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

	0000				
Code 43-011	Species <i>Rhinicthys atratulus</i> Western blacknose dace	Number 514	Pollution Tolerance Highly Tolerant	# 0	DELT Anomalies Description
43-013	Semotilus atromaculatus Creek chub	160	Highly Tolerant	0	
77-008	<i>Lepomis cyanellus</i> Green sunfish	2	Highly Tolerant	0	
77-013	Lepomis gibbosus Pumpkinseed sunfish	1	Moderately Tolerant	0	
	Totals	677		0	
	*DELT anomalies were observed on	0.00 % of th	e fish collected		

*DELT anomalies were observed on Index of Biotic Integrity (IBI) =

0.00 % of the fish collected.

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	#	Anomalies Description
40-016	Catostomus commersonii Common white sucker	15	Highly Tolerant	0	
43-002	Carassius auratus Goldfish	1	Highly Tolerant	0	
43-011	Rhinicthys atratulus Western blacknose dace	82	Highly Tolerant	0	
43-013	Semotilus atromaculatus Creek chub	115	Highly Tolerant	0	
43-026	Notropis cornutus Common shiner	13		0	
43-034	Notropis stramineus Sand shiner	1	Moderately Intolerant	0	
43-044	Campostoma anomalum Central stoneroller minnow	352		0	
77-008	Lepomis cyanellus Green sunfish	2	Highly Tolerant	0	
	Totals	<u>581</u>		0	
	*DELT anomalies were observed on	0.00 % of	the fish collected		

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

DELT

30 (Fair)

Mill Creek Upstream of Warner Road Tributary 7/22/2015

River Mile: 0.70

DELT

Collection Method: Longline Electrofishing Drainage Area: 18.2 miles2

Collection Distance: 0.15 km

Code 40-016	Species Catostomus commersonii Common white sucker	Number 69	Pollution Tolerance Highly Tolerant	# 0	Anomalies Description
43-011	Rhinicthys atratulus Western blacknose dace	42	Highly Tolerant	0	
43-013	Semotilus atromaculatus Creek chub	99	Highly Tolerant	0	
43-025	Notropis chrysocephalus Striped shiner	141		0	
43-034	Notropis stramineus Sand shiner	3	Moderately Intolerant	0	
43-042	Pimephales promelas Northern fathead minnow	1	Highly Tolerant	0	
43-043	Pimephales notatus Bluntnose minnow	13	Highly Tolerant	0	
43-044	Campostoma anomalum Central stoneroller minnow	347		0	
47-004	<i>Ictalurus natalis</i> Yellow bullhead	4	Highly Tolerant	0	
47-005	Ictalurus nebulosus Brown bullhead	1	Highly Tolerant	0	
77-006	Micropterus salmoides Largemouth bass	3		0	
77-008	Lepomis cyanellus Green sunfish	33	Highly Tolerant	0	
77-009	Lepomis macrochirus Northern bluegill sunfish	4	Moderately Tolerant	0	
77-013	Lepomis gibbosus Pumpkinseed sunfish	2	Moderately Tolerant	0	
80-014	Ethestoma nigrum Johnny darter	1		0	
	Totals	<u>763</u>		0	

*DELT anomalies were observed on Index of Biotic Integrity (IBI) = 0.00 % of the fish collected.38 (Marginally Good)

Mill Creek Upstream of Warner Road Tributary 9/3/2015

River Mile: 0.70

DELT

Collection Method: Longline Electrofishing Drainage Area: 18.2 miles2 **Collection Distance:** 0.15 km

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

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

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(Fair)

Index of Biotic Integrity (IBI) =

Mill Creek Upstream of Canal Road 7/23/2015

River Mile: 0.12

DELT

Collection Method: Longline Electrofishing
Drainage Area: 19.5 miles2
Collection Distance: 0.15 km

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

*DELT anomalies were observed on Index of Biotic Integrity (IBI) =

0.14 % of the fish collected.38 (Marginally Good)

Mill Creek Upstream of Canal Road 9/2/2015

River Mile: 0.12

DELT

Collection Method: Longline Electrofishing Drainage Area: 19.5 miles2 **Collection Distance:** 0.15 km

			Dellution	Λ	DELT
Code	Species	Number	Pollution Tolerance		nomalies
40-015	Hypentelium nigricans	3	Moderately	# [Description
40-013	Northern hog sucker	3	Intolerant	U	
	Northern nog Stoker		moorant		
40-016	Catostomus commersonii	97	Highly	0	
	Common white sucker		Tolerant		
43-011	Rhinicthys atratulus	9	Highly	0	
	Western blacknose dace		Tolerant		
43-013	Semotilus atromaculatus	22	Highly	0	
	Creek chub		Tolerant		
42.005	Natura in about a combality	40		0	
43-025	Notropis chrysocephalus Striped shiner	42		0	
	Striped Stiller				
43-034	Notropis stramineus	50	Moderately	0	
.0 00 .	Sand shiner	00	Intolerant	Ū	
43-039	Ericymba buccata	10		0	
	Silverjaw minnow				
43-043	Pimephales notatus	54	Highly	0	
	Bluntnose minnow		Tolerant		
10.011	0	507		0	
43-044	Campostoma anomalum	537		0	
	Central stoneroller minnow				
47-004	lctalurus natalis	5	Highly	0	
47 004	Yellow bullhead	J	Tolerant	U	
	renew Samreau		roioiani		
47-005	Ictalurus nebulosus	2	Highly	0	
	Brown bullhead		Tolerant		
77-004	Micropterus dolomieui	1	Moderately	0	
	Smallmouth bass		Intolerant		
77 000	Migrantows	0		0	
77-006	Micropterus salmoides Largemouth bass	2		0	
	Largemoun bass				
77-008	Lepomis cyanellus	21	Highly	0	
000	Green sunfish		Tolerant	Ū	
77-009	Lepomis macrochirus	19	Moderately	0	
	Northern bluegill sunfish		Tolerant		
77-013	Lepomis gibbosus	1	Moderately	0	
	Pumpkinseed sunfish		Tolerant		
77.045	LIVERID	4.4		0	
77-015	HYBRID	11		0	
	Green SF X Bluegill SF				
80-003	Perca flavescens	2		0	
00 000	Yellow perch	_		Ü	
80-011	Percina caprodes	2	Moderately	0	
	Northern logperch darter		Intolerant		
80-015	Etheostoma blenniodes	25	Moderately	0	
	Greenside darter		Intolerant		
90 022	Ethestoma caeruleum	4	Modorataly	0	
80-022	Rainbow darter	1	Moderately Intolerant	0	
	Nambow darter		intolorant		
	Totals	916		0	

*DELT anomalies were observed on

Index of Biotic Integrity (IBI) =

0.00 % of the fish collected. (Very Good)

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