

Rocky River Upstream of Abram Creek
August 22, 2012
River Mile: 10.50
Collection Method: Longline Electrofishing
Drainage Area: 269 miles²
Collection Distance: 0.2 km

Species	Number	Weight (kg)	Pollution Tolerance	#	DELT Anomalies Description
Carpoides cyprinus Central quillback carpsucker	2	0.022	--	0	---
Hypentelium nigricans Northern hog sucker	79	13.525	Moderately Intolerant	0	---
Catostomus commersonii Common white sucker	529	5.920	Highly Tolerant	0	---
Cyprinus carpio Common carp	30	62.268	Highly Tolerant	1	Deformity
Carassius auratus Goldfish	1	0.064	Highly Tolerant	0	---
Notropis rubellus Rosyface Shiner	19	0.036	Intolerant	0	---
Notropis chrysocephalus Striped shiner	147	3.550	--	0	---
Cyprinella spiloptera Spotfin shiner	19	0.042	--	0	---
Notropis stramineus Sand shiner	141	0.160	Moderately Intolerant	0	---
Pimephales notatus Bluntnose minnow	87	0.148	Highly Tolerant	0	---
Campostoma anomalum Central stoneroller minnow	39	0.472	--	0	---
Ictalurus natalis Yellow bullhead	5	0.082	Highly Tolerant	0	---
Noturus flavus Stonecat Madtom	2	0.086	Intolerant	0	---
Ambloplites rupestris Northern rockbass	22	0.212	--	0	---
Micropterus dolomieu Smallmouth bass	29	3.650	Moderately Intolerant	1	Lesion

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Lepomis cyanellus Green sunfish	10	0.148	Highly Tolerant	0	---
Lepomis macrochirus Northern bluegill sunfish	11	0.192	Moderately Tolerant	3	Lesion
Lepomis gibbosus Pumpkinseed sunfish	1	0.030	Moderately Tolerant	0	---
Etheostoma blenniodes Greenside darter	98	0.242	Moderately Intolerant	0	---
Etheostoma caeruleum Rainbow darter	12	0.020	Moderately Intolerant	0	---
Etheostoma nigrum Johnny darter	2	0.006	--	0	---
Neogobius melanostomus Round goby	46	0.160	--	0	---
 Totals	 <u>1331</u>	 <u>91.035</u>		 <u>5</u>	

*DELT anomalies were observed on	0.38	% of the fish collected.
Index of Biotic Integrity (IBI) =	36	(Marginally Good)
Modified Index of Well-Being (MIwb) =	8.4	(Good)
Shannon Diversity Index, no.	2.144	
Shannon Diversity Index, wt.	1.121	
N	934.5	
B	33.37	

Rocky River Downstream of Abram Creek
August 22, 2012
River Mile: 10.20
Collection Method: Longline Electrofishing
Drainage Area: 280 miles²
Collection Distance: 0.2 km

Species	Number	Weight (kg)	Pollution Tolerance	#	DELT Anomalies Description
Carpoides cyprinus Central quillback carpsucker	3	0.070	--	0	---
Hypentelium nigricans Northern hog sucker	6	0.576	Moderately Intolerant	0	---
Catostomus commersonii Common white sucker	451	4.925	Highly Tolerant	0	---
Cyprinus carpio Common carp	2	2.510	Highly Tolerant	0	---
Semotilus atromaculatus Creek chub	88	0.256	Highly Tolerant	0	---
Notropis rubellus Rosyface Shiner	37	0.040	Intolerant	0	---
Notropis chrysocephalus Striped shiner	132	1.748	--	0	---
Cyprinella spiloptera Spotfin shiner	26	0.068	--	0	---
Notropis stramineus Sand shiner	466	0.630	Moderately Intolerant	0	---
Ericymba buccata Silverjaw minnow	9	0.036	--	0	---
Pimephales notatus Bluntnose minnow	393	0.456	Highly Tolerant	0	---
Campostoma anomalum Central stoneroller minnow	177	1.510	--	0	---
Ictalurus punctatus Channel catfish	1	0.051	--	0	---
Ictalurus natalis Yellow bullhead	2	0.016	Highly Tolerant	0	---
Noturus flavus Stonecat Madtom	1	0.074	Intolerant	0	---

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River Mile: 10.20

Ambloplites rupestris Northern rockbass	11	0.038	--	0	---
Micropterus dolomieu Smallmouth bass	5	0.062	Moderately Intolerant	0	---
Lepomis cyanellus Green sunfish	4	0.028	Highly Tolerant	0	---
Lepomis macrochirus Northern bluegill sunfish	2	0.014	Moderately Tolerant	0	---
Etheostoma blenniodes Greenside darter	148	0.340	Moderately Intolerant	0	---
Etheostoma caeruleum Rainbow darter	3	0.006	Moderately Intolerant	0	---
Etheostoma nigrum Johnny darter	8	0.010	--	0	---
Neogobius melanostomus Round goby	67	0.234	--	0	---
Totals	<u>2042</u>	<u>13.698</u>		<u>0</u>	

*DELT anomalies were observed on	0.00	% of the fish collected.
Index of Biotic Integrity (IBI) =	34	(Marginally Good)
Modified Index of Well-Being (MIwb) =	8.8	(Good)
Shannon Diversity Index, no.	2.108	
Shannon Diversity Index, wt.	2.02	
N	1553	
B	7.91	