

Euclid Creek Upstream of St. Clair Avenue
July 6, 2015
River Mile: 1.65
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	0.006	--	0	---
40-016	<i>Catostomus commersonii</i> Common white sucker	5	0.03	Highly Tolerant	0	---
43-011	<i>Rhinichthys atratulus</i> Western blacknose dace	154	0.519	Highly Tolerant	0	---
43-013	<i>Semotilus atromaculatus</i> Creek chub	86	0.844	Highly Tolerant	0	---
43-044	<i>Campostoma anomalum</i> Central stoneroller minnow	128	0.47	--	0	---
Totals		<u>374</u>	<u>1.869</u>		<u>0</u>	

*DELT anomalies were observed on 0.00 % of the fish collected.
 Index of Biotic Integrity (IBI) = 24 (Poor)
 Modified Index of Well-Being (MIwb) = 4.7 (Poor)
 Shannon Diversity Index, no. 1.14
 Shannon Diversity Index, wt. 1.15
 N 192
 B 0.71

Euclid Creek Upstream of St. Clair Avenue
August 21, 2015
River Mile: 1.65
Collection Method: Longline Electrofishing
Drainage Area: 21.8 miles²
Collection Distance: 0.2 km

Code	Species	Number	Weight (kg)	Pollution Tolerance	DELT Anomalies #	DELT Anomalies Description
40-016	<i>Catostomus commersonii</i> Common white sucker	12	0.3	Highly Tolerant	0	---
43-002	<i>Carassius auratus</i> Goldfish	1	0.028	Highly Tolerant	0	---
43-011	<i>Rhinichthys atratulus</i> Western blacknose dace	225	0.86	Highly Tolerant	0	---
43-013	<i>Semotilus atromaculatus</i> Creek chub	117	1.388	Highly Tolerant	0	---
43-044	<i>Campostoma anomalum</i> Central stoneroller minnow	382	2.24	--	0	---
Totals		<u>737</u>	<u>4.816</u>		<u>0</u>	

*DELT anomalies were observed on 0.00 % of the fish collected.
 Index of Biotic Integrity (IBI) = 26 (Poor)
 Modified Index of Well-Being (MIwb) = 6.1 (Fair)
 Shannon Diversity Index, no. 1.07
 Shannon Diversity Index, wt. 1.23
 N 573
 B 3.36

Euclid Creek Downstream of Lakeshore Boulevard

July 6, 2015

River Mile: 0.55

Collection Method: Longline Electrofishing

Drainage Area: 23 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	53	0.478	Highly Tolerant	0	---
43-011	<i>Rhinichthys atratulus</i> Western blacknose dace	3	0.008	Highly Tolerant	0	---
43-013	<i>Semotilus atromaculatus</i> Creek chub	44	0.576	Highly Tolerant	0	---
43-043	<i>Pimephales notatus</i> Bluntnose minnow	1	0.01	Highly Tolerant	0	---
43-044	<i>Campostoma anomalum</i> Central stoneroller minnow	172	0.116	--	0	---
47-004	<i>Ictalurus natalis</i> Yellow bullhead	5	0.8	Highly Tolerant	1	Lesion
47-005	<i>Ictalurus nebulosus</i> Brown bullhead	3	0.213	Highly Tolerant	0	---
77-003	<i>Ambloplites rupestris</i> Northern rockbass	3	0.05	--	0	---
77-006	<i>Micropterus salmoides</i> Largemouth bass	3	0.01	--	0	---
77-008	<i>Lepomis cyanellus</i> Green sunfish	2	0.03	Highly Tolerant	0	---
77-009	<i>Lepomis macrochirus</i> Northern bluegill sunfish	1	0.004	Moderately Tolerant	0	---
77-013	<i>Lepomis gibbosus</i> Pumpkinseed sunfish	5	0.2	Moderately Tolerant	0	---
87-001	<i>Neogobius melanostomus</i> Round goby	17	0.29	--	0	---
Totals		<u>312</u>	<u>2.785</u>		<u>1</u>	

*DELT anomalies were observed on 0.32 % of the fish collected.
 Index of Biotic Integrity (IBI) = 32 (Fair)
 Modified Index of Well-Being (MIwb) = 5.9 (Fair)
 Shannon Diversity Index, no. 1.44
 Shannon Diversity Index, wt. 1.93
 N 276
 B 0.57

Euclid Creek Downstream of Lakeshore Boulevard

August 21, 2015

River Mile: 0.55

Collection Method: Longline Electrofishing

Drainage Area: 23 miles²

Collection Distance: 0.2 km

Code	Species	Number	Weight (kg)	Pollution Tolerance	DELT #	Anomalies Description
20-003	<i>Dorosoma cepedianum</i> Eastern gizzard shad	179	0.84	--	0	---
25-002	<i>Oncorhynchus mykiss</i> Rainbow trout	5	0.79	--	0	---
40-016	<i>Catostomus commersonii</i> Common white sucker	154	2.373	Highly Tolerant	0	---
43-013	<i>Semotilus atromaculatus</i> Creek chub	99	1.44	Highly Tolerant	0	---
43-034	<i>Notropis stramineus</i> Sand shiner	24	0.04	Moderately Intolerant	0	---
43-035	<i>Notropis volucellus</i> Mimic Shiner	246	0.26	Common Intolerant	0	---
43-043	<i>Pimephales notatus</i> Bluntnose minnow	2	0.024	Highly Tolerant	0	---
43-044	<i>Campostoma anomalum</i> Central stoneroller minnow	30	0.126	--	0	---
47-004	<i>Ictalurus natalis</i> Yellow bullhead	6	0.494	Highly Tolerant	0	---
47-005	<i>Ictalurus nebulosus</i> Brown bullhead	5	0.46	Highly Tolerant	0	---
74-003	<i>Morone americana</i> White perch	3	0.006	--	0	---
77-003	<i>Ambloplites rupestris</i> Northern rockbass	4	0.124	--	0	---
77-006	<i>Micropterus salmoides</i> Largemouth bass	3	0.024	--	0	---
77-008	<i>Lepomis cyanellus</i> Green sunfish	5	0.04	Highly Tolerant	0	---
77-009	<i>Lepomis macrochirus</i> Northern bluegill sunfish	2	0.028	Moderately Tolerant	0	---
77-013	<i>Lepomis gibbosus</i> Pumpkinseed sunfish	20	0.49	Moderately Tolerant	0	---
80-003	<i>Perca flavescens</i>	1	0.008	--	0	---

Euclid Creek Downstream of Lakeshore Boulevard

August 21, 2015

River Mile: 0.55

Yellow perch

87-001	<i>Neogobius melanostomus</i> Round goby	32	0.071	--	0	---
77-025	<i>HYBRID</i> Warmouth X Pumpkinseed	1	0.02	--	0	---
	Totals	<u>821</u>	<u>7.658</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) =	7.9	(Good)
Shannon Diversity Index, no.	1.95	
Shannon Diversity Index, wt.	2.11	
N	764	
B	2.91	