



Doan Brook Upstream of Lee Road (Site 18.1)
8/31/2023 10:30:00 AM
River Mile: 6.70
Collection Method: Longline Electrofishing
Drainage Area: 1.6 square miles
0.15 km
IBI Type: Headwaters

Code	Species	No.	Pollution Tolerance	DELT Anomalies #	Description
43-011	<i>Rhinichthys atratulus</i> Blacknose dace	75	Tolerant	0	--
43-013	<i>Semotilus atromaculatus</i> Creek chub	1439	Tolerant	0	--
43-044	<i>Campostoma anomalum</i> Central stoneroller minnow	12	--	0	--
Totals		1526		0	

*DELT anomalies were observed on = 0 % of the fish collected

Index of Biotic Integrity (IBI) = 22 (Poor)



Doan Brook Upstream of Lee Road (Site 18.1)
 10/10/2023 1:00:00 PM
 River Mile: 6.70
 Collection Method: Longline Electrofishing
 Drainage Area: 1.6 square miles
 0.15 km
 IBI Type: Headwaters

Code	Species	No.	Pollution Tolerance	DELT Anomalies #	Description
43-011	<i>Rhinichthys atratulus</i> Blacknose dace	11	Tolerant	0	--
43-013	<i>Semotilus atromaculatus</i> Creek chub	1093	Tolerant	0	--
43-044	<i>Campostoma anomalum</i> Central stoneroller minnow	9	--	0	--
Totals		1113		0	

*DELT anomalies were observed on = 0 % of the fish collected
 Index of Biotic Integrity (IBI) = 22 (Poor)



Doan Brook Upstream of Culvert/Downstream of MLK
Drive
6/30/2023 9:30:00 AM
River Mile: 5.45
Collection Method: Longline Electrofishing
Drainage Area: 4.53 square miles
0.15 km
IBI Type: Headwaters

Code	Species	No.	Pollution Tolerance	DELT Anomalies #	Description
43-013	<i>Semotilus atromaculatus</i> Creek chub	56	Tolerant	0	--
43-044	<i>Campostoma anomalum</i> Central stoneroller minnow	10	--	0	--
77-008	<i>Lepomis cyanellus</i> Green sunfish	65	Tolerant	0	--
Totals		131		0	

*DELT anomalies were observed on = 0 % of the fish collected

Index of Biotic Integrity (IBI) = 24 (Poor)



Doan Brook Upstream of MLK Drive
8/31/2023 1:55:00 PM
River Mile: 3.10
Collection Method: Longline Electrofishing
Drainage Area: 7.4 square miles
0.15 km
IBI Type: Headwaters

Code	Species	No.	Pollution Tolerance	DELT Anomalies	
				#	Description
40-016	<i>Catostomus commersonii</i> Common white sucker	5	Tolerant	0	--
43-001	<i>Cyprinus carpio</i> Common carp	5	Tolerant	0	--
43-002	<i>Carassius auratus</i> Goldfish	2	Tolerant	0	--
43-013	<i>Semotilus atromaculatus</i> Creek chub	86	Tolerant	1	Deformities
43-044	<i>Campostoma anomalum</i> Central stoneroller minnow	205	--	7	Deformities Fin Erosion Lesions
77-008	<i>Lepomis cyanellus</i> Green sunfish	197	Tolerant	0	--
77-013	<i>Lepomis gibbosus</i> Pumpkinseed sunfish	3	Moderately Tolerant	0	--
Totals		503		8	

*DELT anomalies were observed on = $\frac{1.5}{100}$ % of the fish collected

Index of Biotic Integrity (IBI) = 20 (Poor)



Doan Brook Upstream of MLK Drive
8/31/2023 1:55:00 PM
River Mile: 3.10
Collection Method: Longline Electrofishing
Drainage Area: 7.4 square miles
0.15 km
IBI Type: Headwaters

Code	Species	No.	Pollution Tolerance	DELT Anomalies	
				#	Description
40-016	<i>Catostomus commersonii</i> Common white sucker	5	Tolerant	0	--
43-001	<i>Cyprinus carpio</i> Common carp	5	Tolerant	0	--
43-002	<i>Carassius auratus</i> Goldfish	2	Tolerant	0	--
43-013	<i>Semotilus atromaculatus</i> Creek chub	86	Tolerant	1	Deformities
43-044	<i>Campostoma anomalum</i> Central stoneroller minnow	205	--	7	Deformities Fin Erosion Lesions
77-008	<i>Lepomis cyanellus</i> Green sunfish	197	Tolerant	0	--
77-013	<i>Lepomis gibbosus</i> Pumpkinseed sunfish	3	Moderately Tolerant	0	--
Totals		503		8	

*DELT anomalies were observed on = 1.5 % of the fish collected

Index of Biotic Integrity (IBI) = 20 (Poor)



Doan Brook Downstream of St Clair Avenue (Site 16.1)
 6/29/2023 12:00:00 AM
 River Mile: 0.75
 Collection Method: Longline Electrofishing
 Drainage Area: 9.1 square miles
 0.15 km
 IBI Type: Headwaters

Code	Species	No.	Pollution Tolerance	DELT Anomalies	
				#	Description
40-016	<i>Catostomus commersonii</i> Common white sucker	16	Tolerant	0	--
43-001	<i>Cyprinus carpio</i> Common carp	1	Tolerant	0	--
43-002	<i>Carassius auratus</i> Goldfish	3	Tolerant	0	--
43-013	<i>Semotilus atromaculatus</i> Creek chub	16	Tolerant	0	--
43-032	<i>Cyprinella spiloptera</i> Spotfin shiner	1	--	0	--
47-004	<i>Ictalurus natalis</i> Yellow bullhead	19	Tolerant	8	Lesions
47-005	<i>Ictalurus nebulosus</i> Brown bullhead	1	Tolerant	0	--
47-006	<i>Ictalurus melas</i> Black bullhead	2	Moderately Tolerant	0	--
77-008	<i>Lepomis cyanellus</i> Green sunfish	20	Tolerant	0	--
77-009	<i>Lepomis macrochirus</i> Bluegill sunfish	7	Moderately Tolerant	0	--
77-013	<i>Lepomis gibbosus</i> Pumpkinseed sunfish	6	Moderately Tolerant	0	--
77-014	<i>HYBRID</i> Bluegill sunfish X Pumpkinseed sunfish	1	--	0	--
80-003	<i>Perca flavescens</i> Yellow perch	1	--	0	--
87-001	<i>Neogobius melanostomus</i> Round goby	16	--	0	--
Totals		110		8	

*DELT anomalies were observed on = $\frac{7.2}{110}$ % of the fish collected

Index of Biotic Integrity (IBI) = 22 (Poor)



Doan Brook Downstream of St Clair Avenue (Site 16.1)
9/1/2023 2:30:00 PM
River Mile: 0.75
Collection Method: Longline Electrofishing
Drainage Area: 9.1 square miles
0.15 km
IBI Type: Headwaters

Code	Species	No.	Pollution Tolerance	DELT Anomalies	
				#	Description
40-016	<i>Catostomus commersonii</i> Common white sucker	24	Tolerant	0	--
43-002	<i>Carassius auratus</i> Goldfish	2	Tolerant	1	Lesions
43-013	<i>Semotilus atromaculatus</i> Creek chub	56	Tolerant	0	--
43-032	<i>Cyprinella spiloptera</i> Spotfin shiner	1	--	0	--
43-034	<i>Notropis stramineus</i> Sand shiner	1	Moderately Intolerant	0	--
43-044	<i>Campostoma anomalum</i> Central stoneroller minnow	29	--	0	--
47-004	<i>Ictalurus natalis</i> Yellow bullhead	12	Tolerant	1	Lesions
77-008	<i>Lepomis cyanellus</i> Green sunfish	23	Tolerant	0	--
77-009	<i>Lepomis macrochirus</i> Bluegill sunfish	4	Moderately Tolerant	0	--
77-013	<i>Lepomis gibbosus</i> Pumpkinseed sunfish	30	Moderately Tolerant	0	--
87-001	<i>Neogobius melanostomus</i> Round goby	38	--	0	--
Totals		220		2	

*DELT anomalies were observed on = 0.9 % of the fish collected
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 Index of Biotic Integrity (IBI) = 30 (Fair)



Doan Brook South Branch Upstream of Attleboro Road  
(Site 19.5)  
8/10/2023 10:45:00 AM  
River Mile: 1.40  
Collection Method: Longline Electrofishing  
Drainage Area: 3.4 square miles  
0.15 km  
IBI Type: Headwaters

| Code   | Species                                   | No. | Pollution Tolerance | DELT Anomalies # | Description           |
|--------|-------------------------------------------|-----|---------------------|------------------|-----------------------|
| 43-002 | <i>Carassius auratus</i><br>Goldfish      | 2   | Tolerant            | 0                | --                    |
| 77-008 | <i>Lepomis cyanellus</i><br>Green sunfish | 78  | Tolerant            | 9                | Deformities<br>Tumors |
| Totals |                                           | 80  |                     | 9                |                       |

\*DELT anomalies were observed on = 11.11% of the fish collected

Index of Biotic Integrity (IBI) = 20 (Poor)





Doan Brook South Branch Upstream of Attleboro Road  
(Site 19.5)  
9/25/2023 11:00:00 AM  
River Mile: 1.40  
Collection Method: Longline Electrofishing  
Drainage Area: 3.4 square miles  
0.15 km  
IBI Type: Headwaters

| Code   | Species                                   | No. | Pollution Tolerance | DELT Anomalies # | Description |
|--------|-------------------------------------------|-----|---------------------|------------------|-------------|
| 43-002 | <i>Carassius auratus</i><br>Goldfish      | 3   | Tolerant            | 0                | --          |
| 77-008 | <i>Lepomis cyanellus</i><br>Green sunfish | 268 | Tolerant            | 0                | --          |
| Totals |                                           | 271 |                     | 0                |             |

\*DELT anomalies were observed on = 0 % of the fish collected

Index of Biotic Integrity (IBI) = 24 (Poor)



**Doan Brook South Branch Downstream of Woodland  
 Road**  
**6/30/2023 11:30:00 AM**  
**River Mile: 0.50**  
**Collection Method: Longline Electrofishing**  
**Drainage Area: 2.29 square miles**  
**0.15 km**  
**IBI Type: Headwaters**

| Code   | Species                                                  | No. | Pollution<br>Tolerance | DELT<br>Anomalies |             |
|--------|----------------------------------------------------------|-----|------------------------|-------------------|-------------|
|        |                                                          |     |                        | #                 | Description |
| 43-011 | <i>Rhinichthys atratulus</i><br>Blacknose dace           | 65  | Tolerant               | 0                 | --          |
| 43-013 | <i>Semotilus atromaculatus</i><br>Creek chub             | 272 | Tolerant               | 0                 | --          |
| 43-044 | <i>Campostoma anomalum</i><br>Central stoneroller minnow | 525 | --                     | 0                 | --          |
| 77-008 | <i>Lepomis cyanellus</i><br>Green sunfish                | 33  | Tolerant               | 0                 | --          |
| Totals |                                                          | 895 |                        | 0                 |             |

\*DELT anomalies were observed on = 0 % of the fish collected

Index of Biotic Integrity (IBI) = 30 (Fair)



**Doan Brook South Branch Downstream of Woodland  
 Road**  
**9/1/2023 11:30:00 AM**  
**River Mile: 0.50**  
**Collection Method: Longline Electrofishing**  
**Drainage Area: 2.29 square miles**  
**0.15 km**  
**IBI Type: Headwaters**

| Code   | Species                                                  | No.  | Pollution<br>Tolerance | DELT<br>Anomalies |             |
|--------|----------------------------------------------------------|------|------------------------|-------------------|-------------|
|        |                                                          |      |                        | #                 | Description |
| 43-002 | <i>Carassius auratus</i><br>Goldfish                     | 4    | Tolerant               | 0                 | --          |
| 43-011 | <i>Rhinichthys atratulus</i><br>Blacknose dace           | 95   | Tolerant               | 0                 | --          |
| 43-013 | <i>Semotilus atromaculatus</i><br>Creek chub             | 434  | Tolerant               | 0                 | --          |
| 43-044 | <i>Campostoma anomalum</i><br>Central stoneroller minnow | 1162 | --                     | 0                 | --          |
| 77-008 | <i>Lepomis cyanellus</i><br>Green sunfish                | 387  | Tolerant               | 0                 | --          |
| Totals |                                                          | 2082 |                        | 0                 |             |

\*DELT anomalies were observed on = 0 % of the fish collected

Index of Biotic Integrity (IBI) = 32 (Fair)