

Sagamore Creek Upstream of Canal Road
7/18/2017
River Mile: 0.20
Collection Method: Longline Electrofishing
Drainage Area: 6.6 miles²
Collection Distance: 0.15 km

Code	Species	Number	Pollution Tolerance	#	DELT Anomalies Description
25-002	<i>Oncorhynchus mykiss</i> Rainbow trout	50	--	0	---
40-016	<i>Catostomus commersonii</i> Common white sucker	18	Highly Tolerant	0	---
43-011	<i>Rhinichthys atratulus</i> Western blacknose dace	51	Highly Tolerant	0	---
43-013	<i>Semotilus atromaculatus</i> Creek chub	24	Highly Tolerant	0	---
43-026	<i>Notropis cornutus</i> Common shiner	10	--	0	---
43-043	<i>Pimephales notatus</i> Bluntnose minnow	1	Highly Tolerant	0	---
43-044	<i>Campostoma anomalum</i> Central stoneroller minnow	222	--	0	---
47-004	<i>Ictalurus natalis</i> Yellow bullhead	3	Highly Tolerant	0	---
77-006	<i>Micropterus salmoides</i> Largemouth bass	1	--	0	---
77-008	<i>Lepomis cyanellus</i> Green sunfish	5	Highly Tolerant	0	---
77-009	<i>Lepomis macrochirus</i> Northern bluegill sunfish	9	Moderately Tolerant	0	---
80-014	<i>Etheostoma nigrum</i> Johnny darter	1	--	0	---
80-015	<i>Etheostoma blenniodes</i> Greenside darter	2	Moderately Intolerant	0	---
80-022	<i>Etheostoma caeruleum</i> Rainbow darter	108	Moderately Intolerant	0	---
80-024	<i>Etheostoma flabellare</i> Barred Fantail darter	1	--	0	---

Sagamore Creek Upstream of Canal Road

7/18/2017

River Mile: 0.20

Totals

506

0

*DELT anomalies were observed on
Index of Biotic Integrity (IBI) =

0.00
48

% of the fish collected.
(Very Good)

Sagamore Creek Upstream of Canal Road
8/15/2017
River Mile: 0.20
Collection Method: Longline Electrofishing
Drainage Area: 6.6 miles²
Collection Distance: 0.15 km

Code	Species	Number	Pollution Tolerance	DELT #	Anomalies Description
25-002	<i>Oncorhynchus mykiss</i> Rainbow trout	33	--	0	---
40-015	<i>Hypentelium nigricans</i> Northern hog sucker	1	Moderately Intolerant	0	---
40-016	<i>Catostomus commersonii</i> Common white sucker	1	Highly Tolerant	0	---
43-011	<i>Rhinichthys atratulus</i> Western blacknose dace	36	Highly Tolerant	0	---
43-013	<i>Semotilus atromaculatus</i> Creek chub	45	Highly Tolerant	0	---
43-026	<i>Notropis cornutus</i> Common shiner	1	--	0	---
43-044	<i>Campostoma anomalum</i> Central stoneroller minnow	154	--	0	---
47-004	<i>Ictalurus natalis</i> Yellow bullhead	9	Highly Tolerant	0	---
77-006	<i>Micropterus salmoides</i> Largemouth bass	1	--	0	---
77-008	<i>Lepomis cyanellus</i> Green sunfish	5	Highly Tolerant	0	---
77-009	<i>Lepomis macrochirus</i> Northern bluegill sunfish	1	Moderately Tolerant	0	---
80-022	<i>Etheostoma caeruleum</i> Rainbow darter	93	Moderately Intolerant	0	---
80-024	<i>Etheostoma flabellare</i> Barred Fantail darter	2	--	0	---
Totals		<u>382</u>		<u>0</u>	

*DELT anomalies were observed on 0.00 % of the fish collected.
Index of Biotic Integrity (IBI) = 42 (Good)

Tinkers Creek Upstream of Northfield Road
July 31, 2017
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	17	2.5	Moderately Intolerant	0	---
40-016	<i>Catostomus commersonii</i> Common white sucker	15	2.835	Highly Tolerant	0	---
43-043	<i>Pimephales notatus</i> Bluntnose minnow	8	0.03	Highly Tolerant	0	---
47-004	<i>Ictalurus natalis</i> Yellow bullhead	2	0.18	Highly Tolerant	0	---
77-003	<i>Ambloplites rupestris</i> Northern rockbass	12	0.64	--	0	---
77-004	<i>Micropterus dolomieu</i> Smallmouth bass	30	3.8	Moderately Intolerant	0	---
77-008	<i>Lepomis cyanellus</i> Green sunfish	19	0.45	Highly Tolerant	0	---
77-009	<i>Lepomis macrochirus</i> Northern bluegill sunfish	12	0.028	Moderately Tolerant	0	---
77-013	<i>Lepomis gibbosus</i> Pumpkinseed sunfish	6	0.012	Moderately Tolerant	0	---
Totals		<u>121</u>	<u>10.475</u>		<u>0</u>	

*DELT anomalies were observed on 0.00 % of the fish collected.
 Index of Biotic Integrity (IBI) = 34 (Marginally Good)
 Modified Index of Well-Being (MIwb) = 7.1 (Fair)
 Shannon Diversity Index, no. 2.026
 Shannon Diversity Index, wt. 1.48
 N 115.5
 B 10.47