

Hemlock Creek Downstream of Oakwood Drive

8/12/2015

River Mile: 2.50

Collection Method: Longline Electrofishing

Drainage Area: 8.7 miles²

Collection Distance: 0.15 km

Code	Species	Number	Pollution Tolerance	DELT Anomalies #	Description
43-013	<i>Semotilus atromaculatus</i> Creek chub	113	Highly Tolerant	0	---
	Totals	<u>113</u>		<u>0</u>	

*DELT anomalies were observed on
Index of Biotic Integrity (IBI) = 0.00 % of the fish collected.
20 (Poor)

Hemlock Creek Downstream of Brecksville Road

8/13/2015

River Mile: 1.15

Collection Method: Longline Electrofishing

Drainage Area: 2.4 miles²

Collection Distance: 0.15 km

Code	Species	Number	Pollution Tolerance	DELT Anomalies #	Description
40-016	<i>Catostomus commersonii</i> Common white sucker	15	Highly Tolerant	0	---
43-002	<i>Carassius auratus</i> Goldfish	1	Highly Tolerant	0	---
43-011	<i>Rhinichthys atratulus</i> Western blacknose dace	98	Highly Tolerant	0	---
43-013	<i>Semotilus atromaculatus</i> Creek chub	213	Highly Tolerant	0	---
43-044	<i>Campostoma anomalum</i> Central stoneroller minnow	4	--	0	---
77-008	<i>Lepomis cyanellus</i> Green sunfish	8	Highly Tolerant	0	---
	Totals	<u><u>339</u></u>		<u><u>0</u></u>	

*DELT anomalies were observed on Index of Biotic Integrity (IBI) = 0.00 % of the fish collected.
26 (Poor)

Hemlock Creek Upstream of Hemlock Road
8/12/2015
River Mile: 0.15
Collection Method: Longline Electrofishing
Drainage Area: 3.3 miles²
Collection Distance: 0.15 km

Code	Species	Number	Pollution Tolerance	DELT #	Anomalies Description
40-016	<i>Catostomus commersonii</i> Common white sucker	6	Highly Tolerant	0	---
43-011	<i>Rhinichthys atratulus</i> Western blacknose dace	30	Highly Tolerant	0	---
43-013	<i>Semotilus atromaculatus</i> Creek chub	91	Highly Tolerant	0	---
43-044	<i>Campostoma anomalum</i> Central stoneroller minnow	143	--	0	---
47-004	<i>Ictalurus natalis</i> Yellow bullhead	1	Highly Tolerant	0	---
77-008	<i>Lepomis cyanellus</i> Green sunfish	12	Highly Tolerant	0	---
80-014	<i>Etheostoma nigrum</i> Johnny darter	1	--	0	---
Totals		<u>284</u>		<u>0</u>	

*DELT anomalies were observed on 0.00 % of the fish collected.
 Index of Biotic Integrity (IBI) = 30 (Fair)

Hemlock Creek Lower Branch Southeast of Hemlock Creek

8/26/2015

River Mile: 0.10

Collection Method: Backpack Electrofishing

Drainage Area: 0.7 miles²

Collection Distance: 0.15 km

Code	Species	Number	Pollution Tolerance	DELT Anomalies	
				#	Description
40-016	<i>Catostomus commersonii</i> Common white sucker	29	Highly Tolerant	0	---
43-011	<i>Rhinichthys atratulus</i> Western blacknose dace	17	Highly Tolerant	0	---
43-013	<i>Semotilus atromaculatus</i> Creek chub	144	Highly Tolerant	0	---
43-026	<i>Notropis cornutus</i> Common shiner	2	--	0	---
43-042	<i>Pimephales promelas</i> Northern fathead minnow	11	Highly Tolerant	0	---
43-044	<i>Campostoma anomalum</i> Central stoneroller minnow	432	--	0	---
47-004	<i>Ictalurus natalis</i> Yellow bullhead	11	Highly Tolerant	0	---
77-006	<i>Micropterus salmoides</i> Largemouth bass	5	--	0	---
77-008	<i>Lepomis cyanellus</i> Green sunfish	61	Highly Tolerant	0	---
77-009	<i>Lepomis macrochirus</i> Northern bluegill sunfish	17	Moderately Tolerant	0	---
80-014	<i>Etheostoma nigrum</i> Johnny darter	2	--	0	---
34-001	<i>Umbra limi</i> Central Mudminnow	1	Tolerant	0	---
Totals		<u>732</u>		<u>0</u>	

*DELT anomalies were observed on 0.00 % of the fish collected.
Index of Biotic Integrity (IBI) = 48 (Very Good)