

**Mill Creek Upstream of Northfield Road**  
**7/18/2013**  
**River Mile: 10.13**  
**Collection Method: Backpack Electroshocking**  
**Drainage Area: 2.6 miles<sup>2</sup>**  
**Collection Distance: 0.15 km**

Species	Number	Pollution Tolerance	DELT Anomalies #	Description
Carassius auratus Goldfish	1	Highly Tolerant	0	---
Rhinichthys atratulus Western blacknose dace	38	Highly Tolerant	0	---
Semotilus atromaculatus Creek chub	21	Highly Tolerant	0	---
Lepomis gibbosus Pumpkinseed sunfish	1	Moderately Tolerant	0	---
Totals	<u>61</u>		<u>0</u>	

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

**Mill Creek Upstream of South Miles Road**

**7/24/2013**

**River Mile: 8.30**

**Collection Method: Backpack Electroshocking**

**Drainage Area: 3.9 miles<sup>2</sup>**

**Collection Distance: 0.15 km**

<b>Species</b>	<b>Number</b>	<b>Pollution Tolerance</b>	<b>DELT Anomalies #</b>	<b>Description</b>
Rhinichthys atratulus	156	Highly	0	---
Western blacknose dace		Tolerant		
Semotilus atromaculatus	71	Highly	0	---
Creek chub		Tolerant		
Totals	<u>227</u>		<u>0</u>	

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

**Mill Creek at Rex Avenue**  
**8/13/2013**  
**River Mile: 6.80**  
**Collection Method: Backpack Electroshocking**  
**Drainage Area: 4.4 miles<sup>2</sup>**  
**Collection Distance: 0.15 km**

<b>Species</b>	<b>Number</b>	<b>Pollution Tolerance</b>	<b>DELT Anomalies #</b>	<b>Description</b>
Rhinichthys atratulus	60	Highly	0	---
Western blacknose dace		Tolerant		
Semotilus atromaculatus	65	Highly	0	---
Creek chub		Tolerant		
Totals	<u>125</u>		<u>0</u>	

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

**Mill Creek at Broadway Avenue**  
**8/13/2013**  
**River Mile: 3.15**  
**Collection Method: Backpack Electroshocking**  
**Drainage Area: 14.6 miles<sup>2</sup>**  
**Collection Distance: 0.15 km**

Species	Number	Pollution Tolerance	DELT Anomalies #	Description
Carassius auratus Goldfish	1	Highly Tolerant	0	---
Rhinichthys atratulus Western blacknose dace	91	Highly Tolerant	0	---
Semotilus atromaculatus Creek chub	215	Highly Tolerant	2	Lesion
Totals	<u>307</u>		<u>2</u>	

\*DELT anomalies were observed on 0.7 % of the fish collected.  
 Index of Biotic Integrity (IBI) = 18 (Poor)

**Mill Creek Downstream of Mill Creek Falls**  
**8/15/2013**  
**River Mile: 2.75**  
**Collection Method: Backpack Electroshocking**  
**Drainage Area: 14.6 miles<sup>2</sup>**  
**Collection Distance: 0.15 km**

<b>Species</b>	<b>Number</b>	<b>Pollution Tolerance</b>	<b>DELT Anomalies #</b>	<b>Description</b>
Catostomus commersonii Common white sucker	34	Highly Tolerant	0	---
Rhinichthys atratulus Western blacknose dace	74	Highly Tolerant	0	---
Semotilus atromaculatus Creek chub	129	Highly Tolerant	0	---
Notropis cornutus Common shiner	1	--	0	---
Pimephales promelas Northern fathead minnow	1	Highly Tolerant	0	---
Pimephales notatus Bluntnose minnow	4	Highly Tolerant	0	---
Camptostoma anomalum Central stoneroller minnow	343	--	0	---
Lepomis cyanellus Green sunfish	1	Highly Tolerant	0	---
Clinostomus elongatus Redside Dace	1	Intolerant	0	---
<b>Totals</b>	<b><u>588</u></b>		<b><u>0</u></b>	

\*DELT anomalies were observed on 0.0 % of the fish collected.  
Index of Biotic Integrity (IBI) = 38 (Marginally Good)

**Mill Creek Upstream of Warner Road Tributary**  
**7/19/2013**  
**River Mile: 0.70**  
**Collection Method: Longline Electroshocking**  
**Drainage Area: 18.2 miles<sup>2</sup>**  
**Collection Distance: 0.15 km**

<b>Species</b>	<b>Number</b>	<b>Pollution Tolerance</b>	<b>DELT Anomalies #</b>	<b>Description</b>
Oncorhynchus mykiss Rainbow trout	1	--	0	---
Hypentelium nigricans Northern hog sucker	1	Moderately Intolerant	0	---
Catostomus commersonii Common white sucker	105	Highly Tolerant	0	---
Rhinichthys atratulus Western blacknose dace	32	Highly Tolerant	0	---
Semotilus atromaculatus Creek chub	83	Highly Tolerant	0	---
Notropis cornutus Common shiner	41	--	0	---
Notropis stramineus Sand shiner	32	Moderately Intolerant	0	---
Pimephales notatus Bluntnose minnow	8	Highly Tolerant	0	---
Campostoma anomalum Central stoneroller minnow	421	--	0	---
Ictalurus natalis Yellow bullhead	5	Highly Tolerant	1	Multiple
Ictalurus nebulosus Brown bullhead	1	Highly Tolerant	0	---
Micropterus salmoides Largemouth bass	2	--	0	---
Lepomis gulosus Warmouth sunfish	1	--	0	---
Lepomis cyanellus Green sunfish	15	Highly Tolerant	0	---
Lepomis macrochirus Northern bluegill sunfish	12	Moderately Tolerant	0	---

**Mill Creek Upstream of Warner Road Tributary**

**7/19/2013**

**River Mile: 0.70**

Lepomis gibbosus Pumpkinseed sunfish	1	Moderately Tolerant	0	---
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Totals	<u>761</u>		<u>1</u>	
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*DELT anomalies were observed on	0.1	% of the fish collected.
Index of Biotic Integrity (IBI) =	36	(Marginally Good)

**Mill Creek Upstream of Canal Road**  
**7/18/2013**  
**River Mile: 0.12**  
**Collection Method: Longline Electroshocking**  
**Drainage Area: 19.5 miles<sup>2</sup>**  
**Collection Distance: 0.15 km**

<b>Species</b>	<b>Number</b>	<b>Pollution Tolerance</b>	<b>DELT Anomalies #</b>	<b>Description</b>
Hypentelium nigricans Northern hog sucker	1	Moderately Intolerant	0	---
Catostomus commersonii Common white sucker	51	Highly Tolerant	0	---
Carassius auratus Goldfish	1	Highly Tolerant	0	---
Rhinichthys atratulus Western blacknose dace	2	Highly Tolerant	0	---
Semotilus atromaculatus Creek chub	37	Highly Tolerant	0	---
Notropis cornutus Common shiner	9	--	0	---
Cyprinella spiloptera Spotfin shiner	5	--	0	---
Notropis stramineus Sand shiner	50	Moderately Intolerant	0	---
Pimephales notatus Bluntnose minnow	3	Highly Tolerant	0	---
Campostoma anomalum Central stoneroller minnow	120	--	0	---
Ictalurus natalis Yellow bullhead	4	Highly Tolerant	0	---
Micropterus dolomieu Smallmouth bass	3	Moderately Intolerant	0	---
Micropterus salmoides Largemouth bass	4	--	0	---
Lepomis gulosus Warmouth sunfish	2	--	0	---
Lepomis cyanellus Green sunfish	19	Highly Tolerant	0	---



**Mill Creek Upstream of Canal Road  
7/18/2013**

**River Mile: 0.12**

Lepomis macrochirus Northern bluegill sunfish	4	Moderately Tolerant	0	---
Etheostoma nigrum Johnny darter	1	--	0	---
Totals	<u>316</u>		<u>0</u>	

\*DELT anomalies were observed on 0.0 % of the fish collected.  
Index of Biotic Integrity (IBI) = 38 (Marginally Good)