

Mill Creek Upstream of Canal Road
7/1/2010
River Mile: 0.12
Collection Method: Longline Electroshocking
Drainage Area: 19.5 miles²
Collection Distance: 0.15 km

<u>Species</u>	<u>Number</u>	<u>Pollution Tolerance</u>	<u>#</u>	<u>DELT Anomalies Description</u>
<i>Oncorhynchus mykiss</i> Rainbow trout	7	--	0	--
<i>Catostomus commersonii</i> Common white sucker	75	Highly Tolerant	0	--
<i>Rhinichthys atratulus</i> Western blacknose dace	20	Highly Tolerant	0	--
<i>Semotilus atromaculatus</i> Creek chub	163	Highly Tolerant	0	--
<i>Notropis cornutus</i> Common shiner	7	--	0	--
<i>Notropis stramineus</i> Sand shiner	22	Moderately Intolerant	0	--
<i>Pimephales notatus</i> Bluntnose minnow	4	Highly Tolerant	0	--
<i>Campostoma anomalum</i> Central stoneroller minnow	172	--	0	--
<i>Ictalurus natalis</i> Yellow bullhead	1	Highly Tolerant	0	--
<i>Ictalurus nebulosus</i> Brown bullhead	2	Highly Tolerant	1	Lesion
<i>Lepomis cyanellus</i> Green sunfish	2	Highly Tolerant	0	--
<i>Lepomis macrochirus</i> Northern bluegill sunfish	2	Moderately Tolerant	0	--
<i>Lepomis gibbosus</i> Pumpkinseed sunfish	1	Moderately Tolerant	0	--
<i>Etheostoma nigrum</i> Johnny darter	7	--	0	--

Mill Creek Upstream of Canal Road

7/1/2010

River Mile: 0.12

Totals	<u>485</u>	<u>1</u>
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*DELT anomalies were observed on 0.2 of the fish collected.
Index of Biotic Integrity (IBI) = 28 (Fair)

Mill Creek Upstream of Canal Road
9/8/2010
River Mile: 0.12
Collection Method: Longline Electroshocking
Drainage Area: 19.5 miles²
Collection Distance: 0.15 km

<u>Species</u>	<u>Number</u>	<u>Pollution Tolerance</u>	<u>#</u>	<u>DELT Anomalies Description</u>
<i>Hypentelium nigricans</i> Northern hog sucker	2	Moderately Intolerant	0	--
<i>Catostomus commersonii</i> Common white sucker	119	Highly Tolerant	0	--
<i>Rhinichthys atratulus</i> Western blacknose dace	22	Highly Tolerant	0	--
<i>Semotilus atromaculatus</i> Creek chub	175	Highly Tolerant	0	--
<i>Notropis cornutus</i> Common shiner	27	--	0	--
<i>Cyprinella spiloptera</i> Spotfin shiner	3	--	0	--
<i>Notropis stramineus</i> Sand shiner	19	Moderately Intolerant	0	--
<i>Pimephales promelas</i> Northern fathead minnow	1	Highly Tolerant	0	--
<i>Pimephales notatus</i> Bluntnose minnow	21	Highly Tolerant	0	--
<i>Campostoma anomalum</i> Central stoneroller minnow	383	--	0	--
<i>Ictalurus natalis</i> Yellow bullhead	4	Highly Tolerant	0	--
<i>Micropterus dolomieu</i> Smallmouth bass	1	Moderately Intolerant	0	--
<i>Lepomis cyanellus</i> Green sunfish	5	Highly Tolerant	0	--
<i>Lepomis macrochirus</i> Northern bluegill sunfish	11	Moderately Tolerant	0	--

**Mill Creek Upstream of Canal Road
9/8/2010**

River Mile: 0.12

<i>Lepomis gibbosus</i> Pumpkinseed sunfish	2	Moderately Tolerant	0	--
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Totals	<u>795</u>		<u>0</u>	
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*DELT anomalies were observed on 0.0 of the fish collected.
Index of Biotic Integrity (IBI) = 38 (Marginally Good)

Mill Creek Upstream of South Miles Road

7/8/2010

River Mile: 8.30

Collection Method: Longline Electroshocking

Drainage Area: 3.9 miles²

Collection Distance: 0.15 km

<u>Species</u>	<u>Number</u>	<u>Pollution Tolerance</u>	<u>#</u>	<u>DELT Anomalies Description</u>
<i>Rhinichthys atratulus</i> Western blacknose dace	135	Highly Tolerant	0	--
<i>Semotilus atromaculatus</i> Creek chub	155	Highly Tolerant	0	--
<i>Pimephales promelas</i> Northern fathead minnow	2	Highly Tolerant	0	--
<i>Lepomis cyanellus</i> Green sunfish	6	Highly Tolerant	0	--
Totals	<u>298</u>		<u>0</u>	

*DELT anomalies were observed on 0.0 of the fish collected.
Index of Biotic Integrity (IBI) = 24 (Poor)

Mill Creek Upstream of South Miles Road
9/9/2010
River Mile: 8.30
Collection Method: Longline Electroshocking
Drainage Area: 3.9 miles²
Collection Distance: 0.15 km

<u>Species</u>	<u>Number</u>	<u>Pollution Tolerance</u>	<u>#</u>	<u>DELT Anomalies Description</u>
<i>Rhinichthys atratulus</i> Western blacknose dace	110	Highly Tolerant	0	--
<i>Semotilus atromaculatus</i> Creek chub	66	Highly Tolerant	0	--
<i>Lepomis cyanellus</i> Green sunfish	5	Highly Tolerant	0	--
Totals	<u>181</u>		<u>0</u>	

*DELT anomalies were observed on 0.0 of the fish collected.
 Index of Biotic Integrity (IBI) = 22 (Poor)