



**Rocky River East Branch Upstream of Former Bonnie  
 Park Dam**  
**6/17/2021 11:31:00 AM**  
**River Mile: 8.70**  
**Collection Method: Longline Electrofishing**  
**Drainage Area: 60 square miles**  
**0.20 km**  
**IBI Type: Wading**

Code	Species	No.	Weight (kg)	Pollution Tolerance	DELT Anomalies	
					#	Description
34-001	<i>Umbra limi</i> Central mudminnow	1	0.0010	Tolerant	0	--
40-010	<i>Moxostoma erythrurum</i> Golden redhorse	10	5.30	Moderately Intolerant	0	--
40-015	<i>Hypentelium nigricans</i> Northern hog sucker	23	1.37	Moderately Intolerant	0	--
40-016	<i>Catostomus commersonii</i> Common white sucker	12	1.09	Tolerant	0	--
43-011	<i>Rhinichthys atratulus</i> Blacknose dace	7	0.0450	Tolerant	0	--
43-013	<i>Semotilus atromaculatus</i> Creek chub	12	0.0330	Tolerant	0	--
43-026	<i>Notropis cornutus</i> Common shiner	225	1.3950	--	0	--
43-032	<i>Cyprinella spiloptera</i> Spotfin shiner	45	0.2420	--	0	--
43-034	<i>Notropis stramineus</i> Sand shiner	42	0.11	Moderately Intolerant	0	--
43-042	<i>Pimephales promelas</i> Northern fathead minnow	1	0.0020	Tolerant	0	--
43-043	<i>Pimephales notatus</i> Bluntnose minnow	124	0.4560	Tolerant	0	--
43-044	<i>Campostoma anomalum</i> Central stoneroller minnow	275	2.7720	--	0	--
47-004	<i>Ictalurus natalis</i> Yellow bullhead	3	0.1250	Tolerant	0	--
77-003	<i>Ambloplites rupestris</i> Northern rockbass	3	0.15	--	0	--
77-008	<i>Lepomis cyanellus</i> Green sunfish	26	0.32	Tolerant	0	--
77-009	<i>Lepomis macrochirus</i> Bluegill sunfish	5	0.75	Moderately Tolerant	0	--
77-013	<i>Lepomis gibbosus</i> Pumpkinseed sunfish	1	0.06	Moderately Tolerant	0	--



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80-014	<i>Etheostoma nigrum</i> Johnny darter	1	0.0020	--	0	--
80-015	<i>Etheostoma blenniodes</i> Greenside darter	12	0.08	Moderately Intolerant	0	--
80-022	<i>Etheostoma caeruleum</i> Rainbow darter	46	0.0730	Moderately Intolerant	0	--
87-001	<i>Neogobius melanostomus</i> Round goby	69	0.3160	--	0	--
Totals		943	14.6920		0	

\*DELT anomalies were observed on = 0 % of the fish collected

Index of Biotic Integrity (IBI) = 42 (Good)

Modified Index of Well-Being (MIwb) = 9.1 (Very Good)

Shannon Diversity Index, no. 2.12

Shannon Diversity Index, wt. 2.05

N = 1032

B = 18.46



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**0.20 km**  
**IBI Type: Wading**

Code	Species	No.	Weight (kg)	Pollution Tolerance	DELT Anomalies	
					#	Description
40-010	<i>Moxostoma erythrurum</i> Golden redhorse	18	3.43	Moderately Intolerant	0	--
40-015	<i>Hypentelium nigricans</i> Northern hog sucker	57	3.0570	Moderately Intolerant	0	--
40-016	<i>Catostomus commersonii</i> Common white sucker	62	4.9310	Tolerant	0	--
43-013	<i>Semotilus atromaculatus</i> Creek chub	53	0.39	Tolerant	0	--
43-026	<i>Notropis cornutus</i> Common shiner	379	3.3720	--	0	--
43-032	<i>Cyprinella spiloptera</i> Spotfin shiner	33	0.1310	--	0	--
43-033	<i>Notropis dorsalis</i> Bigmouth shiner	12	0.0220	--	0	--
43-034	<i>Notropis stramineus</i> Sand shiner	158	0.1840	Moderately Intolerant	0	--
43-039	<i>Ericymba buccata</i> Silverjaw minnow	19	0.0390	--	0	--
43-043	<i>Pimephales notatus</i> Bluntnose minnow	352	1.26	Tolerant	0	--
43-044	<i>Campostoma anomalum</i> Central stoneroller minnow	562	6.2060	--	1	Deformities
47-004	<i>Ictalurus natalis</i> Yellow bullhead	9	0.84	Tolerant	0	--
77-003	<i>Ambloplites rupestris</i> Northern rockbass	9	0.2150	--	0	--
77-006	<i>Micropterus salmoides</i> Largemouth bass	7	0.1360	--	0	--
77-008	<i>Lepomis cyanellus</i> Green sunfish	29	0.2880	Tolerant	0	--
77-009	<i>Lepomis macrochirus</i> Bluegill sunfish	1	0.0180	Moderately Tolerant	0	--
77-013	<i>Lepomis gibbosus</i> Pumpkinseed sunfish	4	0.0530	Moderately Tolerant	0	--



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80-014	<i>Etheostoma nigrum</i> Johnny darter	8	0.0270	--	0	--
80-015	<i>Etheostoma blenniodes</i> Greenside darter	20	0.0780	Moderately Intolerant	0	--
80-022	<i>Etheostoma caeruleum</i> Rainbow darter	71	0.1240	Moderately Intolerant	0	--
87-001	<i>Neogobius melanostomus</i> Round goby	40	0.1420	--	0	--
Totals		1903	24.9430		1	

\*DELT anomalies were observed on = 0.0 % of the fish collected

Index of Biotic Integrity (IBI) = 38 (Good)

Modified Index of Well-Being (MIwb) = 9.7 (Exceptional)

Shannon Diversity Index, no. 2.14

Shannon Diversity Index, wt. 2.10

N = 2037

B = 25.64