

Furnace Run Upstream of Brecksville Road

7/24/2017

River Mile: 7.25

Collection Method: Longline Electrofishing

Drainage Area: 6.0 miles²

Collection Distance: 0.15 km

| Code | Species | Number | Pollution Tolerance | DELT Anomalies # | Description |
|-------------|--|-------------------|----------------------------|-------------------------|--------------------|
| 40-015 | <i>Hypentelium nigricans</i> Northern hog sucker | 1 | Moderately Intolerant | 0 | --- |
| 40-016 | <i>Catostomus commersonii</i> Common white sucker | 57 | Highly Tolerant | 0 | --- |
| 43-011 | <i>Rhinichthys atratulus</i> Western blacknose dace | 36 | Highly Tolerant | 0 | --- |
| 43-013 | <i>Semotilus atromaculatus</i> Creek chub | 99 | Highly Tolerant | 1 | Lesion |
| 43-039 | <i>Ericymba buccata</i> Silverjaw minnow | 3 | -- | 0 | --- |
| 43-044 | <i>Campostoma anomalum</i> Central stoneroller minnow | 191 | -- | 0 | --- |
| 77-008 | <i>Lepomis cyanellus</i> Green sunfish | 8 | Highly Tolerant | 0 | --- |
| 77-009 | <i>Lepomis macrochirus</i> Northern bluegill sunfish | 1 | Moderately Tolerant | 0 | --- |
| 80-014 | <i>Etheostoma nigrum</i> Johnny darter | 5 | -- | 0 | --- |
| 80-022 | <i>Etheostoma caeruleum</i> Rainbow darter | 171 | Moderately Intolerant | 0 | --- |
| 80-024 | <i>Etheostoma flabellare</i> Barred Fantail darter | 11 | -- | 0 | --- |
| | Totals | <u>583</u> | | <u>1</u> | |

*DELT anomalies were observed on
Index of Biotic Integrity (IBI) = 0.17 % of the fish collected.
42 (Good)

Furnace Run Upstream of Brecksville Road
8/22/2017
River Mile: 7.25
Collection Method: Longline Electrofishing
Drainage Area: 6.0 miles²
Collection Distance: 0.15 km

| Code | Species | Number | Pollution Tolerance | DELT Anomalies # | Description |
|--------|--|------------|-----------------------|------------------|-------------|
| 40-015 | <i>Hypentelium nigricans</i> Northern hog sucker | 2 | Moderately Intolerant | 0 | --- |
| 40-016 | <i>Catostomus commersonii</i> Common white sucker | 33 | Highly Tolerant | 0 | --- |
| 43-011 | <i>Rhinichthys atratulus</i> Western blacknose dace | 35 | Highly Tolerant | 0 | --- |
| 43-013 | <i>Semotilus atromaculatus</i> Creek chub | 81 | Highly Tolerant | 0 | --- |
| 43-039 | <i>Ericymba buccata</i> Silverjaw minnow | 2 | -- | 0 | --- |
| 43-044 | <i>Campostoma anomalum</i> Central stoneroller minnow | 132 | -- | 0 | --- |
| 77-008 | <i>Lepomis cyanellus</i> Green sunfish | 3 | Highly Tolerant | 0 | --- |
| 80-014 | <i>Etheostoma nigrum</i> Johnny darter | 4 | -- | 0 | --- |
| 80-022 | <i>Etheostoma caeruleum</i> Rainbow darter | 103 | Moderately Intolerant | 0 | --- |
| 80-024 | <i>Etheostoma flabellare</i> Barred Fantail darter | 5 | -- | 0 | --- |
| Totals | | <u>400</u> | | <u>0</u> | |

*DELT anomalies were observed on 0.00 % of the fish collected.
 Index of Biotic Integrity (IBI) = 40 (Good)

Furnace Run Upstream of Wheatley Road
7/24/2017
River Mile: 1.85
Collection Method: Longline Electrofishing
Drainage Area: 17.5 miles²
Collection Distance: 0.15 km

| Code | Species | Number | Pollution Tolerance | # | DELT Anomalies Description |
|-------------|--|---------------|----------------------------|----------|-----------------------------------|
| 25-002 | <i>Oncorhynchus mykiss</i> Rainbow trout | 5 | -- | 0 | --- |
| 40-015 | <i>Hypentelium nigricans</i> Northern hog sucker | 46 | Moderately Intolerant | 0 | --- |
| 40-016 | <i>Catostomus commersonii</i> Common white sucker | 25 | Highly Tolerant | 0 | --- |
| 43-011 | <i>Rhinichthys atratulus</i> Western blacknose dace | 87 | Highly Tolerant | 0 | --- |
| 43-013 | <i>Semotilus atromaculatus</i> Creek chub | 11 | Highly Tolerant | 0 | --- |
| 43-026 | <i>Notropis cornutus</i> Common shiner | 32 | -- | 0 | --- |
| 43-039 | <i>Ericymba buccata</i> Silverjaw minnow | 2 | -- | 0 | --- |
| 43-043 | <i>Pimephales notatus</i> Bluntnose minnow | 5 | Highly Tolerant | 0 | --- |
| 43-044 | <i>Campostoma anomalum</i> Central stoneroller minnow | 389 | -- | 0 | --- |
| 77-008 | <i>Lepomis cyanellus</i> Green sunfish | 4 | Highly Tolerant | 0 | --- |
| 77-009 | <i>Lepomis macrochirus</i> Northern bluegill sunfish | 1 | Moderately Tolerant | 0 | --- |
| 77-015 | <i>HYBRID</i> Green SF X Bluegill SF | 2 | -- | 0 | --- |
| 80-015 | <i>Etheostoma blenniodes</i> Greenside darter | 2 | Moderately Intolerant | 0 | --- |
| 80-022 | <i>Etheostoma caeruleum</i> Rainbow darter | 77 | Moderately Intolerant | 0 | --- |
| 80-024 | <i>Etheostoma flabellare</i> Barred Fantail darter | 61 | -- | 0 | --- |

Furnace Run Upstream of Wheatley Road

7/24/2017

River Mile: 1.85

Totals

749

0

*DELT anomalies were observed on 0.00 % of the fish collected.
Index of Biotic Integrity (IBI) = 44 (Good)

Furnace Run Upstream of Wheatley Road
8/22/2017
River Mile: 1.85
Collection Method: Longline Electrofishing
Drainage Area: 17.5 miles²
Collection Distance: 0.15 km

| Code | Species | Number | Pollution Tolerance | # | DELT Anomalies Description |
|-------------|--|--------------------|----------------------------|-----------------|-----------------------------------|
| 25-002 | <i>Oncorhynchus mykiss</i> Rainbow trout | 2 | -- | 0 | --- |
| 40-015 | <i>Hypentelium nigricans</i> Northern hog sucker | 36 | Moderately Intolerant | 0 | --- |
| 40-016 | <i>Catostomus commersonii</i> Common white sucker | 15 | Highly Tolerant | 0 | --- |
| 43-011 | <i>Rhinichthys atratulus</i> Western blacknose dace | 139 | Highly Tolerant | 0 | --- |
| 43-013 | <i>Semotilus atromaculatus</i> Creek chub | 13 | Highly Tolerant | 0 | --- |
| 43-026 | <i>Notropis cornutus</i> Common shiner | 47 | -- | 0 | --- |
| 43-034 | <i>Notropis stramineus</i> Sand shiner | 2 | Moderately Intolerant | 0 | --- |
| 43-039 | <i>Ericymba buccata</i> Silverjaw minnow | 8 | -- | 0 | --- |
| 43-043 | <i>Pimephales notatus</i> Bluntnose minnow | 7 | Highly Tolerant | 0 | --- |
| 43-044 | <i>Campostoma anomalum</i> Central stoneroller minnow | 702 | -- | 0 | --- |
| 77-008 | <i>Lepomis cyanellus</i> Green sunfish | 3 | Highly Tolerant | 0 | --- |
| 80-014 | <i>Etheostoma nigrum</i> Johnny darter | 2 | -- | 0 | --- |
| 80-022 | <i>Etheostoma caeruleum</i> Rainbow darter | 81 | Moderately Intolerant | 0 | --- |
| 80-024 | <i>Etheostoma flabellare</i> Barred Fantail darter | 53 | -- | 0 | --- |
| | Totals | <u><u>1110</u></u> | | <u><u>0</u></u> | |

Furnace Run Upstream of Wheatley Road

8/22/2017

River Mile: 1.85

| | | |
|-----------------------------------|------|--------------------------|
| *DELT anomalies were observed on | 0.00 | % of the fish collected. |
| Index of Biotic Integrity (IBI) = | 44 | (Good) |