



Mill Creek Upstream of Restoration (Highland Golf Course)

6/24/2024

River Mile: 11.52

Collection Method: Longline Electrofishing

Drainage Area: 1.3 square miles

0.15 km

IBI Type: Headwaters

Code	Species	No.	Pollution Tolerance	DELT Anomalies	
				#	Description
43-011	<i>Rhinichthys atratulus</i> Blacknose dace	13	Tolerant	0	--
43-013	<i>Semotilus atromaculatus</i> Creek chub	56	Tolerant	0	--
Totals		69		0	

*DELT anomalies were observed on = 0 % of the fish collected

Index of Biotic Integrity (IBI) = 22 (Poor)



Mill Creek Upstream of Restoration (Highland Golf Course)

8/20/2024

River Mile: 11.52

Collection Method: Longline Electrofishing

Drainage Area: 1.3 square miles

0.15 km

IBI Type: Headwaters

Code	Species	No.	Pollution Tolerance	DELT Anomalies	
				#	Description
43-011	<i>Rhinichthys atratulus</i> Blacknose dace	86	Tolerant	0	--
43-013	<i>Semotilus atromaculatus</i> Creek chub	163	Tolerant	0	--
Totals		249		0	

*DELT anomalies were observed on = 0 % of the fish collected

Index of Biotic Integrity (IBI) = 22 (Poor)



Mill Creek Downstream of Restoration (Highland Golf Course)

6/24/2024

River Mile: 10.70

Collection Method: Longline Electrofishing

Drainage Area: 1.8 square miles
0.15 km

IBI Type: Headwaters

Code	Species	No.	Pollution Tolerance	DELT Anomalies	
				#	Description
43-011	<i>Rhinichthys atratulus</i> Blacknose dace	409	Tolerant	0	--
43-013	<i>Semotilus atromaculatus</i> Creek chub	329	Tolerant	0	--
Totals		738		0	

*DELT anomalies were observed on = 0 % of the fish collected

Index of Biotic Integrity (IBI) = 22 (Poor)



Mill Creek Downstream of Restoration (Highland Golf Course)

8/20/2024

River Mile: 10.70

Collection Method: Longline Electrofishing

Drainage Area: 1.8 square miles

0.15 km

IBI Type: Headwaters

Code	Species	No.	Pollution Tolerance	DELT Anomalies	
				#	Description
43-011	<i>Rhinichthys atratulus</i> Blacknose dace	441	Tolerant	0	--
43-013	<i>Semotilus atromaculatus</i> Creek chub	157	Tolerant	0	--
Totals		598		0	

*DELT anomalies were observed on = 0 % of the fish collected

Index of Biotic Integrity (IBI) = 24 (Poor)



Mill Creek Upstream of South Miles Road
7/1/2024
River Mile: 8.30
Collection Method: Longline Electrofishing
Drainage Area: 3.9 square miles
0.15 km
IBI Type: Headwaters

Code	Species	No.	Pollution Tolerance	DELT Anomalies	Description
43-011	<i>Rhinichthys atratulus</i> Blacknose dace	287	Tolerant	# 0	--
43-013	<i>Semotilus atromaculatus</i> Creek chub	333	Tolerant	0	--
43-042	<i>Pimephales promelas</i> Northern fathead minnow	1	Tolerant	0	--
77-008	<i>Lepomis cyanellus</i> Green sunfish	5	Tolerant	0	--
Totals		626		0	

*DELT anomalies were observed on = 0 % of the fish collected

Index of Biotic Integrity (IBI) = 24 (Poor)



Mill Creek Upstream of South Miles Road
10/3/2024
River Mile: 8.30
Collection Method: Longline Electrofishing
Drainage Area: 3.9 square miles
0.15 km
IBI Type: Headwaters

Code	Species	No.	Pollution Tolerance	DELT Anomalies	
				#	Description
43-011	<i>Rhinichthys atratulus</i> Blacknose dace	345	Tolerant	0	--
43-013	<i>Semotilus atromaculatus</i> Creek chub	367	Tolerant	0	--
43-042	<i>Pimephales promelas</i> Northern fathead minnow	3	Tolerant	0	--
77-008	<i>Lepomis cyanellus</i> Green sunfish	2	Tolerant	0	--
Totals		717		0	

*DELT anomalies were observed on = 0 % of the fish collected

Index of Biotic Integrity (IBI) = 24 (Poor)



Mill Creek Downstream of Kerruish Basin
7/1/2024
River Mile: 7.40
Collection Method: Longline Electrofishing
Drainage Area: 4.42 square miles
0.15 km
IBI Type: Headwaters

Code	Species	No.	Pollution Tolerance	DELT Anomalies	
				#	Description
43-011	<i>Rhinichthys atratulus</i> Blacknose dace	336	Tolerant	0	--
43-013	<i>Semotilus atromaculatus</i> Creek chub	95	Tolerant	0	--
Totals		431		0	

*DELT anomalies were observed on = 0 % of the fish collected

Index of Biotic Integrity (IBI) = 24 (Poor)



Mill Creek Downstream of Kerruish Basin
8/20/2024
River Mile: 7.40
Collection Method: Longline Electrofishing
Drainage Area: 4.42 square miles
0.15 km
IBI Type: Headwaters

Code	Species	No.	Pollution Tolerance	DELT Anomalies	# Description
43-011	<i>Rhinichthys atratulus</i> Blacknose dace	269	Tolerant	0	--
43-013	<i>Semotilus atromaculatus</i> Creek chub	193	Tolerant	0	--
Totals		462		0	

*DELT anomalies were observed on = 0 % of the fish collected

Index of Biotic Integrity (IBI) = 22 (Poor)



Mill Creek at Broadway between Falls and Wolf Creek
7/5/2024
River Mile: 3.15
Collection Method: Longline Electrofishing Drainage
Area: 14.6 square miles
0.15 km
IBI Type: Headwaters

Code	Species	No.	Pollution Tolerance	DELT Anomalies	
				#	Description
43-002	<i>Carassius auratus</i> Goldfish	1	Tolerant	0	--
43-011	<i>Rhinichthys atratulus</i> Blacknose dace	214	Tolerant	0	--
43-013	<i>Semotilus atromaculatus</i> Creek chub	307	Tolerant	0	--
Totals		522		0	

*DELT anomalies were observed on = 0 % of the fish collected
Index of Biotic Integrity (IBI) = 20 (Poor)



Mill Creek at Broadway between Falls and Wolf Creek
10/3/2024
River Mile: 3.15
Collection Method: Longline Electrofishing Drainage
Area: 14.6 square miles
0.15 km
IBI Type: Headwaters

Code	Species	No.	Pollution Tolerance	DELT Anomalies	
				#	Description
43-002	<i>Carassius auratus</i> Goldfish	9	Tolerant	0	--
43-011	<i>Rhinichthys atratulus</i> Blacknose dace	134	Tolerant	0	--
43-013	<i>Semotilus atromaculatus</i> Creek chub	208	Tolerant	0	--
Totals		351		0	

*DELT anomalies were observed on = 0 % of the fish collected
Index of Biotic Integrity (IBI) = 20 (Poor)



Mill Creek Upstream of Warner Road
6/18/2024
River Mile: 0.70
Collection Method: Longline Electrofishing
Drainage Area: 18.2 square miles
0.15 km
IBI Type: Headwaters

Code	Species	No.	Pollution Tolerance	#	DELT Anomalies Description
40-016	<i>Catostomus commersonii</i> Common white sucker	278	Tolerant	0	--
43-011	<i>Rhinichthys atratulus</i> Blacknose dace	71	Tolerant	0	--
43-013	<i>Semotilus atromaculatus</i> Creek chub	82	Tolerant	0	--
43-026	<i>Notropis cornutus</i> Common shiner	2	--	0	--
43-034	<i>Notropis stramineus</i> Sand shiner	4	Moderately Intolerant	0	--
43-043	<i>Pimephales notatus</i> Bluntnose minnow	64	Tolerant	0	--
43-044	<i>Campostoma anomalum</i> Central stoneroller minnow	813	--	1	Deformities
47-004	<i>Ictalurus natalis</i> Yellow bullhead	1	Tolerant	0	--
77-008	<i>Lepomis cyanellus</i> Green sunfish	6	Tolerant	0	--
77-009	<i>Lepomis macrochirus</i> Bluegill sunfish	1	Moderately Tolerant	0	--
77-999	<i>HYBRID</i> HYBRID X Sunfish	1	--	0	--
80-014	<i>Etheostoma nigrum</i> Johnny darter	24	--	0	--
80-015	<i>Etheostoma blenniodes</i> Greenside darter	13	Moderately Intolerant	0	--
80-022	<i>Etheostoma caeruleum</i> Rainbow darter	11	Moderately Intolerant	0	--
Totals		1371		1	

*DELT anomalies were observed on = 0.0 % of the fish collected
 Index of Biotic Integrity (IBI) = 36 (Marginally Good)



Mill Creek Upstream of Warner Road
9/13/2024
River Mile: 0.70
Collection Method: Longline Electrofishing
Drainage Area: 18.2 square miles
0.15 km
IBI Type: Headwaters

Code	Species	No.	Pollution Tolerance	DELT Anomalies	
				#	Description
34-001	<i>Umbra limi</i> Central mudminnow	1	Tolerant	0	--
40-016	<i>Catostomus commersonii</i> Common white sucker	222	Tolerant	0	--
43-011	<i>Rhinichthys atratulus</i> Blacknose dace	41	Tolerant	0	--
43-013	<i>Semotilus atromaculatus</i> Creek chub	92	Tolerant	0	--
43-026	<i>Notropis cornutus</i> Common shiner	103	--	0	--
43-034	<i>Notropis stramineus</i> Sand shiner	1	Moderately Intolerant	0	--
43-039	<i>Ericymba buccata</i> Silverjaw minnow	2	--	0	--
43-042	<i>Pimephales promelas</i> Northern fathead minnow	1	Tolerant	0	--
43-043	<i>Pimephales notatus</i> Bluntnose minnow	56	Tolerant	0	--
43-044	<i>Campostoma anomalum</i> Central stoneroller minnow	497	--	0	--
47-004	<i>Ictalurus natalis</i> Yellow bullhead	3	Tolerant	0	--
77-004	<i>Micropterus dolomieu</i> Smallmouth bass	9	Moderately Intolerant	0	--
77-008	<i>Lepomis cyanellus</i> Green sunfish	4	Tolerant	0	--
77-009	<i>Lepomis macrochirus</i> Bluegill sunfish	1	Moderately Tolerant	0	--
80-014	<i>Etheostoma nigrum</i> Johnny darter	87	--	0	--
80-015	<i>Etheostoma blenniodes</i> Greenside darter	12	Moderately Intolerant	0	--
80-022	<i>Etheostoma caeruleum</i> Rainbow darter	45	Moderately Intolerant	0	--



Mill Creek Upstream of Warner Road
9/13/2024
River Mile: 0.70
Collection Method: Longline Electrofishing
Drainage Area: 18.2 square miles
0.15 km
IBI Type: Headwaters

Totals	1177	0
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*DELT anomalies were observed on = 0 % of the fish collected

Index of Biotic Integrity (IBI) = 42 (Good)



Mill Creek Upstream of Canal Road
6/20/2024
River Mile: 0.12
Collection Method: Longline Electrofishing
Drainage Area: 19.5 square miles
0.15 km
IBI Type: Headwaters

Code	Species	No.	Pollution Tolerance	#	DELT Anomalies Description
40-010	<i>Moxostoma erythrurum</i> Golden redhorse	1	Moderately Intolerant	0	--
40-016	<i>Catostomus commersonii</i> Common white sucker	149	Tolerant	0	--
43-011	<i>Rhinichthys atratulus</i> Blacknose dace	10	Tolerant	0	--
43-013	<i>Semotilus atromaculatus</i> Creek chub	41	Tolerant	0	--
43-026	<i>Notropis cornutus</i> Common shiner	4	--	0	--
43-034	<i>Notropis stramineus</i> Sand shiner	3	Moderately Intolerant	0	--
43-042	<i>Pimephales promelas</i> Northern fathead minnow	1	Tolerant	0	--
43-043	<i>Pimephales notatus</i> Bluntnose minnow	23	Tolerant	0	--
43-044	<i>Campostoma anomalum</i> Central stoneroller minnow	394	--	0	--
47-004	<i>Ictalurus natalis</i> Yellow bullhead	2	Tolerant	0	--
77-008	<i>Lepomis cyanellus</i> Green sunfish	13	Tolerant	0	--
80-014	<i>Etheostoma nigrum</i> Johnny darter	6	--	0	--
80-015	<i>Etheostoma blenniodes</i> Greenside darter	9	Moderately Intolerant	0	--
80-022	<i>Etheostoma caeruleum</i> Rainbow darter	2	Moderately Intolerant	0	--
87-001	<i>Neogobius melanostomus</i> Round goby	6	--	0	--
Totals		664		0	

*DELT anomalies were observed on = 0 % of the fish collected

Index of Biotic Integrity (IBI) = 40 (Good)



Mill Creek Upstream of Canal Road
9/13/2024
River Mile: 0.12
Collection Method: Longline Electrofishing
Drainage Area: 19.5 square miles
0.15 km
IBI Type: Headwaters

Code	Species	No.	Pollution Tolerance	#	DELT Anomalies Description
40-010	<i>Moxostoma erythrurum</i> Golden redhorse	7	Moderately Intolerant	0	--
40-011	<i>Moxostoma macrolepidotum</i> Shorthead redhorse	6	Moderately Intolerant	0	--
40-016	<i>Catostomus commersonii</i> Common white sucker	135	Tolerant	0	--
43-011	<i>Rhinichthys atratulus</i> Blacknose dace	24	Tolerant	0	--
43-013	<i>Semotilus atromaculatus</i> Creek chub	78	Tolerant	0	--
43-026	<i>Notropis cornutus</i> Common shiner	109	--	0	--
43-032	<i>Cyprinella spiloptera</i> Spotfin shiner	5	--	0	--
43-034	<i>Notropis stramineus</i> Sand shiner	35	Moderately Intolerant	0	--
43-039	<i>Ericymba buccata</i> Silverjaw minnow	1	--	0	--
43-042	<i>Pimephales promelas</i> Northern fathead minnow	1	Tolerant	0	--
43-043	<i>Pimephales notatus</i> Bluntnose minnow	79	Tolerant	0	--
43-044	<i>Campostoma anomalum</i> Central stoneroller minnow	414	--	0	--
47-004	<i>Ictalurus natalis</i> Yellow bullhead	3	Tolerant	0	--
57-001	<i>Gambusia affinis</i> Western mosquitofish	2	--	0	--
77-008	<i>Lepomis cyanellus</i> Green sunfish	2	Tolerant	0	--
77-009	<i>Lepomis macrochirus</i> Bluegill sunfish	5	Moderately Tolerant	0	--
80-014	<i>Etheostoma nigrum</i> Johnny darter	43	--	0	--



Mill Creek Upstream of Canal Road
9/13/2024
River Mile: 0.12
Collection Method: Longline Electrofishing
Drainage Area: 19.5 square miles
0.15 km
IBI Type: Headwaters

80-015	<i>Etheostoma blenniodes</i> Greenside darter	12	Moderately Intolerant	0	--
80-022	<i>Etheostoma caeruleum</i> Rainbow darter	9	Moderately Intolerant	0	--
Totals		970		0	

*DELT anomalies were observed on = 0 % of the fish collected

Index of Biotic Integrity (IBI) = 44 (Good)



Wolf Creek Upstream of Confluence with Mill Creek
6/21/2024
River Mile: 0.05
Collection Method: Longline Electrofishing
Drainage Area: 2.2 square miles
0.15 km
IBI Type: Headwaters

Code	Species	No.	Pollution Tolerance	DELT Anomalies	
				#	Description
43-013	<i>Semotilus atromaculatus</i> Creek chub	36	Tolerant	0	--
	Totals	36		0	

*DELT anomalies were observed on = 0 % of the fish collected

Index of Biotic Integrity (IBI) = 20 (Poor)



Wolf Creek Upstream of Confluence with Mill Creek
8/8/2024
River Mile: 0.05
Collection Method: Longline Electrofishing
Drainage Area: 2.2 square miles
0.15 km
IBI Type: Headwaters

Code	Species	No.	Pollution Tolerance	DELT Anomalies	
				#	Description
43-011	<i>Rhinichthys atratulus</i> Blacknose dace	3	Tolerant	0	--
43-013	<i>Semotilus atromaculatus</i> Creek chub	218	Tolerant	0	--
43-042	<i>Pimephales promelas</i> Northern fathead minnow	7	Tolerant	0	--
Totals		228		0	

*DELT anomalies were observed on = 0 % of the fish collected
Index of Biotic Integrity (IBI) = 22 (Poor)