

Rocky River West Branch Downstream of Turnpike and RR Bridge

July 10, 2019

River Mile: 4.30

Station ID: T01K06

Collection Method: Longline Electrofishing

Drainage Area: 160 miles²

Collection Distance: 0.2 km

Code	Species	Number	Weight (kg)	Pollution Tolerance	DELT #	Anomalies Description
40-010	<i>Moxostoma erythrurum</i> Golden redbhorse	1	0.025	Moderately Intolerant	0	---
40-015	<i>Hypentelium nigricans</i> Northern hog sucker	10	0.75	Moderately Intolerant	0	---
40-016	<i>Catostomus commersonii</i> Common white sucker	64	14.38	Highly Tolerant	4	Lesion
43-026	<i>Notropis cornutus</i> Common shiner	3	0.03	--	0	---
43-025	<i>Notropis chrysocephalus</i> Striped shiner	2	0.04	--	0	---
43-032	<i>Cyprinella spiloptera</i> Spotfin shiner	2	0.012	--	0	---
43-034	<i>Notropis stramineus</i> Sand shiner	61	0.148	Moderately Intolerant	0	---
43-035	<i>Notropis volucellus</i> Mimic Shiner	1	0.004	Common Intolerant	0	---
43-043	<i>Pimephales notatus</i> Bluntnose minnow	70	0.194	Highly Tolerant	0	---
43-044	<i>Campostoma anomalum</i> Central stoneroller minnow	23	0.15	--	0	---
47-004	<i>Ictalurus natalis</i> Yellow bullhead	1	0.04	Highly Tolerant	1	Lesion
77-003	<i>Ambloplites rupestris</i> Northern rockbass	5	0.39	--	0	---
77-004	<i>Micropterus dolomieu</i> Smallmouth bass	6	0.27	Moderately Intolerant	0	---
77-006	<i>Micropterus salmoides</i> Largemouth bass	2	0.008	--	0	---

**Rocky River West Branch Downstream of Turnpike and RR Bridge
July 10, 2019**

**River Mile: 4.30
Station ID: T01K06**

77-008	<i>Lepomis cyanellus</i> Green sunfish	16	0.095	Highly Tolerant	0	---
77-009	<i>Lepomis macrochirus</i> Northern bluegill sunfish	36	0.23	Moderately Tolerant	0	---
80-015	<i>Etheostoma blenniodes</i> Greenside darter	151	0.464	Moderately Intolerant	0	---
80-022	<i>Etheostoma caeruleum</i> Rainbow darter	12	0.05	Moderately Intolerant	0	---
	Totals	<u>466</u>	<u>17.280</u>		<u>5</u>	

*DELT anomalies were observed on	1.07	% of the fish collected.
Index of Biotic Integrity (IBI) =	36	(Marginally Good)
Modified Index of Well-Being (MIwb) =	6.7	(Fair)
Shannon Diversity Index, no.	2.074	
Shannon Diversity Index, wt.	0.831	
N	472.5	
B	3.857	

Rocky River West Branch Downstream of Turnpike and RR Bridge

October 2, 2019

River Mile: 4.30

Station ID: T01K06

Collection Method: Longline Electrofishing

Drainage Area: 160 miles²

Collection Distance: 0.2 km

Code	Species	Number	Weight (kg)	Pollution Tolerance	#	DELT Anomalies Description
40-015	<i>Hypentelium nigricans</i> Northern hog sucker	14	0.705	Moderately Intolerant	0	---
40-016	<i>Catostomus commersonii</i> Common white sucker	91	17.565	Highly Tolerant	0	---
43-011	<i>Rhinichthys atratulus</i> Blacknose dace	1	0.002	Highly Tolerant	0	---
43-013	<i>Semotilus atromaculatus</i> Creek chub	30	0.1	Highly Tolerant	0	---
43-022	<i>Notropis rubellus</i> Rosyface Shiner	2	0.006	Intolerant	0	---
43-026	<i>Notropis cornutus</i> Common shiner	2	0.03	--	0	---
43-025	<i>Notropis chrysocephalus</i> Striped shiner	1	0.07	--	0	---
43-032	<i>Cyprinella spiloptera</i> Spotfin shiner	13	0.018	--	0	---
43-034	<i>Notropis stramineus</i> Sand shiner	48	0.055	Moderately Intolerant	0	---
43-043	<i>Pimephales notatus</i> Bluntnose minnow	135	0.127	Highly Tolerant	0	---
43-044	<i>Campostoma anomalum</i> Central stoneroller minnow	38	0.29	--	0	---
47-004	<i>Ictalurus natalis</i> Yellow bullhead	1	0.01	Highly Tolerant	0	---
47-008	<i>Noturus flavus</i> Stonecat Madtom	2	0.63	Intolerant	0	---
77-003	<i>Ambloplites rupestris</i> Northern rockbass	4	0.22	--	0	---

Rocky River West Branch Downstream of Turnpike and RR Bridge

October 2, 2019

River Mile: 4.30

Station ID: T01K06

77-004	<i>Micropterus dolomieu</i> Smallmouth bass	29	1.1	Moderately Intolerant	0	---
77-006	<i>Micropterus salmoides</i> Largemouth bass	11	0.117	--	0	---
77-008	<i>Lepomis cyanellus</i> Green sunfish	27	0.12	Highly Tolerant	0	---
77-009	<i>Lepomis macrochirus</i> Northern bluegill sunfish	9	0.12	Moderately Tolerant	0	---
77-013	<i>Lepomis gibbosus</i> Pumpkinseed sunfish	4	0.11	Moderately Tolerant	0	---
80-005	<i>Etheostoma maculata</i> Blackside darter	1	0.002	--	0	---
80-014	<i>Etheostoma nigrum</i> Johnny darter	87	0.092	--	0	---
80-015	<i>Etheostoma blenniodes</i> Greenside darter	232	0.938	Moderately Intolerant	0	---
80-022	<i>Etheostoma caeruleum</i> Rainbow darter	35	0.057	Moderately Intolerant	0	---
80-024	<i>Etheostoma flabellare</i> Barred Fantail darter	1	0.002	--	0	---
Totals		<u>818</u>	<u>22.486</u>		<u>0</u>	

*DELT anomalies were observed on	0.00	% of the fish collected.
Index of Biotic Integrity (IBI) =	46	(Very Good)
Modified Index of Well-Being (MIwb) =	7.7	(Marginally Good)
Shannon Diversity Index, no.	2.314	
Shannon Diversity Index, wt.	1.039	
N	799.5	
B	6.843	

Rocky River West Branch Downstream of Lewis Road

July 19, 2019

River Mile: 0.45

Station ID: 501850

Collection Method: Roller Pram Electrofishing

Drainage Area: 190 miles²

Collection Distance: 0.2 km

Code	Species	Number	Weight (kg)	Pollution Tolerance	#	DELT Anomalies Description
40-015	<i>Hypentelium nigricans</i> Northern hog sucker	1	0.004	Moderately Intolerant	0	---
40-016	<i>Catostomus commersonii</i> Common white sucker	2	0.008	Highly Tolerant	0	---
43-026	<i>Notropis cornutus</i> Common shiner	7	0.068	--	0	---
43-025	<i>Notropis chrysocephalus</i> Striped shiner	8	0.141	--	0	---
43-032	<i>Cyprinella spiloptera</i> Spotfin shiner	8	0.051	--	0	---
43-034	<i>Notropis stramineus</i> Sand shiner	10	0.03	Moderately Intolerant	0	---
43-042	<i>Pimephales promelas</i> Northern fathead minnow	2	0.008	Highly Tolerant	0	---
43-043	<i>Pimephales notatus</i> Bluntnose minnow	8	0.048	Highly Tolerant	0	---
43-044	<i>Campostoma anomalum</i> Central stoneroller minnow	7	0.032	--	0	---
47-004	<i>Ictalurus natalis</i> Yellow bullhead	4	0.25	Highly Tolerant	0	---
47-008	<i>Noturus flavus</i> Stonecat Madtom	10	0.24	Intolerant	0	---
77-003	<i>Ambloplites rupestris</i> Northern rockbass	2	0.08	--	0	---
77-004	<i>Micropterus dolomieu</i> Smallmouth bass	2	0.06	Moderately Intolerant	0	---
77-006	<i>Micropterus salmoides</i> Largemouth bass	16	0.038	--	0	---

Rocky River West Branch Downstream of Lewis Road

July 19, 2019

River Mile: 0.45

Station ID: 501850

77-008	<i>Lepomis cyanellus</i> Green sunfish	18	0.161	Highly Tolerant	0	---
77-009	<i>Lepomis macrochirus</i> Northern bluegill sunfish	82	0.303	Moderately Tolerant	0	---
77-014	<i>HYBRID</i> Bluegill X Pumpkinseed	1	0.11	--	0	---
80-014	<i>Etheostoma nigrum</i> Johnny darter	1	0.001	--	0	---
80-015	<i>Etheostoma blenniodes</i> Greenside darter	22	0.085	Moderately Intolerant	0	---
80-022	<i>Etheostoma caeruleum</i> Rainbow darter	6	0.013	Moderately Intolerant	0	---
	Totals	<u>217</u>	<u>1.731</u>		<u>0</u>	

*DELT anomalies were observed on	0.00	% of the fish collected.
Index of Biotic Integrity (IBI) =	42	(Good)
Modified Index of Well-Being (MIwb) =	7.9	(Marginally Good)
Shannon Diversity Index, no.	2.289	
Shannon Diversity Index, wt.	2.528	
N	273	
B	1.719	

Rocky River West Branch Downstream of Lewis Road

October 1, 2019

River Mile: 0.45

Station ID: 501850

Collection Method: Roller Pram Electrofishing

Drainage Area: 190 miles²

Collection Distance: 0.2 km

Code	Species	Number	Weight (kg)	Pollution Tolerance	#	DELT Anomalies Description
40-005	<i>Carpionodes cyprinus</i> Central quillback carpsucker	9	0.19	--	0	---
40-015	<i>Hypentelium nigricans</i> Northern hog sucker	6	2.15	Moderately Intolerant	0	---
40-016	<i>Catostomus commersonii</i> Common white sucker	16	3.3	Highly Tolerant	0	---
43-001	<i>Cyprinus carpio</i> Common carp	4	6.123	Highly Tolerant	0	---
43-013	<i>Semotilus atromaculatus</i> Creek chub	2	0.01	Highly Tolerant	0	---
43-020	<i>Notropis atherinoides</i> Common Emerald shiner	2	0.007	--	0	---
43-022	<i>Notropis rubellus</i> Rosyface Shiner	23	0.052	Intolerant	0	---
43-026	<i>Notropis cornutus</i> Common shiner	18	0.2	--	0	---
43-025	<i>Notropis chrysocephalus</i> Striped shiner	26	1.202	--	0	---
43-032	<i>Cyprinella spiloptera</i> Spotfin shiner	282	0.36	--	0	---
43-034	<i>Notropis stramineus</i> Sand shiner	286	0.253	Moderately Intolerant	0	---
43-035	<i>Notropis volucellus</i> Mimic Shiner	1	0.003	Common Intolerant	0	---
43-039	<i>Ericymba buccata</i> Silverjaw minnow	3	0.012	--	0	---
43-042	<i>Pimephales promelas</i> Northern fathead minnow	1	0.003	Highly Tolerant	0	---

Rocky River West Branch Downstream of Lewis Road

October 1, 2019

River Mile: 0.45

Station ID: 501850

43-043	<i>Pimephales notatus</i> Bluntnose minnow	272	0.333	Highly Tolerant	0	---
43-044	<i>Campostoma anomalum</i> Central stoneroller minnow	35	0.22	--	0	---
47-002	<i>Ictalurus punctatus</i> Channel catfish	43	0.2	--	0	---
47-004	<i>Ictalurus natalis</i> Yellow bullhead	5	0.305	Highly Tolerant	0	---
47-005	<i>Ictalurus nebulosus</i> Brown bullhead	1	0.373	Highly Tolerant	0	---
47-008	<i>Noturus flavus</i> Stonecat Madtom	70	1.25	Intolerant	0	---
77-003	<i>Ambloplites rupestris</i> Northern rockbass	3	0.275	--	0	---
77-004	<i>Micropterus dolomieu</i> Smallmouth bass	23	1.644	Moderately Intolerant	0	---
77-006	<i>Micropterus salmoides</i> Largemouth bass	3	0.11	--	0	---
77-008	<i>Lepomis cyanellus</i> Green sunfish	19	0.17	Highly Tolerant	0	---
77-009	<i>Lepomis macrochirus</i> Northern bluegill sunfish	20	0.305	Moderately Tolerant	0	---
77-013	<i>Lepomis gibbosus</i> Pumpkinseed sunfish	1	0.01	Moderately Tolerant	0	---
80-015	<i>Etheostoma blenniodes</i> Greenside darter	60	0.37	Moderately Intolerant	0	---
80-022	<i>Etheostoma caeruleum</i> Rainbow darter	17	0.072	Moderately Intolerant	0	---
87-001	<i>Neogobius melanostomus</i> Round goby	3	0.018	--	0	---
	Totals	<u>1254</u>	<u>19.520</u>		<u>0</u>	

*DELT anomalies were observed on 0.00 % of the fish collected.
 Index of Biotic Integrity (IBI) = 42 (Good)
 Modified Index of Well-Being (MIwb) = 9.5 (Exceptional)

Rocky River West Branch Downstream of Lewis Road

October 1, 2019

River Mile: 0.45

Station ID: 501850

Shannon Diversity Index, no.	2.26
Shannon Diversity Index, wt.	2.324
N	1397
B	13.33