

Doan Brook Downstream of St. Clair Avenue

6/29/2010

River Mile: 0.75

Collection Method: Longline Electroshocking

Drainage Area: 9.1 miles²

Collection Distance: 0.15 km

<u>Species</u>	<u>Number</u>	<u>Pollution Tolerance</u>	<u>#</u>	<u>DELT Anomalies Description</u>
<i>Catostomus commersonii</i> Common white sucker	1	Highly Tolerant	0	--
<i>Carassius auratus</i> Goldfish	2	Highly Tolerant	1	Deformed tail
<i>Ictalurus natalis</i> Yellow bullhead	8	Highly Tolerant	3	Eroded tails & lesion
<i>Ictalurus nebulosus</i> Brown bullhead	8	Highly Tolerant	4	Deformed tail & lesions
<i>Lepomis gibbosus</i> Pumpkinseed sunfish	16	Moderately Tolerant	0	--
Totals	<u>35</u>		<u>8</u>	

*DELT anomalies were observed on 22.9 of the fish collected.
 Index of Biotic Integrity (IBI) = 26 (Poor)

Doan Brook Downstream of St. Clair Avenue

9/10/2010

River Mile: 0.75

Collection Method: Longline Electroshocking

Drainage Area: 9.1 miles²

Collection Distance: 0.15 km

<u>Species</u>	<u>Number</u>	<u>Pollution Tolerance</u>	<u>DELT Anomalies #</u>	<u>Description</u>
<i>Semotilus atromaculatus</i> Creek chub	3	Highly Tolerant	0	--
<i>Ictalurus natalis</i> Yellow bullhead	16	Highly Tolerant	0	--
<i>Ictalurus nebulosus</i> Brown bullhead	1	Highly Tolerant	0	--
<i>Lepomis cyanellus</i> Green sunfish	38	Highly Tolerant	0	--
<i>Lepomis macrochirus</i> Northern bluegill sunfish	3	Moderately Tolerant	0	--
<i>Lepomis gibbosus</i> Pumpkinseed sunfish	14	Moderately Tolerant	0	--
Totals	<u>75</u>		<u>0</u>	

*DELT anomalies were observed on 0.0 of the fish collected.
Index of Biotic Integrity (IBI) = 26 (Poor)

Doan Brook- South Branch, Upstream of Attleboro Road

6/30/2010

River Mile: 1.40

Collection Method: Longline Electroshocking

Drainage Area: 3.4 miles²

Collection Distance: 0.15 km

<u>Species</u>	<u>Number</u>	<u>Pollution Tolerance</u>	<u>#</u>	<u>DELT Anomalies Description</u>
<i>Lepomis cyanellus</i> Green sunfish	297	Highly Tolerant	3	Lesions
Totals	<u>297</u>		<u>3</u>	

*DELT anomalies were observed on 1.0 of the fish collected.
Index of Biotic Integrity (IBI) = 22 (Poor)

Doan Brook- South Branch, Upstream of Attleboro Road

9/10/2010

River Mile: 1.40

Collection Method: Longline Electroshocking

Drainage Area: 3.4 miles²

Collection Distance: 0.15 km

<u>Species</u>	<u>Number</u>	<u>Pollution Tolerance</u>	<u>#</u>	<u>DELT Anomalies Description</u>
<i>Lepomis cyanellus</i> Green sunfish	147	Highly Tolerant	0	--
Totals	<u>147</u>		<u>0</u>	

*DELT anomalies were observed on 0.0 of the fish collected.
 Index of Biotic Integrity (IBI) = 24 (Poor)

Doan Brook- North Branch, Upstream of Lee Road

6/30/2010

River Mile: 6.70

Collection Method: Longline Electroshocking

Drainage Area: 1.2 miles²

Collection Distance: 0.15 km

<u>Species</u>	<u>Number</u>	<u>Pollution Tolerance</u>	<u>#</u>	<u>DELT Anomalies Description</u>
<i>Semotilus atromaculatus</i> Creek chub	367	Highly Tolerant	2	Eroded fins
<i>Lepomis cyanellus</i> Green sunfish	15	Highly Tolerant	0	--
Totals	<u>382</u>		<u>2</u>	

*DELT anomalies were observed on 0.5 of the fish collected.
Index of Biotic Integrity (IBI) = 18 (Poor)

Doan Brook- North Branch, Upstream of Lee Road

9/10/2010

River Mile: 6.70

Collection Method: Longline Electroshocking

Drainage Area: 1.2 miles²

Collection Distance: 0.15 km

<u>Species</u>	<u>Number</u>	<u>Pollution Tolerance</u>	<u>#</u>	<u>DELT Anomalies Description</u>
<i>Semotilus atromaculatus</i> Creek chub	260	Highly Tolerant	0	--
<i>Lepomis cyanellus</i> Green sunfish	28	Highly Tolerant	0	--
Totals	<u>288</u>		<u>0</u>	

*DELT anomalies were observed on 0.0 of the fish collected.
 Index of Biotic Integrity (IBI) = 20 (Poor)