	16.70	2.58	0.02	0.05	0.84
1/28/11 9:39	5,172	387	2.00	1.23	0.01	0.03	0.48
1/31/11 8:51	1,553	17	53.30	1.40	0.01	bdl	0.59
2/9/11 9:14	461	42	10.80	1.65	0.02	bdl	0.67
2/15/11 9:26	19,863	687	11.00	3.95	0.25	0.42	1.01
2/23/11 9:16	4,106	285	8.00	4.59	0.06	0.11	2.25
3/3/11 9:18	1,986	210	4.30	3.86	0.04	bdl	1.94
3/8/11 9:18	2,420	411	3.80	3.04	0.03	bdl	1.71
3/18/11 7:22	1,733	89	5.40	2.76	0.02	0.00	1.44
3/24/11 8:27	1,414	111	3.90	4.14	0.02	bdl	1.17
3/30/11 8:22	378	23	6.90	3.80	0.01	bdl	0.81
4/5/11 8:13	3,654	240	8.20	5.01	0.01	0.09	0.48
4/12/11 8:19	2,014	154	33.50	3.40	0.03	bdl	0.52
4/21/11 8:07	24,196	649	10.90	12.55	0.07	0.37	2.29
4/28/11 8:21	77,010	1,733	102.50	3.98	0.13	bdl	1.29

Water chemistry measurements in the Region of the Great Bend of the Wabash River watershed.

	Little Wea Creek						
Date and Time (EST)	**Total Coliforms (cfu/100mL)**	**E. coli (cfu/100mL)**	**TSS (mg/L)**	**DOC (mg/L)**	**TP (mg/L)**	**NH3 (mg/L)**	**NO3 (mg/L)**
5/1/09 8:26	488,440	1,414	352.00	10.97	0.46	0.49	4.19
5/9/09 8:02	5,980	240	22.04	3.26	0.02	0.02	8.72
5/14/09 9:00	461,110	1,986	248.00	21.13	0.59	1.15	6.22
5/19/09 8:30	34,411	216	78.00	3.06	0.67	0.07	7.09
5/29/09 9:05	8,164	137	9.83	2.73	0.02	bdl	5.28
6/4/09 8:25	46,111	649	30.22	3.13	0.02	0.00	10.17
6/12/09 7:44	290,930	9,804		1.96	0.02	bdl	6.86
6/17/09 8:24	41,058	866	30.33	2.02	0.01	bdl	7.66
6/22/09 9:32	111,987	1,789	57.67	3.62	0.09	0.04	7.37
7/1/09 8:33	43,517	548	7.72	5.81	0.01	bdl	5.48
7/9/09 8:27	32,554	770	5.50	1.60	0.01	bdl	4.53
7/16/09 8:35	34,480	613	5.92	3.35	0.01	bdl	3.88
7/21/09 8:36	15,531	435	3.84	5.13	0.01	bdl	3.56
7/29/09 8:52	1,785	517	4.65	2.75	0.01	bdl	2.53
8/4/09 8:31	8,664	248	13.90	2.36	0.01	bdl	2.36
8/13/09 8:22	19,129	162	4.00	2.48	0.01	bdl	2.12
8/20/09 8:36	98,039	1,986	10.90	2.38	0.03	0.02	1.81
8/23/09 8:09	12,223	291	5.00	1.65	0.04	0.00	2.05
9/3/09 8:50	9,208	179	2.70	7.46	0.01	bdl	2.15
9/11/09 8:33	15,531	201	3.70	3.36	0.03	0.55	0.02
9/17/09 8:05	15,531	214	2.90	2.32	0.04	bdl	1.81
9/24/09 8:07	15,531	285	0.60	1.74	0.01	bdl	1.91
10/1/09 0:00	9,804	238	1.90	1.97	0.01	0.60	0.06
10/8/09 8:15	5,794	64	2.30	5.12	0.01	bdl	1.87
10/15/09 8:09	4,611	96	19.70	2.66	0.02	0.06	2.01
10/22/09 7:53	4,884	70	2.40	2.92	0.02	bdl	0.30
10/29/09 8:40	9,804	276	0.40	3.45	0.03	bdl	2.66
11/5/09 8:29	3,654	81	2.00	3.20	0.02	bdl	2.78
11/12/09 8:41	2,987	35	1.40	1.64	0.07	bdl	2.21
11/19/09 8:54	156,480	2,755	18.50	5.03	0.06	bdl	6.59
11/24/09 8:46	9,208	105	4.50	5.14	0.01	bdl	4.33
12/3/09 8:59	770,100	727	96.40	8.46	0.15	bdl	6.63
12/11/09 9:00	36,540	308	6.10	2.79	0.03	bdl	5.99
12/17/09 8:51	17,329	99	6.00	2.14	0.06	bdl	5.69
12/23/09 9:11	7,701	326	0.80	1.77	0.06	bdl	4.29
12/29/09 9:34	11,199	93	6.00	4.72	0.01	bdl	4.89
1/6/10 9:05	1,789	102	4.60	1.67	0.01	bdl	4.18
1/12/10 8:56	4,907	111	2.10	1.00	0.00	bdl	4.02
1/22/10 9:00	198,629	1,414	36.00	5.55	0.11	bdl	6.57
1/27/10 8:59	8,164	104	6.70	2.83	0.01	bdl	7.04
2/2/10 8:54	27,551	82	--	2.34	0.00	bdl	5.24
2/12/10 9:01	1,300	38	4.40	1.89	0.00	bdl	4.36
2/18/10 9:04	1,414	47	2.60	2.50	0.02	bdl	3.23
2/25/10 8:46	3,654	96	3.90	2.29	0.05	bdl	5.38
3/2/10 9:00	30,759	210	8.50	2.34	0.05	bdl	6.49
3/9/10 8:42	4,352	36	6.10	1.93	0.06	bdl	6.97
3/16/10 7:54	17,329	248	6.30	2.77	bdl	bdl	4.71
3/24/10 7:51	2,143	113	5.70	1.93	bdl	bdl	4.67
3/31/10 7:55	17,329	64	62.00	--	--	--	--
4/6/10 7:29	2,909	153	22.40	1.85	bdl	bdl	5.52
4/14/10 7:47	4,105	816	7.00	2.24	bdl	0.06	5.05
4/20/10 7:50	4,884	102	8.70	2.30	bdl	bdl	4.36
4/27/10 7:31	19,863	161	10.20	--	--	--	--
5/4/10 7:54	120,333	345	28.00	2.27	0.73	bdl	5.54
5/12/10 7:47	61,314	649	17.00	4.28	0.03	0.03	7.30
5/18/10 8:00	19,863	435	10.30	2.05	0.06	bdl	8.01
5/25/10 8:09	12,997	548	10.10	3.05	0.01	bdl	7.38
6/1/10 7:29	43,517	1,733	15.50	2.71	0.02	bdl	9.28

Date and Time (EST)	Total Coliforms (cfu/100mL)	E. coli (cfu/100mL)	TSS (mg/L)	DOC (mg/L)	TP (mg/L)	NH3 (mg/L)	NO3 (mg/L)
6/8/10 7:59	15,531	1,414	7.40	1.61	0.01	0.04	4.63
6/15/10 8:06	241,957	3,255	45.00	6.96	0.14	0.00	9.80
6/24/10 7:57	77,010	687	30.00	4.82	0.10	bdl	6.15
6/30/10 7:33	12,997	387	7.80	2.89	0.03	bdl	4.57
7/7/10 7:35	15,531	579	5.30	1.78	bdl	bdl	4.01
7/13/10 8:00	8,664	488	5.70	1.64	bdl	bdl	3.64
7/21/10 8:06	17,329	238	5.20	1.08	0.01	bdl	2.51
7/27/10 8:04	24,196	1,300	8.70	4.30	0.15	7.36	3.13
8/3/10 9:25	173,289	8,164	18.40	1.97	0.05	0.02	2.39
8/9/10 8:01	12,997	166	5.00	1.85	0.05	0.02	2.75
8/20/10 8:07	12,033	206	6.40	2.17	0.02	bdl	2.13
8/25/10 8:07	10,462	192	4.10	2.18	0.01	bdl	2.08
8/31/10 7:12	17,329	411	5.10	bdl	0.02	bdl	2.15
9/8/10 8:01	8,664	290	2.60	1.54	0.04	bdl	2.14
9/14/10 7:01	10,462	260	3.40	1.26	0.02	0.01	1.83
9/23/10 8:19	6,131	272	2.20	1.87	0.01	bdl	1.66
9/29/10 8:13	6,131	101	1.70	2.45	bdl	bdl	1.74
10/6/10 8:09	3,441	87	2.00	1.22	bdl	bdl	1.90
10/13/10 8:08	6,867	249	2.00	1.56	0.01	0.03	1.49
10/21/10 8:08	5,172	248	2.90	1.68	bdl	0.00	1.70
10/27/10 8:07	3,255	72	1.70	2.22	0.02	0.07	1.61
11/3/10 8:20	1,968	55	1.30	1.53	0.01	0.01	1.76
11/11/10 9:06	1,553	22	1.50	1.11	bdl	0.06	1.59
11/17/10 9:01	1,120	17	1.40	--	0.01	0.28	1.72
11/23/10 9:10	141,361	5,794	4.50	4.16	0.07	bdl	2.20
12/2/10 9:15	2,420	435	1.20	--	0.01	bdl	3.77
12/8/10 9:13	1,986	115	1.40	1.21	0.01	0.04	3.09
12/15/10 9:04	1,733	291	1.70	1.27	0.03	bdl	3.82
12/20/10 9:27	5,172	150	1.70	3.41	--	0.04	2.87
1/5/11 9:13	3,654	142	8.40	2.39	0.01	0.03	5.61
1/13/11 9:07	--	--	2.70	2.20	0.02	bdl	3.52
1/19/11 9:07	2,909	66	2.00	1.86	0.00	bdl	3.17
1/28/11 9:22	1,733	93	2.10	1.41	0.00	bdl	2.91
1/31/11 8:32	1,553	129	2.00	1.37	0.00	0.03	2.46
2/15/11 9:09	>24196	313	14.90	5.59	0.51	0.27	5.05
2/23/11 9:00	6,131	139	6.80	3.86	0.05	bdl	7.69
3/3/11 9:01	3,654	613	5.70	2.49	0.02	bdl	7.25
3/8/11 9:02	1,374	84	6.90	2.90	0.05	bdl	7.80
3/18/11 7:06	1,986	24	4.20	1.90	0.06	bdl	7.23
3/24/11 8:10	1,785	435	2.80	2.87	0.03	bdl	4.84
3/30/11 8:06	1,553	39	2.10	2.65	0.01	bdl	4.99
4/5/11 7:56	1,300	60	1.70	2.31	0.00	bdl	4.50
4/12/11 8:00	2,755	57	2.30	1.70	0.00	0.04	5.14
4/21/11 7:51	28,092	192	20.80	4.60	0.11	0.23	13.39
4/28/11 8:05	111,987	727	133.00	6.08	0.27	bdl	5.86

Water chemistry measurements in the Region of the Great Bend of the Wabash River watershed.

Little Pine Creek

Date and Time (EST)	Total Coliforms (cfu/100mL)	E. coli (cfu/100mL)	TSS (mg/L)	DOC (mg/L)	TP (mg/L)	NH3 (mg/L)	NO3 (mg/L)
5/1/09 7:42	24,809	770	21.33	5.00	0.31	0.03	10.33
5/9/09 7:25	6,131	261	8.02	3.10	0.04	bdl	11.05
5/14/09 8:15	292,400	6,867	261.00	11.45	0.48	0.18	10.43
5/19/09 8:05	37,844	613	33.00	7.11	0.26	bdl	9.03
5/29/09 8:17	24,196	548	12.50	4.06	0.02	bdl	10.12
6/4/09 7:41	248,090	3,441	31.71	5.70	0.17	0.13	12.87
6/12/09 7:10	648,820	11,199	24.18	5.43	0.02	bdl	11.98
6/17/09 7:47	54,750	548	20.18	2.87	0.04	0.00	11.47
6/22/09 8:56	198,629	10,462	86.50	3.29	0.05	0.04	9.03
7/1/09 7:39	77,010	1,203	20.30	4.56	0.06	bdl	9.52
7/9/09 7:38	81,641	1,203	26.33	2.71	0.13	bdl	7.71
7/16/09 7:45	43,517	1,733	27.50	3.60	0.11	bdl	3.96
7/21/09 7:41	16,071	1,300	16.80	1.96	0.15	0.16	4.10
7/29/09 7:52	113,700	5,172	57.50	4.60	0.18	0.06	3.51
8/4/09 7:35	980	260	74.25	7.13	0.12	0.01	2.06
8/13/09 7:34	24,196	488	14.00	4.15	0.09	bdl	1.20
8/20/09 7:51	2,419,570	5,794	41.60	8.92	0.32	0.15	2.18
8/23/09 7:16	155,312	770	19.70	7.03	0.20	0.13	1.82
9/3/09 7:41	14,497	454	6.20	5.32	0.13	0.02	1.63
9/11/09 7:20	54,750	6,488	45.50	4.37	0.15	bdl	1.95
9/17/09 7:16	19,863	770	7.80	3.68	0.12	bdl	2.49
9/24/09 6:53	17,329	687	1.20	3.84	0.16	bdl	2.65
10/1/09 7:45	15,531	365	6.30	3.89	0.15	0.41	3.06
10/8/09 7:15	12,033	2,420	4.00	4.26	0.34	0.00	0.08
10/15/09 7:27	12,540	649	16.20	5.97	0.24	bdl	2.25
10/22/09 6:56	10,462	236	6.50	4.10	0.26	bdl	0.75
10/29/09 7:52	24,196	488	4.30	4.50	0.22	bdl	4.14
11/5/09 7:41	15,531	649	9.70	3.16	0.10	bdl	6.11
11/12/09 7:58	19,863	162	36.00	6.88	0.10	0.07	0.92
11/19/09 8:12	10,426	2,420	16.20	5.20	0.07	bdl	6.64
11/24/09 8:12	9,208	326	25.00	5.96	0.03	bdl	5.00
12/3/09 8:20	613,140	3,448	102.00	7.48	0.14	bdl	7.32
12/11/09 8:22	20,459	488	14.20	2.61	0.10	bdl	7.40
12/17/09 8:12	11,199	435	12.70	4.49	0.03	bdl	5.58
12/23/09 8:17	7,270	517	5.50	3.56	0.02	0.74	6.54
12/29/09 8:32	14,830	1,733	11.00	2.50	0.05	bdl	7.57
1/6/10 8:27	4,352	579	2.70	1.86	0.04	bdl	6.85
1/12/10 8:17	1,462	1,986	5.90	1.89	0.03	0.02	6.09
1/22/10 8:14	98,939	984	32.00	--	--	--	--
1/27/10 8:18	19,863	1,986	15.50	4.43	0.04	0.11	8.97
2/2/10 8:17	5,172	1,204	10.50	3.18	0.03	bdl	8.54
2/12/10 8:21	2,755	345	4.80	2.43	0.04	0.01	5.34
2/18/10 8:23	11,199	1,191	4.70	3.22	0.04	bdl	7.24
2/25/10 7:49	7,701	980	8.80	2.70	0.10	bdl	6.32
3/2/10 8:14	15,531	387	11.20	2.71	0.07	bdl	6.25
3/9/10 8:00	4,044	517	12.30	2.07	0.04	bdl	7.88
3/16/10 7:13	36,540	1,986	36.00	3.95	0.13	bdl	7.55
3/24/10 7:09	3,255	214	15.30	2.86	0.04	bdl	6.98
3/31/10 7:15	5,172	178	19.30	2.82	0.03	bdl	7.61
4/6/10 6:49	8,164	1,300	18.80	3.88	0.01	0.35	7.40
4/14/10 7:02	2,012	727	14.50	3.08	0.12	0.89	7.09
4/20/10 7:10	5,794	488	11.00	5.25	0.03	bdl	7.25
4/27/10 6:50	43,517	1,203	26.00	4.77	0.06	bdl	12.60
5/4/10 7:11	19,863	1,120	15.30	6.51	0.06	0.03	8.04
5/12/10 7:06	41,058	1,986	42.00	4.32	0.09	bdl	14.19
5/18/10 7:18	24,196	1,728	46.00	4.20	0.06	bdl	12.21
5/25/10 7:25	17,247	770	22.80	3.08	0.06	bdl	13.10
6/1/10 6:50	86,644	4,352	26.50	4.80	0.07	bdl	10.19

Date and Time (EST)	Total Coliforms (cfu/100mL)	E. coli (cfu/100mL)	TSS (mg/L)	DOC (mg/L)	TP (mg/L)	NH3 (mg/L)	NO3 (mg/L)
6/8/10 7:17	15,406	980	35.30	3.34	0.06	0.02	9.27
6/15/10 7:15	198,629	24,196	50.00	8.38	0.23	bdl	8.33
6/24/10 7:12	54,750	1,300	25.00	6.51	0.20	bdl	3.66
6/30/10 6:55	24,196	365	11.50	6.04	0.23	bdl	6.49
7/7/10 6:56	46,111	980	14.30	5.24	0.11	0.02	6.58
7/13/10 7:19	32,554	2,420	14.00	4.08	0.11	bdl	5.52
7/21/10 7:23	29,093	613	26.30	3.40	0.13	0.05	4.60
7/27/10 7:21	12,033	435	9.70	3.89	0.13	0.16	3.07
8/3/10 8:38	2,419,570	14,137	58.00	3.24	0.16	bdl	3.57
8/9/10 7:19	72,699	1,553	33.30	2.75	0.11	0.23	4.52
8/20/10 7:25	19,863	727	21.50	5.35	0.13	bdl	2.01
8/25/10 7:24	19,863	816	7.50	4.91	0.13	bdl	1.82
8/31/10 6:28	32,554	12,457	21.30	4.77	0.17	bdl	1.64
9/8/10 7:16	15,531	613	6.00	3.54	0.17	bdl	1.87
9/14/10 6:17	17,329	435	13.40	4.51	0.33	0.08	4.76
9/23/10 7:35	7,701	687	7.50	4.93	0.19	bdl	1.50
9/29/10 7:31	14,136	488	12.80	5.10	0.23	bdl	2.04
10/6/10 7:26	5,172	238	7.60	4.15	0.25	bdl	3.25
10/13/10 7:25	72,670	770	6.50	5.02	0.28	bdl	2.75
10/21/10 7:25	15,531	727	3.80	4.40	0.22	bdl	1.05
10/27/10 7:12	4,884		4.90	6.43	0.41	bdl	1.13
11/3/10 7:28	6,867	166	3.40	5.80	0.34	bdl	1.37
11/11/10 8:24	1,553	66	1.70	5.79	0.47	bdl	3.98
11/17/10 8:21	1,046	249	2.00	5.10	0.46	bdl	3.70
11/23/10 8:30	12,033	727	13.00	9.35	0.89	bdl	5.17
12/2/10 8:30	9,208	411	3.90	3.12	0.07	bdl	7.61
12/15/10 8:23	11,199	770	3.60	2.30	0.07	bdl	9.12
12/20/10 8:49	6,131	345	2.30	8.17	--	bdl	7.41
1/5/11 8:33	14,136	1,300	8.10	2.58	0.04	0.01	8.84
1/13/11 8:22	--	--	4.00	1.93	0.15	0.22	8.50
1/19/11 8:25	77,010	10,462	5.60	2.82	0.06	0.03	6.96
1/28/11 8:34	2,382	172	4.80	2.60	0.06	bdl	7.01
1/31/11 7:50	2,613	124	5.30	2.55	0.06	bdl	5.73
2/15/11 8:28	>24196	1,733	12.30	4.85	0.50	0.51	6.32
2/23/11 8:20	12,997	488	21.30	4.93	0.06	bdl	10.12
3/3/11 8:20	4,884	517	15.70	3.19	0.04	bdl	10.00
3/8/11 8:23	12,033	2,420	24.30	4.00	0.06	bdl	10.40
3/18/11 6:25	2,723	189	17.30	2.48	0.03	0.01	10.58
3/24/11 7:31	2,909	435	10.10	3.19	0.03	bdl	10.15
3/30/11 7:24	2,014	231	11.20	3.08	0.02	bdl	9.91
4/5/11 7:18	7,701	1,120	6.10	2.97	0.03	bdl	8.03
4/12/11 7:21	4,352	260	8.40	3.96	0.04	bdl	10.71
4/21/11 7:15	17,329	1,986	42.30	5.16	0.03	0.07	11.54
4/28/11 7:24	68,667	1,986	200.00	6.80	0.34	bdl	3.43

Water chemistry measurements in the Region of the Great Bend of the Wabash River watershed.

Wabash River (downstream) - County Road 700 West

Date and Time (EST)	Total Coliforms (cfu/100mL)	E. coli (cfu/100mL)	TSS (mg/L)	DOC (mg/L)	TP (mg/L)	NH3 (mg/L)	NO3 (mg/L)
7/1/09 8:02	19,863	43	34.00	11.87	0.01	bdl	2.29
7/9/09 8:01	8,164	80	30.25	4.37	0.10	bdl	1.59
7/16/09 8:11	6,504	57	30.75	5.40	0.02	bdl	1.53
7/21/09 8:02	2,590	120	29.33	2.36	0.02	0.08	1.08
7/29/09 8:23	12,591	2,420	38.50	4.72	0.02	bdl	0.56
8/4/09 8:02	1,046	23	51.60	1.79	0.01	0.01	0.19
8/13/09 7:54	>24196	9	30.00	4.69	0.01	bdl	0.27
8/20/09 8:13	72,699	1,414	169.30	6.62	0.12	0.04	1.78
8/23/09 7:50	19,863	186	41.70	6.60	0.15	bdl	1.43
9/3/09 8:23	19,863	40	14.30	7.31	0.13	0.08	0.97
9/11/09 8:10	6,488	42	12.80	7.08	0.16	bdl	1.17
9/17/09 7:39	8,164	84	10.50	6.77	0.17	bdl	1.00
9/24/09 7:39	6,488	186	7.60	4.76	0.21	bdl	1.26
10/1/09 8:05	2,420	66	8.90	5.04	0.26	bdl	1.61
10/8/09 7:54	6,867	158	7.60	5.32	0.19	--	--
10/15/09 7:18	4,884	115	10.30	5.04		bdl	1.19
10/22/09 7:29	4,106	79	16.40	4.63	0.10	bdl	1.30
10/29/09 8:14	8,664	123	25.10	5.89	0.13	bdl	1.56
11/5/09 8:06	4,611	93	12.30	6.05	0.12	bdl	1.73
11/12/09 8:19	7,270	488	7.40	4.99	0.22	bdl	1.66
11/19/09 8:34	23,098	411	14.70	7.41	0.07	bdl	1.98
11/24/09 8:28	2,909	78	6.80	7.70	0.08	bdl	1.41
12/3/09 8:39	41,058	5,475	8.70	5.74	0.09	bdl	1.79
12/17/09 8:30	120,333	276	25.30	4.01	0.18	1.30	3.88
12/23/09 8:48	24,196	1,414	10.30	4.10	0.07	bdl	4.11
12/29/09 9:07	104,624	1,203	46.00	4.48	0.12	bdl	4.19
1/14/10 8:00	1,986	387	3.20	3.52	0.11	0.01	4.14
1/22/10 8:40	22,468	1,733	15.30	5.01	0.07	bdl	3.96
2/2/10 8:33	9,208	88	12.60	6.43	0.11	bdl	7.45
2/18/10 8:40	1,733	96	3.30	4.18	0.10	bdl	3.45
2/25/10 8:11	24,196	248	32.30	4.50	0.09	bdl	2.94
3/2/10 8:34	5,475	53	9.30	3.82	0.08	bdl	3.42
3/9/10 8:17	2,909	291	27.50	4.10	0.08	bdl	5.73
3/16/10 7:32	68,667	727	131.00	6.58	0.22	bdl	5.27
3/24/10 7:26	5,475	51	43.00	6.57	0.11	bdl	4.24
3/31/10 7:34	46,111	435	137.00	6.73	0.12	bdl	4.60
4/6/10 7:04	2,098	46	34.00	4.48	0.02	bdl	3.93
4/14/10 7:25	6,488	74	31.00	4.81	0.09	bdl	3.94
4/20/10 7:26	1,497	146	29.30	7.54	0.01	bdl	2.69
4/27/10 7:09	24,196	727	96.00	6.37	0.02	bdl	3.35
5/4/10 7:31	7,270	138	25.00	6.26	0.08	bdl	4.37
5/12/10 7:24	24,196	866	66.50	5.48	0.08	bdl	4.69
5/18/10 7:35	29,093	461	63.50	--	--	--	--
5/25/10 7:44	23,822	461	97.00	6.68	0.11	bdl	6.60
6/1/10 7:08	30,759	649	51.70	6.43	0.11	bdl	5.99
6/8/10 7:35	111,987	1,733	128.00	6.28	0.12	bdl	6.80
6/15/10 7:45	155,312	1,782	127.00	6.30	0.15	0.09	6.40
6/24/10 7:30	43,517	249	64.00	6.21	0.13	bdl	4.34
6/30/10 7:15	21,872	345	70.50	6.24	0.11	0.02	4.76
7/7/10 7:15	10,462	107	21.00	6.22	0.01	0.07	3.13
7/13/10 7:37	3,873	186	22.50	5.04	bdl	0.05	2.03
7/21/10 7:43	4,106	137	19.00	3.48	0.02	bdl	0.90
7/27/10 7:38	20,142	548	94.00	4.33	0.11	0.39	1.35
8/3/10 9:01	15,531	365	19.50	3.99	0.08	0.27	1.60
8/9/10 7:38	19,683	131	54.00	3.79	0.12	0.10	1.92
8/20/10 7:43	24,196	23	31.50	5.35	0.03	bdl	0.97
8/25/10 7:47	14,136	19	11.50	4.54	0.03	bdl	1.24
8/31/10 6:48	17,329	20	24.70	4.40	0.14	bdl	1.59

Date and Time (EST)	Total Coliforms (cfu/100mL)	E. coli (cfu/100mL)	TSS (mg/L)	DOC (mg/L)	TP (mg/L)	NH3 (mg/L)	NO3 (mg/L)
9/8/10 7:34	8,664	46	20.50	4.26	0.07	bdl	1.32
9/14/10 6:37	8,664	75	8.50	3.52	0.22	bdl	1.55
9/23/10 7:55	6,867	109	9.00	4.47	0.12	bdl	0.71
9/29/10 7:49	4,884	96	15.00	3.76	0.23	bdl	1.28
10/6/10 7:45	2,755	172	13.80	4.07	0.20	bdl	1.55
10/13/10 7:44	6,131	162	5.30	3.35	0.21	bdl	1.32
10/21/10 7:44	1,723	22	6.60	5.08	0.13	bdl	0.85
10/27/10 7:38	8,664	548	20.70	4.76	0.08	bdl	0.52
11/3/10 7:52	2,909	488	7.80	4.36	0.14	bdl	0.98
11/11/10 8:42	3,654	147	3.70	3.99	0.11	bdl	0.97
11/17/10 8:39	2,247	326	6.20	bdl	0.10	bdl	0.95
11/23/10 8:45	111,987	15,531	8.00	4.89	0.20	bdl	0.59
12/2/10 8:54	24,196	687	52.50	5.16	0.12	bdl	3.72
12/8/10 8:50	5,172	261	15.30	1.17	0.18	0.47	4.18
12/15/10 8:40	1,733	649	6.00	4.70	0.17	0.08	3.86
12/20/10 9:06	2,613	127	3.90	7.57		bdl	3.63
1/5/2011 8:50	77,010	727	52.5	4.98	0.11	bdl	5.63
1/13/2011 8:40	--	--	5.30	3.84	0.18	0.23	5.63
1/19/2011 8:42	3,255	387	5.60	3.97	0.13	bdl	5.00
1/28/2011 8:53	1,723	128	3.50	4.46	0.16	bdl	4.16
1/31/11 8:08	1,414	70	4.40	3.49	0.15	0.06	3.70
2/9/2011 8:32	2,420	387	3.80	3.48	0.18	bdl	3.24
2/15/2011 8:44	8,164	1,300	11.10	3.36	0.13	0.06	2.76
2/23/2011 8:38	17,329	365	66.30	6.02	0.18	bdl	7.74
3/3/2011 8:38	19,863	488	119.50	6.18	0.16	bdl	6.26
3/8/2011 8:38	21,496	770	136.00	6.17	0.16	bdl	6.00
3/18/2011 6:42	3,873	80	78.50	5.52	0.15	bdl	4.99
3/24/2011 7:47	19,863	361	84.50	6.68	0.11	bdl	bdl
3/30/2011 7:39	2,481	260	38.70	5.35	0.09	bdl	bdl
4/5/2011 7:35	2,420	649	26.00	4.64	0.02	bdl	bdl
4/12/2011 7:38	4,884	228	59.70	5.39	0.05	0.91	0.91
4/21/2011 7:30	24,196	2,420	236.00	6.16	0.09	0.09	0.09
4/28/11 7:43	32,554	1,733	125	5.54	0.12	0.39	6.19

Water chemistry measurements in the Region of the Great Bend of the Wabash River watershed.

Wabash River (upstream) - North Ninth Street

Date and Time (EST)	Total Coliforms (cfu/100mL)	E. coli (cfu/100mL)	TSS (mg/L)	DOC (mg/L)	TP (mg/L)	NH3 (mg/L)	NO3 (mg/L)
7/1/09 9:22	12,997	36	32.00	9.34	0.01	bdl	2.10
7/9/09 9:16	4,352	34	18.00	4.69	0.03	bdl	1.37
7/16/09 9:20	24,196	32	18.00	3.53	0.01	bdl	1.33
7/21/09 9:24	17,329	43	15.75	6.96	0.06	0.07	1.00
7/29/09 0:00	771	54	20.67	2.20	0.01	0.60	0.40
8/4/09 9:17	9,804	33	27.20	6.54	0.01	0.01	bdl
8/13/09 9:22	>24096.0	27	20.00	6.97	0.03	bdl	bdl
8/20/09 9:19	17,216	687	57.60	5.42	0.09	0.03	1.67
8/23/09 9:02	38,732	214	23.30	5.98	0.10	bdl	0.88
9/3/09 10:07	19,863	39	9.30	7.82	0.34	0.01	0.64
9/11/09 9:58	8,664	36	6.50	6.81	0.02	bdl	0.88
9/17/09 8:49	7,270	40	5.40	5.76	0.03	bdl	0.47
9/24/09 9:25	10,462	65	2.50	7.66	0.06	bdl	0.73
10/1/09 9:17	6,867	91	7.10	5.76	0.08	0.01	0.63
10/8/09 9:25	8,664	41	8.10	6.48	0.02	0.01	0.63
10/15/09 9:00	3,654	47	10.20	6.64	0.03	bdl	0.93
10/22/09 8:39	2,420	23	9.30	4.70	0.04	0.26	5.25
10/29/09 9:31	3,282	34	15.70	5.64	0.05	bdl	2.62
11/5/09 9:22	2,420	28	8.80	5.25	0.06	bdl	1.67
11/12/09 9:30	2,489	65	7.10	5.13	0.05	bdl	1.43
11/19/09 9:40	5,794	210	2.20	6.95	0.03	bdl	1.42
11/24/09 9:33	1,935	45	5.75	7.10	0.03	bdl	1.53
12/3/09 9:45	9,208	488	3.30	6.13	0.03	bdl	1.86
12/17/09 9:36	111,897	291	25.40	4.20	0.08	0.02	3.76
12/23/09 10:00	12,033	816	1.20	5.01	0.08	bdl	4.64
12/29/09 10:21	198,629	980	39.00	5.19	0.10	0.01	3.91
1/14/10 8:37	1,986	42	2.40	3.80	0.06	--	--
1/22/10 9:52	6,867	411	6.20	5.60	0.03	bdl	3.44
1/27/10 9:41	61,314	816	78.00	6.96	0.10	bdl	5.79
2/2/10 9:36	4,884	105	14.40	6.66	0.08	0.03	7.29
2/18/10 9:45	214	29	3.10	4.50	0.05	bdl	3.41
2/25/10 9:35	23,593	548	18.70	4.61	0.08	bdl	3.47
3/2/10 9:45	7,270	40	7.30	4.39	0.06	bdl	3.82
3/9/10 9:25	3,076	50	23.00	5.31	0.07	0.04	5.99
3/16/10 8:37	61,314	770	130.00	6.90	0.19	bdl	5.27
3/24/10 8:39	3,873	63	47.00	6.37	0.13	bdl	4.04
3/31/10 8:38	34,480	435	107.50	6.82	0.13	0.07	4.18
4/6/10 8:10	3,076	38	3.00	4.74	-0.01	bdl	3.82
4/14/10 8:30	2,755	68	26.00	5.31	0.04	bdl	3.77
4/20/10 8:34	2,014	27	23.70	6.27	0.01	bdl	2.65
4/27/10 8:15	46,111	629	120.50	6.37	0.10	bdl	3.00
5/4/10 8:37	8,164	131	27.00	7.41	0.05	bdl	4.41
5/13/10 7:05	64,882	2,420	139.00	6.19	0.08	bdl	5.23
5/18/10 8:39	30,759	1,203	60.50	6.01	0.06	bdl	5.85
5/25/10 8:53	26,025	285	85.00	7.31	0.09	bdl	5.97
6/1/10 8:15	155,312	1,300	101.00	6.66	0.10	bdl	5.96
6/8/10 8:41	51,721	517	86.50	6.62	0.12	bdl	6.24
6/15/10 8:39	111,987	2,481	133.00	6.71	0.15	bdl	6.04
6/24/10 8:42	21,872	579	42.00	6.89	0.11	0.02	4.55
6/30/10 8:17	24,196	102	27.00	6.26	0.08	bdl	4.48
7/7/10 8:18	6,867	31	18.00	5.72	0.00	bdl	3.74
7/13/10 8:43	15,531	36	15.00	5.35	0.00	bdl	1.69
7/21/10 8:53	1,653	24	22.00	4.30	0.01	bdl	0.93
7/27/10 8:47	24,196	133	25.30	4.72	0.08	bdl	1.28
8/3/10 10:07	24,196	61	18.00	4.02	0.04	0.08	1.43
8/9/10 8:50	10,462	82	37.00	4.30	0.09	0.01	1.73
8/20/10 8:52	15,531	26	36.50	5.47	0.01	bdl	0.90
8/25/10 8:52	17,329	27	10.00	5.24	0.01	bdl	1.09

Date and Time (EST)	Total Coliforms (cfu/100mL)	E. coli (cfu/100mL)	TSS (mg/L)	DOC (mg/L)	TP (mg/L)	NH3 (mg/L)	NO3 (mg/L)
8/31/10 7:58	24,196	36	14.70	4.15	0.02	bdl	1.26
9/8/10 8:48	9,208	46	11.00	6.27	0.03	0.10	1.03
9/14/10 7:45	6,131	31	8.00	3.85	0.06	bdl	0.95
9/23/10 9:03	6,131	59	8.50	4.20	0.01	bdl	0.54
9/29/10 9:00	4,884	38	9.60	4.16	0.06	bdl	1.14
10/6/10 8:53	3,255	38	9.80	3.86	0.06	bdl	1.07
10/13/10 8:54	1,414	51	4.80	3.67	0.05	bdl	0.83
10/21/10 8:54	3,873	65	5.00	5.06	0.03	bdl	0.60
10/27/10 9:01	5,794	548	11.70	5.11	0.07	bdl	0.53
11/3/10 9:18	1,986	16	7.20	4.05	0.04	bdl	0.61
11/11/10 9:49	4,106	1,203	6.20	4.08	0.04	bdl	0.74
11/17/10 9:43	1,414	93	8.30	3.97	0.04	1.59	0.74
11/23/10 9:56	3,255	261	5.80	4.46	0.03	bdl	0.82
12/2/10 10:03	19,863	326	41.50	bdl	0.08	bdl	3.27
12/8/10 9:58	4,611	99	20.30	5.58	0.11	0.06	4.26
12/15/10 9:50	2,420	127	6.30	5.09	0.06	0.01	3.81
12/20/10 10:09	2,247	119	5.40	8.74	--	bdl	3.68
1/5/2011 9:54	57,943	613	53.50	5.24	0.09	bdl	5.98
1/13/2011 9:50	--	--	4.90	4.22	0.07	0.09	5.45
1/19/2011 9:48	2,064	71	4.50	4.31	0.05	0.11	5.12
1/28/2011 10:03	1,300	86	4.10	4.57	0.03	bdl	3.92
1/31/2011 9:15	579	10	3.40	3.85	0.05	1.59	3.64
2/23/2011 9:38	24,196	199	66.70	6.39	0.19	0.08	7.78
3/3/2011 9:41	21,426	613	100.50	6.54	0.12	0.02	6.17
3/8/2011 9:41	19,863	326	140.00	6.55	0.17	bdl	5.25
3/18/2011 7:54	2,613	69	72.00	5.89	0.15	0.03	5.35
3/24/2011 8:51	24,196	249	71.50	6.25	0.20	bdl	4.31
3/30/2011 8:46	2,420	435	34.00	5.79	0.05	bdl	4.20
4/5/2011 8:38	1,046	46	19.00	5.14	0.01	bdl	4.02
4/12/2011 8:42	3,654	44	40.70	5.91	0.03	bdl	4.47
4/21/2011 8:30	57,943	2,489	237.00	6.47	0.12	0.18	5.97
4/28/2011 8:45	43,517	1,986	159.00	6.02	0.13	bdl	6.63

Qualitative Habitat Evaluation Index (QHEI) metric and total scores for stream sites of Wabash River tributaries in the vicinity of the Great Bend Region of the watershed. Each site was scored independently by at least three field crew members, and the means of these individual and total scores serve as the final QHEI assessments for each site.

		Field Crew QHEI Scores				
Site	Habitat Component	Crew 1	Crew 2	Crew 3	Crew 4	Mean
Flint Creek	Substrate:	9	13	15	n/a	12.33
	Instream Cover:	9	8	13	n/a	10
	Channel Morphology:	13	13	13	n/a	13
	Riparian Zone & Bank Erosion:	5.5	5.5	7.5	n/a	6.17
	Pool/Glide & Riffle/Run Quality:	12	14	15	n/a	13.67
	Gradient:	6	6	6	n/a	6
	TOTAL:	51.8	56.8	66.8	n/a	58.47
W. Fork Kickapoo	Substrate:	16	16	14	n/a	15.33
	Instream Cover:	13	13	19	n/a	15
	Channel Morphology:	16	16	15	n/a	15.67
	Riparian Zone & Bank Erosion:	10	10	8	n/a	9.33
	Pool/Glide & Riffle/Run Quality:	10	10	15	n/a	11.67
	Gradient:	10	10	10	n/a	10
	TOTAL:	75	75	81	n/a	77
Elliot Ditch	Substrate:	14	15	14	n/a	14.33
	Instream Cover:	6	13	14	n/a	11
	Channel Morphology:	10	16	15	n/a	13.67
	Riparian Zone & Bank Erosion:	7.5	8	7.5	n/a	7.67
	Pool/Glide & Riffle/Run Quality:	9.5	13	16	n/a	12.83
	Gradient:	10	10	10	n/a	10
	TOTAL:	57	75	76.5	n/a	69.5
Little Wea Creek	Substrate:	14	7	13	15	12.25
	Instream Cover:	2	2	7	8	4.75
	Channel Morphology:	4	4	4	4	4
	Riparian Zone & Bank Erosion:	3	3	2.5	1	2.38
	Pool/Glide & Riffle/Run Quality:	6	10	13	7	9
	Gradient:	4	4	4	4	4
	TOTAL:	31.9	28.9	42.4	41.9	36.28
East Branch Wea	Substrate:	14	13	13	11	12.75
	Instream Cover:	12	13	13	17	13.75
	Channel Morphology:	12	11	13	13	12.25
	Riparian Zone & Bank Erosion:	6	5	5.5	7	5.88
	Pool/Glide & Riffle/Run Quality:	10	11	17	11	12.25
	Gradient:	10	10	10	10	10
	TOTAL:	64	63	71.5	69	66.88

Qualitative Habitat Evaluation Index (QHEI) metric and total scores for stream sites of Wabash River tributaries in the vicinity of the Great Bend Region of the watershed. Each site was scored independently by at least three field crew members, and the means of these individual and total scores serve as the final QHEI assessments for each site.

		Field Crew QHEI Scores				
Site	Habitat Component	Crew 1	Crew 2	Crew 3	Crew 4	Mean
Burnett Creek	Substrate:	13	14	7	n/a	11.33
	Instream Cover:	13	14	14	n/a	13.67
	Channel Morphology:	10	13	12	n/a	11.67
	Riparian Zone & Bank Erosion:	9	8	5.5	n/a	7.5
	Pool/Glide & Riffle/Run Quality:	3	10	15	n/a	9.33
	Gradient:	10	10	10	n/a	10
	TOTAL:	58	69	63.5	n/a	63.5
Little Pine Creek	Substrate:	9	7	6	9	7.75
	Instream Cover:	6	8	8	16	9.5
	Channel Morphology:	14	13	4	13	11
	Riparian Zone & Bank Erosion:	7.5	7.5	5	6	6.5
	Pool/Glide & Riffle/Run Quality:	11	12	13	9	11.25
	Gradient:	6	6	6	6	6
	TOTAL:	51.8	51.8	40.3	57.3	50.3
Indian Creek	Substrate:	15	16	18	n/a	16.34
	Instream Cover:	10	15	15	n/a	13.33
	Channel Morphology:	16	16	17	n/a	16.33
	Riparian Zone & Bank Erosion:	8.5	6	9.5	n/a	8
	Pool/Glide & Riffle/Run Quality:	16.5	13	18	n/a	15.83
	Gradient:	10	10	10	n/a	10
	TOTAL:	76	76	87.5	n/a	79.83
Kellerman Lea Ming	Substrate:	5	6	5	n/a	5.34
	Instream Cover:	11	7	6	n/a	8
	Channel Morphology:	4	8	4	n/a	5.33
	Riparian Zone & Bank Erosion:	3	4.5	4	n/a	3.83
	Pool/Glide & Riffle/Run Quality:	9	12	12	n/a	11
	Gradient:	10	10	10	n/a	10
	TOTAL:	42	47.5	41	n/a	43.5
Kickapoo Creek	Substrate:	8	10	13	n/a	10.32
	Instream Cover:	12	10	19	n/a	13.67
	Channel Morphology:	15	13	16	n/a	14.67
	Riparian Zone & Bank Erosion:	9	8	8.5	n/a	8.5
	Pool/Glide & Riffle/Run Quality:	8	11	16	n/a	11.67
	Gradient:	4	4	4	n/a	4
	TOTAL:	56	56	76.5	n/a	62.83

Fish species observed at monitoring sites in the Region of the Great Bend of the Wabash River watershed.

Fish Taxon				Monitoring Site/Sampling Event							
				Little Pine Creek							
Family	Genus	Species (Subspecies)	Common Name	23-Jun-09	20-Jul-09	16-Sep-09	5-Nov-09	19-Mar-10	21-Jun-10	12-Aug-10	31-Oct-10
Catostomidae	*Catostomus*	*commersoni*	White Sucker	14	51	53	6		5	22	8
	Erimyzon	*oblongus*	Creek Chubsucker	11	14	32	9	4	18	12	13
	Hypentelium	*nigricans*	Northern Hogsucker		1		1				
	Minytrema	*melanops*	Spotted Sucker	2	3	4	1		2	7	5
	Moxostoma	*erythrurum*	Golden Redhorse								
Cyprinidae	*Campostoma*	*anomalum*	Central Stoneroller								
	Carassius	*auratus (auratus)*	Goldfish*								
	Chrosomus	*erythrogaster*	Southern Redbelly Dace								
	Cyprinella	*spiloptera*	Spotfin Shiner			3				1	
	Cyprinus	*carpio*	Common Carp*							6	1
	Hybognathus	*nuchalis*	Mississippi Silvery Minnow								
	Hybopsis	*amblops*	Bigeye Chub								
	Lithrurus	*umbratilis*	Redfin Shiner	2	6	19	1	2	4	41	10
	Luxilus	*chrysocephalus*	Striped Shiner								
	Luxilus	*cornutus*	Common Shiner								
	Nocomis	*micropogon*	River Chub								
	Nocomis	*biguttatus*	Hornyhead chub					4		3	5
	Notropis	*atherinoides*	Emerald Shiner								
	Notropis	*blennius*	River Shiner								
	Notropis	*boops*	Bigeye Shiner								
	Notropis	*buccatus*	Silverjaw Minnow				1		3		
	Notropis	*rubellus*	Rosyface Shiner								
	Notropis	*stramineus*	Sand Shiner								
	Phenacobius	*mirabilis*	Suckermouth Minnow								
	Pimephales	*notatus*	Bluntnose Minnow	28	72	46	31		32	44	3
	Pimephales	*promelas*	Fathead Minnow								
	Rhinichthys	*atratulus*	Blacknose Dace								
	Semotilus	*atromaculatus*	Creek Chub	15	28	90	21	1	9	33	20
Ictaluridae	*Ameiurus*	*melas*	Black Bullhead		6		1				
	Ameiurus	*natalis*	Yellow Bullhead	1	3	3	1				1
	Ameiurus	*nebulosus*	Brown Bullhead			5	3			2	1
	Noturus	*flavus*	Stonecat	1							

Fish species observed at monitoring sites in the Region of the Great Bend of the Wabash River watershed.

Fish Taxon				Monitoring Site/Sampling Event							
				Little Pine Creek							
Family	Genus	Species (Subspecies)	Common Name	23-Jun-09	20-Jul-09	16-Sep-09	5-Nov-09	19-Mar-10	21-Jun-10	12-Aug-10	31-Oct-10
Sciaenidae	*Aplodinotus*	*grunniens*	Freshwater Drum							1	
Amiidae	*Amia*	*calva*	Bowfin							1	
Fundulidae	*Fundulus*	*notatus*	Blackstripe Topminnow		1						
Umbridae	*Umbra*	*limi*	Central Mudminnow								
Escocidae	*Esox*	*americanus (vermiculatus)*	Grass Pickerel	14	17	19	7		9	18	9
Clupeidae	*Dorosoma*	*cepedianum*	Gizzard Shad			1				1	3
Gastrosteidae	*Culaea*	*incostans*	Brook Stickleback								
Cottidae	*Cottus*	*bairdii*	Mottled Sculpin	3	6	3	6	2	2	1	
Centrarchidae	*Ambloplites*	*rupestris*	Rock Bass								
	Lepomis	*cyanellus*	Green Sunfish	9	25	31	9	7	15	51	15
	Lepomis	*gibbosus*	Pumpkinseed	5							
	Lepomis	*macrochirus*	Bluegill	1	4					1	
	Lepomis	*megalotis*	Longear Sunfish	1	14	39		2	8	13	2
	Lepomis	*microlophus*	Redear Sunfish		1						
	Micropterus	*dolomieu*	Smallmouth Bass								
	Micropterus	*punctulatus*	Spotted Bass							1	2
	Micropterus	*salmoides*	Largemouth Bass								
Percidae	*Etheostoma*	*blennioides*	Greenside Darter		1	3	2			3	
	Etheostoma	*caeruleum*	Rainbow Darter		2		3				
	Etheostoma	*flabellare*	Fantail Darter								
	Etheostoma	*nigrum*	Johnny Darter	1	13	9	6	3		6	1
	Etheostoma	*spectabile*	Orangethroat Darter	4	2	8	6	1		1	
	Percina	*maculata*	Blackside Darter								
Hybrids	Bluegill/Green Sunfish			1	8	17					
	Pumkinseed/Green Sunfish			2							
	Bluegill/Pumpkinseed				6						
	Bluegill/Longear Sunfish				1						
	Longear Sunfish/Green Sunfish					3	7	4		1	

Fish species observed at monitoring sites in the Region of the Great Bend of the Wabash River watershed.

Fish Taxon				Monitoring Site/Sampling Event							
				Little Wea Creek							
Family	Genus	Species (Subspecies)	Common Name	18-Jun-09	22-Jul-09	22-Sep-09	5-Nov-09	22-Mar-10	18-Jun-10	12-Aug-10	30-Oct010
	Catostomus	*commersoni*	White Sucker	2	36	8	2		4	61	17
	Erimyzon	*oblongus*	Creek Chubsucker								
Catostomidae	*Hypentelium*	*nigricans*	Northern Hogsucker	2	10	7	3		6	9	12
	Minytrema	*melanops*	Spotted Sucker								
	Moxostoma	*erythrurum*	Golden Redhorse								
	Campostoma	*anomalum*	Central Stoneroller	30	51	34	17	1	24	38	75
	Carassius	*auratus (auratus)*	Goldfish*								
	Chrosomus	*erythrogaster*	Southern Redbelly Dace								
	Cyprinella	*spiloptera*	Spotfin Shiner								
	Cyprinus	*carpio*	Common Carp*								
	Hybognathus	*nuchalis*	Mississippi Silvery Minnow								
	Hybopsis	*amblops*	Bigeye Chub								
	Lithrurus	*umbratilis*	Redfin Shiner								
	Luxilus	*chrysocephalus*	Striped Shiner		2	1	2			2	2
	Luxilus	*cornutus*	Common Shiner								
	Nocomis	*biguttatus*	Hornyhead chub								
Cyprinidae	*Notemigonus*	*crysoleucas*	Golden Shiner								
	Notropis	*atherinoides*	Emerald Shiner								
	Notropis	*blennius*	River Shiner								
	Notropis	*boops*	Bigeye Shiner								
	Notropis	*buccatus*	Silverjaw Minnow	3					2		13
	Notropis	*rubellus*	Rosyface Shiner								
	Notropis	*stramineus*	Sand Shiner								
	Phenacobius	*mirabilis*	Suckermouth Minnow								
	Pimephales	*notatus*	Bluntnose Minnow	32	4		8	45	5	10	26
	Pimephales	*promelas*	Fathead Minnow								
	Rhinichthys	*atratulus*	Blacknose Dace	6	6	8	12	43	4	4	3
	Semotilus	*atromaculatus*	Creek Chub	17	33	30	15	1	8	26	31
	Ameiurus	*melas*	Black Bullhead								
Ictaluridae	*Ameiurus*	*natalis*	Yellow Bullhead		1			2			2
	Ameiurus	*nebulosus*	Brown Bullhead								
	Noturus	*flavus*	Stonecat								

Fish species observed at monitoring sites in the Region of the Great Bend of the Wabash River watershed.

Fish Taxon				Monitoring Site/Sampling Event							
				Little Wea Creek							
Family	Genus	Species (Subspecies)	Common Name	18-Jun-09	22-Jul-09	22-Sep-09	5-Nov-09	22-Mar-10	18-Jun-10	12-Aug-10	30-Oct-10
Sciaenidae	*Aplodinotus*	*grunniens*	Freshwater Drum								
Amiidae	*Amia*	*calva*	Bowfin								
Fundulidae	*Fundulus*	*notatus*	Blackstripe Topminnow								
Umbridae	*Umbra*	*limi*	Central Mudminnow								
Escocidae	*Esox*	*americanus (vermiculatus)*	Grass Pickerel								
Clupeidae	*Dorosoma*	*cepedianum*	Gizzard Shad								
Gastrosteidae	*Culaea*	*incostans*	Brook Stickleback				1				
Cottidae	*Cottus*	*bairdii*	Mottled Sculpin	30	66	110	85	52	9	41	48
Centrarchidae	*Ambloplites*	*rupestris*	Rock Bass	15	25	22	12	21	13	38	15
	Lepomis	*cyanellus*	Green Sunfish	1	3	1	1			2	1
	Lepomis	*gibbosus*	Pumpkinseed								
	Lepomis	*macrochirus*	Bluegill							3	4
	Lepomis	*megalotis*	Longear Sunfish				1			2	
	Lepomis	*microlophus*	Redear Sunfish								
	Micropterus	*dolomieu*	Smallmouth Bass	1		3	9	4		4	10
	Micropterus	*punctulatus*	Spotted Bass						1		
	Micropterus	*salmoides*	Largemouth Bass								
Percidae	*Etheostoma*	*blennioides*	Greenside Darter	8	6	9	24	5	2	7	18
	Etheostoma	*caeruleum*	Rainbow Darter	3	3	2	2	3		1	5
	Etheostoma	*flabellare*	Fantail Darter	2	2	15	7	1		4	7
	Etheostoma	*nigrum*	Johnny Darter	6	1	2	4	1	1	5	6
	Etheostoma	*spectabile*	Orangethroat Darter	5	8	12	13	2	1	6	6
	Percina	*maculata*	Blackside Darter								1
Hybrids	Bluegill/Green Sunfish										
	Pumkinseed/Green Sunfish										
	Bluegill/Pumpkinseed										
	Bluegill/Longear Sunfish										
	Longear Sunfish/Green Sunfish										

Fish species observed at monitoring sites in the Region of the Great Bend of the Wabash River watershed.

Fish Taxon				Monitoring Site/Sampling Event							
				Elliot Ditch							
Family	Genus	Species (Subspecies)	Common Name	10-Jun-09	22-Jul-09	15-Sep-09	6-Nov-09	22-Mar-10	21-Jun-10	13-Aug-10	30-Oct-10
Catostomidae	*Catostomus*	*commersoni*	White Sucker	24	33	14	9	1	8	8	21
	Erimyzon	*oblongus*	Creek Chubsucker								
	Hypentelium	*nigricans*	Northern Hogsucker	3	1		2				
	Minytrema	*melanops*	Spotted Sucker								
	Moxostoma	*erythrurum*	Golden Redhorse								
Cyprinidae	*Campostoma*	*anomalum*	Central Stoneroller	19	49	66	4	54	2	14	114
	Carassius	*auratus (auratus)*	Goldfish*	1							
	Chrosomus	*erythrogaster*	Southern Redbelly Dace								68
	Cyprinella	*spiloptera*	Spotfin Shiner	10	4	13	24	47	1	9	29
	Cyprinus	*carpio*	Common Carp*				1	1	1		
	Hybognathus	*nuchalis*	Mississippi Silvery Minnow								
	Hybopsis	*amblops*	Bigeye Chub	9	5	5	5	9	1		2
	Lithrurus	*umbratilis*	Redfin Shiner								
	Luxilus	*chrysocephalus*	Striped Shiner	16	14	1	12	17	2	1	13
	Luxilus	*cornutus*	Common Shiner								
	Nocomis	*biguttatus*	Hornyhead chub								
	Notemigonus	*crysoleucas*	Golden Shiner								
	Notropis	*atherinoides*	Emerald Shiner				3				
	Notropis	*blennius*	River Shiner								
	Notropis	*boops*	Bigeye Shiner								
	Notropis	*buccatus*	Silverjaw Minnow	37	1	7	1	37	6	3	64
	Notropis	*rubellus*	Rosyface Shiner					1		3	5
	Notropis	*stramineus*	Sand Shiner	3							3
	Phenacobius	*mirabilis*	Suckermouth Minnow	1				3			
	Pimephales	*notatus*	Bluntnose Minnow	13	14	19	1	26	1	2	21
	Pimephales	*promelas*	Fathead Minnow								
	Rhinichthys	*atratulus*	Blacknose Dace	7	17	19	18	12	8	34	
	Semotilus	*atromaculatus*	Creek Chub	38	36	20	10	10	16	58	70
Ictaluridae	*Ameiurus*	*melas*	Black Bullhead								
	Ameiurus	*natalis*	Yellow Bullhead						1	1	1
	Ameiurus	*nebulosus*	Brown Bullhead								
	Noturus	*flavus*	Stonecat						1	1	

Fish species observed at monitoring sites in the Region of the Great Bend of the Wabash River watershed.

Fish Taxon				Monitoring Site/Sampling Event							
				Elliot Ditch							
Family	Genus	Species (Subspecies)	Common Name	10-Jun-09	22-Jul-09	15-Sep-09	6-Nov-09	22-Mar-10	21-Jun-10	13-Aug-10	30-Oct-10
Sciaenidae	*Aplodinotus*	*grunniens*	Freshwater Drum								
Amiidae	*Amia*	*calva*	Bowfin								
Fundulidae	*Fundulus*	*notatus*	Blackstripe Topminnow								
Umbridae	*Umbra*	*limi*	Central Mudminnow								
Escocidae	*Esox*	*americanus (vermiculatus)*	Grass Pickerel								
Clupeidae	*Dorosoma*	*cepedianum*	Gizzard Shad								
Gastrosteidae	*Culaea*	*incostans*	Brook Stickleback								
Cottidae	*Cottus*	*bairdii*	Mottled Sculpin	4	2	3	4	3	3		3
Centrarchidae	*Ambloplites*	*rupestris*	Rock Bass								
	Lepomis	*cyanellus*	Green Sunfish	64	41	29	23	46	26	51	78
	Lepomis	*gibbosus*	Pumpkinseed								
	Lepomis	*macrochirus*	Bluegill	11	1		2		19	6	3
	Lepomis	*megalotis*	Longear Sunfish								
	Lepomis	*microlophus*	Redear Sunfish								
	Micropterus	*dolomieu*	Smallmouth Bass				1				
	Micropterus	*punctulatus*	Spotted Bass								1
	Micropterus	*salmoides*	Largemouth Bass	1							
Percidae	*Etheostoma*	*blennioides*	Greenside Darter								
	Etheostoma	*caeruleum*	Rainbow Darter			1		7	2	2	5
	Etheostoma	*flabellare*	Fantail Darter					6			
	Etheostoma	*nigrum*	Johnny Darter								
	Etheostoma	*spectabile*	Orangethroat Darter	3	2	2		5		1	2
	Percina	*maculata*	Blackside Darter								
Hybrids	Bluegill/Green Sunfish			1	4	4	4		12		2
	Pumkinseed/Green Sunfish										
	Bluegill/Pumpkinseed										
	Bluegill/Longear Sunfish										
	Longear Sunfish/Green Sunfish										

Fish species observed at monitoring sites in the Region of the Great Bend of the Wabash River watershed.

Fish Taxon				Monitoring Site/Sampling Event							
				Burnett Creek							
Family	Genus	Species (Subspecies)	Common Name	11-Jun-09	20-Jul-09	15-Sep-09	6-Nov-09	22-Mar-10	21-Jun-10	13-Aug-10	1-Nov-10
Catostomidae	*Catostomus*	*commersoni*	White Sucker	4	19				7	58	6
	Erimyzon	*oblongus*	Creek Chubsucker								
	Hypentelium	*nigricans*	Northern Hogsucker		2	3			1	7	1
	Minytrema	*melanops*	Spotted Sucker								
	Moxostoma	*erythrurum*	Golden Redhorse	1	1		1		3		
Cyprinidae	*Campostoma*	*anomalum*	Central Stoneroller	2	29	15	1		10	26	
	Carassius	*auratus (auratus)*	Goldfish*								
	Chrosomus	*erythrogaster*	Southern Redbelly Dace								
	Cyprinella	*spiloptera*	Spotfin Shiner	1		4	9	38	81	11	31
	Cyprinus	*carpio*	Common Carp*								
	Hybognathus	*nuchalis*	Mississippi Silvery Minnow								
	Hybopsis	*amblops*	Bigeye Chub			3	5	3	3	5	3
	Lithrurus	*umbratilis*	Redfin Shiner				1				
	Luxilus	*chrysocephalus*	Striped Shiner				2	4	2		
	Luxilus	*cornutus*	Common Shiner								
	Nocomis	*biguttatus*	Hornyhead chub			1				2	
	Notemigonus	*crysoleucas*	Golden Shiner							1	
	Notropis	*atherinoides*	Emerald Shiner	17					30	2	
	Notropis	*blennius*	River Shiner	1					8		
	Notropis	*boops*	Bigeye Shiner						12		
	Notropis	*buccatus*	Silverjaw Minnow		1	5	2	13	8	15	1
	Notropis	*rubellus*	Rosyface Shiner								
	Notropis	*stramineus*	Sand Shiner	8					82	6	
	Phenacobius	*mirabilis*	Suckermouth Minnow								
	Pimephales	*notatus*	Bluntnose Minnow	2	4	18	2	62	30	58	24
	Pimephales	*promelas*	Fathead Minnow			1		1			
	Rhinichthys	*atratulus*	Blacknose Dace	44	149	142	188	209	50	119	50
	Semotilus	*atromaculatus*	Creek Chub	12	16	47	21	30	15	43	14
Ictaluridae	*Ameiurus*	*melas*	Black Bullhead	1							
	Ameiurus	*natalis*	Yellow Bullhead								
	Ameiurus	*nebulosus*	Brown Bullhead								
	Noturus	*flavus*	Stonecat							1	

Fish species observed at monitoring sites in the Region of the Great Bend of the Wabash River watershed.

Fish Taxon				Monitoring Site/Sampling Event							
				Burnett Creek							
Family	Genus	Species (Subspecies)	Common Name	11-Jun-09	20-Jul-09	15-Sep-09	6-Nov-09	22-Mar-10	21-Jun-10	13-Aug-10	1-Nov-10
Sciaenidae	*Aplodinotus*	*grunniens*	Freshwater Drum								
Amiidae	*Amia*	*calva*	Bowfin								
Fundulidae	*Fundulus*	*notatus*	Blackstripe Topminnow								
Umbridae	*Umbra*	*limi*	Central Mudminnow		3	4	1		2	7	1
Escocidae	*Esox*	*americanus (vermiculatus)*	Grass Pickerel								
Clupeidae	*Dorosoma*	*cepedianum*	Gizzard Shad							2	1
Gastrosteidae	*Culaea*	*incostans*	Brook Stickleback								
Cottidae	*Cottus*	*bairdii*	Mottled Sculpin	78	191	347	487	157	53	187	107
Centrarchidae	*Ambloplites*	*rupestris*	Rock Bass								
	Lepomis	*cyanellus*	Green Sunfish	4	5	3	2		1	6	5
	Lepomis	*gibbosus*	Pumpkinseed								
	Lepomis	*macrochirus*	Bluegill	10	29			1	8	16	28
	Lepomis	*megalotis*	Longear Sunfish								2
	Lepomis	*microlophus*	Redear Sunfish								
	Micropterus	*dolomieu*	Smallmouth Bass							1	
	Micropterus	*punctulatus*	Spotted Bass	5	4		1		3	4	4
	Micropterus	*salmoides*	Largemouth Bass			1	1				
Percidae	*Etheostoma*	*blennioides*	Greenside Darter		6						1
	Etheostoma	*caeruleum*	Rainbow Darter		7	2	6				1
	Etheostoma	*flabellare*	Fantail Darter								
	Etheostoma	*nigrum*	Johnny Darter	2	4	3	17	5	2	17	8
	Etheostoma	*spectabile*	Orangethroat Darter	3	3	14	4		2	14	10
	Percina	*maculata*	Blackside Darter								
Hybrids	Bluegill/Green Sunfish			1							
	Pumkinseed/Green Sunfish										
	Bluegill/Pumpkinseed										
	Bluegill/Longear Sunfish										
	Longear Sunfish/Green Sunfish										

Fish species observed at monitoring sites in the Region of the Great Bend of the Wabash River watershed.

Fish Taxon				Monitoring Site/Sampling Event							
				Kellerman Lee Ming Ditch							
Family	Genus	Species (Subspecies)	Common Name	18-Jun-09	22-Jul-09	18-Sep-09	5-Nov-09	20-Mar-10	18-Jun-10	11-Aug-10	30-Oct-10
Catostomidae	*Catostomus*	*commersoni*	White Sucker	3	7	10	17		2	1	
	Erimyzon	*oblongus*	Creek Chubsucker					1			1
	Hypentelium	*nigricans*	Northern Hogsucker		10	2	4			3	4
	Minytrema	*melanops*	Spotted Sucker		1	4	2	2	2	1	1
	Moxostoma	*erythrurum*	Golden Redhorse	2	9	3	10	1	3	7	
Cyprinidae	*Campostoma*	*anomalum*	Central Stoneroller				1		3	1	
	Carassius	*auratus (auratus)*	Goldfish*								
	Chrosomus	*erythrogaster*	Southern Redbelly Dace								
	Cyprinella	*spiloptera*	Spotfin Shiner		1						
	Cyprinus	*carpio*	Common Carp*	4	6		2		1	2	
	Hybognathus	*nuchalis*	Mississippi Silvery Minnow								
	Hybopsis	*amblops*	Bigeye Chub			1			20		
	Lithrurus	*umbratilis*	Redfin Shiner	1						39	2
	Luxilus	*chrysocephalus*	Striped Shiner		1						
	Luxilus	*cornutus*	Common Shiner								
	Nocomis	*biguttatus*	Hornyhead chub								
	Notemigonus	*crysoleucas*	Golden Shiner								
	Notropis	*atherinoides*	Emerald Shiner								
	Notropis	*blennius*	River Shiner								
	Notropis	*boops*	Bigeye Shiner								
	Notropis	*buccatus*	Silverjaw Minnow			2			1		
	Notropis	*rubellus*	Rosyface Shiner								
	Notropis	*stramineus*	Sand Shiner			1					1
	Phenacobius	*mirabilis*	Suckermouth Minnow								
	Pimephales	*notatus*	Bluntnose Minnow			62	25	2	27	59	
	Pimephales	*promelas*	Fathead Minnow								
	Rhinichthys	*atratulus*	Blacknose Dace					1			
	Semotilus	*atromaculatus*	Creek Chub	1		34	4	3	6	1	1
Ictaluridae	*Ameiurus*	*melas*	Black Bullhead								
	Ameiurus	*natalis*	Yellow Bullhead			1	1				
	Ameiurus	*nebulosus*	Brown Bullhead								
	Noturus	*flavus*	Stonecat								

Fish species observed at monitoring sites in the Region of the Great Bend of the Wabash River watershed.

Fish Taxon				Monitoring Site/Sampling Event							
				Kellerman Lea Ming Ditch							
Family	Genus	Species (Subspecies)	Common Name	18-Jun-09	22-Jul-09	18-Sep-09	5-Nov-09	20-Mar-10	18-Jun-10	11-Aug-10	30-Oct-10
Sciaenidae	*Aplodinotus*	*grunniens*	Freshwater Drum								
Amiidae	*Amia*	*calva*	Bowfin								
Fundulidae	*Fundulus*	*notatus*	Blackstripe Topminnow					1			
Umbridae	*Umbra*	*limi*	Central Mudminnow								
Escocidae	*Esox*	*americanus (vermiculatus)*	Grass Pickerel								
Clupeidae	*Dorosoma*	*cepedianum*	Gizzard Shad								
Gastrosteidae	*Culaea*	*incostans*	Brook Stickleback								
Cottidae	*Cottus*	*bairdii*	Mottled Sculpin		1	4	14	3	11	2	15
Centrarchidae	*Ambloplites*	*rupestris*	Rock Bass	5	8	1		1	1	2	3
	Lepomis	*cyanellus*	Green Sunfish	5	2	1	4	1		13	3
	Lepomis	*gibbosus*	Pumpkinseed	11	11	1		1			
	Lepomis	*macrochirus*	Bluegill	1	2	3	3				3
	Lepomis	*megalotis*	Longear Sunfish		1	4	3	3	6		1
	Lepomis	*microlophus*	Redear Sunfish								
	Micropterus	*dolomieu*	Smallmouth Bass	1	1	2			1	2	1
	Micropterus	*punctulatus*	Spotted Bass								
	Micropterus	*salmoides*	Largemouth Bass								
Percidae	*Etheostoma*	*blennioides*	Greenside Darter			3	5	1			2
	Etheostoma	*caeruleum*	Rainbow Darter								
	Etheostoma	*flabellare*	Fantail Darter								
	Etheostoma	*nigrum*	Johnny Darter							5	
	Etheostoma	*spectabile*	Orangethroat Darter					1	4		
	Percina	*maculata*	Blackside Darter								
Hybrids	Bluegill/Green Sunfish			3	6	1					
	Pumkinseed/Green Sunfish										
	Bluegill/Pumpkinseed										
	Bluegill/Longear Sunfish				2						1
	Longear Sunfish/Green Sunfish					3	3				

Fish species observed at monitoring sites in the Region of the Great Bend of the Wabash River watershed.

Fish Taxon				Monitoring Site/Sampling Event							
				Flint Creek							
Family	Genus	Species (Subspecies)	Common Name	18-Jun-09	22-Jul-09	22-Sep-09	5-Nov-09	20-Mar-10	18-Jun-09	11-Aug-10	31-Oct-10
Catostomidae	*Catostomus*	*commersoni*	White Sucker	2			11			4	6
	Erimyzon	*oblongus*	Creek Chubsucker								
	Hypentelium	*nigricans*	Northern Hogsucker	2	17	48	10	1	1	10	12
	Minytrema	*melanops*	Spotted Sucker								
	Moxostoma	*erythrurum*	Golden Redhorse								
Cyprinidae	*Campostoma*	*anomalum*	Central Stoneroller	130	318	151	18	41	54	156	282
	Carassius	*auratus (auratus)*	Goldfish*								
	Chrosomus	*erythrogaster*	Southern Redbelly Dace					1	1		
	Cyprinella	*spiloptera*	Spotfin Shiner		1			1			5
	Cyprinus	*carpio*	Common Carp*								
	Hybognathus	*nuchalis*	Mississippi Silvery Minnow								
	Hybopsis	*amblops*	Bigeye Chub	6	22					7	
	Lithrurus	*umbratilis*	Redfin Shiner								
	Luxilus	*chrysocephalus*	Striped Shiner	17	24	14	9	21	10	22	8
	Luxilus	*cornutus*	Common Shiner								
	Nocomis	*biguttatus*	Hornyhead chub		2	5	1				3
	Notemigonus	*crysoleucas*	Golden Shiner								
	Notropis	*atherinoides*	Emerald Shiner								
	Notropis	*blennius*	River Shiner								
	Notropis	*boops*	Bigeye Shiner								17
	Notropis	*buccatus*	Silverjaw Minnow	6	5	6				1	9
	Notropis	*rubellus*	Rosyface Shiner								
	Notropis	*stramineus*	Sand Shiner								
	Phenacobius	*mirabilis*	Suckermouth Minnow								
	Pimephales	*notatus*	Bluntnose Minnow		28	12	5		3	19	56
	Pimephales	*promelas*	Fathead Minnow								
	Rhinichthys	*atratulus*	Blacknose Dace	1	44	136	2	2	31	13	7
	Semotilus	*atromaculatus*	Creek Chub	4	30	47	16	13	17	9	18
Ictaluridae	*Ameiurus*	*melas*	Black Bullhead								
	Ameiurus	*natalis*	Yellow Bullhead			1					1
	Ameiurus	*nebulosus*	Brown Bullhead								
	Noturus	*flavus*	Stonecat	3	5	16	3		2	4	1

Fish species observed at monitoring sites in the Region of the Great Bend of the Wabash River watershed.

Fish Taxon				Monitoring Site/Sampling Event							
				Flint Creek							
Family	Genus	Species (Subspecies)	Common Name	18-Jun-09	22-Jul-09	22-Sep-09	5-Nov-09	20-Mar-10	18-Jun-09	11-Aug-10	31-Oct-10
Sciaenidae	*Aplodinotus*	*grunniens*	Freshwater Drum								
Amiidae	*Amia*	*calva*	Bowfin								
Fundulidae	*Fundulus*	*notatus*	Blackstripe Topminnow								
Umbridae	*Umbra*	*limi*	Central Mudminnow								
Escocidae	*Esox*	*americanus (vermiculatus)*	Grass Pickerel								
Clupeidae	*Dorosoma*	*cepedianum*	Gizzard Shad							11	15
Gastrosteidae	*Culaea*	*incostans*	Brook Stickleback								
Cottidae	*Cottus*	*bairdii*	Mottled Sculpin	45	30	66	81	29	31	59	84
Centrarchidae	*Ambloplites*	*rupestris*	Rock Bass	2						1	
	Lepomis	*cyanellus*	Green Sunfish	2	1	4	2		2	7	10
	Lepomis	*gibbosus*	Pumpkinseed								
	Lepomis	*macrochirus*	Bluegill				1	1			
	Lepomis	*megalotis*	Longear Sunfish								
	Lepomis	*microlophus*	Redear Sunfish								
	Micropterus	*dolomieu*	Smallmouth Bass	1	1	20	3				5
	Micropterus	*punctulatus*	Spotted Bass								
	Micropterus	*salmoides*	Largemouth Bass								
Percidae	*Etheostoma*	*blennioides*	Greenside Darter	3	6		3	5	2	4	4
	Etheostoma	*caeruleum*	Rainbow Darter	19	18	33	13	30	31	23	33
	Etheostoma	*flabellare*	Fantail Darter	5	7	14	5	3	2	1	4
	Etheostoma	*nigrum*	Johnny Darter			1					1
	Etheostoma	*spectabile*	Orangethroat Darter	19	15	38	5	8	3	2	14
	Percina	*maculata*	Blackside Darter								
Hybrids	Bluegill/Green Sunfish										
	Pumkinseed/Green Sunfish										
	Bluegill/Pumpkinseed										
	Bluegill/Longear Sunfish										
	Longear Sunfish/Green Sunfish										1

Fish species observed at monitoring sites in the Region of the Great Bend of the Wabash River watershed.

Fish Taxon				Monitoring Site/Sampling Event							
				East Branch Wea Creek							
Family	Genus	Species (Subspecies)	Common Name	24-Jun-09	21-Jul-09	18-Sep-09	4-Nov-09	22-Mar-10	18-Jun-10	12-Aug-10	30-Oct-10
Catostomidae	*Catostomus*	*commersoni*	White Sucker	8	4	7	1		1	17	2
	Erimyzon	*oblongus*	Creek Chubsucker						1		4
	Hypentelium	*nigricans*	Northern Hogsucker	8	4	15	6	3	1	9	17
	Minytrema	*melanops*	Spotted Sucker								
	Moxostoma	*erythrurum*	Golden Redhorse	2		6	1		5		
Cyprinidae	*Campostoma*	*anomalum*	Central Stoneroller	23	22	67	52	7	18	37	6
	Carassius	*auratus (auratus)*	Goldfish*								
	Chrosomus	*erythrogaster*	Southern Redbelly Dace								
	Cyprinella	*spiloptera*	Spotfin Shiner			1	3			4	1
	Cyprinus	*carpio*	Common Carp*			1					
	Hybognathus	*nuchalis*	Mississippi Silvery Minnow								
	Hybopsis	*amblops*	Bigeye Chub	3	7	4		1	2	11	2
	Lithrurus	*umbratilis*	Redfin Shiner	3	34		1		2		
	Luxilus	*chrysocephalus*	Striped Shiner	1			2	1		7	10
	Luxilus	*cornutus*	Common Shiner								
	Nocomis	*biguttatus*	Hornyhead chub								
	Notemigonus	*crysoleucas*	Golden Shiner								
	Notropis	*atherinoides*	Emerald Shiner							28	
	Notropis	*blennius*	River Shiner								
	Notropis	*boops*	Bigeye Shiner								
	Notropis	*buccatus*	Silverjaw Minnow			1				5	1
	Notropis	*rubellus*	Rosyface Shiner								2
	Notropis	*stramineus*	Sand Shiner		2	3				7	
	Phenacobius	*mirabilis*	Suckermouth Minnow								
	Pimephales	*notatus*	Bluntnose Minnow	17	63	41	15	4	11	222	25
	Pimephales	*promelas*	Fathead Minnow								
	Rhinichthys	*atratulus*	Blacknose Dace	1	8	25		22	8	45	43
	Semotilus	*atromaculatus*	Creek Chub	9	29	56	6	8	17	81	31
Ictaluridae	*Ameiurus*	*melas*	Black Bullhead								
	Ameiurus	*natalis*	Yellow Bullhead								1
	Ameiurus	*nebulosus*	Brown Bullhead								
	Noturus	*flavus*	Stonecat							1	

Fish species observed at monitoring sites in the Region of the Great Bend of the Wabash River watershed.

Fish Taxon				Monitoring Site/Sampling Event East Branch Wea Creek							
Family	Genus	Species (Subspecies)	Common Name	24-Jun-09	21-Jul-09	18-Sep-09	4-Nov-09	22-Mar-10	18-Jun-10	12-Aug-10	30-Oct-10
Sciaenidae	*Aplodinotus*	*grunniens*	Freshwater Drum								
Amiidae	*Amia*	*calva*	Bowfin								
Fundulidae	*Fundulus*	*notatus*	Blackstripe Topminnow								
Umbridae	*Umbra*	*limi*	Central Mudminnow								
Escocidae	*Esox*	*americanus (vermiculatus)*	Grass Pickerel								
Clupeidae	*Dorosoma*	*cepedianum*	Gizzard Shad								
Gastrosteidae	*Culaea*	*incostans*	Brook Stickleback								
Cottidae	*Cottus*	*bairdii*	Mottled Sculpin	77	119	87	88	45	24	139	175
Centrarchidae	*Ambloplites*	*rupestris*	Rock Bass	2				2		3	
	Lepomis	*cyanellus*	Green Sunfish	12	5	14			5	3	1
	Lepomis	*gibbosus*	Pumpkinseed	1							
	Lepomis	*macrochirus*	Bluegill								
	Lepomis	*megalotis*	Longear Sunfish	1							
	Lepomis	*microlophus*	Redear Sunfish								
	Micropterus	*dolomieu*	Smallmouth Bass	3	1	11	1			5	2
	Micropterus	*punctulatus*	Spotted Bass			1					1
	Micropterus	*salmoides*	Largemouth Bass								
Percidae	*Etheostoma*	*blennioides*	Greenside Darter	34	25	36	28	14	16	34	24
	Etheostoma	*caeruleum*	Rainbow Darter	3		3	1		2	4	3
	Etheostoma	*flabellare*	Fantail Darter								
	Etheostoma	*nigrum*	Johnny Darter		4	11	1	2	1	12	5
	Etheostoma	*spectabile*	Orangethroat Darter		8	11	1	11	3	8	7
	Percina	*maculata*	Blackside Darter								
Hybrids	Bluegill/Green Sunfish			1	5						
	Pumkinseed/Green Sunfish										
	Bluegill/Pumpkinseed										
	Bluegill/Longear Sunfish										
	Longear Sunfish/Green Sunfish										

Fish species observed at monitoring sites in the Region of the Great Bend of the Wabash River watershed.

Fish Taxon				Monitoring Site/Sampling Event							
				Indian Creek							
Family	Genus	Species (Subspecies)	Common Name	10-Jun-09	20-Jul-09	16-Sep-09	6-Nov-09	19-Mar-10	21-Jun-10	11-Aug-10	31-Oct-10
Catostomidae	*Catostomus*	*commersoni*	White Sucker	26	49	25	3		12	9	5
	Erimyzon	*oblongus*	Creek Chubsucker								
	Hypentelium	*nigricans*	Northern Hogsucker	3	7	7	3			1	1
	Minytrema	*melanops*	Spotted Sucker								
	Moxostoma	*erythrurum*	Golden Redhorse	1	2	2			3		
Cyprinidae	*Campostoma*	*anomalum*	Central Stoneroller	255	411	392	96	9	27	146	226
	Carassius	*auratus (auratus)*	Goldfish*								
	Chrosomus	*erythrogaster*	Southern Redbelly Dace								
	Cyprinella	*spiloptera*	Spotfin Shiner	2	13	5	10	8	24	10	54
	Cyprinus	*carpio*	Common Carp*								
	Hybognathus	*nuchalis*	Mississippi Silvery Minnow		1						
	Hybopsis	*amblops*	Bigeye Chub		1	8			28	2	
	Lithrurus	*umbratilis*	Redfin Shiner								
	Luxilus	*chrysocephalus*	Striped Shiner	5	5	4	1		3	3	6
	Luxilus	*cornutus*	Common Shiner								
	Nocomis	*biguttatus*	Hornyhead chub							2	
	Notemigonus	*crysoleucas*	Golden Shiner								
	Notropis	*atherinoides*	Emerald Shiner						3		
	Notropis	*blennius*	River Shiner						10		
	Notropis	*boops*	Bigeye Shiner								7
	Notropis	*buccatus*	Silverjaw Minnow	1	10	7	6	1	7	1	55
	Notropis	*rubellus*	Rosyface Shiner								
	Notropis	*stramineus*	Sand Shiner	32							3
	Phenacobius	*mirabilis*	Suckermouth Minnow	4					1		
	Pimephales	*notatus*	Bluntnose Minnow	25	71	74	31	3	15	13	24
	Pimephales	*promelas*	Fathead Minnow								7
	Rhinichthys	*atratulus*	Blacknose Dace	71	106	138	199	31	99	208	178
	Semotilus	*atromaculatus*	Creek Chub	75	81	75	71	3	43	75	162
Ictaluridae	*Ameiurus*	*melas*	Black Bullhead								
	Ameiurus	*natalis*	Yellow Bullhead								
	Ameiurus	*nebulosus*	Brown Bullhead								
	Noturus	*flavus*	Stonecat								

Fish species observed at monitoring sites in the Region of the Great Bend of the Wabash River watershed.

Fish Taxon				Monitoring Site/Sampling Event							
				Indian Creek							
Family	Genus	Species (Subspecies)	Common Name	10-Jun-09	20-Jul-09	16-Sep-09	6-Nov-09	19-Mar-10	21-Jun-10	11-Aug-10	31-Oct-10
Sciaenidae	*Aplodinotus*	*grunniens*	Freshwater Drum								
Amiidae	*Amia*	*calva*	Bowfin								
Fundulidae	*Fundulus*	*notatus*	Blackstripe Topminnow								
Umbridae	*Umbra*	*limi*	Central Mudminnow								
Escocidae	*Esox*	*americanus (vermiculatus)*	Grass Pickerel								
Clupeidae	*Dorosoma*	*cepedianum*	Gizzard Shad						1		
Gastrosteidae	*Culaea*	*incostans*	Brook Stickleback								
Cottidae	*Cottus*	*bairdii*	Mottled Sculpin	72	129	189	335	116	111	159	158
Centrarchidae	*Ambloplites*	*rupestris*	Rock Bass								
	Lepomis	*cyanellus*	Green Sunfish	8	34	13	26	1	10	44	63
	Lepomis	*gibbosus*	Pumpkinseed			2	5				
	Lepomis	*macrochirus*	Bluegill	7	5		1		2	2	
	Lepomis	*megalotis*	Longear Sunfish						1		
	Lepomis	*microlophus*	Redear Sunfish								
	Micropterus	*dolomieu*	Smallmouth Bass								1
	Micropterus	*punctulatus*	Spotted Bass			1	3		1	2	4
	Micropterus	*salmoides*	Largemouth Bass								
Percidae	*Etheostoma*	*blennioides*	Greenside Darter								
	Etheostoma	*caeruleum*	Rainbow Darter		11		11	4	4	2	9
	Etheostoma	*flabellare*	Fantail Darter								
	Etheostoma	*nigrum*	Johnny Darter	3	1	4	1				4
	Etheostoma	*spectabile*	Orangethroat Darter	16	5	10	3	1	6	5	7
	Percina	*maculata*	Blackside Darter								
Hybrids	Bluegill/Green Sunfish				23	1	4		9	7	
	Pumkinseed/Green Sunfish			1			3				
	Bluegill/Pumpkinseed										
	Bluegill/Longear Sunfish										
	Longear Sunfish/Green Sunfish										

Fish species observed at monitoring sites in the Region of the Great Bend of the Wabash River watershed.

Fish Taxon				Monitoring Site/Sampling Event							
				Kickapoo Creek							
Family	Genus	Species (Subspecies)	Common Name	16-Jun-09	23-Jul-09	DRY	4-Nov-09	20-Mar-10	21-Jun-10	10-Aug-10	31-Oct-10
	Catostomus	*commersoni*	White Sucker	1			6			1	2
	Erimyzon	*oblongus*	Creek Chubsucker								
Catostomidae	*Hypentelium*	*nigricans*	Northern Hogsucker	1	17		5	4	1	6	6
	Minytrema	*melanops*	Spotted Sucker								
	Moxostoma	*erythrurum*	Golden Redhorse		2						
	Campostoma	*anomalum*	Central Stoneroller	4	36		7	21	1	1	52
	Carassius	*auratus (auratus)*	Goldfish*								
	Chrosomus	*erythrogaster*	Southern Redbelly Dace								
	Cyprinella	*spiloptera*	Spotfin Shiner					2		3	10
	Cyprinus	*carpio*	Common Carp*								
	Hybognathus	*nuchalis*	Mississippi Silvery Minnow								
	Hybopsis	*amblops*	Bigeye Chub	1			1				3
	Lithrurus	*umbratilis*	Redfin Shiner								1
	Luxilus	*chrysocephalus*	Striped Shiner				2	1			1
	Luxilus	*cornutus*	Common Shiner								
	Nocomis	*biguttatus*	Hornyhead chub								
Cyprinidae	*Notemigonus*	*crysoleucas*	Golden Shiner								
	Notropis	*atherinoides*	Emerald Shiner								
	Notropis	*blennius*	River Shiner								
	Notropis	*boops*	Bigeye Shiner								
	Notropis	*buccatus*	Silverjaw Minnow		3			1	2	3	48
	Notropis	*rubellus*	Rosyface Shiner								
	Notropis	*stramineus*	Sand Shiner								
	Phenacobius	*mirabilis*	Suckermouth Minnow								
	Pimephales	*notatus*	Bluntnose Minnow	13	24			4	2	6	50
	Pimephales	*promelas*	Fathead Minnow								
	Rhinichthys	*atratulus*	Blacknose Dace		1		6	4			2
	Semotilus	*atromaculatus*	Creek Chub	31	121		30	17	22	25	131
	Ameiurus	*melas*	Black Bullhead								
Ictaluridae	*Ameiurus*	*natalis*	Yellow Bullhead		1						
	Ameiurus	*nebulosus*	Brown Bullhead								
	Noturus	*flavus*	Stonecat	1					1		

Fish species observed at monitoring sites in the Region of the Great Bend of the Wabash River watershed.

Fish Taxon				Monitoring Site/Sampling Event							
				Kickapoo Creek							
Family	Genus	Species (Subspecies)	Common Name	16-Jun-09	23-Jul-09	DRY	4-Nov-09	20-Mar-10	21-Jun-10	10-Aug-10	31-Oct-10
Sciaenidae	*Aplodinotus*	*grunniens*	Freshwater Drum								
Amiidae	*Amia*	*calva*	Bowfin								
Fundulidae	*Fundulus*	*notatus*	Blackstripe Topminnow								
Umbridae	*Umbra*	*limi*	Central Mudminnow								
Escocidae	*Esox*	*americanus (vermiculatus)*	Grass Pickerel								
Clupeidae	*Dorosoma*	*cepedianum*	Gizzard Shad								2
Gastrosteidae	*Culaea*	*incostans*	Brook Stickleback								
Cottidae	*Cottus*	*bairdii*	Mottled Sculpin	2	2		5	5	6	10	17
Centrarchidae	*Ambloplites*	*rupestris*	Rock Bass								
	Lepomis	*cyanellus*	Green Sunfish	12	12		3	1	23	54	210
	Lepomis	*gibbosus*	Pumpkinseed								
	Lepomis	*macrochirus*	Bluegill	2	2						
	Lepomis	*megalotis*	Longear Sunfish		2			1			
	Lepomis	*microlophus*	Redear Sunfish								
	Micropterus	*dolomieu*	Smallmouth Bass	1	3				1	1	1
	Micropterus	*punctulatus*	Spotted Bass								
	Micropterus	*salmoides*	Largemouth Bass								
Percidae	*Etheostoma*	*blennioides*	Greenside Darter	1	2		1			2	5
	Etheostoma	*caeruleum*	Rainbow Darter		2						2
	Etheostoma	*flabellare*	Fantail Darter		1						2
	Etheostoma	*nigrum*	Johnny Darter								
	Etheostoma	*spectabile*	Orangethroat Darter		2		1	2			1
	Percina	*maculata*	Blackside Darter								
Hybrids	Bluegill/Green Sunfish										
	Pumkinseed/Green Sunfish										
	Bluegill/Pumpkinseed										
	Bluegill/Longear Sunfish										
	Longear Sunfish/Green Sunfish										

Fish species observed at monitoring sites in the Region of the Great Bend of the Wabash River watershed.

Fish Taxon				Monitoring Site/Sampling Event							
				West Fork Kickapoo							
Family	Genus	Species (Subspecies)	Common Name	23-Jun-09	21-Jul-09	24-Sep-09	4-Nov-09	20-Mar-10	18-Jun-10	10-Aug-10	31-Oct-10
Catostomidae	*Catostomus*	*commersoni*	White Sucker	42	17	33	23	28	9	20	24
	Erimyzon	*oblongus*	Creek Chubsucker								
	Hypentelium	*nigricans*	Northern Hogsucker			1	2			1	
	Minytrema	*melanops*	Spotted Sucker								
	Moxostoma	*erythrurum*	Golden Redhorse								
Cyprinidae	*Campostoma*	*anomalum*	Central Stoneroller	178	42	115	94	63	59	134	278
	Carassius	*auratus (auratus)*	Goldfish*								
	Chrosomus	*erythrogaster*	Southern Redbelly Dace								
	Cyprinella	*spiloptera*	Spotfin Shiner					1			
	Cyprinus	*carpio*	Common Carp*								
	Hybognathus	*nuchalis*	Mississippi Silvery Minnow								
	Hybopsis	*amblops*	Bigeye Chub								
	Lithrurus	*umbratilis*	Redfin Shiner								
	Luxilus	*chrysocephalus*	Striped Shiner			1		1		1	3
	Luxilus	*cornutus*	Common Shiner								
	Nocomis	*biguttatus*	Hornyhead chub								
	Notemigonus	*crysoleucas*	Golden Shiner								
	Notropis	*atherinoides*	Emerald Shiner								
	Notropis	*blennius*	River Shiner								
	Notropis	*boops*	Bigeye Shiner								
	Notropis	*buccatus*	Silverjaw Minnow					1			3
	Notropis	*rubellus*	Rosyface Shiner								
	Notropis	*stramineus*	Sand Shiner								
	Phenacobius	*mirabilis*	Suckermouth Minnow								
	Pimephales	*notatus*	Bluntnose Minnow	4		6	6	2	4	4	27
	Pimephales	*promelas*	Fathead Minnow								
	Rhinichthys	*atratulus*	Blacknose Dace	67	59	153	125	58	37	140	254
	Semotilus	*atromaculatus*	Creek Chub	100	56	110	95	53	57	101	118
Ictaluridae	*Ameiurus*	*melas*	Black Bullhead	1							
	Ameiurus	*natalis*	Yellow Bullhead								
	Ameiurus	*nebulosus*	Brown Bullhead				1				
	Noturus	*flavus*	Stonecat								

Fish species observed at monitoring sites in the Region of the Great Bend of the Wabash River watershed.

Fish Taxon				Monitoring Site/Sampling Event							
				West Fork Kickapoo							
Family	Genus	Species (Subspecies)	Common Name	23-Jun-09	21-Jul-09	24-Sep-09	4-Nov-09	20-Mar-10	18-Jun-10	10-Aug-10	31-Oct-10
Sciaenidae	*Aplodinotus*	*grunniens*	Freshwater Drum								
Amiidae	*Amia*	*calva*	Bowfin								
Fundulidae	*Fundulus*	*notatus*	Blackstripe Topminnow								
Umbridae	*Umbra*	*limi*	Central Mudminnow								
Escocidae	*Esox*	*americanus (vermiculatus)*	Grass Pickerel								
Clupeidae	*Dorosoma*	*cepedianum*	Gizzard Shad								
Gastrosteidae	*Culaea*	*incostans*	Brook Stickleback								
Cottidae	*Cottus*	*bairdii*	Mottled Sculpin	150	41	63	94	42	47	129	156
Centrarchidae	*Ambloplites*	*rupestris*	Rock Bass								
	Lepomis	*cyanellus*	Green Sunfish	24	7	11	6	1	50	111	76
	Lepomis	*gibbosus*	Pumpkinseed								
	Lepomis	*macrochirus*	Bluegill								
	Lepomis	*megalotis*	Longear Sunfish								
	Lepomis	*microlophus*	Redear Sunfish								
	Micropterus	*dolomieu*	Smallmouth Bass			1		1			
	Micropterus	*punctulatus*	Spotted Bass							2	
	Micropterus	*salmoides*	Largemouth Bass								
Percidae	*Etheostoma*	*blennioides*	Greenside Darter								
	Etheostoma	*caeruleum*	Rainbow Darter		2		2				
	Etheostoma	*flabellare*	Fantail Darter	5	3	4	10	2	2	4	5
	Etheostoma	*nigrum*	Johnny Darter	3	1	19	11	13		8	12
	Etheostoma	*spectabile*	Orangethroat Darter	9	5	6	6	4	1	7	11
	Percina	*maculata*	Blackside Darter								
Hybrids	Bluegill/Green Sunfish								3		
	Pumkinseed/Green Sunfish								2		
	Bluegill/Pumpkinseed										
	Bluegill/Longear Sunfish										
	Longear Sunfish/Green Sunfish										

Fish community data used to calculated Index of Biotic Integrity scores in the Region of the Great Bend of the Wabash River watershed

Little Pine Creek

	6/23/2009	22-Jul-09	16-Sep-09	5-Nov-09	19-Mar-10	21-Jun-10	12-Aug-10	31-Oct-10
Watershed area	25	25	25	25	25	25	25	25
Total Individuals	115	285	388	128	30	107	270	99
Total species	18	23	19	20	10	11	23	16
#of Darters Madtoms Sculpin	-	-	-	-	-	-	-	-
# of darters	2	4	3	3	2	0	3	1
% Headwater species	-	-	-	-	-	-	-	-
# of sunfish	4	4	2	3	2	2	3	2
# of minnows sp	-	-	-	-	-	-	-	-
# of suckers	2	3	2	1	0	2	2	2
# of sensitive species	1	3	1	4	0	0	2	2
% of tolerance	58	63	59	13	40	57	59	53
% omnivores	37	43	26	7	0	35	27	15
%insectivorous	38	41	46	87	97	49	53	54
% Pioneer	-	-	-	-	-	-	-	-
% Carnivores	0	0	0	5	0	0	0	2
CPUE	87	183	244	156	15	85	176	67
% Simple Lithophilic	17	21	17	11	3	7	11	13
# of Delts (-indicate < 200 individual calc)	0	0	0	0	0	0	0	0
IBI								
Total species	5	5	5	5	3	3	5	5
#of Darters Madtoms Sculpin	-			-	-	-	-	-
# of darters	3	5	5	5	3	1	5	1
score for % headwater	-			-	-	-	-	-
# of sunfish	5	5	3	3	3	3	3	3
# of minnows sp	-			-	-	-	-	-
# of suckers	3	3	3	1	1	3	3	3
# of sensitive species	1	3	1	3	1	1	1	1
% of tolerance	1	1	1	5	3	1	1	1
% omnivores	3	3	3	3	1	3	3	5
%insectivorous	3	3	3	5	1	3	5	5
% Pioneer	-			-	-	-	-	-
% Carnivores	5	5	5	3	5	5	5	5
CPUE	1	3	3	3	1	1	3	1
% Simple Lithophilic	1	3	1	1	1	1	1	1
%DELTS	5	5	5	5	5	5	5	5
Total IBI	36	44	38	42	28	30	40	36
IBI Rating	Poor-Fair	Fair	Poor-Fair	Fair	Poor	Poor-Fair	Fair	Poor-Fair

Fish community data used to calculated Index of Biotic Integrity scores in the Region of the Great Bend of the Wabash River watershed

	Burnett Creek							
	6/11/2009	20-Jul-09	15-Sep-09	6-Nov-09	22-Mar-10	21-Jun-10	13-Aug-10	1-Nov-10
Watershed area	54	54	54	54	54	54	54	54
Total Individuals	196	473	613	752	523	413	609	298
Total species	18	17	17	19	11	21	23	19
#of Darters Madtoms Sculpin	-	-	-	-	-	-	-	-
# of darters	2	3	3	2	1	2	2	4
% Headwater species	-	-	-	-	-	-	-	-
# of sunfish	2	2	1	3	1	2	2	3
# of minnows sp	-	-	-	-	-	-	-	-
# of suckers	2	3	1	2	0	3	2	2
# of sensitive species	2	3	4	4	1	4	5	5
% of tolerance	34	41	35	0	58	25	48	34
% omnivores	3	5	4	0	12	9	21	11
%insectivorous	65	53	63	96	42	72	48	66
% Pioneer	-	-	-	-	-	-	-	-
% Carnivores	3	1	0	4	0	1	1	1
CPUE	145	304	620	25	312	302	352	297
% Simple Lithophilic	27	38	27	66	41	18	33	24
# of Delts (-indicate < 200 individual calc)	0	0	0	0	0	0	0	0
IBI								
Total species	5	5	5	5	3	5	5	5
#of Darters Madtoms Sculpin	-			-	-	-	-	-
# of darters	3	5	5	3	1	3	3	5
score for % headwater	-			-	-	-	-	-
# of sunfish	3	3	1	3	1	3	3	3
# of minnows sp	-			-	-	-	-	-
# of suckers	3	3	1	3	1	3	3	3
# of sensitive species	1	3	3	3	1	3	5	3
% of tolerance	3	3	3	5	1	3	3	3
% omnivores	5	5	5	5	5	5	5	5
%insectivorous	5	5	5	5	3	5	3	5
% Pioneer	-			-	-	-	-	-
% Carnivores	5	5	5	1	5	5	5	5
CPUE	3	5	5	1	5	5	5	3
% Simple Lithophilic	3	3	3	5	5	1	3	3
%DELTS	5	5	5	5	5	5	5	5
Total IBI	44	50	46	44	36	46	48	48
IBI Rating	Fair	Good	Fair-Good	Fair	Poor-Fair	Fair-Good	Good	Good

Fish community data used to calculated Index of Biotic Integrity scores in the Region of the Great Bend of the Wabash River watershed

	Kellerman Lea Ming Ditch							
	6/18/2009	22-Jul-09	18-Sep-09	5-Nov-09	20-Mar-10	18-Jun-10	11-Aug-10	30-Oct-10
Watershed area	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3
Total Individuals	37	69	143	98	22	88	138	39
Total species	11	16	20	15	14	14	14	14
#of Darters Madtoms Sculpin	-	-	-	-	-	-	-	-
# of darters	0	0	1	3	2	1	1	1
% Headwater species	-	-	-	-	-	-	-	-
# of sunfish	4	5	5	0	4	2	2	4
# of minnows sp	-	-	-	-	-	-	-	-
# of suckers	2	4	4	1	2	3	4	2
# of sensitive species	1	2	5	3	2	2	2	4
% of tolerance	35	22	76	23	32	41	55	10
% omnivores	19	19	50	7	9	34	45	0
%insectivorous	62	68	24	81	68	53	51	87
% Pioneer	-	-	-	-	-	-	-	-
% Carnivores	16	13	2	0	5	2	3	10
CPUE	40	55	121	153	11	50	117	37
% Simple Lithophilic	14	41	14	21	23	35	9	13
# of Delts (-indicate < 200 individual calc)	0	0	0	0	0	0	0	0
IBI								
Total species	3	5	5	5	3	3	3	3
#of Darters Madtoms Sculpin	-			-	-	-	-	-
# of darters	1	1	1	5	3	1	1	1
score for % headwater	-			-	-	-	-	-
# of sunfish	5	5	5	1	5	3	3	5
# of minnows sp	-			-	-	-	-	-
# of suckers	3	5	5	1	3	3	5	3
# of sensitive species	1	1	5	3	1	1	1	3
% of tolerance	3	5	1	5	3	3	1	5
% omnivores	1	5	1	3	1	3	3	1
%insectivorous	1	5	1	5	1	5	5	1
% Pioneer	-			-	-	-	-	-
% Carnivores	5	5	5	5	5	5	5	5
CPUE	1	1	1	3	1	1	1	1
% Simple Lithophilic	1	5	1	3	3	3	1	1
%DELTS	5	5	5	5	5	5	5	5
Total IBI	30	48	36	44	34	36	34	34
IBI Rating	Poor	Good	Poor-Fair	Fair	Poor-Fair	Poor-Fair	Poor-Fair	

Fish community data used to calculated Index of Biotic Integrity scores in the Region of the Great Bend of the Wabash River watershed

	Flint Creek							
	6/19/2009	22-Sep-09	21-Jul-09	5-Nov-09	20-Mar-10	18-Jun-10	11-Aug-10	31-Oct-10
Watershed area	29.8	29.8	29.8	29.8	29.8	29.8	29.8	29.8
Total Individuals	267	612	574	188	156	190	353	578
Total species	17	17	18	17	13	14	18	21
#of Darters Madtoms Sculpin	-	-	-	-	-	-	-	-
# of darters	4	4	4	3	4	4	4	5
% Headwater species	-	-	-	-	-	-	-	-
# of sunfish	2	1	1	2	1	1	2	1
# of minnows sp	-	-	-	-	-	-	-	-
# of suckers	2	1	1	1	1	1	2	2
# of sensitive species	5	4	6	2	3	4	5	6
% of tolerance	3	33	18	19	10	28	18	20
% omnivores	1	2	5	13	0	2	10	13
%insectivorous	48	40	27	87	63	44	40	33
% Pioneer	-	-	-	-	-	-	-	-
% Carnivores	1	3	0	0	0	0	0	1
CPUE	258	335	574	90	72	147	168	309
% Simple Lithophilic	25	44	24	55	40	41	23	14
# of Delts (-indicate < 200 individual calc)	0	0	0	0	-3	-3	3	3
IBI								
Total species	5	5	5	5	3	3	5	5
#of Darters Madtoms Sculpin	-			-	-	-	-	-
# of darters	5	5	5	5	5	5	5	5
score for % headwater	-			-	-	-	-	-
# of sunfish	3	1	1	3	1	1	3	1
# of minnows sp	-			-	-	-	-	-
# of suckers	3	1	1	1	1	1	3	3
# of sensitive species	5	3	5	1	3	3	5	5
% of tolerance	5	3	5	5	5	3	5	5
% omnivores	5	5	5	1	5	5	5	5
%insectivorous	3	3	3	5	5	3	3	3
% Pioneer	-			-	-	-	-	-
% Carnivores	5	5	5	5	5	5	5	5
CPUE	3	5	5	1	1	3	3	5
% Simple Lithophilic	3	5	3	5	5	5	3	1
%DELTS	5	5	5	5	1	1	3	3
Total IBI	50	46	48	42	40	38	48	46
IBI Rating	Good	Fair-Good	Good	Fair	Fair	Poor-Fair	Good	Fair-Good

Fish community data used to calculated Index of Biotic Integrity scores in the Region of the Great Bend of the Wabash River watershed

	East Branch Wea Creek							
	6/24/2009	18-Sep-09	21-Jul-09	4-Nov-09	22-Mar-10	18-Jun-10	12-Aug-10	31-Oct-10
Watershed area	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6
Total Individuals	209	401	340	207	120	117	693	350
Total species	19	20	16	15	12	16	20	18
#of Darters Madtoms Sculpin	-	-	-	-	-	-	-	-
# of darters	2	4	3	2	3	4	4	4
% Headwater species	-	-	-	-	-	-	-	-
# of sunfish	4	1	1	2	1	1	2	1
# of minnows sp	-	-	-	-	-	-	-	-
# of suckers	3	3	2	1	1	3	2	2
# of sensitive species	5	6	4	2	3	5	5	5
% of tolerance	22	36	32	26	28	36	53	29
% omnivores	12	12	20	25	3	10	34	8
%insectivorous	70	48	63	72	64	53	41	68
% Pioneer	-	-	-	-	-	-	-	-
% Carnivores	2	3	0	2	2	0	1	1
CPUE	156	255	315	72	70	66	339	109
% Simple Lithophilic	12	18	9	46	32	19	13	21
# of Delts (-indicate < 200 individual calc)	0	0	0	0	-1	-1	1	1
IBI								
Total species	5	5	5	5	3	5	5	5
#of Darters Madtoms Sculpin	-			-	-	-	-	-
# of darters	3	5	5	3	5	5	5	5
score for % headwater	-			-	-	-	-	-
# of sunfish	5	1	1	3	1	1	3	1
# of minnows sp	-			-	-	-	-	-
# of suckers	3	3	3	1	1	3	3	3
# of sensitive species	5	5	3	1	3	5	5	3
% of tolerance	5	3	3	3	3	3	1	3
% omnivores	5	5	5	1	5	5	3	5
%insectivorous	5	3	5	5	5	5	3	5
% Pioneer	-			-	-	-	-	-
% Carnivores	5	5	5	3	5	5	5	5
CPUE	3	3	5	1	1	1	5	1
% Simple Lithophilic	1	1	1	5	3	1	1	3
%DELTS	5	5	5	5	5	5	5	3
Total IBI	50	44	46	36	40	44	44	42
IBI Rating	Good	Fair	Fair-Good	Poor-Fair	Fair	Fair	Fair	Fair

Fish community data used to calculated Index of Biotic Integrity scores in the Region of the Great Bend of the Wabash River watershed

Indian Creek

	6/10/2009	16-Sep-09	20-Jul-09	6-Nov-09	19-Mar-10	21-Jun-10	11-Aug-10	31-Oct-10
Watershed area	25.2	25.2	25.2	25.2	25.2	25.2	25.2	25.2
Total Individuals	607	957	965	812	177	420	691	974
Total species	18	18	19	19	10	22	18	18
#of Darters Madtoms Sculpin	-	-	-	-	-	-	-	-
# of darters	2	2	3	3	2	2	2	3
% Headwater species	-	-	-	-	-	-	-	-
# of sunfish	2	2	2	2	1	3	2	1
# of minnows sp	-	-	-	-	-	-	-	-
# of suckers	3	3	3	2	0	2	2	2
# of sensitive species	3	3	4	3	1	3	4	4
% of tolerance	34	34	35	12	21	43	51	45
% omnivores	8	10	13	12	2	7	3	4
%insectivorous	26	26	25	86	74	53	34	38
% Pioneer	-	-	-	-	-	-	-	-
% Carnivores	0	0	0	2	0	0	0	1
CPUE	314	536	625	23	76	301	546	512
% Simple Lithophilic	21	20	19	43	20	40	33	21
# of Delts (-indicate < 200 individual calc)	0	0	0	0	0	0	0	0
IBI								
Total species	5	5	5	5	3	5	5	5
#of Darters Madtoms Sculpin	-			-	-	-	-	-
# of darters	3	3	5	5	3	3	3	5
score for % headwater	-			-	-	-	-	-
# of sunfish	3	3	3	3	1	3	3	1
# of minnows sp	-			-	-	-	-	-
# of suckers	3	3	3	3	1	3	3	3
# of sensitive species	3	3	3	3	1	3	3	3
% of tolerance	3	3	3	5	5	3	1	3
% omnivores	5	5	5	1	5	5	5	5
%insectivorous	3	3	3	5	5	5	3	3
% Pioneer	-			-	-	-	-	-
% Carnivores	5	5	5	1	5	5	5	5
CPUE	5	5	5	1	1	5	5	5
% Simple Lithophilic	3	3	1	5	3	3	3	3
%DELTS	5	5	5	5	5	5	5	5
Total IBI	46	46	46	42	38	48	44	46
IBI Rating	Fair-Good	Fair-Good	Fair-Good	Fair	Poor-Fair	Good	Fair	Fair-Good

Fish community data used to calculated Index of Biotic Integrity scores in the Region of the Great Bend of the Wabash River watershed

West Fork Kickapoo Creek

	6/23/2009	24-Sep-09	21-Jul-09	4-Nov-09	20-Mar-10	18-Jun-10	10-Aug-10	31-Oct-10
Watershed area	9.4	9.4	9.4	9.4	9.4	9.4	9.4	9.4
Total Individuals	583	523	233	475	270	276	662	967
Total species	11	13	10	13	14	12	13	12
#of Darters Madtoms Sculpin	4	4	5	2	4	3	4	4
# of darters	-	-	-	-	-	-	-	-
% Headwater species	38	42	44	1	38	31	41	43
# of sunfish	-	-	-	-	-	-	-	-
# of minnows sp	4	5	3	4	7	4	5	6
# of suckers	-	-	-	-	-	-	-	-
# of sensitive species	0	1	1	2	0	0	1	1
% of tolerance	41	60	60	27	53	57	57	52
% omnivores	8	7	7	22	11	5	4	5
%insectivorous	33	20	25	76	24	40	39	28
% Pioneer	55	51	48	23	51	62	55	54
% Carnivores	-	-	-	-	-	-	-	-
CPUE	296	270	170	27	129	253	353	499
% Simple Lithophilic	20	37	36	20	34	17	26	30
# of Delts (-indicate < 200 individual calc)	0	0	0	0	0	0	0	0
IBI								
Total species	3	5	3	3	5	3	3	3
#of Darters Madtoms Sculpin	5	5	5	3	5	3	5	5
# of darters	-	-		-	-	-	-	-
score for % headwater	5	5	5	1	5	3	5	5
# of sunfish	-	-		-	-	-	-	-
# of minnows sp	3	3	1	3	5	3	3	3
# of suckers	-	-		-	-	-	-	-
# of sensitive species	1	1	1	1	1	1	1	1
% of tolerance	3	1	1	3	1	1	1	1
% omnivores	5	5	5	1	5	5	5	5
%insectivorous	3	1	3	5	1	3	3	3
% Pioneer	1	1	3	1	1	1	1	1
% Carnivores	-			-	-	-	-	-
CPUE	3	3	3	1	3	3	5	5
% Simple Lithophilic	3	3	3	3	3	1	3	3
%DELTS	5	5	5	5	5	5	5	5
Total IBI	40	38	38	30	40	32	40	40
IBI Rating	Fair	Poor-Fair	Poor-Fair	Poor	Fair	Poor	Fair	Fair

Fish community data used to calculated Index of Biotic Integrity scores in the Region of the Great Bend of the Wabash River watershed

Kickapoo Creek

	6/16/2009	16-Sep-09	23-Jul-09	4-Nov-09	20-Mar-10	21-Jun-10	10-Aug-10	31-Oct-10
Watershed area	23.8	23.8	23.8	23.8	23.8	23.8	23.8	23.8
Total Individuals	70	-	236	67	63	59	112	546
Total species	12	-	18	11	12	9	11	19
#of Darters Madtoms Sculpin	-	-	-	-	-	-	-	-
# of darters	1	-	4	3	1	0	1	4
% Headwater species	-	-	-	-	-	-	-	-
# of sunfish	2	-	3	1	2	1	1	1
# of minnows sp	-	-	-	-	-	-	-	-
# of suckers	2	-	2	1	1	1	2	2
# of sensitive species	4	-	5	3	1	2	2	5
% of tolerance	81	-	67	19	41	80	77	73
% omnivores	20	-	10	10	6	3	6	10
%insectivorous	29	-	22	90	27	56	70	56
% Pioneer	-	-	-	-	-	-	-	-
% Carnivores	1	-	1	0	0	2	1	0
CPUE	85	-	301	164	31	52	102	400
% Simple Lithophilic	4	-	11	19	17	2	6	3
# of Delts (-indicate < 200 individual calc)	0	-	0	0	-2	-2	-2	2
IBI								
Total species	3	-	5	3	3	3	3	5
#of Darters Madtoms Sculpin	-			-	-	-	-	-
# of darters	1	-	5	5	1	1	1	5
score for % headwater	-			-	-	-	-	-
# of sunfish	3	-	3	1	3	1	1	1
# of minnows sp	-			-	-	-	-	-
# of suckers	3	-	3	1	1	1	3	3
# of sensitive species	3	-	5	3	1	1	1	3
% of tolerance	1	-	1	5	3	1	1	1
% omnivores	5	-	5	1	5	5	5	5
%insectivorous	3	-	1	5	3	5	5	5
% Pioneer	-			-	-	-	-	-
% Carnivores	5	-	5	5	5	5	5	5
CPUE	1	-	5	3	1	1	1	5
% Simple Lithophilic	1	-	1	1	1	1	1	1
%DELTS	5	-	5	5	3	3	3	3
Total IBI	34	-	44	38	30	28	30	42
IBI Rating	Poor-Fair		Fair	Poor-Fair	Poor	Poor	Poor	Fair

Fish community data used to calculated Index of Biotic Integrity scores in the Region of the Great Bend of the Wabash River watershed

Little Wea Creek

	6/18/2009	22-Sep-09	22-Jul-09	5-Nov-09	22-Mar-10	18-Jun-10	12-Aug-10	30-Oct-10
Watershed area	20	20	20	20	20	20	20	20
Total Individuals	163	264	257	218	181	80	263	302
Total species	16	15	16	18	13	13	18	20
#of Darters Madtoms Sculpin	6	6	6	3	6	4	6	7
# of darters	-	-	-	-	-	-	-	-
% Headwater species	23	50	29	4	53	16	19	19
# of sunfish	-	-	-	-	-	-	-	-
# of minnows sp	5	4	5	8	4	5	5	6
# of suckers	-	-	-	-	-	-	-	-
# of sensitive species	3	3	3	3	2	2	3	4
% of tolerance	36	18	32	12	50	26	39	26
% omnivores	21	3	16	11	25	11	27	14
%insectivorous	37	60	40	87	36	26	31	41
% Pioneer	58	30	39	22	28	51	33	52
% Carnivores	-	-	-	-	-	-	-	-
CPUE	190	186	206	83	164	66	164	187
% Simple Lithophilic	11	14	25	42	27	19	32	15
# of Delts (-indicate < 200 individual calc)	0	0	0	0	0	0	0	0
IBI								
Total species	5	5	5	5	3	3	5	5
#of Darters Madtoms Sculpin	5	5	5	3	5	5	5	5
# of darters	-	-		-	-	-	-	-
score for % headwater	3	5	3	1	5	1	1	1
# of sunfish	-	-		-	-	-	-	-
# of minnows sp	3	3	3	5	3	3	3	3
# of suckers	-	-		-	-	-	-	-
# of sensitive species	3	3	3	3	1	1	3	3
% of tolerance	3	5	3	5	1	3	3	3
% omnivores	5	5	5	1	5	5	3	5
%insectivorous	3	5	3	5	3	3	3	3
% Pioneer	1	3	3	1	3	1	3	1
% Carnivores	-			-	-	-	-	-
CPUE	3	3	3	1	3	1	3	3
% Simple Lithophilic	1	1	3	5	3	1	3	1
%DELTS	5	5	5	5	5	5	5	5
Total IBI	40	48	44	40	40	32	40	38
IBI Rating	Fair	Good	Fair	Fair	Fair	Poor	Fair	Poor-Fair

Fish community data used to calculated Index of Biotic Integrity scores in the Region of the Great Bend of the Wabash River watershed

	Elliot Ditch							
	6/10/2009	15-Sep-09	22-Jul-09	6-Nov-09	22-Mar-10	21-Jun-10	13-Aug-10	30-Oct-10
Watershed area	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7
Total Individuals	265	203	224	130	279	110	194	505
Total species	19	14	15	18	16	17	15	19
#of Darters Madtoms Sculpin	2	3	2	3	3	3	3	3
# of darters	-	-	-	-	-	-	-	-
% Headwater species	4	11	8	3	5	10	18	14
# of sunfish	-	-	-	-	-	-	-	-
# of minnows sp	11	8	8	8	10	9	7	8
# of suckers	-	-	-	-	-	-	-	-
# of sensitive species	3	2	2	3	3	3	3	5
% of tolerance	55	50	63	12	34	55	79	38
% omnivores	14	16	21	5	10	9	5	8
%insectivorous	61	32	33	75	62	67	39	41
% Pioneer	66	70	64	12	64	46	66	69
% Carnivores	-	-	-	-	-	-	-	-
CPUE	208	187	242	138	235	103	167	321
% Simple Lithophilic	24	21	32	18	20	19	25	23
# of Delts (-indicate < 200 individual calc)	0	0	0	0	0	0	0	0
IBI								
Total species	5	5	5	5	5	5	5	5
#of Darters Madtoms Sculpin	3	3	3	3	3	3	3	3
# of darters	-	-		-	-	-	-	-
score for % headwater	1	1	1	1	1	1	1	1
# of sunfish	-	-		-	-	-	-	-
# of minnows sp	5	5	5	5	5	5	5	5
# of suckers	-	-		-	-	-	-	-
# of sensitive species	3	1	1	3	3	3	3	3
% of tolerance	1	3	1	5	3	1	1	3
% omnivores	5	5	5	3	5	5	5	5
%insectivorous	5	3	3	5	5	5	3	3
% Pioneer	1	1	1	1	1	3	1	1
% Carnivores	-			-	-	-	-	-
CPUE	3	3	3	3	3	1	3	5
% Simple Lithophilic	3	3	3	1	1	1	3	3
%DELTS	5	5	5	5	5	5	5	5
Total IBI	40	38	36	40	40	38	38	42
IBI Rating	Fair	Poor-Fair	Poor-Fair	Fair	Fair	Poor-Fair	Poor-Fair	Fair

Macroinvertebrate species observed at monitoring sites in the Region of the Great Bend of the Wabash River watershed.

Macroinvertebrate Taxon			Monitoring Site/Sampling Event/Subsample number							
			Little Pine Creek							
Order	Family	Tolerance	23-Jun-09	20-Jul-09	13-Oct-09	16-Nov-09	21-Jun-10	12-Aug-10	16-Sep-10	13-Oct-10
Amphipoda	Gammaridae	4						4		17
Class: Gastropoda	Ancylidae	6								
	Physidae	8								2
Coleoptera	Dryopidae	5								
	Dytiscidae	5								
	Elmidae	4	1	14	2	22	3	18	11	15
	Gyrinidae	5								
	Haliplidae	7								
	Hydrophilidae	5								
	Lutrochidae	2.9								
	Psephenidae	4								
Collembola	Isotomidae	0								
Decapoda	Cambaridae	6								
Diptera	Ceratopogonidae	5.7								
	Culicidae	8								
	Dolichopodidae	4								
	Empididae	4.8						1	3	
	Psychodidae	10								
	Stratiomyidae	8								
	Chironomidae	6	51	22	4	48	4	48	53	44
	Simuliidae	6	1	1			1		2	
	Tabanidae	8						4		1
	Tipulidae	3			2	2				
Ephemeroptera	Ameletidae	2.1								
	Baetidae	4	14	61		4	10	11	21	4
	Caenidae	7						5	2	13
	Ephemerellidae	2.5								3
	Heptageniidae	4		8	2		7	6	7	23
	Isonychiidae	2								
	Leptohyphidae	4				12			4	
	Leptophlebiidae	2.5								2
Hemiptera	Belostomatidae	0								1
	Corixidae	9						19		8
	Gerridae	5						8		
	Pleidae	0								
	Veliidae	0					1	1		6
Lepidoptera	Crambidae	6								
Megaloptera	Corydalidae	0		1	1	1				
Odonata	Aeshnidae	3								
	Calopterygidae	5						2		2
	Coenagrionidae	6.1								3
	Gomphidae	1								
Plecoptera	Capniidae	1			1					
	Nemouridae	2								
	Perlidae	1								
	Perlodidae	2								
	Taeniopterygidae	2				4				
Trichoptera	Helicopsychidae	3								
	Hydropsychidae	4	3	97	3	10	29	21	16	2
	Hydroptilidae	4								
	Leptoceridae	4								1
	Limnephilidae	4								1
	Philopotamidae	3						2	1	
	Polycentropodidae	0								1
	Rhyacophilidae	0								
	Uenoidae	3								

Macroinvertebrate species observed at monitoring sites in the Region of the Great Bend of the Wabash River watershed.

Macroinvertebrate Taxon			Monitoring Site/Sampling Event/Subsample number							
			Little Wea Creek							
Order	Family	Tolerance	24-Jun-09	22-Jul-09	6-Oct-09	11-Nov-09	18-Jun-10	12-Aug-10	15-Sep-10	30-Oct-10
Amphipoda	Gammaridae	4						3		6
Class: Gastropoda	Ancylidae	6		7	12			3		3
	Physidae	8			1			17	32	52
Coleoptera	Dryopidae	5						1		
	Dytiscidae	5								2
	Elmidae	4	111	77	39	330		129	95	170
	Gyrinidae	5						2	1	2
	Haliplidae	7						1		3
	Hydrophilidae	5						3		2
	Lutrochidae	2.9				4				
	Psephenidae	4								
Collembola	Isotomidae	0		1				6		
Decapoda	Cambaridae	6		1				1		3
Diptera	Ceratopogonidae	5.7								
	Culicidae	8						1	4	
	Dolichopodidae	4								
	Empididae	4.8		9		3			3	
	Psychodidae	10								
	Stratiomyidae	8								
	Chironomidae	6	67	594	40	323	7	202	317	389
	Simuliidae	6	11	76	1	5		4	9	
	Tabanidae	8								4
	Tipulidae	3	1	7	1	78		4		7
Ephemeroptera	Ameletidae	2.1								
	Baetidae	4	14	189	6	34		67	31	14
	Caenidae	7	4		4	5		15	26	103
	Ephemerellidae	2.5								
	Heptageniidae	4		14	18	2		10	18	37
	Isonychiidae	2		6	1	6				
	Leptohyphidae	4		15	10	10	1	33	31	25
	Leptophlebiidae	2.5								
Hemiptera	Belostomatidae	0								2
	Corixidae	9						5		2
	Gerridae	5								
	Pleidae	0								
	Veliidae	0							3	
Lepidoptera	Crambidae	6								
Megaloptera	Corydalidae	0				2				
Odonata	Aeshnidae	3								
	Calopterygidae	5						15	7	10
	Coenagrionidae	6.1						7		10
	Gomphidae	1								
Plecoptera	Capniidae	1				20				
	Nemouridae	2								
	Perlidae	1								
	Perlodidae	2								
	Taeniopterygidae	2								
Trichoptera	Helicopsychidae	3	1		1	6		4	1	13
	Hydropsychidae	4	113	222	21	1051	6	2	6	19
	Hydroptilidae	4	1	12		30		5	5	14
	Leptoceridae	4						14	2	4
	Limnephilidae	4								
	Philopotamidae	3				4				
	Polycentropodidae	0								
	Rhyacophilidae	0								
	Uenoidae	3								

Macroinvertebrate species observed at monitoring sites in the Region of the Great Bend of the Wabash River watershed.

Macroinvertebrate Taxon			Monitoring Site/Sampling Event/Subsample number							
			Elliot Ditch							
Order	Family	Tolerance	19-Jun-09	22-Jul-09	14-Oct-09	12-Nov-09	21-Jun-10	13-Aug-10	16-Sep-10	30-Oct-10
Amphipoda	Gammaridae	4								
Class: Gastropoda	Ancylidae	6			1					3
	Physidae	8								
Coleoptera	Dryopidae	5								
	Dytiscidae	5								
	Elmidae	4			3	2				1
	Gyrinidae	5								
	Haliplidae	7								
	Hydrophilidae	5								
	Lutrochidae	2.9								
	Psephenidae	4								
Collembola	Isotomidae	0								
Decapoda	Cambaridae	6								
Diptera	Ceratopogonidae	5.7								
	Culicidae	8						1		
	Dolichopodidae	4								
	Empididae	4.8		18				5	2	2
	Psychodidae	10								1
	Stratiomyidae	8								
	Chironomidae	6	99	172	2	3	14	60	75	94
	Simuliidae	6	6	10			65	20	34	
	Tabanidae	8								
	Tipulidae	3		2	1			5	1	
Ephemeroptera	Ameletidae	2.1								
	Baetidae	4	45	662			82	208	61	3
	Caenidae	7		1						
	Ephemerellidae	2.5								
	Heptageniidae	4								1
	Isonychiidae	2								
	Leptohyphidae	4						2		
	Leptophlebiidae	2.5								
Hemiptera	Belostomatidae	0								
	Corixidae	9								
	Gerridae	5								
	Pleidae	0								
	Veliidae	0								
Lepidoptera	Crambidae	6								
Megaloptera	Corydalidae	0								
Odonata	Aeshnidae	3						1		
	Calopterygidae	5		1				6	1	7
	Coenagrionidae	6.1								
	Gomphidae	1								
Plecoptera	Capniidae	1								
	Nemouridae	2								
	Perlidae	1								
	Perlodidae	2								
	Taeniopterygidae	2								
Trichoptera	Helicopsychidae	3								
	Hydropsychidae	4	24	26	70	36	75	80	73	118
	Hydroptilidae	4		19						
	Leptoceridae	4								
	Limnephilidae	4								
	Philopotamidae	3						1		
	Polycentropodidae	0								
	Rhyacophilidae	0								
	Uenoidae	3								

Macroinvertebrate species observed at monitoring sites in the Region of the Great Bend of the Wabash River watershed.

Macroinvertebrate Taxon			Monitoring Site/Sampling Event/Subsample number							
			Burnett Creek							
Order	Family	Tolerance	24-Jun-09	20-Jul-09	14-Oct-09	12-Nov-09	21-Jun-10	13-Aug-10	15-Sep-10	1-Nov-10
Amphipoda	Gammaridae	4						13		
Class: Gastropoda	Ancylidae	6								4
	Physidae	8							4	13
Coleoptera	Dryopidae	5								
	Dytiscidae	5		1				1	1	
	Elmidae	4		3	3	4	1	11	6	1
	Gyrinidae	5								2
	Haliplidae	7								
	Hydrophilidae	5						1		
	Lutrochidae	2.9								
	Psephenidae	4								
Collembola	Isotomidae	0		1						2
Decapoda	Cambaridae	6								
Diptera	Ceratopogonidae	5.7								3
	Culicidae	8						3		
	Dolichopodidae	4								
	Empididae	4.8		22	2	3	75	1	4	2
	Psychodidae	10								
	Stratiomyidae	8								
	Chironomidae	6	96	312	61	76	362	309	481	931
	Simuliidae	6	5	73	112	17	64		22	
	Tabanidae	8								
	Tipulidae	3			3	12			2	1
Ephemeroptera	Ameletidae	2.1								
	Baetidae	4	11	171	118	1	39	24	46	17
	Caenidae	7					1	9	2	3
	Ephemerellidae	2.5								1
	Heptageniidae	4					1	2	4	9
	Isonychiidae	2								
	Leptohyphidae	4						7	1	3
	Leptophlebiidae	2.5								
Hemiptera	Belostomatidae	0								
	Corixidae	9							2	6
	Gerridae	5								
	Pleidae	0						2		
	Veliidae	0								
Lepidoptera	Crambidae	6								
Megaloptera	Corydalidae	0								
Odonata	Aeshnidae	3						1		
	Calopterygidae	5						25		11
	Coenagrionidae	6.1								1
	Gomphidae	1								
Plecoptera	Capniidae	1								
	Nemouridae	2				1				2
	Perlidae	1								
	Perlodidae	2				1				
	Taeniopterygidae	2								
Trichoptera	Helicopsychidae	3								
	Hydropsychidae	4	1	109	783	169	129	6	38	8
	Hydroptilidae	4				2				2
	Leptoceridae	4								
	Limnephilidae	4								
	Philopotamidae	3		5	5	13				1
	Polycentropodidae	0								
	Rhyacophilidae	0								
	Uenoidae	3								

Macroinvertebrate species observed at monitoring sites in the Region of the Great Bend of the Wabash River watershed.

Macroinvertebrate Taxon			Monitoring Site/Sampling Event/Subsample number							
			Kellerman Lea Ming Ditch							
Order	Family	Tolerance	24-Jun-09	22-Jul-09	13-Oct-09	11-Nov-09	18-Jun-10	11-Aug-10	15-Sep-10	30-Oct-10
Amphipoda	Gammaridae	4								
Class: Gastropoda	Ancylidae	6						4		3
	Physidae	8						3	4	6
Coleoptera	Dryopidae	5								
	Dytiscidae	5				1				
	Elmidae	4		1	3	1	1	5	8	4
	Gyrinidae	5								
	Haliplidae	7								
	Hydrophilidae	5						2		
	Lutrochidae	2.9								
	Psephenidae	4								
Collembola	Isotomidae	0						10	3	
Decapoda	Cambaridae	6						1		
Diptera	Ceratopogonidae	5.7								
	Culicidae	8								
	Dolichopodidae	4								
	Empididae	4.8								
	Psychodidae	10								
	Stratiomyidae	8						1		
	Chironomidae	6	27	173	51	59	216	518	418	454
	Simuliidae	6	2							1
	Tabanidae	8								
	Tipulidae	3								
Ephemeroptera	Ameletidae	2.1		35						
	Baetidae	4		12			15			4
	Caenidae	7								
	Ephemerellidae	2.5		2						
	Heptageniidae	4								
	Isonychiidae	2								
	Leptohyphidae	4								
	Leptophlebiidae	2.5								
Hemiptera	Belostomatidae	0								1
	Corixidae	9								4
	Gerridae	5						1		1
	Pleidae	0								
	Veliidae	0						3		
Lepidoptera	Crambidae	6								
Megaloptera	Corydalidae	0		4	5	1				
Odonata	Aeshnidae	3								2
	Calopterygidae	5						5	1	2
	Coenagrionidae	6.1						8	18	28
	Gomphidae	1						1		
Plecoptera	Capniidae	1								
	Nemouridae	2								
	Perlidae	1								
	Perlodidae	2								
	Taeniopterygidae	2				1				
Trichoptera	Helicopsychidae	3								
	Hydropsychidae	4		38	2	6	6			
	Hydroptilidae	4			10			33	28	10
	Leptoceridae	4								
	Limnephilidae	4								
	Philopotamidae	3								
	Polycentropodidae	0								
	Rhyacophilidae	0		1						
	Uenoidae	3								

Macroinvertebrate species observed at monitoring sites in the Region of the Great Bend of the Wabash River watershed.

Macroinvertebrate Taxon			Monitoring Site/Sampling Event/Subsample number							
			Kickapoo Creek							
Order	Family	Tolerance	23-Jun-09	23-Jul-09	)/15/2009 - 10/25/200	12-Nov-09	21-Jun-10	10-Aug-10	16-Sep-10	31-Oct-10
Amphipoda	Gammaridae	4								
Class: Gastropoda	Ancylidae	6								2
	Physidae	8								
Coleoptera	Dryopidae	5								
	Dytiscidae	5								
	Elmidae	4		1				35	38	25
	Gyrinidae	5								
	Haliplidae	7								
	Hydrophilidae	5								
	Lutrochidae	2.9								
	Psephenidae	4								
Collembola	Isotomidae	0								
Decapoda	Cambaridae	6		1						
Diptera	Ceratopogonidae	5.7								
	Culicidae	8								1
	Dolichopodidae	4								
	Empididae	4.8						11		
	Psychodidae	10								
	Stratiomyidae	8								
	Chironomidae	6	6	28		6	4	67	52	67
	Simuliidae	6	47	3		2	8	4	3	
	Tabanidae	8								
	Tipulidae	3				2		3	4	8
Ephemeroptera	Ameletidae	2.1								
	Baetidae	4	8	5			31	72	36	4
	Caenidae	7					1	1	3	
	Ephemerellidae	2.5								
	Heptageniidae	4	20	13			11	32	24	20
	Isonychiidae	2					6	13	16	11
	Leptohyphidae	4	3	3		3		8	4	8
	Leptophlebiidae	2.5								
Hemiptera	Belostomatidae	0								
	Corixidae	9								
	Gerridae	5								
	Pleidae	0								
	Veliidae	0							3	
Lepidoptera	Crambidae	6								
Megaloptera	Corydalidae	0								
Odonata	Aeshnidae	3								
	Calopterygidae	5		1				3		3
	Coenagrionidae	6.1								
	Gomphidae	1								
Plecoptera	Capniidae	1								14
	Nemouridae	2								
	Perlidae	1								
	Perlodidae	2								
	Taeniopterygidae	2				39				
Trichoptera	Helicopsychidae	3								
	Hydropsychidae	4	17	3		5	23	71	43	22
	Hydroptilidae	4								
	Leptoceridae	4								
	Limnephilidae	4								
	Philopotamidae	3					1	2	1	2
	Polycentropodidae	0								
	Rhyacophilidae	0								
	Uenoidae	3								2

Macroinvertebrate species observed at monitoring sites in the Region of the Great Bend of the Wabash River watershed.

Macroinvertebrate Taxon			Monitoring Site/Sampling Event/Subsample number							
			East Branch Wea Creek							
Order	Family	Tolerance	24-Jun-09	21-Jul-09	14-Oct-09	11-Nov-09	18-Jun-10	12-Aug-10	15-Sep-10	30-Oct-10
Amphipoda	Gammaridae	4								
Class: Gastropoda	Ancylidae	6								
	Physidae	8							4	3
Coleoptera	Dryopidae	5						1		
	Dytiscidae	5								
	Elmidae	4	13	31	61	29	9	422	235	104
	Gyrinidae	5								
	Haliplidae	7								
	Hydrophilidae	5		2				2	3	
	Lutrochidae	2.9								
	Psephenidae	4								
Collembola	Isotomidae	0						1	1	
Decapoda	Cambaridae	6						2		
Diptera	Ceratopogonidae	5.7								5
	Culicidae	8				1				
	Dolichopodidae	4								
	Empididae	4.8		1				14	6	
	Psychodidae	10								
	Stratiomyidae	8								
	Chironomidae	6	2	54	9	41	7	287	326	475
	Simuliidae	6	5	48			3	12	4	
	Tabanidae	8						9		2
	Tipulidae	3		9	4	1	2	18	19	20
Ephemeroptera	Ameletidae	2.1								
	Baetidae	4	13	461	15	6	26	209	168	5
	Caenidae	7			1	1		23	7	13
	Ephemerellidae	2.5								
	Heptageniidae	4	1		32	1	8	64	24	8
	Isonychiidae	2		7				63	12	8
	Leptohyphidae	4						18	11	1
	Leptophlebiidae	2.5								
Hemiptera	Belostomatidae	0								
	Corixidae	9								
	Gerridae	5								
	Pleidae	0								
	Veliidae	0						1		
Lepidoptera	Crambidae	6								
Megaloptera	Corydalidae	0						3		
Odonata	Aeshnidae	3								
	Calopterygidae	5						6	8	2
	Coenagrionidae	6.1								1
	Gomphidae	1								
Plecoptera	Capniidae	1				31			3	5
	Nemouridae	2								
	Perlidae	1								
	Perlodidae	2			1					
	Taeniopterygidae	2								
Trichoptera	Helicopsychidae	3				2				
	Hydropsychidae	4	23	410	19	2	36	334	271	101
	Hydroptilidae	4		2				1		2
	Leptoceridae	4								
	Limnephilidae	4								
	Philopotamidae	3			1			12	4	8
	Polycentropodidae	0		2						
	Rhyacophilidae	0								
	Uenoidae	3								1

Macroinvertebrate species observed at monitoring sites in the Region of the Great Bend of the Wabash River watershed.

Macroinvertebrate Taxon			Monitoring Site/Sampling Event/Subsample number							
			West Fork Kickapoo							
Order	Family	Tolerance	23-Jun-09	21-Jul-09	5-Oct-09	12-Nov-09	18-Jun-10	10-Aug-10	9/16/1010	31-Oct-10
Amphipoda	Gammaridae	4								
Class: Gastropoda	Ancylidae	6								2
	Physidae	8								18
Coleoptera	Dryopidae	5						1		
	Dytiscidae	5						2		
	Elmidae	4	5		1	17	2	26	32	39
	Gyrinidae	5								
	Haliplidae	7								
	Hydrophilidae	5								
	Lutrochidae	2.9								
	Psephenidae	4								
Collembola	Isotomidae	0						3		1
Decapoda	Cambaridae	6								
Diptera	Ceratopogonidae	5.7						3		
	Culicidae	8							2	
	Dolichopodidae	4								
	Empididae	4.8						16		2
	Psychodidae	10								
	Stratiomyidae	8								
	Chironomidae	6	45	24	2	7	49	783	341	66
	Simuliidae	6	14	7			2	24	5	1
	Tabanidae	8					5	19	7	2
	Tipulidae	3	39	1	24	36	4	119	8	35
Ephemeroptera	Ameletidae	2.1								
	Baetidae	4	53	24	3	13	87	106	46	4
	Caenidae	7								2
	Ephemerellidae	2.5								
	Heptageniidae	4	1	5	1		4	31	27	4
	Isonychiidae	2			1			37	39	77
	Leptohyphidae	4				11		70	42	57
	Leptophlebiidae	2.5								
Hemiptera	Belostomatidae	0								
	Corixidae	9							2	
	Gerridae	5						1	1	
	Pleidae	0								
	Veliidae	0						2		
Lepidoptera	Crambidae	6								
Megaloptera	Corydalidae	0						2		
Odonata	Aeshnidae	3						1		
	Calopterygidae	5						7	1	6
	Coenagrionidae	6.1								
	Gomphidae	1						1		
Plecoptera	Capniidae	1								
	Nemouridae	2								
	Perlidae	1								
	Perlodidae	2								
	Taeniopterygidae	2				1				
Trichoptera	Helicopsychidae	3								3
	Hydropsychidae	4	105	3	19	74	14	292	84	69
	Hydroptilidae	4	21				1	5	4	
	Leptoceridae	4								
	Limnephilidae	4								
	Philopotamidae	3	1				1	7	3	5
	Polycentropodidae	0								
	Rhyacophilidae	0								
	Uenoidae	3								8

Macroinvertebrate species observed at monitoring sites in the Region of the Great Bend of the Wabash River watershed.

Macroinvertebrate Taxon			Monitoring Site/Sampling Event/Subsample number							
			Flint Creek							
Order	Family	Tolerance	24-Jun-09	21-Jul-09	13-Oct-09	11-Nov-09	18-Jun-10	11-Aug-10	15-Sep-10	31-Oct-10
Amphipoda	Gammaridae	4								
Class: Gastropoda	Ancylidae	6								
	Physidae	8				4			8	10
Coleoptera	Dryopidae	5								1
	Dytiscidae	5						1		
	Elmidae	4	4	4	12	3	2	56	39	42
	Gyrinidae	5								
	Haliplidae	7					1			
	Hydrophilidae	5								
	Lutrochidae	2.9								
	Psephenidae	4			1	1		2	4	9
Collembola	Isotomidae	0		1					1	2
Decapoda	Cambaridae	6								1
Diptera	Ceratopogonidae	5.7				1				3
	Culicidae	8								1
	Dolichopodidae	4								
	Empididae	4.8		3	2		1	3	3	
	Psychodidae	10								
	Stratiomyidae	8								
	Chironomidae	6	22	105	42	57	25	287	183	113
	Simuliidae	6	15	195	1		36	4	3	
	Tabanidae	8						5		1
	Tipulidae	3	2	2	1	4	4	15	9	12
Ephemeroptera	Ameletidae	2.1								
	Baetidae	4	45	356	32		161	285	187	48
	Caenidae	7				4		8	26	33
	Ephemerellidae	2.5								
	Heptageniidae	4	10	6	65	36	5	54	116	120
	Isonychiidae	2			36		8	57	42	351
	Leptohyphidae	4		10	1			5		3
	Leptophlebiidae	2.5								
Hemiptera	Belostomatidae	0								
	Corixidae	9								
	Gerridae	5								
	Pleidae	0								
	Veliidae	0			2			4		2
Lepidoptera	Crambidae	6								
Megaloptera	Corydalidae	0								1
Odonata	Aeshnidae	3								
	Calopterygidae	5						4	2	
	Coenagrionidae	6.1								1
	Gomphidae	1						1		
Plecoptera	Capniidae	1				37			11	214
	Nemouridae	2								
	Perlidae	1								
	Perlodidae	2								
	Taeniopterygidae	2								
Trichoptera	Helicopsychidae	3			1					3
	Hydropsychidae	4	43	304	331	10	107	322	372	339
	Hydroptilidae	4	2	6			3	2		
	Leptoceridae	4								
	Limnephilidae	4								2
	Philopotamidae	3	1	13	106			93	55	70
	Polycentropodidae	0								
	Rhyacophilidae	0								
	Uenoidae	3								

Macroinvertebrate species observed at monitoring sites in the Region of the Great Bend of the Wabash River watershed.

Macroinvertebrate Taxon			Monitoring Site/Sampling Event/Subsample number							
			Indian Creek							
Order	Family	Tolerance	25-Jun-09	20-Jul-09	13-Oct-09	12-Nov-09	21-Jun-10	11-Aug-10	16-Sep-10	31-Oct-10
Amphipoda	Gammaridae	4								
Class: Gastropoda	Ancylidae	6								4
	Physidae	8								18
Coleoptera	Dryopidae	5								
	Dytiscidae	5								
	Elmidae	4	21	1	3	5	2	30	43	87
	Gyrinidae	5								
	Haliplidae	7						1		
	Hydrophilidae	5						1		
	Lutrochidae	2.9						7		
	Psephenidae	4								
Collembola	Isotomidae	0						1		
Decapoda	Cambaridae	6								
Diptera	Ceratopogonidae	5.7				4	1	1		26
	Culicidae	8						4		
	Dolichopodidae	4								1
	Empididae	4.8		1	1	11	3	3	2	8
	Psychodidae	10								
	Stratiomyidae	8								
	Chironomidae	6	210	59	197	16	146	862	542	1734
	Simuliidae	6	8	578	36	8	26	2	12	1
	Tabanidae	8				7		2		
	Tipulidae	3		3	9	7	2	16	18	8
Ephemeroptera	Ameletidae	2.1								
	Baetidae	4	79	117	24	14	67	256	95	49
	Caenidae	7			8	21	4	3	85	188
	Ephemerellidae	2.5								
	Heptageniidae	4			1	3	1	2	68	38
	Isonychiidae	2		4	1			2	8	41
	Leptohyphidae	4	1		17	1	6	79	21	91
	Leptophlebiidae	2.5								
Hemiptera	Belostomatidae	0						1		
	Corixidae	9							3	18
	Gerridae	5						2		
	Pleidae	0								
	Veliidae	0						7	3	
Lepidoptera	Crambidae	6			1					
Megaloptera	Corydalidae	0								
Odonata	Aeshnidae	3								
	Calopterygidae	5						80	5	1
	Coenagrionidae	6.1								
	Gomphidae	1						1		
Plecoptera	Capniidae	1				2				25
	Nemouridae	2								
	Perlidae	1					1			
	Perlodidae	2								
	Taeniopterygidae	2								
Trichoptera	Helicopsychidae	3				2			1	18
	Hydropsychidae	4	66	139	92	7	66	232	352	532
	Hydroptilidae	4	27					3	9	8
	Leptoceridae	4								
	Limnephilidae	4								
	Philopotamidae	3		1	1		3	2	14	31
	Polycentropodidae	0			1			1		
	Rhyacophilidae	0								
	Uenoidae	3								

Benthic macroinvertebate data used for macroinvertebrate Index of Biotic Integrity calculation in the Region of the Great Bend of the Wabash River watershed.

	Little Pine Creek								
	23-Jun-09	20-Jul-09	13-Oct-09	16-Nov-09	21-Jun-10	12-Aug-10	16-Sep-10	13-Oct-10	Mean
Hilsenhoff Biotic Index	5.49	4.21	3.93	4.80	4.11	5.51	4.98	4.99	4.75
Number of Taxa	5	7	7	8	7	14	10	19	9.63
Number of Individuals	70	204	15	103	55	150	120	149	108.25
Percent Dominance	97	88	60	80	84	59	75	56	74.83
Number EPT Taxa	2	3	3	4	3	5	6	9	4.38
Number EPT Individuals	17	166	6	30	46	45	51	50	51.38
EPT:Total	24	81	40	29	84	30	43	34	45.56
EPT:Chrironomid	0.33	7.55	1.50	0.63	11.50	0.94	0.96	1.14	3.07
Chironomidae count	51	22	4	48	4	48	53	44	34.25
									Mean
Hilsenhoff Biotic Index	2	6	8	4	6	2	4	4	5
Number of Taxa	0	0	0	2	0	4	2	8	2
Number of Individuals	0	4	0	2	0	4	2	4	2
Percent Dominance	0	0	2	0	0	2	0	2	1
Number EPT Taxa	0	2	2	4	2	4	6	8	4
Number EPT Individuals	0	6	0	2	4	4	4	4	3
EPT:Total	2	8	4	4	8	4	4	4	5
EPT:Chrironomid	0	6	2	0	6	2	2	2	3
Chironomidae count	4	4	8	4	8	4	4	4	5
Total:Individual Squares	2	6	0	4	2	4	4	4	3
mIBI	1.00	4.20	2.60	2.60	3.60	3.40	3.20	4.40	3.13
mIBI Rating	severe	slight	moderate	moderate	moderate	moderate	moderate	slight	moderate

Benthic macroinvertebate data used for macroinvertebrate Index of Biotic Integrity calculation in the Region of the Great Bend of the Wabash River watershed.

	Little Wea Creek								
	24-Jun-09	22-Jul-09	6-Oct-09	11-Nov-09	18-Jun-10	12-Aug-10	15-Sep-10	30-Oct-10	Mean
Hilsenhoff Biotic Index	4.51	5.09	4.76	4.26	5.00	5.03	5.47	5.51	4.95
Number of Taxa	9	14	13	17	3	25	17	24	15.25
Number of Individuals	323	1230	155	1913	14	554	591	896	709.50
Percent Dominance	90	82	65	89	100	72	75	74	80.78
Number EPT Taxa	5	6	7	10	2	8	8	8	6.75
Number EPT Individuals	133	458	61	1168	7	150	120	229	290.75
EPT:Total	41	37	39	61	50	27	20	26	37.72
EPT:Chrironomid	1.99	0.77	1.53	3.62	1.00	0.74	0.38	0.59	1.33
Chironomidae count	67	594	40	323	7	202	317	389	242.38
									Mean
Hilsenhoff Biotic Index	6	2	4	6	4	4	2	2	4
Number of Taxa	2	4	4	6	0	8	6	8	5
Number of Individuals	6	8	4	8	0	8	8	8	6
Percent Dominance	0	0	0	0	0	0	0	0	0
Number EPT Taxa	4	6	6	8	0	8	8	8	6
Number EPT Individuals	6	8	4	8	0	6	6	8	6
EPT:Total	4	4	4	6	6	2	2	2	4
EPT:Chrironomid	2	0	2	4	2	0	0	0	1
Chironomidae count	2	0	4	0	6	0	0	0	2
Total:Individual Squares	6	8	4	8	0	8	8	8	6
mIBI	3.80	4.00	3.60	5.40	1.80	4.40	4.00	4.40	3.93
mIBI Rating	moderate	moderate	moderate	slight	severe	slight	moderate	slight	moderate

Benthic macroinvertebate data used for macroinvertebrate Index of Biotic Integrity calculation in the Region of the Great Bend of the Wabash River watershed.

	Elliot Ditch								
	19-Jun-09	22-Jul-09	14-Oct-09	12-Nov-09	21-Jun-10	13-Aug-10	16-Sep-10	30-Oct-10	Mean
Hilsenhoff Biotic Index	5.21	4.42	4.06	4.15	4.67	4.43	4.89	4.91	4.59
Number of Taxa	4	9	5	3	4	11	7	9	6.50
Number of Individuals	174	911	77	41	236	389	247	230	288.13
Percent Dominance	97	94	97	100	94	89	85	95	93.96
Number EPT Taxa	2	4	1	1	2	4	2	3	2.38
Number EPT Individuals	69	708	70	36	157	291	134	122	198.38
EPT:Total	40	78	91	88	67	75	54	53	68.09
EPT:Chrironomid	0.70	4.12	35.00	12.00	11.21	4.85	1.79	1.30	8.87
Chironomidae count	99	172	2	3	14	60	75	94	64.88
									Mean
Hilsenhoff Biotic Index	2	6	8	6	4	6	4	4	5
Number of Taxa	0	2	0	0	0	4	0	2	1
Number of Individuals	4	8	0	0	6	8	6	6	5
Percent Dominance	0	0	0	0	0	0	0	0	0
Number EPT Taxa	0	4	0	0	0	4	0	2	1
Number EPT Individuals	4	8	4	2	6	8	6	6	6
EPT:Total	4	8	8	8	6	8	6	6	7
EPT:Chrironomid	0	4	8	8	6	4	2	2	4
Chironomidae count	2	0	8	8	6	2	2	2	4
Total:Individual Squares	6	8	4	2	6	6	6	6	6
mIBI	2.20	4.80	4.00	3.40	4.00	5.00	3.20	3.60	3.78
mIBI Rating	moderate	slight	moderate	moderate	moderate	slight	moderate	moderate	moderate

Benthic macroinvertebate data used for macroinvertebrate Index of Biotic Integrity calculation in the Region of the Great Bend of the Wabash River watershed.

	Burnett Creek								
	24-Jun-09	20-Jul-09	14-Oct-09	12-Nov-09	21-Jun-10	13-Aug-10	15-Sep-10	1-Nov-10	Mean
Hilsenhoff Biotic Index	5.79	5.12	4.31	4.53	5.36	5.63	5.70	5.92	5.30
Number of Taxa	4	9	8	11	8	15	13	21	11.13
Number of Individuals	113	697	1087	299	672	415	613	1023	614.88
Percent Dominance	99	85	93	88	84	86	92	94	90.18
Number EPT Taxa	2	3	3	6	4	5	5	9	4.63
Number EPT Individuals	12	285	906	187	170	48	91	46	218.13
EPT:Total	11	41	83	63	25	12	15	4	31.70
EPT:Chrironomid	0.13	0.91	14.85	2.46	0.47	0.16	0.19	0.05	2.40
Chironomidae count	96	312	61	76	362	309	481	931	328.50
									Mean
Hilsenhoff Biotic Index	0	2	6	6	2	2	0	0	2
Number of Taxa	0	2	2	4	2	6	4	8	4
Number of Individuals	2	8	8	6	8	8	8	8	7
Percent Dominance	0	0	0	0	0	0	0	0	0
Number EPT Taxa	0	2	2	6	4	4	4	8	4
Number EPT Individuals	0	8	8	6	6	4	4	4	5
EPT:Total	0	4	8	6	2	0	2	0	3
EPT:Chrironomid	0	2	8	2	0	0	0	0	2
Chironomidae count	2	0	2	2	0	0	0	0	1
Total:Individual Squares	4	8	8	6	8	8	8	8	7
mIBI	0.80	3.60	5.20	4.40	3.20	3.20	3.00	3.60	3.38
mIBI Rating	severe	moderate	slight	slight	moderate	moderate	moderate	moderate	moderate

Benthic macroinvertebate data used for macroinvertebrate Index of Biotic Integrity calculation in the Region of the Great Bend of the Wabash River watershed.

	Kellerman Lea Ming Ditch								
	24-Jun-09	22-Jul-09	13-Oct-09	11-Nov-09	18-Jun-10	11-Aug-10	15-Sep-10	30-Oct-10	Mean
Hilsenhoff Biotic Index	6.00	4.96	5.15	5.64	5.82	5.73	5.83	5.95	5.64
Number of Taxa	2	8	5	6	4	14	7	13	7.38
Number of Individuals	29	266	71	69	238	595	480	520	283.50
Percent Dominance	100	92	93	96	100	94	97	95	95.78
Number EPT Taxa	0	5	2	2	2	1	1	2	1.88
Number EPT Individuals	0	88	12	7	21	33	28	14	25.38
EPT:Total	0	33	17	10	9	6	6	3	10.38
EPT:Chrironomid	0.00	0.51	0.24	0.12	0.10	0.06	0.07	0.03	0.14
Chironomidae count	27	173	51	59	216	518	418	454	239.50
									Mean
Hilsenhoff Biotic Index	0	4	2	0	0	0	0	0	1
Number of Taxa	0	2	0	0	0	4	0	4	1
Number of Individuals	0	6	0	0	6	8	8	8	5
Percent Dominance	0	0	0	0	0	0	0	0	0
Number EPT Taxa	0	4	0	0	0	0	0	0	1
Number EPT Individuals	0	4	0	0	2	2	2	0	1
EPT:Total	0	4	2	0	0	0	0	0	1
EPT:Chrironomid	0	0	0	0	0	0	0	0	0
Chironomidae count	4	0	4	2	0	0	0	0	1
Total:Individual Squares	0	6	2	2	6	8	8	8	5
mIBI	0.40	3.00	1.00	0.40	1.40	2.20	1.80	2.00	1.53
mIBI Rating	severe	moderate	severe	severe	severe	moderate	severe	severe	severe

Benthic macroinvertebate data used for macroinvertebrate Index of Biotic Integrity calculation in the Region of the Great Bend of the Wabash River watershed.

	Kickapoo Creek								
	23-Jun-09	23-Jul-09	9/15/2009 - 10/25/2009	12-Nov-09	21-Jun-10	10-Aug-10	16-Sep-10	31-Oct-10	Mean
Hilsenhoff Biotic Index	5.05	5.12		2.88	4.16	4.39	4.31	4.37	4.33
Number of Taxa	6	9		6	8	13	12	14	9.71
Number of Individuals	101	58		57	85	322	227	189	148.43
Percent Dominance	83	79		88	76	65	59	60	72.97
Number EPT Taxa	4	4		3	6	7	7	8	5.57
Number EPT Individuals	48	24		47	73	199	127	83	85.86
EPT:Total	48	41		82	86	62	56	44	59.84
EPT:Chrironomid	8.00	0.86		7.83	18.25	2.97	2.44	1.24	5.94
Chironomidae count	6	28		6	4	67	52	67	32.86
									Mean
Hilsenhoff Biotic Index	4	2		8	6	6	6	6	5
Number of Taxa	0	2		0	2	4	4	4	2
Number of Individuals	2	0		0	2	6	6	4	3
Percent Dominance	0	0		0	0	0	2	2	1
Number EPT Taxa	4	4		2	6	6	6	8	5
Number EPT Individuals	4	2		4	4	8	6	4	5
EPT:Total	6	4		8	8	6	6	4	6
EPT:Chrironomid	6	0		6	8	4	2	2	4
Chironomidae count	8	4		8	8	2	4	2	5
Total:Individual Squares	4	2		2	4	6	6	6	4
mIBI	3.80	2.00		3.80	4.80	4.80	4.80	4.20	4.03
mIBI Rating	moderate	severe		moderate	slight	slight	slight	slight	moderate

Benthic macroinvertebate data used for macroinvertebrate Index of Biotic Integrity calculation in the Region of the Great Bend of the Wabash River watershed.

	East Branch Wea Creek								
	24-Jun-09	21-Jul-09	14-Oct-09	11-Nov-09	18-Jun-10	12-Aug-10	15-Sep-10	30-Oct-10	Mean
Hilsenhoff Biotic Index	4.25	4.17	4.10	3.94	4.20	4.37	4.59	5.26	4.36
Number of Taxa	6	11	9	10	7	21	17	18	12.38
Number of Individuals	57	1027	143	115	91	1502	1106	764	600.63
Percent Dominance	86	90	78	88	78	69	75	89	81.73
Number EPT Taxa	3	5	6	6	3	8	8	10	6.13
Number EPT Individuals	37	882	69	43	70	724	500	152	309.63
EPT:Total	65	86	48	37	77	48	45	20	53.33
EPT:Chrironomid	18.50	16.33	7.67	1.05	10.00	2.52	1.53	0.32	7.24
Chironomidae count	2	54	9	41	7	287	326	475	150.13
									Mean
Hilsenhoff Biotic Index	6	6	6	8	6	6	4	2	6
Number of Taxa	0	4	2	2	0	8	6	8	4
Number of Individuals	0	8	4	2	2	8	8	8	5
Percent Dominance	0	0	0	0	0	0	0	0	0
Number EPT Taxa	2	4	6	6	2	8	8	8	6
Number EPT Individuals	2	8	4	4	4	8	8	6	6
EPT:Total	6	8	6	4	8	6	4	2	6
EPT:Chrironomid	8	8	6	2	6	2	2	0	4
Chironomidae count	8	4	6	4	6	0	0	0	4
Total:Individual Squares	2	8	4	4	4	8	8	8	6
mIBI	3.40	5.80	4.40	3.60	3.80	5.40	4.80	4.20	4.43
mIBI Rating	moderate	slight	slight	moderate	moderate	slight	slight	slight	slight

Benthic macroinvertebate data used for macroinvertebrate Index of Biotic Integrity calculation in the Region of the Great Bend of the Wabash River watershed.

	West Fork Kickapoo Creek								
	23-Jun-09	21-Jul-09	5-Oct-09	12-Nov-09	18-Jun-10	10-Aug-10	9/16/1010	31-Oct-10	Mean
Hilsenhoff Biotic Index	4.27	4.95	3.57	3.85	4.69	4.95	5.01	4.06	4.42
Number of Taxa	9	6	7	7	10	23	16	19	12.13
Number of Individuals	284	64	51	159	169	1558	644	401	416.25
Percent Dominance	71	86	90	80	89	77	73	53	77.36
Number EPT Taxa	5	3	4	4	5	7	7	9	5.50
Number EPT Individuals	181	32	24	99	107	548	245	229	183.13
EPT:Total	64	50	47	62	63	35	38	57	52.09
EPT:Chrironomid	4.02	1.33	12.00	14.14	2.18	0.70	0.72	3.47	4.82
Chironomidae count	45	24	2	7	49	783	341	66	164.63
									Mean
Hilsenhoff Biotic Index	6	4	8	8	4	4	4	8	6
Number of Taxa	2	0	0	0	2	8	6	8	3
Number of Individuals	6	0	0	4	4	8	8	8	5
Percent Dominance	0	0	0	0	0	0	0	2	0
Number EPT Taxa	4	2	4	4	4	6	6	8	5
Number EPT Individuals	6	2	2	6	6	8	8	8	6
EPT:Total	6	6	6	6	6	4	4	6	6
EPT:Chrironomid	4	2	8	8	2	0	0	4	4
Chironomidae count	4	4	8	6	4	0	0	2	4
Total:Individual Squares	6	2	2	4	4	8	8	6	5
mIBI	4.40	2.20	3.80	4.60	3.60	4.60	4.40	6.00	4.20
mIBI Rating	slight	moderate	moderate	slight	moderate	slight	slight	slight	slight

Benthic macroinvertebate data used for macroinvertebrate Index of Biotic Integrity calculation in the Region of the Great Bend of the Wabash River watershed.

	Flint Creek								
	24-Jun-09	21-Jul-09	13-Oct-09	11-Nov-09	18-Jun-10	11-Aug-10	15-Sep-10	31-Oct-10	Mean
Hilsenhoff Biotic Index	4.49	4.58	3.84	4.18	4.30	4.32	4.28	3.23	4.15
Number of Taxa	9	12	14	10	11	19	16	24	14.38
Number of Individuals	144	1005	633	157	353	1208	1061	1382	742.88
Percent Dominance	76	85	79	83	86	74	70	65	77.38
Number EPT Taxa	5	6	7	4	5	8	7	10	6.50
Number EPT Individuals	101	695	572	87	284	826	809	1183	569.63
EPT:Total	70	69	90	55	80	68	76	86	74.47
EPT:Chrironomid	4.59	6.62	13.62	1.53	11.36	2.88	4.42	10.47	6.94
Chironomidae count	22	105	42	57	25	287	183	113	104.25
									Mean
Hilsenhoff Biotic Index	6	4	8	6	6	6	6	8	6
Number of Taxa	2	4	4	2	4	8	6	8	5
Number of Individuals	4	8	8	4	8	8	8	8	7
Percent Dominance	0	0	0	0	0	0	0	0	0
Number EPT Taxa	4	6	6	4	4	8	6	8	6
Number EPT Individuals	6	8	8	4	8	8	8	8	7
EPT:Total	8	8	8	6	8	8	8	8	8
EPT:Chrironomid	4	6	8	2	6	4	4	6	5
Chironomidae count	4	2	4	2	4	0	0	2	2
Total:Individual Squares	4	8	8	4	6	8	8	8	7
mIBI	4.20	5.40	6.20	3.40	5.40	5.80	5.40	6.40	5.28
mIBI Rating	slight	slight	unimpaired	moderate	slight	slight	slight	unimpaired	slight

Benthic macroinvertebate data used for macroinvertebrate Index of Biotic Integrity calculation in the Region of the Great Bend of the Wabash River watershed.

	Indian Creek								
	25-Jun-09	20-Jul-09	13-Oct-09	12-Nov-09	21-Jun-10	11-Aug-10	16-Sep-10	31-Oct-10	Mean
Hilsenhoff Biotic Index	5.06	5.40	5.22	5.29	5.07	5.11	5.03	5.38	5.20
Number of Taxa	7	9	14	14	13	26	17	21	15.13
Number of Individuals	412	903	392	108	328	1601	1281	2927	994.00
Percent Dominance	86	92	83	47	85	84	77	84	79.89
Number EPT Taxa	4	4	8	7	7	9	9	10	7.25
Number EPT Individuals	173	261	145	50	148	580	653	1021	378.88
EPT:Total	42	29	37	46	45	36	51	35	40.17
EPT:Chrironomid	0.82	4.42	0.74	3.13	1.01	0.67	1.20	0.59	1.57
Chironomidae count	210	59	197	16	146	862	542	1734	470.75
									Mean
Hilsenhoff Biotic Index	4	2	2	2	2	2	4	2	3
Number of Taxa	0	2	4	4	4	8	6	8	5
Number of Individuals	8	8	8	2	6	8	8	8	7
Percent Dominance	0	0	0	2	0	0	0	0	0
Number EPT Taxa	4	4	8	6	6	8	8	8	7
Number EPT Individuals	6	8	6	4	6	8	8	8	7
EPT:Total	4	2	4	6	4	4	6	4	4
EPT:Chrironomid	0	4	0	4	2	0	2	0	2
Chironomidae count	0	2	0	6	2	0	0	0	1
Total:Individual Squares	8	8	6	4	6	8	8	8	7
mIBI	3.40	4.00	3.80	4.00	3.80	4.60	5.00	4.60	4.15
mIBI Rating	moderate	moderate	moderate	moderate	moderate	slight	slight	slight	slight