

Rocky River West Branch Downstream of Lewis Road

June 26, 2020

River Mile: 0.45

Station ID: 501850

Collection Method: Roller Pram Electrofishing

Drainage Area: 190 miles²

Collection Distance: 0.2 km

| Code | Species | Number | Weight (kg) | Pollution Tolerance | # | DELT Anomalies Description |
|-------------|--|---------------|--------------------|----------------------------|----------|-----------------------------------|
| 40-005 | <i>Cariodes cyprinus</i> Central quillback carpsucker | 3 | 0.03 | -- | 0 | --- |
| 40-010 | <i>Moxostoma erythrurum</i> Golden redhorse | 1 | 1.475 | Moderately Intolerant | 0 | --- |
| 40-015 | <i>Hypentelium nigricans</i> Northern hog sucker | 1 | 0.17 | Moderately Intolerant | 0 | --- |
| 40-016 | <i>Catostomus commersonii</i> Common white sucker | 7 | 0.616 | Highly Tolerant | 0 | --- |
| 43-001 | <i>Cyprinus carpio</i> Common carp | 13 | 4.132 | Highly Tolerant | 0 | --- |
| 43-013 | <i>Semotilus atromaculatus</i> Creek chub | 3 | 0.013 | Highly Tolerant | 0 | --- |
| 43-022 | <i>Notropis rubellus</i> Rosyface Shiner | 9 | 0.05 | Intolerant | 0 | --- |
| 43-026 | <i>Notropis cornutus</i> Common shiner | 18 | 0.29 | -- | 0 | --- |
| 43-025 | <i>Notropis chrysocephalus</i> Striped shiner | 5 | 0.09 | -- | 0 | --- |
| 43-032 | <i>Cyprinella spiloptera</i> Spotfin shiner | 81 | 0.34 | -- | 0 | --- |
| 43-034 | <i>Notropis stramineus</i> Sand shiner | 181 | 0.36 | Moderately Intolerant | 1 | Deformity |
| 43-035 | <i>Notropis volucellus</i> Mimic Shiner | 4 | 0.028 | Common Intolerant | 0 | --- |
| 43-039 | <i>Ericymba buccata</i> Silverjaw minnow | 2 | 0.025 | -- | 0 | --- |
| 43-043 | <i>Pimephales notatus</i> Bluntnose minnow | 32 | 0.12 | Highly Tolerant | 0 | --- |
| 43-044 | <i>Campostoma anomalum</i> | 39 | 0.11 | -- | 0 | --- |

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Central stoneroller minnow

| | | | | | | |
|--------|---|------------|--------------|--------------------------|----------|-----|
| 47-002 | <i>Ictalurus punctatus</i> Channel catfish | 1 | 0.05 | -- | 0 | --- |
| 47-004 | <i>Ictalurus natalis</i> Yellow bullhead | 5 | 0.3 | Highly Tolerant | 0 | --- |
| 47-008 | <i>Noturus flavus</i> Stonecat Madtom | 13 | 0.25 | Intolerant | 0 | --- |
| 77-003 | <i>Ambloplites rupestris</i> Northern rockbass | 5 | 0.33 | -- | 0 | --- |
| 77-004 | <i>Micropterus dolomieu</i> Smallmouth bass | 89 | 0.38 | Moderately Intolerant | 0 | --- |
| 77-006 | <i>Micropterus salmoides</i> Largemouth bass | 4 | 0.14 | -- | 0 | --- |
| 77-008 | <i>Lepomis cyanellus</i> Green sunfish | 10 | 0.16 | Highly Tolerant | 0 | --- |
| 77-009 | <i>Lepomis macrochirus</i> Northern bluegill sunfish | 19 | 0.31 | Moderately Tolerant | 0 | --- |
| 80-014 | <i>Etheostoma nigrum</i> Johnny darter | 1 | 0.001 | -- | 0 | --- |
| 80-015 | <i>Etheostoma blenniodes</i> Greenside darter | 11 | 0.084 | Moderately Intolerant | 0 | --- |
| 80-022 | <i>Etheostoma caeruleum</i> Rainbow darter | 4 | 0.02 | Moderately Intolerant | 0 | --- |
| 87-001 | <i>Neogobius melanostomus</i> Round goby | 3 | 0.02 | -- | 0 | --- |
| Totals | | <u>564</u> | <u>9.894</u> | | <u>1</u> | |

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|---------------------------------------|-------------------------------|
| *DELT anomalies were observed on | 0.18 % of the fish collected. |
| Index of Biotic Integrity (IBI) = | 46 (Very Good) |
| Modified Index of Well-Being (MIwb) = | 8.8 (Good) |
| Shannon Diversity Index, no. | 2.329 |
| Shannon Diversity Index, wt. | 2.228 |
| N | 736.5 |
| B | 6.8 |

Rocky River West Branch Downstream of Lewis Road

September 17, 2020

River Mile: 0.45

Station ID: 501850

Collection Method: Roller Pram Electrofishing

Drainage Area: 190 miles²

Collection Distance: 0.2 km

| Code | Species | Number | Weight (kg) | Pollution Tolerance | # | DELT Anomalies Description |
|-------------|---|---------------|--------------------|----------------------------|----------|-----------------------------------|
| 25-002 | <i>Oncorhynchus mykiss</i> Rainbow trout | 1 | 3.629 | -- | 0 | --- |
| 40-005 | <i>Carpionodes cyprinus</i> Central quillback carpsucker | 73 | 1.255 | -- | 0 | --- |
| 40-015 | <i>Hypentelium nigricans</i> Northern hog sucker | 5 | 0.77 | Moderately Intolerant | 0 | --- |
| 40-016 | <i>Catostomus commersonii</i> Common white sucker | 2 | 0.47 | Highly Tolerant | 0 | --- |
| 43-001 | <i>Cyprinus carpio</i> Common carp | 1 | 0.044 | Highly Tolerant | 0 | --- |
| 43-013 | <i>Semotilus atromaculatus</i> Creek chub | 12 | 0.03 | Highly Tolerant | 0 | --- |
| 43-022 | <i>Notropis rubellus</i> Rosyface Shiner | 2 | 0.002 | Intolerant | 0 | --- |
| 43-026 | <i>Notropis cornutus</i> Common shiner | 48 | 0.256 | -- | 0 | --- |
| 43-025 | <i>Notropis chrysocephalus</i> Striped shiner | 62 | 0.136 | -- | 0 | --- |
| 43-032 | <i>Cyprinella spiloptera</i> Spotfin shiner | 31 | 0.057 | -- | 0 | --- |
| 43-033 | <i>Notropis dorsalis</i> Bigmouth Shiner | 4 | 0.01 | -- | 0 | --- |
| 43-034 | <i>Notropis stramineus</i> Sand shiner | 490 | 0.72 | Moderately Intolerant | 0 | --- |
| 43-035 | <i>Notropis volucellus</i> Mimic Shiner | 3 | 0.004 | Common Intolerant | 0 | --- |
| 43-039 | <i>Ericymba buccata</i> Silverjaw minnow | 17 | 0.032 | -- | 0 | --- |
| 43-043 | <i>Pimephales notatus</i> | 135 | 0.34 | Highly | 0 | --- |

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September 17, 2020**

River Mile: 0.45

| | Bluntnose minnow | | | Tolerant | | |
|--------|--|-------------|---------------|--------------------------|----------|-----|
| 43-044 | <i>Campostoma anomalum</i> Central stoneroller minnow | 92 | 0.328 | -- | 0 | --- |
| 47-002 | <i>Ictalurus punctatus</i> Channel catfish | 1 | 0.001 | -- | 0 | --- |
| 47-004 | <i>Ictalurus natalis</i> Yellow bullhead | 14 | 0.56 | Highly Tolerant | 0 | --- |
| 47-008 | <i>Noturus flavus</i> Stonecat Madtom | 34 | 0.78 | Intolerant | 0 | --- |
| 77-003 | <i>Ambloplites rupestris</i> Northern rockbass | 56 | 0.14 | -- | 0 | --- |
| 77-004 | <i>Micropterus dolomieu</i> Smallmouth bass | 8 | 1.34 | Moderately Intolerant | 0 | --- |
| 77-008 | <i>Lepomis cyanellus</i> Green sunfish | 8 | 0.033 | Highly Tolerant | 0 | --- |
| 77-009 | <i>Lepomis macrochirus</i> Northern bluegill sunfish | 32 | 0.03 | Moderately Tolerant | 0 | --- |
| 80-014 | <i>Etheostoma nigrum</i> Johnny darter | 2 | 0.005 | -- | 0 | --- |
| 80-015 | <i>Etheostoma blenniodes</i> Greenside darter | 58 | 0.192 | Moderately Intolerant | 0 | --- |
| 80-022 | <i>Etheostoma caeruleum</i> Rainbow darter | 4 | 0.011 | Moderately Intolerant | 0 | --- |
| 87-001 | <i>Neogobius melanostomus</i> Round goby | 2 | 0.004 | -- | 0 | --- |
| | Totals | <u>1197</u> | <u>11.179</u> | | <u>0</u> | |

| | | |
|---------------------------------------|-------|--------------------------|
| *DELTA anomalies were observed on | 0.00 | % of the fish collected. |
| Index of Biotic Integrity (IBI) = | 48 | (Very Good) |
| Modified Index of Well-Being (MIwb) = | 9.3 | (Very Good) |
| Shannon Diversity Index, no. | 2.206 | |
| Shannon Diversity Index, wt. | 2.309 | |
| N | 1533 | |
| B | 9.104 | |