

Library Reference 9.8

Whole Lake Electrofishing CPUE total catch, and relative abundance in 2010 for each sampling event (spring and fall) - 2010 entire year.

Note: CPUE for gamefish (bolded) is calculated from all 24 transects. CPUE for non-gamefish are calculated from only the one-half of the transects where all fish are collected (every other transect). Because of the difficulty in netting clupeids (shad and alewives), the CPUE for these species is calculated from the combination of the number of fish netted and estimates of the number missed. Because of their large size carp are not boated; instead, carp within netting distance are counted while still in the water.

a.) 2010 Entire year

Species	Mean CPUE	SE	Total fish	Relative abundance with clupeids	Relative abundance without clupeids
Alewife	1118	236.8	6,106	74%	-
Yellow perch	87.3	17.4	960	5.8%	25%
Pumpkinseed	68.9	9.2	779	4.6%	20%
Gizzard shad	49.3	17.7	285	3.3%	-
White perch	49.0	16.1	260	3.2%	14%
Largemouth bass	24.4	3.0	269	1.6%	7.0%
Brown bullhead	22.2	2.4	248	1.5%	6.4%
Bluegill	21.6	3.8	251	1.4%	6.2%
White sucker	20.7	4.8	117	1.4%	6.0%
Golden shiner	19.6	5.9	117	1.3%	5.7%
Rock bass	8.5	1.6	96	0.56%	2.4%
Smallmouth bass	6.8	1.0	73	0.45%	2.0%
Carp	6.2	2.0	33	0.41%	1.8%
Bowfin	2.6	0.7	15	0.17%	0.74%
Freshwater drum	2.5	0.7	14	0.16%	0.71%
Shorthead redhorse	1.9	0.5	11	0.13%	0.55%
Longnose gar	1.0	0.6	5	0.070%	0.29%
Walleye	1.0	0.4	11	0.070%	0.29%
Banded killifish	0.8	0.8	4	0.050%	0.22%
Northern pike	0.7	0.3	8	0.050%	0.20%
Yellow bullhead	0.7	0.3	8	0.050%	0.20%
Channel catfish	0.4	0.3	5	0.030%	0.13%
Black crappie	0.3	0.1	3	0.020%	0.070%
Northern hog sucker	0.2	0.2	1	0.010%	0.060%
Brook Silverside	0.2	0.2	1	0.010%	0.050%

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Whole Lake Electrofishing CPUE total catch, and relative abundance in 2010 for each sampling event (spring and fall). (continued) - 2010 spring.

Note: CPUE for gamefish (bolded) is calculated from all 24 transects. CPUE for non-gamefish are calculated from only the one-half of the transects where all fish are collected (every other transect). Because of the difficulty in netting clupeids (shad and alewives), the CPUE for these species is calculated from the combination of the number of fish netted and estimates of the number missed. Because of their large size carp are not boated; instead, carp within netting distance are counted while still in the water.

b.) 2010 Spring

Species	Mean CPUE	SE	Total fish	Relative abundance with clupeids	Relative abundance without clupeids
Alewife	1907.3	446.7	5394	83%	-
Gizzard shad	68.7	31.7	203	3.0%	-
Yellow perch	64.4	13.7	379	2.8%	21%
Pumpkinseed	55.0	7.3	332	2.4%	18%
White perch	54.8	16.5	158	2.4%	18%
Largemouth bass	25.5	4.2	149	1.1%	8.2%
Golden shiner	22.2	8.7	76	1.0%	7.2%
Bluegill	21.4	4.8	134	0.94%	6.9%
White sucker	19.6	7.1	58	0.86%	6.3%
Brown bullhead	15.0	2.2	90	0.66%	4.9%
Smallmouth bass	9.4	1.8	55	0.41%	3.0%
Rock bass	8.0	2.0	48	0.35%	2.6%
Bowfin	3.2	1.1	9	0.14%	1.0%
Carp	2.7	0.6	8	0.12%	0.87%
Shorthead redhorse	2.1	0.9	6	0.090%	0.68%
Longnose gar	1.7	1.1	5	0.080%	0.57%
Walleye	1.3	0.6	8	0.060%	0.41%
Freshwater drum	1.0	0.8	3	0.040%	0.32%
Channel catfish	0.8	0.5	5	0.040%	0.26%
Northern pike	0.5	0.3	3	0.020%	0.16%
Yellow bullhead	0.4	0.3	2	0.020%	0.12%
Black crappie	0.1	0.1	1	0.010%	0.040%

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Whole Lake Electrofishing CPUE total catch, and relative abundance in 2010 for each sampling event (spring and fall). (continued) - 2010 fall.

Note: CPUE for gamefish (bolded) is calculated from all 24 transects. CPUE for non-gamefish are calculated from only the one-half of the transects where all fish are collected (every other transect). Because of the difficulty in netting clupeids (shad and alewives), the CPUE for these species is calculated from the combination of the number of fish netted and estimates of the number missed. Because of their large size carp are not boated; instead, carp within netting distance are counted while still in the water.

c.) 2010 Fall

Species	Mean CPUE	SE	Total fish	Relative abundance with clupeids	Relative abundance without clupeids
Alewife	245.9	84.6	712	37%	-
Yellow perch	113.6	26.2	581	17%	29%
Pumpkinseed	84.3	15.5	447	13%	22%
White perch	41.8	18.4	102	6.3%	11%
Brown bullhead	30.8	4.6	158	4.7%	7.9%
Gizzard shad	26.6	11.1	82	4.0%	-
Largemouth bass	22.7	3.3	120	3.4%	5.8%
Bluegill	22.2	6.0	117	3.4%	5.7%
White sucker	22.1	4.4	59	3.3%	5.7%
Golden shiner	15.9	7.0	41	2.4%	4.1%
Carp	10.1	4.5	25	1.5%	2.6%
Rock bass	9.1	2.0	48	1.4%	2.3%
Freshwater drum	4.2	1.3	11	0.63%	1.1%
Smallmouth bass	3.9	1.0	18	0.58%	0.99%
Bowfin	1.8	1.2	6	0.28%	0.47%
Shorthead redhorse	1.8	1.0	5	0.27%	0.46%
Banded killifish	1.7	1.7	4	0.26%	0.44%
Yellow bullhead	1.1	0.5	6	0.16%	0.28%
Northern pike	0.9	0.5	5	0.14%	0.24%
Walleye	0.6	0.3	3	0.090%	0.16%
Northern hog sucker	0.5	0.5	1	0.080%	0.13%
Black crappie	0.4	0.3	2	0.060%	0.10%
Brook Silverside	0.4	0.4	1	0.060%	0.10%