

Mill Creek at Northfield Road
6/17/2014
River Mile: 10.13
Collection Method: Longline Electroshocking
Drainage Area: 2.6 miles²
Collection Distance: 0.15 km

Code	Species	Number	Pollution Tolerance	DELT Anomalies #	Description
43-011	<i>Rhinichthys atratulus</i> Western blacknose dace	5	Highly Tolerant	0	---
43-013	<i>Semotilus atromaculatus</i> Creek chub	17	Highly Tolerant	0	---
Totals		<u>22</u>		<u>0</u>	

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

Mill Creek Upstream of South Miles Road
6/17/2014
River Mile: 8.30
Collection Method: Longline Electroshocking
Drainage Area: 3.9 miles²
Collection Distance: 0.15 km

Code	Species	Number	Pollution Tolerance	DELT Anomalies #	Description
43-011	<i>Rhinichthys atratulus</i> Western blacknose dace	121	Highly Tolerant	0	---
43-013	<i>Semotilus atromaculatus</i> Creek chub	89	Highly Tolerant	0	---
77-002	<i>Pomoxis nigromaculatus</i> Black crappie	1	--	0	---
77-008	<i>Lepomis cyanellus</i> Green sunfish	6	Highly Tolerant	0	---
Totals		<u>217</u>		<u>0</u>	

*DELT anomalies were observed on 0.00 % of the fish collected.
 Index of Biotic Integrity (IBI) = 22 (Poor)

Mill Creek at Rex Avenue
6/23/2014
River Mile: 6.80
Collection Method: Longline Electroshocking
Drainage Area: 4.4 miles²
Collection Distance: 0.15 km

Code	Species	Number	Pollution Tolerance	DELT Anomalies #	Description
43-011	<i>Rhinichthys atratulus</i> Western blacknose dace	56	Highly Tolerant	0	---
43-013	<i>Semotilus atromaculatus</i> Creek chub	49	Highly Tolerant	0	---
77-008	<i>Lepomis cyanellus</i> Green sunfish	1	Highly Tolerant	0	---
Totals		<u>106</u>		<u>0</u>	

*DELT anomalies were observed on 0.00 % of the fish collected.
 Index of Biotic Integrity (IBI) = 22 (Poor)

Mill Creek at Broadway Avenue
6/23/2014
River Mile: 3.15
Collection Method: Longline Electroshocking
Drainage Area: 14.6 miles²
Collection Distance: 0.15 km

Code	Species	Number	Pollution Tolerance	DELT Anomalies #	Description
43-011	<i>Rhinichthys atratulus</i> Western blacknose dace	183	Highly Tolerant	0	---
43-013	<i>Semotilus atromaculatus</i> Creek chub	146	Highly Tolerant	0	---
Totals		<u>329</u>		<u>0</u>	

*DELT anomalies were observed on 0.00 % of the fish collected.
 Index of Biotic Integrity (IBI) = 22 (Poor)

Mill Creek Downstream of Mill Creek Falls
6/23/2014
River Mile: 2.75
Collection Method: Longline Electroshocking
Drainage Area: 14.6 miles²
Collection Distance: 0.15 km

Code	Species	Number	Pollution Tolerance	DELT Anomalies #	Description
40-016	<i>Catostomus commersonii</i> Common white sucker	23	Highly Tolerant	0	---
43-011	<i>Rhinichthys atratulus</i> Western blacknose dace	54	Highly Tolerant	0	---
43-013	<i>Semotilus atromaculatus</i> Creek chub	61	Highly Tolerant	0	---
43-026	<i>Notropis cornutus</i> Common shiner	1	--	0	---
43-042	<i>Pimephales promelas</i> Northern fathead minnow	2	Highly Tolerant	0	---
43-044	<i>Campostoma anomalum</i> Central stoneroller minnow	164	--	0	---
77-008	<i>Lepomis cyanellus</i> Green sunfish	2	Highly Tolerant	0	---
Totals		<u>307</u>		<u>0</u>	

*DELT anomalies were observed on 0.00 % of the fish collected.
Index of Biotic Integrity (IBI) = 30 (Fair)

Mill Creek Upstream of Warner Road Tributary

6/17/2014

River Mile: 0.70

Collection Method: Longline Electroshocking

Drainage Area: 18.2 miles²

Collection Distance: 0.15 km

Code	Species	Number	Pollution Tolerance	DELT Anomalies #	Description
40-016	<i>Catostomus commersonii</i> Common white sucker	88	Highly Tolerant	0	---
43-011	<i>Rhinichthys atratulus</i> Western blacknose dace	15	Highly Tolerant	0	---
43-013	<i>Semotilus atromaculatus</i> Creek chub	35	Highly Tolerant	0	---
43-020	<i>Notropis atherinoides</i> Common Emerald shiner	7	--	0	---
43-026	<i>Notropis cornutus</i> Common shiner	1	--	0	---
43-025	<i>Notropis chrysocephalus</i> Striped shiner	20	--	0	---
43-034	<i>Notropis stramineus</i> Sand shiner	6	Moderately Intolerant	0	---
43-043	<i>Pimephales notatus</i> Bluntnose minnow	6	Highly Tolerant	0	---
43-044	<i>Campostoma anomalum</i> Central stoneroller minnow	333	--	0	---
47-004	<i>Ictalurus natalis</i> Yellow bullhead	5	Highly Tolerant	0	---
77-008	<i>Lepomis cyanellus</i> Green sunfish	55	Highly Tolerant	0	---
77-009	<i>Lepomis macrochirus</i> Northern bluegill sunfish	10	Moderately Tolerant	0	---
Totals		<u>581</u>		<u>0</u>	

*DELT anomalies were observed on 0.00 % of the fish collected.
Index of Biotic Integrity (IBI) = 38 (Marginally Good)

Mill Creek Upstream of Warner Road Tributary

8/6/2014

River Mile: 0.70

Collection Method: Longline Electroshocking

Drainage Area: 18.2 miles²

Collection Distance: 0.15 km

Code	Species	Number	Pollution Tolerance	DELT Anomalies #	Description
40-016	<i>Catostomus commersonii</i> Common white sucker	131	Highly Tolerant	0	---
43-002	<i>Carassius auratus</i> Goldfish	2	Highly Tolerant	0	---
43-011	<i>Rhinichthys atratulus</i> Western blacknose dace	98	Highly Tolerant	0	---
43-013	<i>Semotilus atromaculatus</i> Creek chub	139	Highly Tolerant	0	---
43-025	<i>Notropis chrysocephalus</i> Striped shiner	93	--	0	---
43-034	<i>Notropis stramineus</i> Sand shiner	14	Moderately Intolerant	0	---
43-042	<i>Pimephales promelas</i> Northern fathead minnow	3	Highly Tolerant	0	---
43-043	<i>Pimephales notatus</i> Bluntnose minnow	21	Highly Tolerant	0	---
43-044	<i>Campostoma anomalum</i> Central stoneroller minnow	814	--	0	---
47-004	<i>Ictalurus natalis</i> Yellow bullhead	4	Highly Tolerant	0	---
77-006	<i>Micropterus salmoides</i> Largemouth bass	4	--	0	---
77-008	<i>Lepomis cyanellus</i> Green sunfish	22	Highly Tolerant	0	---
	Totals	<u>1345</u>		<u>0</u>	

*DELT anomalies were observed on 0.00 % of the fish collected.
Index of Biotic Integrity (IBI) = 36 (Marginally Good)

Mill Creek Upstream of Canal Road
6/17/2014
River Mile: 0.12
Collection Method: Longline Electroshocking
Drainage Area: 19.5 miles²
Collection Distance: 0.15 km

Code	Species	Number	Pollution Tolerance	DELT Anomalies #	Description
40-016	<i>Catostomus commersonii</i> Common white sucker	18	Highly Tolerant	0	---
43-013	<i>Semotilus atromaculatus</i> Creek chub	2	Highly Tolerant	0	---
43-020	<i>Notropis atherinoides</i> Common Emerald shiner	118	--	0	---
43-034	<i>Notropis stramineus</i> Sand shiner	8	Moderately Intolerant	0	---
43-039	<i>Ericymba buccata</i> Silverjaw minnow	1	--	0	---
43-043	<i>Pimephales notatus</i> Bluntnose minnow	1	Highly Tolerant	0	---
43-044	<i>Campostoma anomalum</i> Central stoneroller minnow	13	--	0	---
47-004	<i>Ictalurus natalis</i> Yellow bullhead	1	Highly Tolerant	0	---
47-005	<i>Ictalurus nebulosus</i> Brown bullhead	7	Highly Tolerant	0	---
77-008	<i>Lepomis cyanellus</i> Green sunfish	39	Highly Tolerant	0	---
77-009	<i>Lepomis macrochirus</i> Northern bluegill sunfish	5	Moderately Tolerant	0	---
Totals		<u>213</u>		<u>0</u>	

*DELT anomalies were observed on 0.00 % of the fish collected.
Index of Biotic Integrity (IBI) = 36 (Marginally Good)

Mill Creek Upstream of Canal Road
9/3/2014
River Mile: 0.12
Collection Method: Longline Electroshocking
Drainage Area: 19.5 miles²
Collection Distance: 0.15 km

Code	Species	Number	Pollution Tolerance	DELT #	Anomalies Description
40-015	<i>Hypentelium nigricans</i> Northern hog sucker	1	Moderately Intolerant	0	---
40-016	<i>Catostomus commersonii</i> Common white sucker	17	Highly Tolerant	0	---
43-011	<i>Rhinichthys atratulus</i> Western blacknose dace	18	Highly Tolerant	0	---
43-013	<i>Semotilus atromaculatus</i> Creek chub	155	Highly Tolerant	0	---
43-026	<i>Notropis cornutus</i> Common shiner	197	--	0	---
43-034	<i>Notropis stramineus</i> Sand shiner	5	Moderately Intolerant	0	---
43-039	<i>Ericymba buccata</i> Silverjaw minnow	3	--	0	---
43-042	<i>Pimephales promelas</i> Northern fathead minnow	1	Highly Tolerant	0	---
43-043	<i>Pimephales notatus</i> Bluntnose minnow	27	Highly Tolerant	0	---
43-044	<i>Campostoma anomalum</i> Central stoneroller minnow	675	--	0	---
47-004	<i>Ictalurus natalis</i> Yellow bullhead	8	Highly Tolerant	0	---
47-008	<i>Noturus flavus</i> Stonecat Madtom	1	Intolerant	0	---
77-004	<i>Micropterus dolomieu</i> Smallmouth bass	4	Moderately Intolerant	0	---
77-006	<i>Micropterus salmoides</i> Largemouth bass	2	--	0	---
77-008	<i>Lepomis cyanellus</i> Green sunfish	26	Highly Tolerant	0	---

Mill Creek Upstream of Canal Road

9/3/2014

River Mile: 0.12

80-015	<i>Etheostoma blenniodes</i> Greenside darter	1	Moderately Intolerant	0	---
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Totals		<u>1141</u>		<u>0</u>	
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*DELT anomalies were observed on 0.00 % of the fish collected.
Index of Biotic Integrity (IBI) = 42 (Good)