

August 2005		Upper Wabash River Basin Water Quality Assessment																				
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	
STATION		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	
MAYFLIES	Baetidae	5	36	24	2	15	14		4	5				3							2	8
	Tricorythidae		3	4	11	1			4	11		4		8	2	3	4					3
	Heptageniidae	27				1																5
	Caenidae						2															6
CADDISFLIES	Hydropsychidae		40	39	28	62	69		39	39	8	4		2	70	4	1					62
	Hydroptilidae																					1
	Polycentropidae	2																				
	Limnephilidae																1					
MIDGES	Chironomidae	63	17	15	41	13	15	85	46	31	54	51	73	20	17	63	49		60		31	2
FLIES	Simuliidae					1																
	Tipulidae																					3
	Psychodidae																					34
DAMSELFLIES	Coenagrionidae				3	1		9	2	1	17	23	7	40		17	8					2
	Calopterygidae								2													
DRAGONFLIES - SKIMMERS	Corduliidae								1													
	Libellulidae																	1				
RIFFLE BEETLES	Elmidae		4	18	15	6	2	4	2	12	14	1	20	30	8	11	27				38	25
SCAVENGER BEETLES	Hydrophilidae										7	16					8			2		14
SOW/PILL BUGS	Isopoda	2														2	2					
LEECHES	Hirudinea											1						7				1
AQUATIC WORMS	Oligochaeta																	3	1			
SNAILS	Mollusca	1																				
TOTAL		100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	11	100	0	100	100
Biotic Index Value		5.4	4.3	4.3	5.0	4.3	4.3	6.2	5.1	4.7	6.1	6.6	5.8	6.4	4.3	6.2	5.6	9.0	7.3		5.1	4.0
water quality		fair	good	good	good	good	good	f poor	poor	good	f poor	poor	f poor	f poor	good	f poor	fair	v poor	v poor	*site dry	fair	v good
habitat (QHEI)		51	61		58	52	44	26	24	61	36	51	51	58	66	44	50	21	38		43	65
The biotic index value ranges from 1 (extremely good) to 10 (extremely poor)																						
The habitat value ranges from 100 (extremely good) to 0 (extremely poor)																						
Priority sites (habitat is relatively good, biotic index value is relatively poor)		Sites 10, 11, and 12																				
Priority sites (biotic index value indicates obvious sewage-related pollution)		Site 16																				