

Big Creek West Branch

River Mile: 0.02

Drainage Area: 4.9 miles²

OEPA

Taxa Code	Species	Qualitative <u>EPT Taxa</u>	Qualitative <u>Taxa</u>	Coldwater <u>Taxa</u>	Pollution <u>Tolerance</u>
1801	Turbellaria		y		F
3600	Oligochaeta		y		T
4664	Helobdella stagnalis		y		T
4960	Erpobdella sp (= Mooreobdella)		y		MT
5800	Caecidotea sp		y		T
6700	Crangonyx sp		y		MT
11120	Baetis flavistriga	y	y		F
22001	Coenagrionidae		y		T
77120	Ablabesmyia mallochi		y		F
78140	Labrundinia pilosella		y		F
79100	Thienemannimyia group		y		F
82820	Cryptochironomus sp		y		F
83040	Dicrotendipes neomodestus		y		F
85500	Paratanytarsus sp		y		F
		1	14	0	

Big Creek Downstream of Pearl Road

River Mile: 9.80
Drainage Area: 5.6 miles²

OEPA

Taxa Code	Species	Number	
		HD	Qual
1801	Turbellaria	1	+
3600	Oligochaeta	242	+
5800	Caecidotea sp	1	+
11120	Baetis flavistriga		+
21200	Calopteryx sp		+
52200	Cheumatopsyche sp	1	+
52431	Ceratopsyche morosa	1	
52450	Ceratopsyche sparna		+
70600	Antocha sp	1	
71900	Tipula sp	1	+
74100	Simulium sp		+
77120	Ablabesmyia mallochii	15	+
79100	Thienemannimyia group	252	+
80420	Cricotopus (C.) bicinctus	15	+
80430	Cricotopus (C.) tremulus group	104	+
80470	Cricotopus (C.) or Orthocladius (O.) sp	15	
80510	Cricotopus (Isocladius) sylvestris group		+
81231	Nanocladius (N.) crassicornus or N. (N.) "rectinervis"	15	
81650	Parametrioctenemus sp	15	
82730	Chironomus (C.) decorus group	15	+
82770	Chironomus (C.) riparius group	15	+
83040	Dicrotendipes neomodestus	624	
84450	Polypedilum (Uresipedilum) flavum	15	+
84460	Polypedilum (P.) fallax group	15	
84470	Polypedilum (P.) illinoense	59	+
85500	Paratanytarsus sp	356	
85821	Tanytarsus glabrescens group sp 7	15	

Number of Organisms	1793
ICI Score	20
Number of Quantitative Taxa	22
Number of Qualitative Taxa	18
Number of Qualitative EPT Taxa	3
Total Number of Taxa	27

Big Creek at Memphis Picnic Area

River Mile: 4.40

Drainage Area: 19.3 miles²

OEPA

Taxa Code	Species	Qualitative <u>EPT Taxa</u>	Qualitative <u>Taxa</u>	Coldwater <u>Taxa</u>	Pollution <u>Tolerance</u>
1801	Turbellaria		y		F
3600	Oligochaeta		y		T
4935	Erpobdella punctata punctata		y		MT
5800	Caecidotea sp		y		T
11120	Baetis flavistriga	y	y		F
11130	Baetis intercalaris	y	y		F
21200	Calopteryx sp		y		F
21300	Hetaerina sp		y		F
22001	Coenagrionidae		y		T
52200	Cheumatopsyche sp	y	y		F
52431	Ceratopsyche morosa	y	y		MI
52450	Ceratopsyche sparna	y	y		F
52530	Hydropsyche depravata group	y	y		F
70600	Antocha sp		y		MI
74100	Simulium sp		y		F
77120	Ablabesmyia mallochi		y		F
79100	Thienemannimyia group		y		F
82820	Cryptochironomus sp		y		F
83040	Dicrotendipes neomodestus		y		F
84315	Phaenopsectra flavipes		y		MT
84450	Polypedilum (Uresipedilum) flavum		y		F
84470	Polypedilum (P.) illinoense		y		T
85821	Tanytarsus glabrescens group sp 7		y		F
98600	Sphaerium sp		y		F
		6	24	0	

**Stickney Creek, South of Memphis Avenue, North of Memphis
Villas Blvd**

River Mile: 0.15
Drainage Area: 15.8 miles²

OEPA

Taxa Code	Species	Number	
		HD	Qual
1801	Turbellaria	19	+
3600	Oligochaeta		+
4664	Helobdella stagnalis	1	
4935	Erpobdella punctata punctata		+
4960	Erpobdella sp (= Mooreobdella)	1	
5800	Caecidotea sp		+
6700	Crangonyx sp		+
11120	Baetis flavistriga	64	+
21200	Calopteryx sp		+
22001	Coenagrionidae		+
43570	Neoplea sp		+
52200	Cheumatopsyche sp	3	+
52530	Hydropsyche depravata group	11	+
53800	Hydroptila sp	1	+
63900	Laccophilus sp		+
68708	Dubiraphia vittata group		+
70600	Antocha sp	10	
72700	Anopheles sp		+
74100	Simulium sp		+
77120	Ablabesmyia mallochi	16	+
78450	Nilotanypus fimbriatus	16	
78655	Procladius (Holotanypus) sp		+
79100	Thienemannimyia group	373	+
80420	Cricotopus (C.) bicinctus	16	+
80430	Cricotopus (C.) tremulus group	49	+
82730	Chironomus (C.) decorus group		+
82770	Chironomus (C.) riparius group		+
82820	Cryptochironomus sp		+
83040	Dicrotendipes neomodestus	178	+
83051	Dicrotendipes simpsoni	16	
84300	Phaenopsectra obediens group	16	
84315	Phaenopsectra flavipes	49	+
84450	Polypedilum (Uresipedilum) flavum		+
84460	Polypedilum (P.) fallax group	16	
84470	Polypedilum (P.) illinoense		+
85400	Micropsectra sp	32	
85500	Paratanytarsus sp	746	+
85625	Rheotanytarsus sp	32	
85821	Tanytarsus glabrescens group sp 7	211	
85840	Tanytarsus sepp	32	
86001	Tabanidae		+
87540	Hemerodromia sp	11	
95900	Gyraulus sp	2	+

Number of Organisms 1921

**Stickney Creek, South of Memphis Avenue, North of Memphis
Villas Blvd**

River Mile:	0.15	
Drainage Area:	15.8	miles²
ICI Score	36	
Number of Quantitative Taxa	25	
Number of Qualitative Taxa	31	
Number of Qualitative EPT Taxa	4	
Total Number of Taxa	43	

Big Creek Downstream of Jennings Road

River Mile: 0.15
 Drainage Area: 37.1 miles²

OEPA

Taxa Code	Species	Number	
		HD	Qual
1801	Turbellaria	3	+
3600	Oligochaeta	1024	+
4664	Helobdella stagnalis		+
4960	Erpobdella sp (= Mooreobdella)		+
5800	Caecidotea sp		+
11120	Baetis flavistriga		+
11130	Baetis intercalaris		+
22001	Coenagrionidae		+
52200	Cheumatopsyche sp	1	
52450	Ceratopsyche sparna	1	
53800	Hydroptila sp		+
60800	Halipus sp		+
71300	Limonia sp	9	
71500	Ormosia sp	1	
71900	Tipula sp	2	+
74100	Simulium sp		+
74501	Ceratopogonidae	5	
77120	Ablabesmyia mallochii	5	+
79100	Thienemannimyia group	47	+
80430	Cricotopus (C.) tremulus group	8	
81040	Limnophyes sp	3	
82730	Chironomus (C.) decorus group	5	+
82770	Chironomus (C.) riparius group	3	
83040	Dicrotendipes neomodestus	8	+
84300	Phaenopsectra obediens group	8	+
84315	Phaenopsectra flavipes	10	
84450	Polypedilum (Uresipedilum) flavum	5	+
84460	Polypedilum (P.) fallax group	16	
84470	Polypedilum (P.) illinoense	88	+
84540	Polypedilum (Tripodura) scalaenum group	5	+
85500	Paratanytarsus sp	13	+
85821	Tanytarsus glabrescens group sp 7	23	+
89704	Limnophora aequifrons	5	
95100	Physella sp		+
96900	Ferrissia sp	1	
Number of Organisms		1299	
ICI Score		18	
Number of Quantitative Taxa		25	
Number of Qualitative Taxa		23	
Number of Qualitative EPT Taxa		3	
Total Number of Taxa		35	

Unnamed Trib to Big Creek

River Mile: 0.20

Drainage Area: 2.5 miles²

OEPA

Taxa Code	Species	Qualitative <u>EPT Taxa</u>	Qualitative <u>Taxa</u>	Coldwater <u>Taxa</u>	Pollution <u>Tolerance</u>
1801	Turbellaria		y		F
3600	Oligochaeta		y		T
4960	Erpobdella sp (= Mooreobdella)		y		MT
5800	Caecidotea sp		y		T
6700	Crangonyx sp		y		MT
7701	Cambaridae		y		
11120	Baetis flavistriga	y	y		F
21200	Calopteryx sp		y		F
21300	Hetaerina sp		y		F
22001	Coenagrionidae		y		T
52200	Cheumatopsyche sp	y	y		F
52530	Hydropsyche depravata group	y	y		F
72700	Anopheles sp		y		F
74100	Simulium sp		y		F
77120	Ablabesmyia mallochi		y		F
78655	Procladius (Holotanypus) sp		y		MT
79100	Thienemannimyia group		y		F
80310	Cardiocladius obscurus		y		MI
82730	Chironomus (C.) decorus group		y		T
82820	Cryptochironomus sp		y		F
84210	Paratendipes albimanus or P. duplicatus		y		F
84450	Polypedilum (Uresipedilum) flavum		y		F
84470	Polypedilum (P.) illinoense		y		T
86001	Tabanidae		y		F
98600	Sphaerium sp		y		F
		3	25	0	