

Rocky River West Branch Upstream of Blodgett Creek

August 31, 2012

River Mile: 4.65

Collection Method: Longline Electrofishing

Drainage Area: 156 miles²

Collection Distance: 0.2 km

Species	Number	Weight (kg)	Pollution Tolerance	DELT #	Anomalies Description
Hypentelium nigricans Northern hog sucker	45	1.950	Moderately Intolerant	0	---
Catostomus commersonii Common white sucker	3	0.054	Highly Tolerant	0	---
Semotilus atromaculatus Creek chub	22	0.068	Highly Tolerant	0	---
Notropis rubellus Rosyface Shiner	42	0.122	Intolerant	0	---
Notropis chrysocephalus Striped shiner	10	0.254	--	0	---
Cyprinella spiloptera Spotfin shiner	16	0.072	--	0	---
Notropis stramineus Sand shiner	798	1.120	Moderately Intolerant	0	---
Ericymba buccata Silverjaw minnow	12	0.060	--	0	---
Pimephales notatus Bluntnose minnow	315	0.541	Highly Tolerant	0	---
Campostoma anomalum Central stoneroller minnow	108	0.694	--	1	Lesion
Noturus flavus Stonecat Madtom	2	0.044	Intolerant	0	---
Ambloplites rupestris Northern rockbass	6	0.188	--	0	---
Micropterus dolomieu Smallmouth bass	96	1.770	Moderately Intolerant	0	---
Micropterus salmoides Largemouth bass	2	0.046	--	0	---
Lepomis cyanellus Green sunfish	5	0.096	Highly Tolerant	0	---

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Lepomis macrochirus Northern bluegill sunfish	1	0.038	Moderately Tolerant	0	---
Etheostoma blenniodes Greenside darter	141	0.386	Moderately Intolerant	0	---
Etheostoma caeruleum Rainbow darter	5	0.020	Moderately Intolerant	0	---
Etheostoma nigrum Johnny darter	4	0.008	--	0	---
 Totals	 <u>1633</u>	 <u>7.531</u>		 <u>1</u>	

*DELT anomalies were observed on	0.06	% of the fish collected.
Index of Biotic Integrity (IBI) =	38	(Good)
Modified Index of Well-Being (MIwb) =	8.8	(Good)
Shannon Diversity Index, no.	1.692	
Shannon Diversity Index, wt.	2.135	
N	1932	
B	10.16	

Rocky River West Branch Downstream of Blodgett Creek

August 27, 2012

River Mile: 4.40

Collection Method: Longline Electrofishing

Drainage Area: 160 miles²

Collection Distance: 0.2 km

Species	Number	Weight (kg)	Pollution Tolerance	DELT #	Anomalies Description
Moxostoma erythrurum Golden redhorse	6	3.825	Moderately Intolerant	0	---
Hypentelium nigricans Northern hog sucker	14	0.514	Moderately Intolerant	1	Lesion
Catostomus commersonii Common white sucker	30	1.018	Highly Tolerant	0	---
Semotilus atromaculatus Creek chub	18	0.038	Highly Tolerant	0	---
Notropis rubellus Rosyface Shiner	6	0.012	Intolerant	0	---
Notropis chrysocephalus Striped shiner	21	0.056	--	0	---
Notropis stramineus Sand shiner	102	0.133	Moderately Intolerant	0	---
Pimephales notatus Bluntnose minnow	64	0.103	Highly Tolerant	0	---
Campostoma anomalum Central stoneroller minnow	98	0.600	--	0	---
Ictalurus natalis Yellow bullhead	3	0.129	Highly Tolerant	0	---
Noturus flavus Stonecat Madtom	1	0.024	Intolerant	0	---
Ambloplites rupestris Northern rockbass	30	0.440	--	0	---
Micropterus dolomieu Smallmouth bass	79	0.910	Moderately Intolerant	0	---
Micropterus salmoides Largemouth bass	4	0.267	--	0	---
Lepomis gulosus Warmouth sunfish	1	0.024	--	0	---

**Rocky River West Branch Downstream of Blodgett Creek
August 27, 2012**

River Mile: 4.40

Lepomis cyanellus Green sunfish	20	0.325	Highly Tolerant	0	---
Lepomis macrochirus Northern bluegill sunfish	11	0.290	Moderately Tolerant	0	---
Lepomis gibbosus Pumpkinseed sunfish	2	0.040	Moderately Tolerant	0	---
Etheostoma blenniodes Greenside darter	218	0.431	Moderately Intolerant	0	---
Etheostoma caeruleum Rainbow darter	16	0.015	Moderately Intolerant	0	---
Etheostoma nigrum Johnny darter	4	0.008	--	0	---
Totals	<u>748</u>	<u>9.202</u>		<u>1</u>	

*DELT anomalies were observed on	0.13	% of the fish collected.
Index of Biotic Integrity (IBI) =	50	(Exceptional)
Modified Index of Well-Being (MIwb) =	9.0	(Very Good)
Shannon Diversity Index, no.	2.298	
Shannon Diversity Index, wt.	2.1	
N	919.5	
B	11.38	

Rocky River West Branch Adjacent to stables

August 31, 2012

River Mile: 1.05

Collection Method: Longline Electrofishing

Drainage Area: 185 miles²

Collection Distance: 0.2 km

Species	Number	Weight (kg)	Pollution Tolerance	#	DELT Anomalies Description
Carpoides cyprinus Central quillback carpsucker	23	0.610	--	0	---
Hypentelium nigricans Northern hog sucker	27	1.635	Moderately Intolerant	0	---
Catostomus commersonii Common white sucker	24	1.725	Highly Tolerant	0	---
Cyprinus carpio Common carp	2	4.750	Highly Tolerant	0	---
Semotilus atromaculatus Creek chub	19	0.060	Highly Tolerant	0	---
Notropis rubellus Rosyface Shiner	20	0.042	Intolerant	0	---
Notropis chrysocephalus Striped shiner	33	0.750	--	1	Deformity
Cyprinella spiloptera Spotfin shiner	14	0.020	--	0	---
Notropis stramineus Sand shiner	96	0.140	Moderately Intolerant	0	---
Ericymba buccata Silverjaw minnow	2	0.004	--	0	---
Pimephales notatus Bluntnose minnow	77	0.078	Highly Tolerant	0	---
Campostoma anomalum Central stoneroller minnow	3	0.038	--	0	---
Noturus flavus Stonecat Madtom	3	0.024	Intolerant	0	---
Ambloplites rupestris Northern rockbass	6	0.028	--	0	---
Micropterus dolomieu Smallmouth bass	4	0.400	Moderately Intolerant	0	---

**Rocky River West Branch Adjacent to stables
August 31, 2012**

River Mile: 1.05

Lepomis cyanellus Green sunfish	4	0.044	Highly Tolerant	0	---
Lepomis macrochirus Northern bluegill sunfish	4	0.067	Moderately Tolerant	0	---
Etheostoma blenniodes Greenside darter	67	0.212	Moderately Intolerant	0	---
Etheostoma caeruleum Rainbow darter	7	0.008	Moderately Intolerant	0	---
Etheostoma flabellare Barred Fantail darter	1	0.004	--	0	---
Etheostoma nigrum Johnny darter	1	0.002	--	0	---
Totals	<u><u>437</u></u>	<u><u>10.641</u></u>		<u><u>1</u></u>	

*DELT anomalies were observed on	0.23	% of the fish collected.
Index of Biotic Integrity (IBI) =	40	(Good)
Modified Index of Well-Being (MIwb) =	8.1	(Good)
Shannon Diversity Index, no.	2.395	
Shannon Diversity Index, wt.	1.768	
N	466.5	
B	5.976	