

Library Reference 9.32

Presence/absence and CPUE of larval and YOY fishes in samples collected from Onondaga Lake from 2000-2010.

a) Larvae Trawls (#/ m³). Note: Trawls were conducted during the day except for the 2000 trawls conducted at night..

| Species | Notes | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 |
|------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|--------|
| Alewife | | | | | | 0.0041 | 0.052 | 0.00038 | 0.020 | 0.024 | 0.048 | 0.030 |
| Bluegill | | | | | | | | | 0.0080 | 0.030 | 0.0025 | 0.0048 |
| Brook silverside | | | | | | 0.0020 | | | | | | |
| Carp | | | | 0.0050 | | | 0.0030 | | | | | |
| Freshwater drum | | 0.31 | 0.010 | 0.031 | | | | | | 0.0028 | | |
| Gizzard shad | 3 | 2.472 | 0.49 | 0.85 | 0.059 | 0.027 | | 0.015 | | 0.033 | 0.0026 | |
| Lepomis | 1 | 0.382 | 0.010 | 0.34 | 0.095 | 0.0019 | 0.0028 | 0.0047 | | | | |
| Logperch | | <0.01 | | | | | | | | | | |
| Pumpkinseed | | | | | | | | | 0.0025 | 0.022 | 0.0074 | 0.0073 |
| White perch | | 0.027 | 0.040 | 0.048 | | | | | | | 0.0025 | |
| White sucker | | | 0.070 | | | | | | | | | |
| Yellow perch | | | 0.14 | 0.019 | | | 0.0031 | | | | 0.0074 | |
| Richness | 2 | 5 | 6 | 6 | 2 | 4 | 4 | 3 | 3 | 5 | 6 | |

Notes:

- 1 - Lepomis are likely a combination of both bluegill and pumpkinseed.
- 2 - Richness assumes Lepomis is composed both bluegill and pumpkinseed
- 3 - Gizzard shad CPUE in 2000 trawls is a combination of gizzard shad (0.017) and herring family (2.46).

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Presence/absence and CPUE of larval and YOY fishes in samples collected from Onondaga Lake from 2000-2010 (continued).

b) Young-of-the-Year (# per juvenile seine haul)

| Species | Notes | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 |
|----------------------------|-------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| Banded killifish* | | | | | | 0.070 | 0.54 | | 0.26 | | | |
| Bluegill | | | | | | | | | | 0.033 | 0.011 | 0.033 |
| Bluntnose minnow* | | | | | | | | 0.011 | | | | |
| Brook silverside* | | | | | | | | | | | | |
| Brook stickleback* | | | | | | | | | | | | |
| Brown bullhead | | | 0.030 | 0.020 | 0.030 | | 0.20 | | 0.011 | 2.7 | 0.12 | 0.056 |
| Bullhead (species unknown) | | | | | | | | | | | | 0.011 |
| Carp | | 0.020 | 0.030 | 0.48 | 0.63 | 0.64 | 0.33 | | 0.033 | 0.17 | 0.37 | 0.011 |
| Channel catfish | | | | 0.020 | | | | | | | | |
| Emerald shiner* | | | | | | | | | | | | |
| Fathead minnow* | | | | | | | | | | | | |
| Gizzard shad | | 70 | 26 | 0.030 | 2.7 | 2.0 | 0.020 | | | 0.100 | | |
| Golden shiner* | | | | | | | 0.020 | | 0.011 | 4.9 | 0.17 | 0.033 |
| Johnny darter* | | | | | | | | | | | | |
| Largemouth bass | | 1.5 | 4.3 | 5.0 | 1.9 | 6.9 | 17 | 5.1 | 7.8 | 1.2 | 1.4 | 5.2 |
| Lepomis | 1 | 25 | 92 | 157 | 42 | 16 | 33 | 4.6 | 7.7 | 7.3 | 0.16 | 0.033 |
| Logperch* | | | | | | | | | | | | |
| Longnose gar | | 0.020 | | | | 0.010 | | | | | | |
| Northern hogsucker | | 0.020 | | | | | | | | | | |
| Pumpkinseed | | | | | | | | 0.011 | | 0.022 | | 0.089 |
| Rock bass | | | | | | | 0.070 | 0.044 | 0.056 | 0.100 | 0.011 | |
| Smallmouth bass | | 2.7 | 3.3 | 1.1 | 0.70 | 1.6 | 4.0 | 0.50 | 0.53 | 0.31 | 0.18 | 0.044 |
| Tessellated darter* | | | | | | | 0.020 | | 0.011 | 0.011 | 0.011 | |
| White perch | | 2.6 | 0.60 | 0.13 | 0.12 | 0.020 | | | | 0.011 | 0.067 | |
| White sucker | | 0.060 | 0.15 | 0.020 | | | | | | | 0.067 | |
| Yellow perch | | | 5.6 | 0.030 | | | 0.13 | | | 0.011 | | |
| Richness | 2 | 14 | 18 | 17 | 15 | 14 | 14 | 11 | 10 | 17 | 17 | 16 |

Notes:

1 - Lepomis are likely a combination of both bluegill and pumpkinseed.

2 - Richness assumes Lepomis is composed both bluegill and pumpkinseed

* denotes species that are difficult to distinguish in the YOY stage due to their small size as adults. These species are assumed to be present as YOY if captured in littoral seines, but a CPUE is not included because the catch may include both YOY and adults.