

Euclid Creek Upstream of Euclid Avenue

June 25, 2021

River Mile: 2.70

Station ID: 200138

Collection Method: Longline Electrofishing

Drainage Area: 21.4 miles²

Collection Distance: 0.2 km

Code	Species	Number	Weight (kg)	Pollution Tolerance	#	DELT Anomalies Description
25-002	<i>Oncorhynchus mykiss</i> Rainbow trout	1	0.009	--	0	---
40-016	<i>Catostomus commersonii</i> Common white sucker	8	0.29	Highly Tolerant	0	---
43-011	<i>Rhinichthys atratulus</i> Blacknose dace	577	1.588	Highly Tolerant	0	---
43-013	<i>Semotilus atromaculatus</i> Creek chub	130	0.736	Highly Tolerant	0	---
43-043	<i>Pimephales notatus</i> Bluntnose minnow	14	0.07	Highly Tolerant	0	---
43-044	<i>Campostoma anomalum</i> Central stoneroller minnow	224	1.183	--	0	---
47-004	<i>Ictalurus natalis</i> Yellow bullhead	2	0.09	Highly Tolerant	0	---
47-005	<i>Ictalurus nebulosus</i> Brown bullhead	1	0.15	Highly Tolerant	0	---
77-008	<i>Lepomis cyanellus</i> Green sunfish	2	0.02	Highly Tolerant	0	---
77-009	<i>Lepomis macrochirus</i> Northern bluegill sunfish	2	0.03	Moderately Tolerant	0	---
77-013	<i>Lepomis gibbosus</i> Pumpkinseed sunfish	4	0.06	Moderately Tolerant	0	---
Totals		<u>965</u>	<u>4.226</u>		<u>0</u>	

*DELT anomalies were observed on 0.00 % of the fish collected.
 Index of Biotic Integrity (IBI) = 30 (Fair)
 Modified Index of Well-Being (MIwb) = 6.0 (Fair)
 Shannon Diversity Index, no. 1.093
 Shannon Diversity Index, wt. 1.615
 N 345
 B 1.91

Euclid Creek Upstream of Euclid Avenue
August 18, 2021
River Mile: 2.70
Station ID: 200138
Collection Method: Longline Electrofishing
Drainage Area: 21.4 miles²
Collection Distance: 0.2 km

Code	Species	Number	Weight (kg)	Pollution Tolerance	DELT Anomalies #	Description
25-002	<i>Oncorhynchus mykiss</i> Rainbow trout	1	3.856	--	0	---
40-016	<i>Catostomus commersonii</i> Common white sucker	40	1.38	Highly Tolerant	0	---
43-002	<i>Carassius auratus</i> Goldfish	1	0.075	Highly Tolerant	0	---
43-011	<i>Rhinichthys atratulus</i> Blacknose dace	929	2.493	Highly Tolerant	0	---
43-013	<i>Semotilus atromaculatus</i> Creek chub	459	2.342	Highly Tolerant	0	---
43-043	<i>Pimephales notatus</i> Bluntnose minnow	55	0.203	Highly Tolerant	0	---
43-044	<i>Campostoma anomalum</i> Central stoneroller minnow	599	3.221	--	0	---
47-004	<i>Ictalurus natalis</i> Yellow bullhead	4	0.1	Highly Tolerant	0	---
77-006	<i>Micropterus salmoides</i> Largemouth bass	2	0.025	--	0	---
77-008	<i>Lepomis cyanellus</i> Green sunfish	3	0.03	Highly Tolerant	0	---
77-009	<i>Lepomis macrochirus</i> Northern bluegill sunfish	21	0.065	Moderately Tolerant	0	---
77-013	<i>Lepomis gibbosus</i> Pumpkinseed sunfish	7	0.11	Moderately Tolerant	0	---
Totals		<u>2121</u>	<u>13.900</u>		<u>0</u>	

*DELT anomalies were observed on 0.00 % of the fish collected.
Index of Biotic Integrity (IBI) = 32 (Fair)
Modified Index of Well-Being (MIwb) = 7.3 (Fair)
Shannon Diversity Index, no. 1.319
Shannon Diversity Index, wt. 1.746

**Euclid Creek Upstream of Euclid Avenue
August 18, 2021**

River Mile: 2.70

N	943.5
B	5.132

Euclid Creek Upstream of St. Clair Avenue

July 2, 2021

River Mile: 1.65

Station ID: 504250

Collection Method: Longline Electrofishing

Drainage Area: 21.8 miles²

Collection Distance: 0.2 km

Code	Species	Number	Weight (kg)	Pollution Tolerance	DELT Anomalies #	Description
40-016	<i>Catostomus commersonii</i> Common white sucker	1	0.042	Highly Tolerant	0	---
43-011	<i>Rhinichthys atratulus</i> Blacknose dace	362	1.039	Highly Tolerant	0	---
43-013	<i>Semotilus atromaculatus</i> Creek chub	132	1.185	Highly Tolerant	0	---
43-042	<i>Pimephales promelas</i> Northern fathead minnow	1	0.002	Highly Tolerant	0	---
43-043	<i>Pimephales notatus</i> Bluntnose minnow	2	0.004	Highly Tolerant	0	---
43-044	<i>Campostoma anomalum</i> Central stoneroller minnow	196	1.217	--	0	---
77-008	<i>Lepomis cyanellus</i> Green sunfish	1	0.022	Highly Tolerant	0	---
77-013	<i>Lepomis gibbosus</i> Pumpkinseed sunfish	1	0.028	Moderately Tolerant	0	---
Totals		<u>696</u>	<u>3.539</u>		<u>0</u>	

*DELT anomalies were observed on 0.00 % of the fish collected.
 Index of Biotic Integrity (IBI) = 28 (Fair)
 Modified Index of Well-Being (MIwb) = 5.5 (Poor)
 Shannon Diversity Index, no. 1.067
 Shannon Diversity Index, wt. 1.228
 N 295.5
 B 1.868

Euclid Creek Upstream of St. Clair Avenue

August 26, 2021

River Mile: 1.65

Station ID: 504250

Collection Method: Longline Electrofishing

Drainage Area: 21.8 miles²

Collection Distance: 0.2 km

Code	Species	Number	Weight (kg)	Pollution Tolerance	DELT Anomalies #	Description
25-002	<i>Oncorhynchus mykiss</i> Rainbow trout	1	0.015	--	0	---
40-016	<i>Catostomus commersonii</i> Common white sucker	10	0.128	Highly Tolerant	0	---
43-011	<i>Rhinichthys atratulus</i> Blacknose dace	542	1.38	Highly Tolerant	0	---
43-013	<i>Semotilus atromaculatus</i> Creek chub	300	2.01	Highly Tolerant	0	---
43-043	<i>Pimephales notatus</i> Bluntnose minnow	51	0.06	Highly Tolerant	0	---
43-044	<i>Campostoma anomalum</i> Central stoneroller minnow	499	5.41	--	0	---
47-004	<i>Ictalurus natalis</i> Yellow bullhead	3	0.135	Highly Tolerant	1	Lesion
77-006	<i>Micropterus salmoides</i> Largemouth bass	2	0.045	--	0	---
77-009	<i>Lepomis macrochirus</i> Northern bluegill sunfish	3	0.015	Moderately Tolerant	0	---
Totals		<u>1411</u>	<u>9.198</u>		<u>1</u>	

*DELT anomalies were observed on 0.07 % of the fish collected.

Index of Biotic Integrity (IBI) = 28 (Fair)

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

Shannon Diversity Index, no. 1.26

Shannon Diversity Index, wt. 1.13

N 756

B 8.205

Euclid Creek Downstream of Lakeshore Boulevard

June 28, 2021

River Mile: 0.55

Station ID: F01A47

Collection Method: Longline Electrofishing

Drainage Area: 23 miles²

Collection Distance: 0.2 km

Code	Species	Number	Weight (kg)	Pollution Tolerance	DELT # Anomalies	Description
40-005	<i>Carpionodes cyprinus</i> Central quillback carpsucker	18	0.03	--	0	---
40-016	<i>Catostomus commersonii</i> Common white sucker	35	0.15	Highly Tolerant	0	---
43-011	<i>Rhinichthys atratulus</i> Blacknose dace	5	0.008	Highly Tolerant	0	---
43-013	<i>Semotilus atromaculatus</i> Creek chub	64	0.15	Highly Tolerant	0	---
43-034	<i>Notropis stramineus</i> Sand shiner	3	0.009	Moderately Intolerant	0	---
43-043	<i>Pimephales notatus</i> Bluntnose minnow	11	0.073	Highly Tolerant	0	---
43-044	<i>Campostoma anomalum</i> Central stoneroller minnow	20	0.032	--	0	---
47-004	<i>Ictalurus natalis</i> Yellow bullhead	14	1.29	Highly Tolerant	3	Lesion
77-003	<i>Ambloplites rupestris</i> Northern rockbass	1	0.03	--	0	---
77-006	<i>Micropterus salmoides</i> Largemouth bass	1	0.24	--	0	---
77-008	<i>Lepomis cyanellus</i> Green sunfish	1	0.04	Highly Tolerant	0	---
77-009	<i>Lepomis macrochirus</i> Northern bluegill sunfish	5	0.051	Moderately Tolerant	0	---
77-013	<i>Lepomis gibbosus</i> Pumpkinseed sunfish	1	0.02	Moderately Tolerant	0	---
87-001	<i>Neogobius melanostomus</i> Round goby	36	0.125	--	0	---
	Totals	<u><u>215</u></u>	<u><u>2.248</u></u>		<u><u>3</u></u>	

Euclid Creek Downstream of Lakeshore Boulevard

June 28, 2021

River Mile: 0.55

*DELT anomalies were observed on	1.40	% of the fish collected.
Index of Biotic Integrity (IBI) =	24	(Poor)
Modified Index of Well-Being (MIwb) =	5.6	(Poor)
Shannon Diversity Index, no.	2.048	
Shannon Diversity Index, wt.	1.608	
N	73.5	
B	0.618	

Euclid Creek Downstream of Lakeshore Boulevard

August 26, 2021

River Mile: 0.55

Station ID: F01A47

Collection Method: Longline Electrofishing

Drainage Area: 23 miles²

Collection Distance: 0.2 km

Code	Species	Number	Weight (kg)	Pollution Tolerance	#	DELT Anomalies Description
40-005	<i>Carpionodes cyprinus</i> Central quillback carpsucker	1	0.006	--	0	---
40-016	<i>Catostomus commersonii</i> Common white sucker	179	1.346	Highly Tolerant	0	---
43-011	<i>Rhinichthys atratulus</i> Blacknose dace	1	0.003	Highly Tolerant	0	---
43-013	<i>Semotilus atromaculatus</i> Creek chub	91	0.494	Highly Tolerant	0	---
43-020	<i>Notropis atherinoides</i> Common Emerald shiner	6	0.048	--	0	---
43-034	<i>Notropis stramineus</i> Sand shiner	1	0.003	Moderately Intolerant	0	---
43-035	<i>Notropis volucellus</i> Mimic Shiner	9	0.02	Common Intolerant	0	---
43-039	<i>Ericymba buccata</i> Silverjaw minnow	1	0.005	--	0	---
43-043	<i>Pimephales notatus</i> Bluntnose minnow	91	0.092	Highly Tolerant	0	---
43-044	<i>Campostoma anomalum</i> Central stoneroller minnow	1	0.015	--	0	---
47-004	<i>Ictalurus natalis</i> Yellow bullhead	31	2.6	Highly Tolerant	0	---
74-003	<i>Morone americana</i> White perch	1	0.004	--	0	---
77-003	<i>Ambloplites rupestris</i> Northern rockbass	1	0.048	--	0	---
77-004	<i>Micropterus dolomieu</i> Smallmouth bass	4	0.19	Moderately Intolerant	0	---
77-006	<i>Micropterus salmoides</i>	7	0.225	--	0	---

Euclid Creek Downstream of Lakeshore Boulevard

August 26, 2021

River Mile: 0.55

Largemouth bass

77-008	<i>Lepomis cyanellus</i> Green sunfish	6	0.06	Highly Tolerant	1	Lesion
77-009	<i>Lepomis macrochirus</i> Northern bluegill sunfish	11	0.08	Moderately Tolerant	0	---
77-013	<i>Lepomis gibbosus</i> Pumpkinseed sunfish	35	0.64	Moderately Tolerant	1	Lesion
80-003	<i>Perca flavescens</i> Yellow perch	2	0.008	--	0	---
80-011	<i>Percina caprodes</i> Northern logperch darter	5	0.07	Moderately Intolerant	0	---
87-001	<i>Neogobius melanostomus</i> Round goby	69	0.17	--	0	---
	Totals	<u>553</u>	<u>6.127</u>		<u>2</u>	

*DELT anomalies were observed on	0.36 % of the fish collected.
Index of Biotic Integrity (IBI) =	30 (Fair)
Modified Index of Well-Being (MIwb) =	6.6 (Fair)
Shannon Diversity Index, no.	2.032
Shannon Diversity Index, wt.	1.823
N	126
B	2.037