

**Big Creek Downstream of Jennings Road**

**June 19, 2012**

**River Mile: 0.15**

**Collection Method: Longline Electrofishing**

**Drainage Area: 37 miles<sup>2</sup>**

**Collection Distance: 0.2 km**

<b>Species</b>	<b>Number</b>	<b>Weight (kg)</b>	<b>Pollution Tolerance</b>	<b>DELT #</b>	<b>Anomalies Description</b>
Hypentelium nigricans Northern hog sucker	1	0.020	Moderately Intolerant	0	---
Catostomus commersonii Common white sucker	46	0.206	Highly Tolerant	0	---
Carassius auratus Goldfish	2	0.107	Highly Tolerant	0	---
Semotilus atromaculatus Creek chub	2	0.004	Highly Tolerant	0	---
Notropis atherinoides Common Emerald shiner	18	0.102	--	0	---
Camptostoma anomalum Central stoneroller minnow	44	0.037	--	0	---
Ictalurus natalis Yellow bullhead	6	0.665	Highly Tolerant	0	---
Micropterus salmoides Largemouth bass	6	0.216	--	0	---
Lepomis gulosus Warmouth sunfish	4	0.058	--	0	---
Lepomis cyanellus Green sunfish	30	0.250	Highly Tolerant	0	---
Lepomis macrochirus Northern bluegill sunfish	26	1.000	Moderately Tolerant	0	---
Lepomis gibbosus Pumpkinseed sunfish	1	0.080	Moderately Tolerant	0	---
HYBRID Green SF X Pumpkinseed	2	0.088	--	0	---
Percina caprodes Northern logperch darter	3	0.045	Moderately Intolerant	0	---
Neogobius melanostomus Round goby	26	0.348	--	0	---

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Totals	<u>217</u>	<u>3.226</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) =	7.2	(Fair)	
Shannon Diversity Index, no.	2.151		
Shannon Diversity Index, wt.	2.119		
N	154.5		
B	2.337		

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<b>Species</b>	<b>Number</b>	<b>Weight (kg)</b>	<b>Pollution Tolerance</b>	<b>#</b>	<b>DELT Anomalies Description</b>
Cariodes cyprinus Central quillback carpsucker	1	0.010	--	0	---
Hypentelium nigricans Northern hog sucker	2	0.450	Moderately Intolerant	0	---
Catostomus commersonii Common white sucker	39	0.253	Highly Tolerant	0	---
Cyprinus carpio Common carp	1	0.010	Highly Tolerant	0	---
Carassius auratus Goldfish	2	0.160	Highly Tolerant	0	---
Rhinichthys atratulus Western blacknose dace	2	0.002	Highly Tolerant	0	---
Semotilus atromaculatus Creek chub	15	0.050	Highly Tolerant	0	---
Notropis atherinoides Common Emerald shiner	9	0.024	--	0	---
Camptostoma anomalum Central stoneroller minnow	45	0.074	--	0	---
Ictalurus natalis Yellow bullhead	10	0.572	Highly Tolerant	1	Erosion
Micropterus dolomieu Smallmouth bass	5	0.030	Moderately Intolerant	0	---
Lepomis cyanellus Green sunfish	14	0.470	Highly Tolerant	0	---
Lepomis macrochirus Northern bluegill sunfish	5	0.140	Moderately Tolerant	0	---
Lepomis gibbosus Pumpkinseed sunfish	1	0.050	Moderately Tolerant	0	---
Neogobius melanostomus Round goby	26	0.330	--	1	Lesion

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Totals	<u>177</u>	<u>2.625</u>	<u>2</u>
*DELT anomalies were observed on	1.13	% of the fish collected.	
Index of Biotic Integrity (IBI) =	28	(Fair)	
Modified Index of Well-Being (MIwb) =	6.7	(Fair)	
Shannon Diversity Index, no.	2.128		
Shannon Diversity Index, wt.	2.149		
N	102		
B	1.167		