

**Euclid Creek**  
**August 18, 2010**  
**River Mile: 0.20**  
**Collection Method: Boat Electroshocking**  
**Drainage Area: 24 miles<sup>2</sup>**  
**Collection Distance: 0.5 km**

<u>Species</u>	<u>Number</u>	<u>Weight (kg)</u>	<u>Pollution Tolerance</u>	<u>#</u>	<u>DELT Anomalies Description</u>
<i>Dorosoma cepedianum</i> Eastern gizzard shad	8	0.328	--	0	--
<i>Carpiodes cyprinus</i> Central quillback carpsucker	3	0.040	--	0	--
<i>Hypentelium nigricans</i> Northern hog sucker	1	0.238	Moderately Intolerant	0	--
<i>Catostomus commersonii</i> Common white sucker	211	6.440	Highly Tolerant	0	--
<i>Cyprinus carpio</i> Common carp	1	1.880	Highly Tolerant	0	--
<i>Carassius auratus</i> Goldfish	2	0.540	Highly Tolerant	0	--
<i>Notemigonus crysoleucas</i> Golden shiner	2	0.038	Highly Tolerant	0	--
<i>Semotilus atromaculatus</i> Creek chub	52	1.184	Highly Tolerant	0	--
<i>Notropis chrysocephalus</i> Striped shiner	1	0.030	--	0	--
<i>Notropis volucellus</i> Mimic Shiner	89	0.170	Common Intolerant	0	
<i>Pimephales notatus</i> Bluntnose minnow	16	0.050	Highly Tolerant	0	--
<i>Campostoma anomalum</i> Central stoneroller minnow	50	0.740	--	1	Lesion
<i>Ictalurus natalis</i> Yellow bullhead	4	0.584	Highly Tolerant	0	--
<i>Ictalurus nebulosus</i> Brown bullhead	26	4.570	Highly Tolerant	5	Deformity & erosions

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<i>Ambloplites rupestris</i> Northern rockbass	3	0.190	--	0	--
<i>Micropterus dolomieu</i> Smallmouth bass	2	0.020	Moderately Intolerant	0	--
<i>Micropterus salmoides</i> Largemouth bass	38	0.728	--	0	--
<i>Lepomis cyanellus</i> Green sunfish	2	0.064	Highly Tolerant	0	--
<i>Lepomis macrochirus</i> Northern bluegill sunfish	6	0.132	Moderately Tolerant	0	--
<i>Lepomis gibbosus</i> Pumpkinseed sunfish	142	1.908	Moderately Tolerant	0	--
<i>Percina caprodes</i> Northern logperch darter	2	0.012	Moderately Intolerant	0	--
<i>Aplodinotus grunniens</i> Freshwater drum	1	0.600	Moderately Tolerant	1	Multiple
<i>Neogobius melanostomus</i> Round goby	8	0.020	--	0	--
Totals	<u>670</u>	<u>20.506</u>		<u>7</u>	

\*DELT anomalies were observed on 1.045 % of the fish collected.  
 Index of Biotic Integrity (IBI) = 32 (Fair)  
 Modified Index of Well-Being (MIwb) 8.7 (Marginally Good)  
 Shannon Diversity Index, wt. 2.084  
 Shannon Diversity Index, no. 2.159  
 N 692  
 B 10.27

**Euclid Creek Upstream of Confluence with Lake Erie**

**September 22, 2010**

**River Mile: 0.20**

**Collection Method: Boat Electroshocking**

**Drainage Area: 24 miles<sup>2</sup>**

**Collection Distance: 0.5 km**

<u>Species</u>	<u>Number</u>	<u>Weight (kg)</u>	<u>Pollution Tolerance</u>	<u>#</u>	<u>DELT Anomalies Description</u>
<i>Oncorhynchus mykiss</i> Rainbow trout	13	25.500	--	0	--
<i>Carpiodes cyprinus</i> Central quillback carpsucker	3	0.044	--	0	--
<i>Catostomus commersonii</i> Common white sucker	248	18.862	Highly Tolerant	0	--
<i>Cyprinus carpio</i> Common carp	3	11.600	Highly Tolerant	0	--
<i>Carassius auratus</i> Goldfish	4	1.420	Highly Tolerant	1	Lesion
<i>Notemigonus crysoleucas</i> Golden shiner	3	0.014	Highly Tolerant	0	--
<i>Semotilus atromaculatus</i> Creek chub	7	0.186	Highly Tolerant	0	--
<i>Notropis atherinoides</i> Common Emerald shiner	4	0.016	--	0	--
<i>Notropis hudsonius</i> Spottail shiner	2	0.036	Moderately Tolerant	0	--
<i>Cyprinella spiloptera</i> Spotfin shiner	2	0.010	--	0	--
<i>Notropis volucellus</i> Mimic Shiner	3	0.012	Common Intolerant	0	--
<i>Pimephales notatus</i> Bluntnose minnow	4	0.012	Highly Tolerant	0	--
<i>Campostoma anomalum</i> Central stoneroller minnow	4	0.042	--	0	--
<i>Ictalurus natalis</i> Yellow bullhead	5	1.028	Highly Tolerant	3	Erosions
<i>Ictalurus nebulosus</i> Brown bullhead	16	2.232	Highly Tolerant	3	Eroded fin & lesions

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**September 22, 2010**  
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<i>Labidesthes sicculus</i> Brook silverside	8	0.020	Moderately Intolerant	0	--
<i>Morone americana</i> White perch	5	0.034	--	0	--
<i>Pomoxis nigromaculatus</i> Black crappie	1	0.038	--	0	--
<i>Ambloplites rupestris</i> Northern rockbass	5	0.092	--	0	--
<i>Micropterus dolomieu</i> Smallmouth bass	5	0.046	Moderately Intolerant	0	--
<i>Micropterus salmoides</i> Largemouth bass	45	0.926	--	0	--
<i>Lepomis macrochirus</i> Northern bluegill sunfish	9	0.094	Moderately Tolerant	0	--
<i>Lepomis gibbosus</i> Pumpkinseed sunfish	109	1.452	Moderately Tolerant	0	--
<i>Perca flavescens</i> Yellow perch	4	0.036	--	0	--
<i>Percina caprodes</i> Northern logperch darter	2	0.014	Moderately Intolerant	0	--
<i>Aplodinotus grunniens</i> Freshwater drum	1	0.048	Moderately Tolerant	0	--
<i>Neogobius melanostomus</i> Round goby	5	0.022	--	0	--
<i>Osmerus mordax</i> Rainbow Smelt	1	0.016	--	0	
Totals	<u>521</u>	<u>63.852</u>		<u>7</u>	

\*DELT anomalies were observed on 1.344 % of the fish collected.

Index of Biotic Integrity (IBI) = 34 (Fair)

Modified Index of Well-Being (MIwb) 7.4 (Fair)

Shannon Diversity Index, wt. 1.912

Shannon Diversity Index, no. 1.543

N 416

B 5.884