

Mill Creek Upstream of South Miles Road

9/2/2015

River Mile: 8.30

Collection Method: Longline Electrofishing

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	514	Highly Tolerant	0	---
43-013	<i>Semotilus atromaculatus</i> Creek chub	160	Highly Tolerant	0	---
77-008	<i>Lepomis cyanellus</i> Green sunfish	2	Highly Tolerant	0	---
77-013	<i>Lepomis gibbosus</i> Pumpkinseed sunfish	1	Moderately Tolerant	0	---
Totals		<u>677</u>		<u>0</u>	

*DELT anomalies were observed on 0.00 % of the fish collected.
Index of Biotic Integrity (IBI) = 24 (Poor)

Mill Creek Downstream of Mill Creek Falls
7/24/2015
River Mile: 2.75
Collection Method: Longline Electrofishing
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	15	Highly Tolerant	0	---
43-002	<i>Carassius auratus</i> Goldfish	1	Highly Tolerant	0	---
43-011	<i>Rhinichthys atratulus</i> Western blacknose dace	82	Highly Tolerant	0	---
43-013	<i>Semotilus atromaculatus</i> Creek chub	115	Highly Tolerant	0	---
43-026	<i>Notropis cornutus</i> Common shiner	13	--	0	---
43-034	<i>Notropis stramineus</i> Sand shiner	1	Moderately Intolerant	0	---
43-044	<i>Campostoma anomalum</i> Central stoneroller minnow	352	--	0	---
77-008	<i>Lepomis cyanellus</i> Green sunfish	2	Highly 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) = 30 (Fair)

Mill Creek Upstream of Warner Road Tributary

7/22/2015

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	69	Highly Tolerant	0	---
43-011	<i>Rhinichthys atratulus</i> Western blacknose dace	42	Highly Tolerant	0	---
43-013	<i>Semotilus atromaculatus</i> Creek chub	99	Highly Tolerant	0	---
43-025	<i>Notropis chrysocephalus</i> Striped shiner	141	--	0	---
43-034	<i>Notropis stramineus</i> Sand shiner	3	Moderately Intolerant	0	---
43-042	<i>Pimephales promelas</i> Northern fathead minnow	1	Highly Tolerant	0	---
43-043	<i>Pimephales notatus</i> Bluntnose minnow	13	Highly Tolerant	0	---
43-044	<i>Campostoma anomalum</i> Central stoneroller minnow	347	--	0	---
47-004	<i>Ictalurus natalis</i> Yellow bullhead	4	Highly Tolerant	0	---
47-005	<i>Ictalurus nebulosus</i> Brown bullhead	1	Highly Tolerant	0	---
77-006	<i>Micropterus salmoides</i> Largemouth bass	3	--	0	---
77-008	<i>Lepomis cyanellus</i> Green sunfish	33	Highly Tolerant	0	---
77-009	<i>Lepomis macrochirus</i> Northern bluegill sunfish	4	Moderately Tolerant	0	---
77-013	<i>Lepomis gibbosus</i> Pumpkinseed sunfish	2	Moderately Tolerant	0	---
80-014	<i>Etheostoma nigrum</i> Johnny darter	1	--	0	---
Totals		<u>763</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

9/3/2015

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
25-002	<i>Oncorhynchus mykiss</i> Rainbow trout	1	--	0	---
40-016	<i>Catostomus commersonii</i> Common white sucker	170	Highly Tolerant	0	---
43-002	<i>Carassius auratus</i> Goldfish	2	Highly Tolerant	0	---
43-011	<i>Rhinichthys atratulus</i> Western blacknose dace	65	Highly Tolerant	0	---
43-013	<i>Semotilus atromaculatus</i> Creek chub	146	Highly Tolerant	0	---
43-025	<i>Notropis chrysocephalus</i> Striped shiner	157	--	0	---
43-042	<i>Pimephales promelas</i> Northern fathead minnow	2	Highly Tolerant	0	---
43-043	<i>Pimephales notatus</i> Bluntnose minnow	9	Highly Tolerant	0	---
43-044	<i>Campostoma anomalum</i> Central stoneroller minnow	621	--	0	---
47-004	<i>Ictalurus natalis</i> Yellow bullhead	5	Highly Tolerant	0	---
47-005	<i>Ictalurus nebulosus</i> Brown bullhead	1	Highly Tolerant	0	---
77-006	<i>Micropterus salmoides</i> Largemouth bass	5	--	0	---
77-008	<i>Lepomis cyanellus</i> Green sunfish	59	Highly Tolerant	0	---
77-009	<i>Lepomis macrochirus</i> Northern bluegill sunfish	10	Moderately Tolerant	0	---
77-013	<i>Lepomis gibbosus</i> Pumpkinseed sunfish	17	Moderately Tolerant	0	---
77-016	<i>HYBRID</i> Green SF X Pumpkinseed	6	--	0	---
	Totals	<u>1276</u>		<u>0</u>	

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

Mill Creek Upstream of Canal Road

7/23/2015

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
40-016	<i>Catostomus commersonii</i> Common white sucker	122	Highly Tolerant	0	---
43-002	<i>Carassius auratus</i> Goldfish	2	Highly Tolerant	0	---
43-003	<i>Notemigonus crysoleucas</i> Golden shiner	1	Highly Tolerant	0	---
43-011	<i>Rhinichthys atratulus</i> Western blacknose dace	3	Highly Tolerant	0	---
43-013	<i>Semotilus atromaculatus</i> Creek chub	18	Highly Tolerant	0	---
43-025	<i>Notropis chrysocephalus</i> Striped shiner	26	--	0	---
43-034	<i>Notropis stramineus</i> Sand shiner	41	Moderately Intolerant	0	---
43-042	<i>Pimephales promelas</i> Northern fathead minnow	1	Highly Tolerant	0	---
43-043	<i>Pimephales notatus</i> Bluntnose minnow	36	Highly Tolerant	0	---
43-044	<i>Campostoma anomalum</i> Central stoneroller minnow	370	--	0	---
47-004	<i>Ictalurus natalis</i> Yellow bullhead	3	Highly Tolerant	1	Lesion
47-005	<i>Ictalurus nebulosus</i> Brown bullhead	2	Highly Tolerant	0	---
77-004	<i>Micropterus dolomieu</i> Smallmouth bass	3	Moderately Intolerant	0	---
77-006	<i>Micropterus salmoides</i> Largemouth bass	5	--	0	---
77-007	<i>Lepomis gulosus</i> Warmouth sunfish	3	--	0	---
77-008	<i>Lepomis cyanellus</i> Green sunfish	33	Highly Tolerant	0	---
77-009	<i>Lepomis macrochirus</i> Northern bluegill sunfish	15	Moderately Tolerant	0	---
77-013	<i>Lepomis gibbosus</i> Pumpkinseed sunfish	8	Moderately Tolerant	0	---
80-003	<i>Perca flavescens</i> Yellow perch	3	--	0	---
80-014	<i>Etheostoma nigrum</i> Johnny darter	1	--	0	---
80-015	<i>Etheostoma blenniodes</i> Greenside darter	3	Moderately Intolerant	0	---
87-001	<i>Neogobius melanostomus</i> Round goby	1	--	0	---
Totals		<u>700</u>		<u>1</u>	

*DELT anomalies were observed on 0.14 % of the fish collected.
Index of Biotic Integrity (IBI) = 38 (Marginally Good)

Mill Creek Upstream of Canal Road
9/2/2015
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
40-015	<i>Hypentelium nigricans</i> Northern hog sucker	3	Moderately Intolerant	0	---
40-016	<i>Catostomus commersonii</i> Common white sucker	97	Highly Tolerant	0	---
43-011	<i>Rhinichthys atratulus</i> Western blacknose dace	9	Highly Tolerant	0	---
43-013	<i>Semotilus atromaculatus</i> Creek chub	22	Highly Tolerant	0	---
43-025	<i>Notropis chrysocephalus</i> Striped shiner	42	--	0	---
43-034	<i>Notropis stramineus</i> Sand shiner	50	Moderately Intolerant	0	---
43-039	<i>Ericymba buccata</i> Silverjaw minnow	10	--	0	---
43-043	<i>Pimephales notatus</i> Bluntnose minnow	54	Highly Tolerant	0	---
43-044	<i>Campostoma anomalum</i> Central stoneroller minnow	537	--	0	---
47-004	<i>Ictalurus natalis</i> Yellow bullhead	5	Highly Tolerant	0	---
47-005	<i>Ictalurus nebulosus</i> Brown bullhead	2	Highly Tolerant	0	---
77-004	<i>Micropterus dolomieu</i> Smallmouth bass	1	Moderately Intolerant	0	---
77-006	<i>Micropterus salmoides</i> Largemouth bass	2	--	0	---
77-008	<i>Lepomis cyanellus</i> Green sunfish	21	Highly Tolerant	0	---
77-009	<i>Lepomis macrochirus</i> Northern bluegill sunfish	19	Moderately Tolerant	0	---
77-013	<i>Lepomis gibbosus</i> Pumpkinseed sunfish	1	Moderately Tolerant	0	---
77-015	<i>HYBRID</i> Green SF X Bluegill SF	11	--	0	---
80-003	<i>Perca flavescens</i> Yellow perch	2	--	0	---
80-011	<i>Percina caprodes</i> Northern logperch darter	2	Moderately Intolerant	0	---
80-015	<i>Etheostoma blenniodes</i> Greenside darter	25	Moderately Intolerant	0	---
80-022	<i>Etheostoma caeruleum</i> Rainbow darter	1	Moderately Intolerant	0	---
Totals		<u>916</u>		<u>0</u>	

*DELT anomalies were observed on 0.00 % of the fish collected.
Index of Biotic Integrity (IBI) = 46 (Very Good)