## Mill Creek Upstream of Northfield Road 7/18/2013

### River Mile: 10.13

**Collection Method: Backpark Electroshocking** 

Drainage Area: 2.6 miles2
Collection Distance: 0.15 km

		DELT			
		Pollution	Anomalie	es	
Species	Number	Tolerance	#	Description	
Carassius auratus Goldfish	1	Highly Tolerant	0		
Rhinicthys 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	61		0	:	
*DELT anomalies were observed on Index of Biotic Integrity (IBI) =	0.0 % of 22 (Poo	the fish collected. r)			

### Mill Creek Upstream of South Miles Road

#### 7/24/2013 River Mile: 8.30

**Collection Method: Backpack Electroshocking** 

Drainage Area: 3.9 miles2
Collection Distance: 0.15 km

			DELT	
		Pollution	Anomalie	es
Species	Number	Tolerance	#	Description
Rhinicthys atratulus	156	Highly	0	
Western blacknose dace		Tolerant		
Semotilus atromaculatus	71	Highly	0	
Creek chub		Tolerant		
Totals	227		0	=
*DELT anomalies were observed on	0.0 % of	the fish collected.		
Index of Biotic Integrity (IBI) =	22 (Poo			
muck of blotte integrity (IDI) =	ZZ (FUU	1 <i>)</i>		

## Mill Creek at Rex Avenue 8/13/2013

### River Mile: 6.80

### **Collection Method: Backpack Electroshocking**

Drainage Area: 4.4 miles2
Collection Distance: 0.15 km

		Pollution	DELT Anomali	es
Species	Number	Tolerance	#	Description
Rhinicthys atratulus	60	Highly	0	
Western blacknose dace		Tolerant		
Semotilus atromaculatus	65	Highly	0	
Creek chub		Tolerant		
Totals	125		0	=
*DELT anomalies were observed on Index of Biotic Integrity (IBI) =	0.0 % of 22 (Poo	the fish collected. r)		

### Mill Creek at Broadway Avenue 8/13/2013

River Mile: 3.15

### **Collection Method: Backpack Electroshocking**

Drainage Area: 14.6 miles2 Collection Distance: 0.15 km

		Pollution	DELT Anomalie	es.
Species	Number	Tolerance	#	Description
Carassius auratus Goldfish	1	Highly Tolerant	0	
Rhinicthys atratulus Western blacknose dace	91	Highly Tolerant	0	
Semotilus atromaculatus Creek chub	215	Highly Tolerant	2	Lesion
Totals	307		2	
*DELT anomalies were observed on Index of Biotic Integrity (IBI) =	0.7 % of 18 (Poo	the fish collected. r)		

## Mill Creek Downstream of Mill Creek Falls 8/15/2013

River Mile: 2.75

**Collection Method: Backpack Electroshocking** 

Drainage Area: 14.6 miles2
Collection Distance: 0.15 km

			DELT		
		Pollution	Anomalie	s	
Species	Number	Tolerance	#	Description	
Catostomus commersonii	34	Highly	0		
Common white sucker		Tolerant			
Rhinicthys atratulus	74	Highly	0		
Western blacknose dace		Tolerant	Ŭ		
Western blacknose date		rolerant			
Semotilus atromaculatus	129	Highly	0		
Creek chub	129	Tolerant	U		
Creek Chub		rolerant			
Notropis cornutus	1		0		
	ı		U		
Common shiner					
Dimenhales premales	1	Highly	0		
Pimephales promelas	1	Highly	U		
Northern fathead minnow		Tolerant			
Dimonhalos notatus	4	Highly	0		
Pimephales notatus	4	Highly	U		
Bluntnose minnow		Tolerant			
Campostoma anomalum	343		0		
Central stoneroller minnow	343		U		
Central stoneroller minnow					
Lepomis cyanellus	1	Highly	0		
Green sunfish	'	Tolerant	U		
Green sumish		roierant			
Clinostomus elongatus	1	Intolerant	0		
Redside Dace	'	intolerant	U		
Reuside Dace					
Totals	588		0		
*DELT anomalies were observed on	0.0	% of the fish collected.			
Index of Biotic Integrity (IBI) =		(Marginally Good)			
muex or blotte integrity (ibi) =	30 (	(ivialgillally Good)			

## Mill Creek Upstream of Warner Road Tributary 7/19/2013

River Mile: 0.70

**Collection Method: Longline Electroshocking** 

Drainage Area: 18.2 miles2
Collection Distance: 0.15 km

	Collection Distance.	U. 13 KIII		
Species Oncorhynchus mykiss Rainbow trout	Number 1	Pollution Tolerance 	DELT Anomalie # 0	s Description 
Hypentelium nigricans Northern hog sucker	1	Moderately Intolerant	0	
Catostomus commersonii Common white sucker	105	Highly Tolerant	0	
Rhinicthys 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

	INIVEL MILIE. 0.70		
Lepomis gibbosus Pumpkinseed sunfish	1 Moderately Tolerant	0	
Totals	<u>761</u>	1	
*DELT anomalies were observed on Index of Biotic Integrity (IBI) =	<ul><li>0.1 % of the fish collected.</li><li>36 (Marginally Good)</li></ul>		

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

River Mile: 0.12

**Collection Method: Longline Electroshocking** 

Drainage Area: 19.5 miles2
Collection Distance: 0.15 km

			DELT	
Species Hypentelium nigricans Northern hog sucker	Number 1	Pollution Tolerance Moderately Intolerant	Anomalie # 0	es Description 
Catostomus commersonii Common white sucker	51	Highly Tolerant	0	
Carassius auratus Goldfish	1	Highly Tolerant	0	
Rhinicthys 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	<del></del>	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 dolomieui 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

	INIVEL IVILIE. U	. 1 4		
Lepomis macrochirus	4	Moderately	0	
Northern bluegill sunfish		Tolerant		
Ethestoma nigrum	1		0	
Johnny darter				
Totals	316		0	
*DELT anomalies were observed on Index of Biotic Integrity (IBI) =		6 of the fish collected.  Marginally Good)		
index of biolic integrity (ibi) =	36 (I	vialgillally Good)		