

Tinkers Creek Upstream of Northfield Road Bridge

July 12, 2018

River Mile: 7.00

Collection Method: Longline Electrofishing

Drainage Area: 78.6 miles²

Collection Distance: 0.2 km

Code	Species	Number	Weight (kg)	Pollution Tolerance	DELT Anomalies #	Description
40-015	<i>Hypentelium nigricans</i> Northern hog sucker	19	2.845	Moderately Intolerant	0	---
40-016	<i>Catostomus commersonii</i> Common white sucker	104	4.5	Highly Tolerant	2	Erosion
43-011	<i>Rhinichthys atratulus</i> Blacknose dace	21	0.018	Highly Tolerant	0	---
43-013	<i>Semotilus atromaculatus</i> Creek chub	276	0.085	Highly Tolerant	0	---
43-043	<i>Pimephales notatus</i> Bluntnose minnow	75	0.085	Highly Tolerant	0	---
43-044	<i>Campostoma anomalum</i> Central stoneroller minnow	322	0	--	0	---
47-004	<i>Ictalurus natalis</i> Yellow bullhead	4	0.363	Highly Tolerant	0	---
77-003	<i>Ambloplites rupestris</i> Northern rockbass	5	0.59	--	0	---
77-004	<i>Micropterus dolomieu</i> Smallmouth bass	37	2.8	Moderately Intolerant	0	---
77-006	<i>Micropterus salmoides</i> Largemouth bass	1	0.03	--	0	---
77-008	<i>Lepomis cyanellus</i> Green sunfish	10	0.081	Highly Tolerant	0	---
77-009	<i>Lepomis macrochirus</i> Northern bluegill sunfish	1	0.025	Moderately Tolerant	0	---
80-014	<i>Etheostoma nigrum</i> Johnny darter	2	0.005	--	0	---
Totals		<u>877</u>	<u>11.427</u>		<u>2</u>	

*DELT anomalies were observed on 0.28 % of the fish collected.
 Index of Biotic Integrity (IBI) = 26 (Poor)
 Modified Index of Well-Being (MIwb) = 7.4 (Marginally Good)

Tinkers Creek Upstream of Northfield Road Bridge

July 12, 2018

River Mile: 7.00

Shannon Diversity Index, no.	1.635
Shannon Diversity Index, wt.	1.471
N	580.5
B	9.443

Tinkers Creek Upstream of Northfield Road Bridge

October 11, 2018

River Mile: 7.00

Collection Method: Longline Electrofishing

Drainage Area: 78.6 miles²

Collection Distance: 0.2 km

Code	Species	Number	Weight (kg)	Pollution Tolerance	DELT Anomalies #	Description
40-015	<i>Hypentelium nigricans</i> Northern hog sucker	34	3.4	Moderately Intolerant	0	---
40-016	<i>Catostomus commersonii</i> Common white sucker	3	0.07	Highly Tolerant	0	---
43-011	<i>Rhinichthys atratulus</i> Blacknose dace	5	0.011	Highly Tolerant	0	---
43-013	<i>Semotilus atromaculatus</i> Creek chub	8	0.02	Highly Tolerant	0	---
43-043	<i>Pimephales notatus</i> Bluntnose minnow	75	0.1	Highly Tolerant	0	---
43-044	<i>Campostoma anomalum</i> Central stoneroller minnow	10	0.031	--	0	---
47-004	<i>Ictalurus natalis</i> Yellow bullhead	2	0.22	Highly Tolerant	0	---
77-003	<i>Ambloplites rupestris</i> Northern rockbass	1	0.075	--	0	---
77-004	<i>Micropterus dolomieu</i> Smallmouth bass	10	1.09	Moderately Intolerant	0	---
77-008	<i>Lepomis cyanellus</i> Green sunfish	4	0.14	Highly Tolerant	0	---
80-014	<i>Etheostoma nigrum</i> Johnny darter	7	0.02	--	0	---
Totals		<u>159</u>	<u>5.177</u>		<u>0</u>	

*DELT anomalies were observed on 0.00 % of the fish collected.
 Index of Biotic Integrity (IBI) = 30 (Fair)
 Modified Index of Well-Being (MIwb) = 6.0 (Fair)
 Shannon Diversity Index, no. 1.683
 Shannon Diversity Index, wt. 1.118
 N 93
 B 6.924

Tinkers Creek Upstream of Dunham Road
July 12, 2018
River Mile: 2.25
Collection Method: Longline Electrofishing
Drainage Area: 93.9 miles²
Collection Distance: 0.2 km

Code	Species	Number	Weight (kg)	Pollution Tolerance	#	DELT Anomalies Description
40-015	<i>Hypentelium nigricans</i> Northern hog sucker	9	0.014	Moderately Intolerant	0	---
40-016	<i>Catostomus commersonii</i> Common white sucker	429	0	Highly Tolerant	0	---
43-011	<i>Rhinichthys atratulus</i> Blacknose dace	11	0.022	Highly Tolerant	0	---
43-013	<i>Semotilus atromaculatus</i> Creek chub	141	0.17	Highly Tolerant	0	---
43-025	<i>Notropis chrysocephalus</i> Striped shiner	38	0.265	--	0	---
43-032	<i>Cyprinella spiloptera</i> Spotfin shiner	12	0.07	--	0	---
43-034	<i>Notropis stramineus</i> Sand shiner	212	0.507	Moderately Intolerant	0	---
43-039	<i>Ericymba buccata</i> Silverjaw minnow	1	0.008	--	0	---
43-043	<i>Pimephales notatus</i> Bluntnose minnow	35	0.08	Highly Tolerant	0	---
43-044	<i>Campostoma anomalum</i> Central stoneroller minnow	479	1.33	--	0	---
47-004	<i>Ictalurus natalis</i> Yellow bullhead	4	0.32	Highly Tolerant	0	---
77-003	<i>Ambloplites rupestris</i> Northern rockbass	1	0.075	--	0	---
77-004	<i>Micropterus dolomieu</i> Smallmouth bass	16	0.73	Moderately Intolerant	0	---
77-008	<i>Lepomis cyanellus</i> Green sunfish	6	0.05	Highly Tolerant	0	---
77-009	<i>Lepomis macrochirus</i> Northern bluegill sunfish	1	0.015	Moderately Tolerant	0	---

Tinkers Creek Upstream of Dunham Road

July 12, 2018

River Mile: 2.25

80-014	<i>Etheostoma nigrum</i> Johnny darter	1	0.002	--	0	---
80-015	<i>Etheostoma blenniodes</i> Greenside darter	43	0.12	Moderately Intolerant	0	---
80-022	<i>Etheostoma caeruleum</i> Rainbow darter	23	0.045	Moderately Intolerant	0	---
	Totals	<u>1462</u>	<u>3.823</u>		<u>0</u>	

*DELT anomalies were observed on	0.00	% of the fish collected.
Index of Biotic Integrity (IBI) =	36	(Marginally Good)
Modified Index of Well-Being (MIwb) =	8.2	(Good)
Shannon Diversity Index, no.	1.8	
Shannon Diversity Index, wt.	2.02	
N	1254	
B	4.772	

Wood Creek Upstream of Button Road

6/28/2018

River Mile: 0.15

Collection Method: Longline Electrofishing

Drainage Area: 3.7 miles²

Collection Distance: 0.15 km

Code	Species	Number	Pollution Tolerance	DELT Anomalies #	Description
43-011	<i>Rhinichthys atratulus</i> Blacknose dace	14	Highly Tolerant	0	---
43-013	<i>Semotilus atromaculatus</i> Creek chub	27	Highly Tolerant	0	---
	Totals	<u>41</u>		<u>0</u>	

*DELT anomalies were observed on 0.00 % of the fish collected.
Index of Biotic Integrity (IBI) = 20 (Poor)

Wood Creek Upstream of Button Road

10/11/2018

River Mile: 0.15

Collection Method: Longline Electrofishing

Drainage Area: 3.7 miles²

Collection Distance: 0.15 km

Code	Species	Number	Pollution Tolerance	DELT Anomalies #	Description
43-011	<i>Rhinichthys atratulus</i> Blacknose dace	14	Highly Tolerant	0	---
43-013	<i>Semotilus atromaculatus</i> Creek chub	82	Highly Tolerant	0	---
	Totals	<u>96</u>		<u>0</u>	

*DELT anomalies were observed on 0.00 % of the fish collected.
Index of Biotic Integrity (IBI) = 20 (Poor)