

Hemlock Creek at end of Oakwood Drive
8/12/2016
River Mile: 2.50
Collection Method: Longline Electrofishing
Drainage Area: 0.7 miles²
Collection Distance: 0.15 km

Code	Species	Number	Pollution Tolerance	DELT Anomalies #	Description
43-013	<i>Semotilus atromaculatus</i> Creek chub	172	Highly Tolerant	0	---
	Totals	172		0	

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

Hemlock Creek Downstream of Brecksville Road

9/8/2016

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	10	Highly Tolerant	0	---
43-002	<i>Carassius auratus</i> Goldfish	1	Highly Tolerant	0	---
43-011	<i>Rhinichthys atratulus</i> Blacknose dace	263	Highly Tolerant	0	---
43-013	<i>Semotilus atromaculatus</i> Creek chub	250	Highly Tolerant	0	---
43-044	<i>Campostoma anomalum</i> Central stoneroller minnow	22	--	0	---
77-008	<i>Lepomis cyanellus</i> Green sunfish	16	Highly Tolerant	0	---
	Totals	<u><u>562</u></u>		<u><u>0</u></u>	

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

Hemlock Creek Upstream of Hemlock Road

6/17/2016

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
25-002	<i>Oncorhynchus mykiss</i> Rainbow trout	67	--	0	---
40-016	<i>Catostomus commersonii</i> Common white sucker	8	Highly Tolerant	0	---
43-011	<i>Rhinichthys atratulus</i> Blacknose dace	43	Highly Tolerant	0	---
43-013	<i>Semotilus atromaculatus</i> Creek chub	40	Highly Tolerant	0	---
43-044	<i>Campostoma anomalum</i> Central stoneroller minnow	113	--	0	---
77-008	<i>Lepomis cyanellus</i> Green sunfish	2	Highly Tolerant	0	---
77-013	<i>Lepomis gibbosus</i> Pumpkinseed sunfish	2	Moderately Tolerant	0	---
	Totals	<u><u>275</u></u>		<u><u>0</u></u>	

*DELT anomalies were observed on 0.00 % of the fish collected.
Index of Biotic Integrity (IBI) = 36 (Marginally Good)

Hemlock Creek Lower Branch
8/17/2016
River Mile: 0.10
Collection Method: Longline 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	47	Highly Tolerant	0	---
43-003	<i>Notemigonus crysoleucas</i> Golden shiner	1	Highly Tolerant	0	---
43-011	<i>Rhinichthys atratulus</i> Blacknose dace	61	Highly Tolerant	0	---
43-013	<i>Semotilus atromaculatus</i> Creek chub	92	Highly Tolerant	0	---
43-026	<i>Notropis cornutus</i> Common shiner	7	--	0	---
43-043	<i>Pimephales notatus</i> Bluntnose minnow	1	Highly Tolerant	0	---
43-044	<i>Campostoma anomalum</i> Central stoneroller minnow	92	--	0	---
47-004	<i>Ictalurus natalis</i> Yellow bullhead	19	Highly Tolerant	0	---
77-006	<i>Micropterus salmoides</i> Largemouth bass	1	--	0	---
77-009	<i>Lepomis macrochirus</i> Northern bluegill sunfish	2	Moderately Tolerant	0	---
80-022	<i>Etheostoma caeruleum</i> Rainbow darter	1	Moderately Intolerant	0	---
34-001	<i>Umbra limi</i> Central Mudminnow	5	Tolerant	0	---
Totals		<u>329</u>		<u>0</u>	

*DELT anomalies were observed on 0.00 % of the fish collected.
Index of Biotic Integrity (IBI) = 46 (Very Good)