

Euclid Creek Upstream of St. Clair Avenue

June 18, 2012

River Mile: 1.65

Collection Method: Longline Electrofishing

Drainage Area: 22 miles²

Collection Distance: 0.2 km

Species	Number	Weight (kg)	Pollution Tolerance	DELT Anomalies #	Description
Oncorhynchus mykiss Rainbow trout	1	0.003	--	0	---
Catostomus commersonii Common white sucker	80	0.478	Highly Tolerant	0	---
Rhinichthys atratulus Western blacknose dace	135	0.520	Highly Tolerant	0	---
Semotilus atromaculatus Creek chub	126	1.404	Highly Tolerant	0	---
Campostoma anomalum Central stoneroller minnow	242	0.615	--	0	---
Lepomis gibbosus Pumpkinseed sunfish	1	0.021	Moderately Tolerant	0	---
Totals	<u>585</u>	<u>3.041</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) =	5.6	(Poor)
Shannon Diversity Index, no.	1.328	
Shannon Diversity Index, wt.	1.314	
N	364.5	
B	0.954	

Euclid Creek Upstream of St. Clair Avenue

July 23, 2012

River Mile: 1.65

Collection Method: Longline Electrofishing

Drainage Area: 22 miles²

Collection Distance: 0.2 km

Species	Number	Weight (kg)	Pollution Tolerance	DELT Anomalies #	Description
Catostomus commersonii Common white sucker	202	1.530	Highly Tolerant	0	---
Rhinichthys atratulus Western blacknose dace	430	0.939	Highly Tolerant	0	---
Semotilus atromaculatus Creek chub	253	1.758	Highly Tolerant	0	---
Pimephales notatus Bluntnose minnow	1	0.008	Highly Tolerant	0	---
Campostoma anomalum Central stoneroller minnow	656	1.850	--	0	---
Lepomis gibbosus Pumpkinseed sunfish	2	0.048	Moderately Tolerant	0	---
Totals	<u>1544</u>	<u>6.133</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) =	6.7	(Fair)
Shannon Diversity Index, no.	1.296	
Shannon Diversity Index, wt.	1.4	
N	987	
B	2.847	

Euclid Creek Downstream of Lakeshore Boulevard

June 15, 2012

River Mile: 0.55

Collection Method: Longline Electrofishing

Drainage Area: 23 miles²

Collection Distance: 0.2 km

Species	Number	Weight (kg)	Pollution Tolerance	# DELT Anomalies	Description
Oncorhynchus mykiss Rainbow trout	1	0.032	--	0	---
Catostomus commersonii Common white sucker	101	0.354	Highly Tolerant	0	---
Cyprinus carpio Common carp	12	0.042	Highly Tolerant	0	---
Carassius auratus Goldfish	1	0.113	Highly Tolerant	0	---
Rhinichthys atratulus Western blacknose dace	18	0.060	Highly Tolerant	0	---
Semotilus atromaculatus Creek chub	70	0.694	Highly Tolerant	0	---
Notropis atherinoides Common Emerald shiner	279	0.230	--	0	---
Notropis cornutus Common shiner	1	0.010	--	0	---
Notropis stramineus Sand shiner	16	0.020	Moderately Intolerant	0	---
Notropis volucellus Mimic Shiner	3	0.006	Common Intolerant	0	---
Pimephales notatus Bluntnose minnow	47	0.172	Highly Tolerant	0	---
Campostoma anomalum Central stoneroller minnow	139	0.646	--	0	---
Ictalurus natalis Yellow bullhead	11	0.550	Highly Tolerant	0	---
Ictalurus nebulosus Brown bullhead	6	1.595	Highly Tolerant	3	Lesion
Ambloplites rupestris Northern rockbass	1	0.012	--	0	---

**Euclid Creek Downstream of Lakeshore Boulevard
June 15, 2012**

River Mile: 0.55

Lepomis cyanellus Green sunfish	2	0.020	Highly Tolerant	0	---
Lepomis macrochirus Northern bluegill sunfish	28	0.172	Moderately Tolerant	0	---
Lepomis gibbosus Pumpkinseed sunfish	30	0.682	Moderately Tolerant	0	---
Neogobius melanostomus Round goby	39	0.278	--	0	---
 Totals	 <u>805</u>	 <u>5.688</u>		 <u>3</u>	

*DELT anomalies were observed on	0.37	% of the fish collected.
Index of Biotic Integrity (IBI) =	30	(Fair)
Modified Index of Well-Being (MIwb) =	8.1	(Good)
Shannon Diversity Index, no.	2.085	
Shannon Diversity Index, wt.	2.265	
N	745.5	
B	2.667	

Euclid Creek Downstream of Lakeshore Boulevard

July 23, 2012

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Collection Method: Longline Electrofishing

Drainage Area: 23 miles²

Collection Distance: 0.2 km

Species	Number	Weight (kg)	Pollution Tolerance	DELT #	Anomalies Description
Cariodes cyrinus Central quillback carpsucker	14	0.040	--	0	---
Catostomus commersonii Common white sucker	160	2.370	Highly Tolerant	0	---
Cyprinus carpio Common carp	18	0.020	Highly Tolerant	0	---
Notemigonus crysoleucas Golden shiner	2	0.010	Highly Tolerant	0	---
Rhinichthys atratulus Western blacknose dace	9	0.008	Highly Tolerant	0	---
Semotilus atromaculatus Creek chub	182	1.100	Highly Tolerant	0	---
Cyprinella spiloptera Spotfin shiner	1	0.006	--	0	---
Notropis stramineus Sand shiner	3	0.010	Moderately Intolerant	0	---
Notropis volucellus Mimic Shiner	26	0.030	Common Intolerant	0	---
Ericymba buccata Silverjaw minnow	1	0.002	--	0	---
Pimephales notatus Bluntnose minnow	42	0.090	Highly Tolerant	0	---
Campostoma anomalum Central stoneroller minnow	133	0.480	--	0	---
Ictalurus natalis Yellow bullhead	9	0.053	Highly Tolerant	0	---
Ictalurus nebulosus Brown bullhead	14	1.322	Highly Tolerant	0	---
Micropterus dolomieu Smallmouth bass	17	0.130	Moderately Intolerant	0	---

**Euclid Creek Downstream of Lakeshore Boulevard
July 23, 2012**

River Mile: 0.55

Micropterus salmoides Largemouth bass	12	0.031	--	0	---
Lepomis cyanellus Green sunfish	3	0.048	Highly Tolerant	0	---
Lepomis macrochirus Northern bluegill sunfish	20	0.280	Moderately Tolerant	1	Deformity
Lepomis gibbosus Pumpkinseed sunfish	7	0.015	Moderately Tolerant	0	---
Neogobius melanostomus Round goby	29	0.011	--	0	---
Totals	<u><u>702</u></u>	<u><u>6.056</u></u>		<u><u>1</u></u>	

*DELT anomalies were observed on	0.14	% of the fish collected.
Index of Biotic Integrity (IBI) =	32	(Fair)
Modified Index of Well-Being (MIwb) =	7.1	(Fair)
Shannon Diversity Index, no.	2.175	
Shannon Diversity Index, wt.	1.748	
N	351	
B	1.536	