



Euclid Creek Upstream of Highland Road (Site 1.5)

6/29/2022 11:30:00 AM

River Mile: 2.70

Collection Method: Longline Electrofishing

Drainage Area: 21.4 square miles

0.20 km

IBI Type: Wading

Code	Species	No.	Weight (kg)	Pollution Tolerance	DELT Anomalies	
					#	Description
40-016	<i>Catostomus commersonii</i> Common white sucker	5	0.0110	Tolerant	0	--
43-011	<i>Rhinichthys atratulus</i> Blacknose dace	423	1.3450	Tolerant	0	--
43-013	<i>Semotilus atromaculatus</i> Creek chub	127	0.5910	Tolerant	0	--
43-043	<i>Pimephales notatus</i> Bluntnose minnow	19	0.0680	Tolerant	0	--
43-044	<i>Campostoma anomalum</i> Central stoneroller minnow	349	1.0190	--	0	--
77-006	<i>Micropterus salmoides</i> Largemouth bass	1	0.01	--	0	--
77-008	<i>Lepomis cyanellus</i> Green sunfish	2	0.0220	Tolerant	0	--
Totals		926	3.0660		0	

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

Index of Biotic Integrity (IBI) = 26 (Poor)

Modified Index of Well-Being (MIwb) = 5.7 (Poor)

Shannon Diversity Index, no. 1.13

Shannon Diversity Index, wt. 1.20

N = 525

B = 1.54



Euclid Creek Upstream of Highland Road (Site 1.5)

8/12/2022 3:00:00 PM

River Mile: 2.70

Collection Method: Longline Electrofishing

Drainage Area: 21.4 square miles

0.20 km

IBI Type: Wading

Code	Species	No.	Weight (kg)	Pollution Tolerance	DELT Anomalies	
					#	Description
25-002	<i>Oncorhynchus mykiss</i> Rainbow trout	1	0.0030	--	0	--
40-016	<i>Catostomus commersonii</i> Common white sucker	26	0.1020	Tolerant	0	--
43-011	<i>Rhinichthys atratulus</i> Blacknose dace	459	1.1660	Tolerant	0	--
43-013	<i>Semotilus atromaculatus</i> Creek chub	322	0.8530	Tolerant	0	--
43-042	<i>Pimephales promelas</i> Northern fathead minnow	1	0.0020	Tolerant	0	--
43-043	<i>Pimephales notatus</i> Bluntnose minnow	5	0.0190	Tolerant	0	--
43-044	<i>Campostoma anomalum</i> Central stoneroller minnow	505	1.1960	--	0	--
47-004	<i>Ictalurus natalis</i> Yellow bullhead	1	0.0980	Tolerant	1	Lesions
77-006	<i>Micropterus salmoides</i> Largemouth bass	1	0.01	--	0	--
77-008	<i>Lepomis cyanellus</i> Green sunfish	2	0.02	Tolerant	0	--
77-009	<i>Lepomis macrochirus</i> Bluegill sunfish	1	0.01	Moderately Tolerant	0	--
Totals		1324	3.4790		1	

*DELT anomalies were observed on = 0.0 % of the fish collected

Index of Biotic Integrity (IBI) = 32 (Fair)

Modified Index of Well-Being (MIwb) = 6.2 (Fair)

Shannon Diversity Index, no. 1.21

Shannon Diversity Index, wt. 1.38

N = 760.50

B = 1.82



Euclid Creek Upstream of St. Clair Ave Bridge
6/16/2022 10:15:00 AM
River Mile: 1.65
Collection Method: Longline Electrofishing
Drainage Area: 21.80 square miles
0.20 km
IBI Type: Wading

Code	Species	No.	Weight (kg)	Pollution Tolerance	DELT Anomalies	
					#	Description
43-011	<i>Rhinichthys atratulus</i> Blacknose dace	423	1.41	Tolerant	0	--
43-013	<i>Semotilus atromaculatus</i> Creek chub	58	0.4160	Tolerant	0	--
43-043	<i>Pimephales notatus</i> Bluntnose minnow	4	0.0120	Tolerant	0	--
43-044	<i>Campostoma anomalum</i> Central stoneroller minnow	36	0.3150	--	0	--
Totals		521	2.1530		0	

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

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

Modified Index of Well-Being (MIwb) = 3.2 (Very Poor)

Shannon Diversity Index, no. 0.64

Shannon Diversity Index, wt. 0.90

N = 54

B = 0.47



Euclid Creek Upstream of St. Clair Ave Bridge
8/12/2022 12:00:00 PM
River Mile: 1.65
Collection Method: Longline Electrofishing
Drainage Area: 21.80 square miles
0.20 km
IBI Type: Wading

Code	Species	No.	Weight (kg)	Pollution Tolerance	DELT Anomalies	
					#	Description
40-016	<i>Catostomus commersonii</i> Common white sucker	7	0.05	Tolerant	0	--
43-011	<i>Rhinichthys atratulus</i> Blacknose dace	871	2.3180	Tolerant	0	--
43-013	<i>Semotilus atromaculatus</i> Creek chub	345	1.6630	Tolerant	0	--
43-043	<i>Pimephales notatus</i> Bluntnose minnow	36	0.06	Tolerant	0	--
43-044	<i>Campostoma anomalum</i> Central stoneroller minnow	313	1.4040	--	0	--
47-004	<i>Ictalurus natalis</i> Yellow bullhead	1	0.0040	Tolerant	0	--
Totals		1573	5.4990		0	

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

Index of Biotic Integrity (IBI) = 26 (Poor)

Modified Index of Well-Being (MIwb) = 5.7 (Poor)

Shannon Diversity Index, no. 1.10

Shannon Diversity Index, wt. 1.17

N = 469.50

B = 2.11



Euclid Creek Downstream of Lake Shore Blvd (Site 0.5)
6/16/2022 2:10:00 PM
River Mile: 0.55
Collection Method: Longline Electrofishing
Drainage Area: 23.0 square miles
0.20 km
IBI Type: Wading

Code	Species	No.	Weight (kg)	Pollution Tolerance	DELT Anomalies	
					#	Description
43-011	<i>Rhinichthys atratulus</i> Blacknose dace	4	0.0310	Tolerant	0	--
43-013	<i>Semotilus atromaculatus</i> Creek chub	1	0.01	Tolerant	0	--
43-020	<i>Notropis atherinoides</i> Common emerald shiner	17	0.04	--	0	--
43-034	<i>Notropis stramineus</i> Sand shiner	4	0.0220	Moderately Intolerant	0	--
43-043	<i>Pimephales notatus</i> Bluntnose minnow	17	0.0750	Tolerant	0	--
43-044	<i>Campostoma anomalum</i> Central stoneroller minnow	3	0.0060	--	0	--
47-004	<i>Ictalurus natalis</i> Yellow bullhead	5	0.35	Tolerant	0	--
77-003	<i>Ambloplites rupestris</i> Northern rockbass	1	0.0190	--	0	--
77-008	<i>Lepomis cyanellus</i> Green sunfish	1	0.0290	Tolerant	0	--
77-009	<i>Lepomis macrochirus</i> Bluegill sunfish	9	0.20	Moderately Tolerant	0	--
77-013	<i>Lepomis gibbosus</i> Pumpkinseed sunfish	1	0.0080	Moderately Tolerant	0	--
80-002	<i>Sander vitreus</i> Walleye	2	0.0420	--	0	--
87-001	<i>Neogobius melanostomus</i> Round goby	19	0.1220	--	0	--
Totals		84	0.9540		0	

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

Index of Biotic Integrity (IBI) = 30 (Fair)

Modified Index of Well-Being (MIwb) = 5.7 (Poor)

Shannon Diversity Index, no. 2.10

Shannon Diversity Index, wt. 1.93



Euclid Creek Downstream of Lake Shore Blvd (Site 0.5)

6/16/2022 2:10:00 PM

River Mile: 0.55

Collection Method: Longline Electrofishing

Drainage Area: 23.0 square miles

0.20 km

IBI Type: Wading

N = 55.50

B = 0.51



Euclid Creek Downstream of Lake Shore Blvd (Site 0.5)
8/10/2022 10:55:00 AM
River Mile: 0.55
Collection Method: Longline Electrofishing
Drainage Area: 23.0 square miles
0.20 km
IBI Type: Wading

Code	Species	No.	Weight (kg)	Pollution Tolerance	DELT Anomalies	
					#	Description
40-005	<i>Carpiodes cyprinus</i> Central quillback carpsucker	33	0.0520	--	0	--
40-016	<i>Catostomus commersonii</i> Common white sucker	14	0.0680	Tolerant	0	--
43-001	<i>Cyprinus carpio</i> Common carp	1	0.0120	Tolerant	0	--
43-011	<i>Rhinichthys atratulus</i> Blacknose dace	4	0.01	Tolerant	0	--
43-013	<i>Semotilus atromaculatus</i> Creek chub	38	0.1380	Tolerant	0	--
43-020	<i>Notropis atherinoides</i> Common emerald shiner	2	0.01	--	0	--
43-035	<i>Notropis volucellus</i> Mimic shiner	13	0.0310	Intolerant	0	--
43-039	<i>Ericymba buccata</i> Silverjaw minnow	1	0.0030	--	0	--
43-042	<i>Pimephales promelas</i> Northern fathead minnow	1	0.0020	Tolerant	0	--
43-043	<i>Pimephales notatus</i> Bluntnose minnow	30	0.06	Tolerant	0	--
43-044	<i>Campostoma anomalum</i> Central stoneroller minnow	18	0.0250	--	0	--
47-004	<i>Ictalurus natalis</i> Yellow bullhead	8	0.75	Tolerant	0	--
77-003	<i>Ambloplites rupestris</i> Northern rockbass	4	0.1550	--	0	--
77-004	<i>Micropterus dolomieu</i> Smallmouth bass	5	0.05	Moderately Intolerant	0	--
77-009	<i>Lepomis macrochirus</i> Bluegill sunfish	20	0.17	Moderately Tolerant	0	--
77-013	<i>Lepomis gibbosus</i> Pumpkinseed sunfish	3	0.06	Moderately Tolerant	0	--
80-011	<i>Percina caprodes</i> Northern logperch darter	1	0.0040	Moderately Intolerant	0	--



Euclid Creek Downstream of Lake Shore Blvd (Site 0.5)
8/10/2022 10:55:00 AM
River Mile: 0.55
Collection Method: Longline Electrofishing
Drainage Area: 23.0 square miles
0.20 km
IBI Type: Wading

87-001	<i>Neogobius melanostomus</i> Round goby	60	0.0930	--	0	--
Totals		256	1.6930		0	

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

Index of Biotic Integrity (IBI) = 30 (Fair)

Modified Index of Well-Being (MIwb) = 6.8 (Fair)

Shannon Diversity Index, no. 2.33

Shannon Diversity Index, wt. 2.02

N = 150

B = 0.84



Euclid Creek Downstream of Lake Shore Blvd (Site 0.5)
10/12/2022 12:00:00 PM
River Mile: 0.55
Collection Method: Longline Electrofishing
Drainage Area: 23.0 square miles
0.20 km
IBI Type: Wading

Code	Species	No.	Weight (kg)	Pollution Tolerance	DELT Anomalies	
					#	Description
25-002	<i>Oncorhynchus mykiss</i> Rainbow trout	3	6.35	--	0	--
40-016	<i>Catostomus commersonii</i> Common white sucker	21	0.2530	Tolerant	0	--
43-011	<i>Rhinichthys atratulus</i> Blacknose dace	2	0.0030	Tolerant	0	--
43-013	<i>Semotilus atromaculatus</i> Creek chub	24	0.2340	Tolerant	0	--
43-025	<i>Notropis chrysocephalus</i> Striped shiner	1	0.04	--	0	--
43-032	<i>Cyprinella spiloptera</i> Spotfin shiner	2	0.0030	--	0	--
43-034	<i>Notropis stramineus</i> Sand shiner	16	0.03	Moderately Intolerant	0	--
43-035	<i>Notropis volucellus</i> Mimic shiner	1	0.0040	Intolerant	0	--
43-042	<i>Pimephales promelas</i> Northern fathead minnow	1	0.0010	Tolerant	0	--
43-043	<i>Pimephales notatus</i> Bluntnose minnow	142	0.2920	Tolerant	0	--
47-004	<i>Ictalurus natalis</i> Yellow bullhead	4	0.71	Tolerant	1	Lesions
77-006	<i>Micropterus salmoides</i> Largemouth bass	1	0.0150	--	0	--
77-009	<i>Lepomis macrochirus</i> Bluegill sunfish	23	0.0930	Moderately Tolerant	0	--
77-013	<i>Lepomis gibbosus</i> Pumpkinseed sunfish	1	0.0520	Moderately Tolerant	0	--
87-001	<i>Neogobius melanostomus</i> Round goby	34	0.1050	--	0	--
Totals		276	8.1850		1	

*DELT anomalies were observed on = 0.3 % of the fish collected

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



Euclid Creek Downstream of Lake Shore Blvd (Site 0.5)

10/12/2022 12:00:00 PM

River Mile: 0.55

Collection Method: Longline Electrofishing

Drainage Area: 23.0 square miles

0.20 km

IBI Type: Wading

Modified Index of Well-Being (MIwb) = 4.2 (Very Poor)

Shannon Diversity Index, no. 1.66

Shannon Diversity Index, wt. 0.94

N = 67.50

B = 0.36