

Mill Creek Upstream of Warner Road
6/20/2016
River Mile: 0.70
Collection Method: Longline Electrofishing
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	164	Highly Tolerant	0	---
43-011	<i>Rhinichthys atratulus</i> Blacknose dace	98	Highly Tolerant	0	---
43-013	<i>Semotilus atromaculatus</i> Creek chub	58	Highly Tolerant	0	---
43-025	<i>Notropis chrysocephalus</i> Striped shiner	67	--	0	---
43-032	<i>Cyprinella spiloptera</i> Spotfin shiner	2	--	0	---
43-034	<i>Notropis stramineus</i> Sand shiner	7	Moderately Intolerant	0	---
43-042	<i>Pimephales promelas</i> Northern fathead minnow	3	Highly Tolerant	0	---
43-043	<i>Pimephales notatus</i> Bluntnose minnow	17	Highly Tolerant	0	---
43-044	<i>Campostoma anomalum</i> Central stoneroller minnow	548	--	0	---
47-004	<i>Ictalurus natalis</i> Yellow bullhead	8	Highly Tolerant	0	---
77-008	<i>Lepomis cyanellus</i> Green sunfish	78	Highly Tolerant	0	---
77-014	<i>HYBRID</i> Bluegill X Pumpkinseed	2	--	0	---
77-015	<i>HYBRID</i> Green SF X Bluegill SF	1	--	0	---
77-016	<i>HYBRID</i> Green SF X Pumpkinseed	1	--	0	---
80-015	<i>Etheostoma blenniodes</i> Greenside darter	2	Moderately Intolerant	0	---

Mill Creek Upstream of Warner Road

6/20/2016

River Mile: 0.70

80-022	<i>Etheostoma caeruleum</i> Rainbow darter	4	Moderately Intolerant	0	---
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Totals	<u>1060</u>	<u>0</u>
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*DELT anomalies were observed on Index of Biotic Integrity (IBI) =	0.00 38	% of the fish collected. (Marginally Good)
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Mill Creek Upstream of Warner Road Tributary

8/30/2016

River Mile: 0.70

Collection Method: Longline Electrofishing

Drainage Area: 18.2 miles²

Collection Distance: 0.15 km

Code	Species	Number	Pollution Tolerance	DELT	
				#	Description
40-015	<i>Hypentelium nigricans</i> Northern hog sucker	6	Moderately Intolerant	0	---
40-016	<i>Catostomus commersonii</i> Common white sucker	453	Highly Tolerant	0	---
43-001	<i>Cyprinus carpio</i> Common carp	2	Highly Tolerant	0	---
43-011	<i>Rhinichthys atratulus</i> Blacknose dace	103	Highly Tolerant	0	---
43-013	<i>Semotilus atromaculatus</i> Creek chub	55	Highly Tolerant	0	---
43-026	<i>Notropis cornutus</i> Common shiner	5	--	0	---
43-025	<i>Notropis chrysocephalus</i> Striped shiner	137	--	0	---
43-032	<i>Cyprinella spiloptera</i> Spotfin shiner	37	--	0	---
43-034	<i>Notropis stramineus</i> Sand shiner	4	Moderately Intolerant	0	---
43-043	<i>Pimephales notatus</i> Bluntnose minnow	51	Highly Tolerant	0	---
43-044	<i>Campostoma anomalum</i> Central stoneroller minnow	653	--	0	---
47-004	<i>Ictalurus natalis</i> Yellow bullhead	22	Highly Tolerant	0	---
47-005	<i>Ictalurus nebulosus</i> Brown bullhead	1	Highly Tolerant	0	---
77-004	<i>Micropterus dolomieu</i> Smallmouth bass	1	Moderately Intolerant	0	---
77-006	<i>Micropterus salmoides</i> Largemouth bass	3	--	0	---

Mill Creek Upstream of Warner Road Tributary

8/30/2016

River Mile: 0.70

77-007	<i>Lepomis gulosus</i> Warmouth sunfish	3	--	0	---
77-008	<i>Lepomis cyanellus</i> Green sunfish	28	Highly Tolerant	0	---
77-009	<i>Lepomis macrochirus</i> Northern bluegill sunfish	13	Moderately Tolerant	0	---
77-013	<i>Lepomis gibbosus</i> Pumpkinseed sunfish	11	Moderately Tolerant	0	---
77-016	<i>HYBRID</i> Green SF X Pumpkinseed	1	--	0	---
80-014	<i>Etheostoma nigrum</i> Johnny darter	3	--	0	---
80-015	<i>Etheostoma blenniodes</i> Greenside darter	6	Moderately Intolerant	0	---
80-022	<i>Etheostoma caeruleum</i> Rainbow darter	7	Moderately Intolerant	0	---
34-001	<i>Umbra limi</i> Central Mudminnow	2	Tolerant	0	---
	Totals	<u>1607</u>		<u>0</u>	

*DELT anomalies were observed on 0.00 % of the fish collected.
Index of Biotic Integrity (IBI) = 44 (Good)

Mill Creek Upstream of Canal Road
6/20/2016
River Mile: 0.12
Collection Method: Longline Electrofishing
Drainage Area: 19.5 miles²
Collection Distance: 0.15 km

Code	Species	Number	Pollution Tolerance	DELT #	Anomalies Description
25-002	<i>Oncorhynchus mykiss</i> Rainbow trout	2	--	0	---
40-016	<i>Catostomus commersonii</i> Common white sucker	91	Highly Tolerant	0	---
43-011	<i>Rhinichthys atratulus</i> Blacknose dace	23	Highly Tolerant	0	---
43-013	<i>Semotilus atromaculatus</i> Creek chub	20	Highly Tolerant	0	---
43-025	<i>Notropis chrysocephalus</i> Striped shiner	15	--	0	---
43-032	<i>Cyprinella spiloptera</i> Spotfin shiner	15	--	0	---
43-034	<i>Notropis stramineus</i> Sand shiner	33	Moderately Intolerant	0	---
43-042	<i>Pimephales promelas</i> Northern fathead minnow	1	Highly Tolerant	0	---
43-043	<i>Pimephales notatus</i> Bluntnose minnow	9	Highly Tolerant	0	---
43-044	<i>Campostoma anomalum</i> Central stoneroller minnow	164	--	0	---
47-004	<i>Ictalurus natalis</i> Yellow bullhead	11	Highly Tolerant	0	---
77-006	<i>Micropterus salmoides</i> Largemouth bass	1	--	0	---
77-008	<i>Lepomis cyanellus</i> Green sunfish	28	Highly Tolerant	0	---
77-009	<i>Lepomis macrochirus</i> Northern bluegill sunfish	4	Moderately Tolerant	0	---
77-013	<i>Lepomis gibbosus</i> Pumpkinseed sunfish	1	Moderately Tolerant	0	---

Mill Creek Upstream of Canal Road

6/20/2016

River Mile: 0.12

80-015	<i>Etheostoma blenniodes</i> Greenside darter	1	Moderately Intolerant	0	---
80-022	<i>Etheostoma caeruleum</i> Rainbow darter	2	Moderately Intolerant	0	---
87-001	<i>Neogobius melanostomus</i> Round goby	1	--	0	---
	Totals	<u>422</u>		<u>0</u>	

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

Mill Creek Upstream of Canal Road
8/22/2016
River Mile: 0.12
Collection Method: Longline Electrofishing
Drainage Area: 19.5 miles²
Collection Distance: 0.15 km

Code	Species	Number	Pollution Tolerance	DELT Anomalies	
				#	Description
40-010	<i>Moxostoma erythrurum</i> Golden redhorse	5	Moderately Intolerant	0	---
40-015	<i>Hypentelium nigricans</i> Northern hog sucker	22	Moderately Intolerant	0	---
40-016	<i>Catostomus commersonii</i> Common white sucker	179	Highly Tolerant	0	---
43-011	<i>Rhinichthys atratulus</i> Blacknose dace	33	Highly Tolerant	0	---
43-013	<i>Semotilus atromaculatus</i> Creek chub	11	Highly Tolerant	0	---
43-026	<i>Notropis cornutus</i> Common shiner	28	--	0	---
43-032	<i>Cyprinella spiloptera</i> Spotfin shiner	68	--	0	---
43-034	<i>Notropis stramineus</i> Sand shiner	97	Moderately Intolerant	0	---
43-042	<i>Pimephales promelas</i> Northern fathead minnow	2	Highly Tolerant	0	---
43-043	<i>Pimephales notatus</i> Bluntnose minnow	21	Highly Tolerant	0	---
43-044	<i>Campostoma anomalum</i> Central stoneroller minnow	333	--	0	---
47-004	<i>Ictalurus natalis</i> Yellow bullhead	27	Highly Tolerant	0	---
77-004	<i>Micropterus dolomieu</i> Smallmouth bass	1	Moderately Intolerant	0	---
77-006	<i>Micropterus salmoides</i> Largemouth bass	3	--	0	---
77-008	<i>Lepomis cyanellus</i> Green sunfish	12	Highly Tolerant	0	---

Mill Creek Upstream of Canal Road

8/22/2016

River Mile: 0.12

77-009	<i>Lepomis macrochirus</i> Northern bluegill sunfish	13	Moderately Tolerant	0	---
77-013	<i>Lepomis gibbosus</i> Pumpkinseed sunfish	2	Moderately Tolerant	0	---
80-014	<i>Etheostoma nigrum</i> Johnny darter	4	--	0	---
80-015	<i>Etheostoma blenniodes</i> Greenside darter	30	Moderately Intolerant	0	---
80-022	<i>Etheostoma caeruleum</i> Rainbow darter	2	Moderately Intolerant	0	---
87-001	<i>Neogobius melanostomus</i> Round goby	4	--	0	---
34-001	<i>Umbra limi</i> Central Mudminnow	1	Tolerant	0	---
	Totals	<u>898</u>		<u>0</u>	

*DELT anomalies were observed on 0.00 % of the fish collected.
Index of Biotic Integrity (IBI) = 44 (Good)