

**YOUNG-OF-THE-YEAR BLACK BASS ASSESSMENTS IN
LAKE WINNIPESAUKEE, BIG SQUAM LAKE, FOREST LAKE,
AND SPOFFORD LAKE
(2016)**

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Population Assessment

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INTRODUCTION

Black bass fishery resources in New Hampshire are highly utilized by anglers, with Largemouth Bass (*Micropterus salmoides*) and Smallmouth Bass (*M. dolomieu*) ranking among the top three species fished for by anglers (Responsive Management 2016). The New Hampshire Fish and Game Department (NHFGD) requires clubs and organizations to apply for permits to hold bass tournaments and a database which tracks these permits has shown an increase in tournament pressure over time.

According to the 2011 National Survey of Fishing, Hunting, and Wildlife Associated Recreation, 140,000 anglers fished 1.705 million days for warmwater and coolwater species in New Hampshire (panfish: 23,000 anglers fished 226,000 days; black bass: 110,000 anglers fished 1.434 million days; Northern Pike and Pickerel: 7,000 anglers fish 45,000 days) (U.S. Department of Interior, Fish and Wildlife Service and U.S. Department of Commerce, U.S. Census Bureau 2013). Since the average trip expenditure for anglers fishing in New Hampshire is \$35 per day, the total estimated expenditures by anglers fishing for warmwater and coolwater species equals approximately \$59.68 million per year.

Black bass populations in the state are managed solely by natural reproduction and size of young-of-the-year (YOY) bass during their first fall can be an important factor in their over-winter survival and eventual recruitment to a fishery (Miranda et al. 1984). Accordingly, it is important to monitor YOY size and catch rates in order to gauge potential year-class strength and because early detection of year-class strength can provide valuable management options (Ozen and Noble 2005).

Black bass YOY surveys were conducted in 2016 in Lake Winnepesaukee, Big Squam Lake, Forest Lake (Dalton/Whitefield), and Spofford Lake (Chesterfield), and the Connecticut River (Claremont Reach). The objectives of these assessments were to determine: 1) fish size; 2) relative abundance; 3) examine relative abundance by species among years; 4) compare size by species among years; and 5) compare size between species among years.

The Connecticut River (Hinsdale Reach) was not sampled for YOY bass in 2016 due to inclement weather and staff limitations.

METHODS

Lake Winnepesaukee, Big Squam Lake, Forest Lake, Spofford Lake, and the Connecticut River (Hinsdale Reach)

Sampling was conducted during September and October by boat electrofishing (Smith-Root SR18 unless otherwise specified). Sampling was performed during the day using two netters with the exception of the Connecticut River (Hinsdale Reach) where fish were sampled after sunset using three netters. Electrofishing equipment was adjusted according to observed fish behavior relative to their position in the electrode's field. Shoreline landmarks were used to ensure that permanent sampling locations were sampled each year. Five permanent sampling

locations were sampled on Lake Winnepesaukee during 2003-2016 and six permanent sampling locations were sampled on Big Squam Lake during 2006-2016. Five permanent sampling locations were sampled on Forest Lake and five permanent sampling locations were sampled on Spofford Lake during 2010-2016. Four permanent sampling locations were sampled on the Connecticut River (Hinsdale Reach) during 2012-2014. The Connecticut River was not sampled in 2015 due to fish surveys conducted in the same area for the federal relicensing of the Vernon Dam.

Only YOY black bass were captured and one sampling run was conducted at each of the permanent sampling locations. Although sampling effort was documented using the electrofishing boats' "on" meter timer in order to calculate relative abundance (fish captured/hour), completion of sampling at each location was based on shoreline distance covered and not time sampled. All fish were placed in a live well upon capture. Fish were measured to the nearest millimeter, total length (TL), and weighed to the nearest gram. Scale samples were taken and aged from black bass whose large size made the age designation of YOY questionable. Fish were processed shortly after capture and released.

A one-way ANOVA (or comparable non-parametric test) was used to examine differences in YOY TL and weight by species among years for each water body. A two-way ANOVA (or comparable non-parametric test) was used to examine differences in YOY TL and weight between species and among years for each water body; this analysis was not conducted for the Connecticut River (Hinsdale Reach) as only YOY Largemouth Bass were sampled.

A one-way ANOVA (or comparable non-parametric test) was used to compare relative abundance (fish captured/hour) by species among years for each water body. A square root transformation was applied to relative abundance data prior to analysis (Zar 1984). Comparisons of relative abundance among sites were not made because only one sampling run was conducted at each site per year. Differences in TL and weight by species among sites and differences in TL and weight between species and among sites were not examined due to low samples sizes at some locations. The level of significance for all statistical analyses was set at 0.10, unless otherwise noted.

Connecticut River (Claremont Reach)

Sampling was conducted along the Vermont shoreline during September or October by boat electrofishing (Smith-Root SR18) using three netters. Electrofishing equipment was adjusted according to observed fish behavior relative to their position in the electrode's field. Sampling was conducted during 1996-1999, 2002, 2004-2010, 2012-2014, and 2016. Sampling was not conducted during 2000, 2001, 2003 and 2011 due to staff limitations, inclement weather, or boat malfunctions. Sampling was not performed in 2015 due to fish surveys conducted in the same area for the Federal Relicensing of the Bellows Falls Dam.

The upstream boundary of the Claremont reach was just below the mouth of the Sugar River (Claremont, NH: N43.39351 W72.40293) and the downstream boundary was the Ashley Ferry Landing (Claremont, NH: N43.35661 W72.38805). Sampling was conducted during a single night per year with the exception of 1996 when sampling took place over three nights. In 2016 sampling took place during a single day. The study design incorporated timed runs, which were typically

1000 seconds using the equipment's "on" meter time when sampling for target species (black bass or Walleye, *Sander vitreus*) and random or community runs, which were typically 500 seconds in duration. Black bass or other target species were captured during both target and community runs. Typically, five runs were conducted during a single day or night. Only one electrofishing run was conducted in the Claremont reach during 2004 due to inclement weather.

From 1996 to 2003, sampling effort was directed at all ages of black bass and Walleye and community runs were conducted in addition to target species (black bass and Walleye) runs. During 2004, community runs were not conducted and only bass and Walleye (all ages) were targeted. During 2005-2016, only YOY bass and Walleye were targeted. Accordingly, statistical comparisons of relative abundance among 2005-2016 and previous years are not valid.

All fish were placed in a live well upon capture. Fish were measured to the nearest millimeter, TL, and weighed to the nearest gram. Only YOY Smallmouth Bass data are included in this report as YOY Largemouth Bass were captured infrequently in this reach of the Connecticut River ($n = 21$ for all years). Fish were processed shortly after capture and released. Scale samples were taken and aged from black bass captured in 2004-2016 whose large size made the age designation of YOY questionable. Bass captured in years prior to 2004 were classified as YOY using length frequency histograms and some larger YOY may have been mistakenly deleted from the data set. Accordingly, statistical comparisons of TL and weight among years should be interpreted within this context.

A one-way ANOVA (or comparable non-parametric test) was used to examine differences in YOY TL and weight by species among years. A one-way ANOVA (or comparable non-parametric test) was used to compare relative abundance (fish captured/hour) by species among years. Only YOY Smallmouth Bass data are included in this analysis as YOY Largemouth Bass were captured infrequently in this reach of the Connecticut River. Only data from 2005-2016 were used for relative abundance analysis due to changes in target species and sizes detailed above. A square root transformation was applied to relative abundance data prior to analysis (Zar 1984). All YOY data were combined across sites by species and year. The level of significance for all statistical analyses was set at 0.10, unless otherwise noted.

RESULTS AND DISCUSSION

Lake Winnepesaukee

Young-of-the-year black bass were sampled at five locations on Lake Winnepesaukee during September or October 2003-2016 (Table 1 and 2). The small electrofishing boat (SR12) was used in 2003 due to SR18 electrofishing boat malfunctions. Relative abundance (fish captured/hour), size, and number of each species captured varied with sampling location and year (Table 1-4, Figure 1-11). Due to a malfunction with the electrofishing boat's timer, relative abundance was not calculated for the Foley Island sample in 2003, but species, length and weight data are reported. Due to trailer issues, the Rock Island (Glendale) site was not sampled in 2014. Locations where YOY Largemouth Bass were captured varied by year (Table 2) while YOY Smallmouth Bass presence was generally consistent among locations and years (Table 1).

Smallmouth Bass TL and weight differed significantly among years ($P < 0.001$). Post-hoc tests showed Smallmouth Bass TL was significantly greater in 2004 than in 2006, 2007 and 2010, in 2008 than in 2003, 2005, 2006, 2007 and 2010, in 2009 than in 2007, in 2011 than in 2006, 2007 and 2010, in 2012 than in 2006, 2007 and 2010, in 2013 than in 2006, 2007 and 2010, and in 2014 than in 2007 ($P < 0.05$, Table 3, Figure 6). Post-hoc tests showed Smallmouth Bass weight was significantly greater in 2004 than in 2007, in 2008 than in 2007, in 2011 than in 2007, and in 2013 than in 2007 ($P < 0.05$, Table 3, Figure 7).

Largemouth Bass TL and weight differed significantly among years ($P < 0.001$). Post-hoc tests showed Largemouth Bass TL was significantly greater in 2005 than in 2003, in 2008 than in 2003, in 2012 than in 2003, 2004, 2007, and 2009, in 2013 than in 2003, and in 2014 than in 2003 and 2009 ($P < 0.05$, Table 4, Figure 8). Post-hoc tests showed Largemouth Bass weight was significantly greater in 2012 than in 2003, 2007, 2009 and 2010, and in 2014 than in 2003 and 2009 ($P < 0.05$, Table 4, Figure 9).

A significant interaction between species and among years was detected for both TL and weight ($P < 0.001$) when differences in TL and weight between species and among years were examined. Accordingly, main effects of species and year were not statistically tested for TL or weight data. Qualitative examination of differences in TL between species and among years showed TL of Smallmouth Bass was significantly greater than TL of Largemouth Bass in 2003, 2009 and 2011, and TL of Largemouth Bass was significantly greater than TL of Smallmouth Bass in 2005, 2006, 2007, 2012 and 2014 (Table 3 and 4, Figure 6 and 8). Qualitative examination of differences in weight between species and among years showed weight of Largemouth Bass was significantly greater than weight of Smallmouth Bass in 2005, 2006, 2007, 2012 and 2014 (Table 3 and 4, Figure 7 and 9).

Relative abundance (fish captured/hour) of YOY Smallmouth Bass was not significantly different among years ($P = 0.93$) and yearly values were generally greatest at the Rock Island and Sewalls Point sites (Table 1, Figure 10). Relative abundance of YOY Largemouth Bass was not significantly different among years ($P = 0.76$) and yearly values were generally greatest at the Lees Mills site (Table 2, Figure 11).

Connecticut River (Claremont Reach)

Young-of-the-year black bass were sampled along the Vermont shoreline of the Claremont Reach of the Connecticut River during September or October 1996-2016 (sampling was not conducted in 2000, 2001, 2003, 2011 and 2015; Gries 2016; Table 5). Relative abundance, size, and number captured varied by year (Table 5 and 7, Figure 12, 14, 15 and 18). All YOY data were combined across runs by species and year. Only YOY Smallmouth Bass data are included in this report as YOY Largemouth Bass were captured infrequently in this reach of the Connecticut River ($n = 23$ for all years).

Smallmouth Bass TL and weight differed significantly among years ($P < 0.001$). Post-hoc tests showed Smallmouth Bass TL was significantly greater in 1999 than in all other years except 2005,

2010, 2012, and 2016, in 2002 than in all other years except 1997, 1999, 2005, 2010, 2012, 2014, and 2016, in 2005 than in all other years except 1999, 2010, 2012, and 2016, in 2010 than in all other years except 2012, in 2012 than in all other years except 1999, 2005 and 2010, and in 2014 than in 1998, 2004, 2008 and 2013 ($P < 0.05$, Table 7 and Figure 14). Post-hoc tests showed Smallmouth Bass weight was significantly greater in 1997 than in 2004, 2006, 2007, 2008 and 2013, in 2002 than in 2004, 2006, 2007, 2008 and 2013, in 2005 than in 2004, 2006, 2007, 2008 and 2013, in 2010 than in 2004, 2006, 2007, 2008 and 2013, and in 2012 than in 2004, 2006, 2007, 2008 and 2013 ($P < 0.05$, Table 7 and Figure 15).

Relative abundance (fish captured/hour) of YOY Smallmouth Bass was significantly different among years ($P < 0.001$). Post-hoc tests showed Smallmouth Bass relative abundance was significantly greater in 2007 than in 2013, and in 2010 than in 2013 ($P < 0.05$, Table 5, Figure 18). Only data from 2005-2016 were used for relative abundance analysis due to changes detailed above in target species and sizes captured.

Connecticut River (Hinsdale Reach)

Young-of-the-year black bass were sampled at four locations on the Connecticut River (Hinsdale) during September or October 2012-2014 (sampling was not conducted in 2015 and 2016; Gries 2016, Table 6). The four locations included two sites on the mainstem and two sites in setbacks. Relative abundance, size and number captured varied with sampling location (Table 6 and 8, Figure 13, 16, 17 and 19). No YOY Smallmouth Bass were captured.

Largemouth Bass TL and weight were not significantly different among years ($P = 0.40$ and $P = 0.44$, respectively). Mean Largemouth Bass TL and weight varied by sampling location (Table 8, Figure 16 and 17). Relative abundance (fish captured/hour) of YOY Largemouth Bass was not significantly different among years ($P = 0.19$; Table 6, Figure 19).

Big Squam Lake

Young-of-the-year black bass were sampled at six locations on Big Squam Lake during September 2006-2016 (Gries 2016, Table 9 and 10). The small electrofishing boat (SR12) was used in 2006, 2011 and 2013 due to SR18 electrofishing boat malfunctions. Relative abundance, size and number of each species captured varied with sampling location and year (Table 9-12, Figure 20-31).

Smallmouth Bass TL and weight differed significantly among years ($P < 0.001$). Post-hoc tests showed Smallmouth Bass TL was significantly greater in 2012 than in 2007, 2008, 2009 and 2014 (Table 11, Figure 26). Post-hoc tests showed Smallmouth Bass weight was significantly greater in 2012 than in 2008 and 2014 ($P < 0.05$, Table 11, Figure 27).

Largemouth Bass TL and weight differed significantly among years ($P < 0.001$). Post-hoc tests showed Largemouth Bass TL was significantly greater in 2012 than in 2007, 2008, 2009 and 2014 ($P < 0.05$, Table 12, Figure 28). Post-hoc tests showed Largemouth Bass weight was significantly greater in 2013 than in 2007, 2008, 2009, 2011 and 2014 ($P < 0.05$; Table 12, Figure 29).

A significant interaction between species and among years was not detected for TL ($P = 0.26$) or for weight ($P = 0.15$) when differences in TL and weight between species and among years were examined. The main effects of year and species on bass TL were both significant ($P < 0.001$ and $P = 0.002$, respectively). Post-hoc tests showed TL of Smallmouth Bass for all years was significantly greater than that of Largemouth Bass ($P = 0.003$) and that bass TL was significantly greater in 2006 than in 2008, 2009 and 2014, in 2010 than in 2007, 2008, 2009 and 2014, in 2012 than in 2007, 2008, 2009, 2010, 2011 and 2014, and in 2013 than in 2008, 2009, and 2014, and in 2016 than in 2008, 2009, and 2014 ($P < 0.01$; Table 11 and 12, Figure 26 and 28). The main effects of year and species on bass weight were both significant ($P < 0.001$). Post-hoc tests showed weight of Smallmouth Bass for all years was significantly greater than that of Largemouth Bass ($P < 0.001$) and that bass weight was significantly greater in 2006 than in 2014, in 2010 than in 2007, 2008, 2009 and 2014, in 2012 than in 2007, 2008, 2009, 2011 and 2014, and in 2013 than in 2007, 2008, 2009 and 2014, and in 2016 than in 2014 (Table 11 and 12, Figure 27 and 29).

Relative abundance (fish captured/hour) of YOY Smallmouth Bass was significantly different among years ($P = 0.04$). Post-hoc tests showed YOY Smallmouth Bass relative abundance was greater in 2012 than in 2013 (Table 9, Figure 30). Relative abundance of YOY Largemouth Bass was not significantly different among years ($P = 0.30$; Table 10, Figure 31).

Forest Lake

Young-of-the-year black bass were sampled at five locations on Forest Lake (Dalton/Whitefield) during September or October 2010-2016 (Gries 2016, Table 13 and 14). The small electrofishing boat (SR12) was used in 2013 and 2014. Relative abundance, size and number of each species captured varied with sampling location (Table 13-16, Figure 32-42).

Smallmouth Bass TL and weight were not significantly different among years ($P = 0.37$ and $P = 0.15$, respectively; Table 15, Figure 37 and 38). No YOY Smallmouth Bass were captured in 2012 or 2015.

Largemouth Bass TL and weight differed significantly among years ($P < 0.001$). Post-hoc tests showed Largemouth Bass TL was significantly greater in 2010, 2012 and 2013 than in 2014 and 2015, and in 2011 than in 2014. Post-hoc tests showed Largemouth Bass weight was greater in 2010 and 2013 than in 2014, and in 2012 than in 2014 and 2015 (Table 16, Figure 39 and 40).

The interaction between species and years was not analyzed for TL or weight when differences in TL and weight between species and among years were examined because no YOY Smallmouth Bass were captured in 2012 or 2015. The main effect of species and year on bass TL was significant ($P < 0.001$). Post-hoc tests showed TL of Smallmouth Bass for all years was greater than that of Largemouth Bass ($P < 0.001$, Table 15 and 16, Figure 37 and 39). The main effect of species on bass weight was significant ($P < 0.001$), as was the main effect of year on bass weight ($P < 0.001$). Post-hoc tests showed weight of Smallmouth Bass for all years was greater than that of Largemouth Bass ($P < 0.001$, Table 15 and 16, Figure 38 and 40).

Relative abundance (fish captured/hour) of Smallmouth Bass was not significantly different among years ($P = 0.85$) and yearly values were generally greatest at the Island site (Table 13, Figure 41).

Relative abundance of Largemouth Bass was not significantly different among years ($P = 0.19$) and yearly values were generally high and varied by site (Table 14, Figure 42).

Spofford Lake

Young-of-the-year black bass were sampled at five locations on Spofford Lake (Chesterfield) during September or October 2010-2016 (Gries 2016, Table 17 and 18). The small electrofishing boat (SR12) was used in 2011 to sample two sites (Pierce Island and Route 63) due to SR18 electrofishing boat malfunctions. Relative abundance, size and number of each species captured varied with sampling location (Table 17-20, Figure 43-53).

Smallmouth Bass TL and weight were significantly different among years ($P = 0.009$ and $P = 0.02$, respectively). Post-hoc tests showed Smallmouth Bass TL and weight was not significantly greater between any two years ($P < 0.05$, Table 19, Figure 48 and 49).

Largemouth Bass TL and weight were significantly different among years ($P = 0.005$ and $P = 0.004$, respectively). Post-hoc tests showed Largemouth Bass TL and weight was significantly greater in 2013 than in 2010 and 2012 ($P < 0.05$, Table 20, Figure 50 and 51).

A significant interaction between species and among years was detected for both TL and weight ($P < 0.001$ and $P = 0.002$, respectively) when differences in TL and weight between species and among years were examined. Accordingly, main effects of species and year were not statistically tested for TL or weight data. Qualitative examination of differences in TL between species and among years showed TL of Smallmouth Bass was significantly greater than TL of Largemouth Bass in 2010, 2011 and 2012 (Table 19 and 20, Figure 48 and 50). Qualitative examination of differences in weight between species and among years showed weight of Smallmouth Bass was significantly greater than weight of Largemouth Bass in 2010, 2011 and 2012 (Table 19 and 20, Figure 49 and 51).

Relative abundance (fish captured/hour) of Smallmouth Bass was not significantly different among years ($P = 0.30$) and yearly values were generally greatest at the Boy's Camp, Dinsmoor and Outlet Bay sites (Table 17, Figure 52). Relative abundance of Largemouth Bass was not significantly different among years ($P = 0.76$) and yearly values were generally greatest at the Boy's Camp and Outlet Bay sites (Table 18, Figure 53).

All Water Bodies

The TL and relative abundance (fish captured/hour) were examined by species and water body for 2016 (Figure 54-57). Mean TL of Smallmouth Bass was highest in the Connecticut River (Claremont Reach) (Figure 54) and mean TL of Largemouth Bass was highest in Lake Winnepesaukee (Figure 55). Mean relative abundance of Smallmouth Bass was highest in the Connecticut River (Claremont Reach) (Figure 56) and mean relative abundance of YOY Largemouth Bass was highest in Big Squam (Figure 57).

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Table 1. Relative abundance estimates (fish/hour) of YOY Smallmouth Bass captured in Lake Winnepesaukee by date and location. Number of fish captured and total effort (hours) are also presented. Only one run was conducted per location per year.

Date	Location	Town	Effort (hours)	# Captured	Fish/Hour
September 15, 2003	Foley Island (Long Island Bridge)*	Moultonborough	-	5	-
September 15, 2003	Lees Mills	Moultonborough	0.20	0	0.0
September 18, 2003	Plum Island (Roberts Cove)	Alton	0.26	7	26.9
September 15, 2003	Rock Island (Glendale)	Gilford	0.20	21	105.0
September 18, 2003	Sewalls Point	Wolfboro	0.19	40	210.5
September 15, 2004	Foley Island (Long Island Bridge)	Moultonborough	0.32	11	34.4
September 15, 2004	Lees Mills	Moultonborough	0.29	0	0.0
September 16, 2004	Plum Island (Roberts Cove)	Alton	0.25	12	48.0
September 16, 2004	Rock Island (Glendale)	Gilford	0.23	28	121.7
September 16, 2004	Sewalls Point	Wolfboro	0.15	21	140.0
September 12, 2005	Foley Island (Long Island Bridge)	Moultonborough	0.21	1	4.8
September 12, 2005	Lees Mills	Moultonborough	0.24	0	0.0
September 12, 2005	Plum Island (Roberts Cove)	Alton	0.16	2	12.5
September 12, 2005	Rock Island (Glendale)	Gilford	0.19	3	15.8
September 12, 2005	Sewalls Point	Wolfboro	0.12	5	41.7
September 12, 2006	Foley Island (Long Island Bridge)	Moultonborough	0.21	6	28.6
September 12, 2006	Lees Mills	Moultonborough	0.25	0	0.0
September 12, 2006	Plum Island (Roberts Cove)	Alton	0.17	7	41.2
September 12, 2006	Rock Island (Glendale)	Gilford	0.13	25	192.3
September 12, 2006	Sewalls Point	Wolfboro	0.12	6	50.0
September 21, 2007	Foley Island (Long Island Bridge)	Moultonborough	0.24	12	50.0
September 21, 2007	Lees Mills	Moultonborough	0.25	0	0.0
September 21, 2007	Plum Island (Roberts Cove)	Alton	0.21	3	14.3
September 21, 2007	Rock Island (Glendale)	Gilford	0.18	9	50.0
September 21, 2007	Sewalls Point	Wolfboro	0.13	26	200.0
September 23, 2008	Foley Island (Long Island Bridge)	Moultonborough	0.30	3	10.0
September 23, 2008	Lees Mills	Moultonborough	0.26	0	0.0
September 23, 2008	Plum Island (Roberts Cove)	Alton	0.21	2	9.5
September 23, 2008	Rock Island (Glendale)	Gilford	0.21	71	338.1
September 23, 2008	Sewalls Point	Wolfboro	0.10	9	90.0
September 14, 2009	Foley Island (Long Island Bridge)	Moultonborough	0.25	2	8.0
September 14, 2009	Lees Mills	Moultonborough	0.24	0	0.0
September 14, 2009	Plum Island (Roberts Cove)	Alton	0.15	0	0.0
September 14, 2009	Rock Island (Glendale)	Gilford	0.15	16	106.7
September 14, 2009	Sewalls Point	Wolfboro	0.11	1	9.1
September 21, 2010	Foley Island (Long Island Bridge)	Moultonborough	0.19	6	31.6
September 21, 2010	Lees Mills	Moultonborough	0.20	0	0.0
September 21, 2010	Plum Island (Roberts Cove)	Alton	0.13	3	23.1
September 21, 2010	Rock Island (Glendale)	Gilford	0.14	17	121.4
September 21, 2010	Sewalls Point	Wolfboro	0.12	22	183.3
September 19, 2011	Foley Island (Long Island Bridge)	Moultonborough	0.21	10	47.6
September 19, 2011	Lees Mills	Moultonborough	0.21	0	0.0
September 19, 2011	Plum Island (Roberts Cove)	Alton	0.17	6	35.3
September 19, 2011	Rock Island (Glendale)	Gilford	0.14	19	135.7
September 19, 2011	Sewalls Point	Wolfboro	0.14	35	250.0
September 13, 2012	Foley Island (Long Island Bridge)	Moultonborough	0.18	4	22.2
September 13, 2012	Lees Mills	Moultonborough	0.20	0	0.0
September 13, 2012	Plum Island (Roberts Cove)	Alton	0.16	1	6.3
September 13, 2012	Rock Island (Glendale)	Gilford	0.12	1	8.3
September 13, 2012	Sewalls Point	Wolfboro	0.09	23	255.6
October 10, 2013	Foley Island (Long Island Bridge)	Moultonborough	0.15	2	13.3
October 10, 2013	Lees Mills	Moultonborough	0.15	0	0.0
October 10, 2013	Plum Island (Roberts Cove)	Alton	0.11	2	18.2
October 10, 2013	Rock Island (Glendale)	Gilford	0.08	8	100.0
October 10, 2013	Sewalls Point	Wolfboro	0.06	6	100.0
September 19, 2014	Foley Island (Long Island Bridge)	Moultonborough	0.18	3	16.7
September 19, 2014	Lees Mills	Moultonborough	0.20	0	0.0
September 19, 2014	Plum Island (Roberts Cove)	Alton	0.14	3	21.4
September 19, 2014	Rock Island (Glendale)**	Gilford	-	-	-
September 19, 2014	Sewalls Point	Wolfboro	0.07	10	142.9
September 1, 2015	Foley Island (Long Island Bridge)	Moultonborough	0.19	1	5.3
September 1, 2015	Lees Mills	Moultonborough	0.18	0	0.0
September 1, 2015	Plum Island (Roberts Cove)	Alton	0.17	0	0.0
September 1, 2015	Rock Island (Glendale)	Gilford	0.12	0	0.0
September 1, 2015	Sewalls Point	Wolfboro	0.07	4	57.1
August 30, 2016	Foley Island (Long Island Bridge)	Moultonborough	0.13	1	7.7
August 30, 2016	Lees Mills	Moultonborough	0.16	0	0.0
August 30, 2016	Plum Island (Roberts Cove)	Alton	0.14	0	0.0
August 30, 2016	Rock Island (Glendale)	Gilford	0.10	2	20.0
August 30, 2016	Sewalls Point	Wolfboro	0.06	2	33.3

* Relative abundance estimates were not calculated for fish captured at Foley Island in 2003 due to problems with the electrofishing boat's timer.

** Rock Island was not sampled in 2014

Table 2. Relative abundance estimates (fish/hour) of YOY Largemouth Bass captured in Lake Winnepesaukee by date and location. Number of fish captured and total effort (hours) are also presented. Only one run was conducted per location per year.

Date	Location	Town	Effort (hours)	# Captured	Fish/Hour
September 15, 2003	Foley Island (Long Island Bridge)*	Moultonborough	-	13	-
September 15, 2003	Lees Mills	Moultonborough	0.20	114	570.0
September 18, 2003	Plum Island (Roberts Cove)	Alton	0.26	0	0.0
September 15, 2003	Rock Island (Glendale)	Gilford	0.20	0	0.0
September 18, 2003	Sewalls Point	Wolfboro	0.19	0	0.0
September 15, 2004	Foley Island (Long Island Bridge)	Moultonborough	0.32	7	21.9
September 15, 2004	Lees Mills	Moultonborough	0.29	28	96.6
September 16, 2004	Plum Island (Roberts Cove)	Alton	0.25	1	4.0
September 16, 2004	Rock Island (Glendale)	Gilford	0.23	1	4.3
September 16, 2004	Sewalls Point	Wolfboro	0.15	0	0.0
September 12, 2005	Foley Island (Long Island Bridge)	Moultonborough	0.21	0	0.0
September 12, 2005	Lees Mills	Moultonborough	0.24	22	91.7
September 12, 2005	Plum Island (Roberts Cove)	Alton	0.16	0	0.0
September 12, 2005	Rock Island (Glendale)	Gilford	0.19	0	0.0
September 12, 2005	Sewalls Point	Wolfboro	0.12	0	0.0
September 12, 2006	Foley Island (Long Island Bridge)	Moultonborough	0.21	8	38.1
September 12, 2006	Lees Mills	Moultonborough	0.25	23	92.0
September 12, 2006	Plum Island (Roberts Cove)	Alton	0.17	0	0.0
September 12, 2006	Rock Island (Glendale)	Gilford	0.13	1	7.7
September 12, 2006	Sewalls Point	Wolfboro	0.12	0	0.0
September 21, 2007	Foley Island (Long Island Bridge)	Moultonborough	0.24	3	12.5
September 21, 2007	Lees Mills	Moultonborough	0.25	20	80.0
September 21, 2007	Plum Island (Roberts Cove)	Alton	0.21	0	0.0
September 21, 2007	Rock Island (Glendale)	Gilford	0.18	0	0.0
September 21, 2007	Sewalls Point	Wolfboro	0.13	0	0.0
September 23, 2008	Foley Island (Long Island Bridge)	Moultonborough	0.30	3	10.0
September 23, 2008	Lees Mills	Moultonborough	0.26	24	92.3
September 23, 2008	Plum Island (Roberts Cove)	Alton	0.21	0	0.0
September 23, 2008	Rock Island (Glendale)	Gilford	0.21	0	0.0
September 23, 2008	Sewalls Point	Wolfboro	0.10	1	10.0
September 14, 2009	Foley Island (Long Island Bridge)	Moultonborough	0.25	45	180.0
September 14, 2009	Lees Mills	Moultonborough	0.24	7	29.2
September 14, 2009	Plum Island (Roberts Cove)	Alton	0.15	0	0.0
September 14, 2009	Rock Island (Glendale)	Gilford	0.15	1	6.7
September 14, 2009	Sewalls Point	Wolfboro	0.11	0	0.0
September 21, 2010	Foley Island (Long Island Bridge)	Moultonborough	0.19	2	10.5
September 21, 2010	Lees Mills	Moultonborough	0.20	13	65.0
September 21, 2010	Plum Island (Roberts Cove)	Alton	0.13	4	30.8
September 21, 2010	Rock Island (Glendale)	Gilford	0.14	0	0.0
September 21, 2010	Sewalls Point	Wolfboro	0.12	2	16.7
September 19, 2011	Foley Island (Long Island Bridge)	Moultonborough	0.21	12	57.1
September 19, 2011	Lees Mills	Moultonborough	0.21	10	47.6
September 19, 2011	Plum Island (Roberts Cove)	Alton	0.17	0	0.0
September 19, 2011	Rock Island (Glendale)	Gilford	0.14	0	0.0
September 19, 2011	Sewalls Point	Wolfboro	0.14	1	7.1
September 13, 2012	Foley Island (Long Island Bridge)	Moultonborough	0.18	4	22.2
September 13, 2012	Lees Mills	Moultonborough	0.20	25	125.0
September 13, 2012	Plum Island (Roberts Cove)	Alton	0.16	0	0.0
September 13, 2012	Rock Island (Glendale)	Gilford	0.12	0	0.0
September 13, 2012	Sewalls Point	Wolfboro	0.09	0	0.0
October 10, 2013	Foley Island (Long Island Bridge)	Moultonborough	0.15	8	53.3
October 10, 2013	Lees Mills	Moultonborough	0.15	9	60.0
October 10, 2013	Plum Island (Roberts Cove)	Alton	0.11	0	0.0
October 10, 2013	Rock Island (Glendale)	Gilford	0.08	0	0.0
October 10, 2013	Sewalls Point	Wolfboro	0.06	0	0.0
September 19, 2014	Foley Island (Long Island Bridge)	Moultonborough	0.18	3	16.7
September 19, 2014	Lees Mills	Moultonborough	0.20	15	75.0
September 19, 2014	Plum Island (Roberts Cove)	Alton	0.14	0	0.0
September 19, 2014	Rock Island (Glendale)**	Gilford	-	-	-
September 19, 2014	Sewalls Point	Wolfboro	0.07	0	0.0
September 1, 2015	Foley Island (Long Island Bridge)	Moultonborough	0.19	2	10.5
September 1, 2015	Lees Mills	Moultonborough	0.18	12	66.7
September 1, 2015	Plum Island (Roberts Cove)	Alton	0.17	0	0.0
September 1, 2015	Rock Island (Glendale)	Gilford	0.12	0	0.0
September 1, 2015	Sewalls Point	Wolfboro	0.07	0	0.0
August 30, 2016	Foley Island (Long Island Bridge)	Moultonborough	0.13	0	0.0
August 30, 2016	Lees Mills	Moultonborough	0.16	7	43.8
August 30, 2016	Plum Island (Roberts Cove)	Alton	0.14	0	0.0
August 30, 2016	Rock Island (Glendale)	Gilford	0.10	0	0.0
August 30, 2016	Sewalls Point	Wolfboro	0.06	0	0.0

* Relative abundance estimates were not calculated for fish captured at Foley Island in 2003 due to problems with the electrofishing boat's timer.

** Rock Island was not sampled in 2014

Table 3. Mean total length and weight of YOY Smallmouth Bass captured in Lake Winnepesaukee by date and location. Sample size (n) and one standard deviation (SD) are also presented.

Date	Location	Town	Total Length (mm)			Weight (g)		
			Mean	n	SD	Mean	n	SD
September 15, 2003	Foley Island (Long Island Bridge)	Moultonborough	84	5	5	4	5	1
September 18, 2003	Plum Island (Roberts Cove)	Alton	59	7	7	3	7	1
September 15, 2003	Rock Island (Glendale)	Gilford	64	21	6	3	21	1
September 18, 2003	Sewalls Point	Wolfboro	71	40	8	4	40	2
September 15, 2004	Foley Island (Long Island Bridge)	Moultonborough	68	11	10	4	11	2
September 16, 2004	Plum Island (Roberts Cove)	Alton	76	12	6	6	12	1
September 16, 2004	Rock Island (Glendale)	Gilford	78	28	6	6	28	2
September 16, 2004	Sewalls Point	Wolfboro	78	21	10	6	21	2
September 12, 2005	Foley Island (Long Island Bridge)	Moultonborough	73	1	-	6	1	-
September 12, 2005	Plum Island (Roberts Cove)	Alton	67	2	1	3	2	0
September 12, 2005	Rock Island (Glendale)	Gilford	53	3	3	4	3	1
September 12, 2005	Sewalls Point	Wolfboro	74	5	8	4	5	2
September 12, 2006	Foley Island (Long Island Bridge)	Moultonborough	76	6	10	5	6	2
September 12, 2006	Plum Island (Roberts Cove)	Alton	56	7	8	2	7	1
September 12, 2006	Rock Island (Glendale)	Gilford	69	25	6	4	25	1
September 12, 2006	Sewalls Point	Wolfboro	62	6	5	3	6	1
September 21, 2007	Foley Island (Long Island Bridge)	Moultonborough	69	12	10	4	12	2
September 21, 2007	Plum Island (Roberts Cove)	Alton	54	3	7	2	3	1
September 21, 2007	Rock Island (Glendale)	Gilford	63	9	6	3	9	1
September 21, 2007	Sewalls Point	Wolfboro	59	26	7	3	26	1
September 23, 2008	Foley Island (Long Island Bridge)	Moultonborough	86	3	3	8	3	1
September 23, 2008	Plum Island (Roberts Cove)	Alton	79	2	16	5	2	3
September 23, 2008	Rock Island (Glendale)	Gilford	82	71	7	6	71	2
September 23, 2008	Sewalls Point	Wolfboro	82	9	8	5	9	2
September 14, 2009	Foley Island (Long Island Bridge)	Moultonborough	78	2	3	6	2	1
September 14, 2009	Rock Island (Glendale)	Gilford	74	16	6	5	16	1
September 14, 2009	Sewalls Point	Wolfboro	70	1	-	5	1	-
September 21, 2010	Foley Island (Long Island Bridge)	Moultonborough	72	6	12	5	6	3
September 21, 2010	Plum Island (Roberts Cove)	Alton	61	3	6	3	3	0
September 21, 2010	Rock Island (Glendale)	Gilford	63	17	7	3	17	1
September 21, 2010	Sewalls Point	Wolfboro	71	22	9	5	22	2
September 19, 2011	Foley Island (Long Island Bridge)	Moultonborough	81	10	8	6	10	2
September 19, 2011	Plum Island (Roberts Cove)	Alton	80	6	10	6	6	2
September 19, 2011	Rock Island (Glendale)	Gilford	85	19	10	7	19	2
September 19, 2011	Sewalls Point	Wolfboro	80	35	9	6	34	2
September 13, 2012	Foley Island (Long Island Bridge)	Moultonborough	97	4	17	11	4	6
September 13, 2012	Plum Island (Roberts Cove)	Alton	80	1	-	4	1	-
September 13, 2012	Rock Island (Glendale)	Gilford	71	1	-	4	1	-
September 13, 2012	Sewalls Point	Wolfboro	79	23	10	6	23	2
October 10, 2013	Foley Island (Long Island Bridge)	Moultonborough	85	2	7	7	2	2
October 10, 2013	Plum Island (Roberts Cove)	Alton	79	2	2	8	2	1
October 10, 2013	Rock Island (Glendale)	Gilford	80	8	10	6	8	2
October 10, 2013	Sewalls Point	Wolfboro	81	6	8	7	6	1
September 19, 2014	Foley Island (Long Island Bridge)	Moultonborough	67	3	4	3	3	1
September 19, 2014	Plum Island (Roberts Cove)	Alton	69	3	5	5	3	1
September 19, 2014	Sewalls Point	Wolfboro	78	10	9	5	10	2
September 1, 2015	Foley Island (Long Island Bridge)	Moultonborough	73	1	-	4	1	-
September 1, 2015	Sewalls Point	Wolfboro	69	4	4	6	4	2
August 30, 2016	Foley Island (Long Island Bridge)	Moultonborough	69	1	-	4	1	-
August 30, 2016	Rock Island (Glendale)	Gilford	72	2	4	4	2	1
August 30, 2016	Sewalls Point	Wolfboro	74	2	17	3	2	1

Table 4. Mean total length and weight of YOY Largemouth Bass captured in Lake Winnepesaukee by date and location. Sample size (*n*) and one standard deviation (SD) are also presented.

Date	Location	Town	Total Length (mm)			Weight (g)		
			Mean	<i>n</i>	SD	Mean	<i>n</i>	SD
September 15, 2003	Foley Island (Long Island Bridge)	Moultonborough	65	13	6	3	13	1
September 15, 2003	Lees Mills	Moultonborough	65	54	6	4	54	1
September 15, 2004	Foley Island (Long Island Bridge)	Moultonborough	65	7	3	4	7	1
September 15, 2004	Lees Mills	Moultonborough	74	28	20	6	28	5
September 16, 2004	Plum Island (Roberts Cove)	Alton	56	1	-	2	1	-
September 16, 2004	Rock Island (Glendale)	Gilford	116	1	-	22	1	-
September 12, 2005	Lees Mills	Moultonborough	79	22	17	7	22	5
September 12, 2006	Foley Island (Long Island Bridge)	Moultonborough	76	8	12	5	8	2
September 12, 2006	Lees Mills	Moultonborough	72	23	16	5	23	4
September 12, 2006	Rock Island (Glendale)	Gilford	78	1	-	5	1	-
September 21, 2007	Foley Island (Long Island Bridge)	Moultonborough	59	3	4	2	3	0
September 21, 2007	Lees Mills	Moultonborough	73	20	13	5	20	3
September 23, 2008	Foley Island (Long Island Bridge)	Moultonborough	58	3	2	2	3	1
September 23, 2008	Lees Mills	Moultonborough	86	24	19	7	24	4
September 23, 2008	Sewalls Point	Wolfboro	75	1	-	5	1	-
September 14, 2009	Foley Island (Long Island Bridge)	Moultonborough	64	45	7	3	45	1
September 14, 2009	Lees Mills	Moultonborough	71	7	12	5	7	3
September 14, 2009	Rock Island (Glendale)	Gilford	74	1	-	4	1	-
September 21, 2010	Foley Island (Long Island Bridge)	Moultonborough	69	2	1	4	2	1
September 21, 2010	Lees Mills	Moultonborough	74	13	11	5	13	2
September 21, 2010	Plum Island (Roberts Cove)	Alton	61	4	2	3	4	1
September 21, 2010	Sewalls Point	Wolfboro	74	2	2	5	2	1
September 19, 2011	Foley Island (Long Island Bridge)	Moultonborough	68	12	11	4	12	2
September 19, 2011	Lees Mills	Moultonborough	81	10	17	7	10	4
September 19, 2011	Sewalls Point	Wolfboro	65	1	-	4	1	-
September 13, 2012	Foley Island (Long Island Bridge)	Moultonborough	71	4	14	4	4	2
September 13, 2012	Lees Mills	Moultonborough	94	25	16	9	25	5
October 10, 2013	Foley Island (Long Island Bridge)	Moultonborough	71	8	6	4	8	1
October 10, 2013	Lees Mills	Moultonborough	83	9	13	6	9	3
September 19, 2014	Foley Island (Long Island Bridge)	Moultonborough	71	3	17	6	3	5
September 19, 2014	Lees Mills	Moultonborough	88	15	14	8	15	4
September 1, 2015	Foley Island (Long Island Bridge)	Moultonborough	58	2	9	2	2	0
September 1, 2015	Lees Mills	Moultonborough	79	12	14	6	12	4
August 30, 2016	Lees Mills	Moultonborough	73	7	16	5	7	3

Table 5. Mean relative abundance estimates (fish/hour), one standard deviation (SD), and coefficient of variation (CV) of YOY Smallmouth Bass captured in the Claremont reach of the Connecticut River by date. Number of fish captured, number of runs conducted and total effort (hours) is also presented. From 1996 to 2003, sampling effort was directed at all ages of black bass and community runs were conducted in addition to target species (black bass and Walleye) runs. During 2004, community runs were not conducted and only bass and Walleye of all ages were targeted. During 2005 to the present, only YOY bass and Walleye were targeted. Sampling was not conducted during 2000, 2001, 2003, 2011 and 2015.

Date	# Captured	# Runs	Effort (hours)	Mean Fish/Hour	SD	CV
September 16, 1996	32	1	3.38	9.5	-	-
September 16, 1997	288	1	3.51	82.1	-	-
September 28, 1998	95	6	1.68	56.5	41.1	72.7
October 6, 1999	163	6	1.65	107.9	92.3	85.5
October 1, 2002	158	5	1.26	117.9	92.0	78.1
September 30, 2004	93	5	0.28	332.1	-	-
September 22, 2005	292	5	0.85	320.8	211.5	65.9
September 25, 2006	223	5	1.12	174.3	147.2	84.5
October 1, 2007	680	5	0.70	971.4	895.6	92.2
October 7, 2008	298	4	1.12	266.1	116.6	43.8
September 29, 2009	353	5	0.70	504.3	230.9	45.8
September 23, 2010	805	5	0.70	1150.0	698.4	60.7
October 8, 2012	312	5	0.70	445.7	471.6	105.8
October 14, 2013	39	5	0.70	55.7	48.3	86.7
September 17, 2014	153	5	0.70	218.6	197.0	90.1
October 12, 2016	150	5	0.71	214.0	310.2	145.0

Table 6. Relative abundance estimates (fish/hour) of YOY Largemouth Bass captured in the Hinsdale reach of the Connecticut River by date and location. Number of fish captured and total effort (hours) are also presented. Only one run was conducted per location per year. Sampling was not conducted in 2015 or 2016.

Date	Location	Effort (hours)	# Captured	Fish/Hour
September 27, 2012	Liscomb Cove	0.11	6	54.5
September 27, 2012	Powerline Site	0.23	4	17.4
September 27, 2012	Rum Point	0.18	9	50.0
September 27, 2012	Vernon Dam Site	0.16	12	75.0
October 2, 2013	Liscomb Cove	0.11	2	18.2
October 2, 2013	Powerline Site	0.19	2	10.5
October 2, 2013	Rum Point	0.16	2	12.5
October 2, 2013	Vernon Dam Site	0.19	2	10.5
September 24, 2014	Liscomb Cove	0.09	9	100.0
September 24, 2014	Powerline Site	0.23	5	21.7
September 24, 2014	Rum Point	0.15	9	60.0
September 24, 2014	Vernon Dam Site	0.18	6	33.3

Table 7. Mean total length and weight of YOY Smallmouth Bass captured in the Claremont reach of the Connecticut River by date. Sample size (*n*) and one standard deviation (SD) are also presented. Sampling was not conducted during 2000, 2001, 2003, 2011 and 2015.

Date	Total Length (mm)			Weight (g)		
	Mean	<i>n</i>	SD	Mean	<i>n</i>	SD
September 16, 1996	73	32	9	6	32	2
September 16, 1997	78	45	12	14	3	3
September 28, 1998	71	95	10	7	9	3
October 6, 1999	88	163	14			
October 1, 2002	81	158	9	8	158	2
September 30, 2004	68	93	13	4	40	3
September 22, 2005	86	171	12	8	171	4
September 25, 2006	73	131	7	5	131	2
October 1, 2007	77	373	11	5	373	3
October 7, 2008	71	117	12	5	116	3
September 29, 2009	75	210	11	6	210	3
September 23, 2010	93	193	9	10	193	3
October 8, 2012	91	164	12	10	164	4
October 14, 2013	66	39	13	4	39	2
September 17, 2014	79	116	9	6	116	2
October 12, 2016	84	150	8	8	150	2

Table 8. Mean total length and weight of YOY Largemouth Bass captured in the Hinsdale reach of the Connecticut River by date and location. Sample size (*n*) and one standard deviation (SD) are also presented. Sampling was not conducted in 2015 or 2016.

Date	Location	Total Length (mm)			Weight (g)		
		Mean	<i>n</i>	SD	Mean	<i>n</i>	SD
September 27, 2012	Liscomb Cove	69	6	4	4	6	0
September 27, 2012	Powerline Site	91	4	21	10	4	5
September 27, 2012	Rum Point	78	9	11	6	9	3
September 27, 2012	Vernon Dam Site	71	12	9	4	12	2
October 2, 2013	Liscomb Cove	84	2	4	6	2	1
October 2, 2013	Powerline Site	77	2	4	5	2	1
October 2, 2013	Rum Point	71	2	8	5	2	1
October 2, 2013	Vernon Dam Site	82	2	1	6	2	0
September 24, 2014	Liscomb Cove	83	9	16	7	9	4
September 24, 2014	Powerline Site	77	5	15	6	5	3
September 24, 2014	Rum Point	64	9	6	4	9	1
September 24, 2014	Vernon Dam Site	85	6	21	8	6	4

Table 9. Relative abundance estimates (fish/hour) of YOY Smallmouth Bass captured in Big Squam Lake by date and location. Number of fish captured and total effort (hours) are also presented. Only one run was conducted per location per year.

Date	Location	Town	Effort (hours)	# Captured	Fish/Hour
September 19, 2006	Barville Brook	Sandwich	0.14	3	21.4
September 19, 2006	Hubble Islands	Holdemess	0.15	1	6.7
September 19, 2006	Kent Island	Moultonborough	0.23	0	0.0
September 19, 2006	Piper Cove	Holdemess	0.14	0	0.0
September 19, 2006	Potato Island	Holdemess	0.11	1	9.1
September 19, 2006	Yard Islands	Center Harbor	0.23	6	26.1
September 18, 2007	Barville Brook	Sandwich	0.15	3	20.0
September 18, 2007	Hubble Islands	Holdemess	0.18	9	50.0
September 18, 2007	Kent Island	Moultonborough	0.26	7	26.9
September 18, 2007	Piper Cove	Holdemess	0.11	0	0.0
September 18, 2007	Potato Island	Holdemess	0.16	28	175.0
September 18, 2007	Yard Islands	Center Harbor	0.22	16	72.7
September 16, 2008	Barville Brook	Sandwich	0.15	3	20.0
September 16, 2008	Hubble Islands	Holdemess	0.15	12	80.0
September 16, 2008	Kent Island	Moultonborough	0.25	6	24.0
September 16, 2008	Piper Cove	Holdemess	0.11	0	0.0
September 16, 2008	Potato Island	Holdemess	0.14	11	78.6
September 16, 2008	Yard Islands	Center Harbor	0.11	3	27.3
September 8, 2009	Barville Brook	Sandwich	0.19	3	15.8
September 8, 2009	Hubble Islands	Holdemess	0.19	2	10.5
September 8, 2009	Kent Island	Moultonborough	0.26	1	3.8
September 8, 2009	Piper Cove	Holdemess	0.16	0	0.0
September 8, 2009	Potato Island	Holdemess	0.18	10	55.6
September 8, 2009	Yard Islands	Center Harbor	0.16	8	50.0
September 14, 2010	Barville Brook	Sandwich	0.13	7	53.8
September 14, 2010	Hubble Islands	Holdemess	0.11	1	9.1
September 14, 2010	Kent Island	Moultonborough	0.19	5	26.3
September 14, 2010	Piper Cove	Holdemess	0.10	0	0.0
September 14, 2010	Potato Island	Holdemess	0.14	14	100.0
September 14, 2010	Yard Islands	Center Harbor	0.18	8	44.4
September 27, 2011	Barville Brook	Sandwich	0.14	2	14.3
September 27, 2011	Hubble Islands	Holdemess	0.14	1	7.1
September 27, 2011	Kent Island	Moultonborough	0.22	3	13.6
September 27, 2011	Piper Cove	Holdemess	0.13	0	0.0
September 27, 2011	Potato Island	Holdemess	0.10	3	30.0
September 27, 2011	Yard Islands	Center Harbor	0.16	2	12.5
September 20, 2012	Barville Brook	Sandwich	0.10	1	10.0
September 20, 2012	Hubble Islands	Holdemess	0.15	5	33.3
September 20, 2012	Kent Island	Moultonborough	0.20	12	60.0
September 20, 2012	Piper Cove	Holdemess	0.12	0	0.0
September 20, 2012	Potato Island	Holdemess	0.14	18	128.6
September 20, 2012	Yard Islands	Center Harbor	0.12	6	50.0
September 20, 2013	Barville Brook	Sandwich	0.14	0	0.0
September 20, 2013	Hubble Islands	Holdemess	0.15	1	6.7
September 20, 2013	Kent Island	Moultonborough	0.23	6	26.1
September 20, 2013	Piper Cove	Holdemess	0.12	0	0.0
September 20, 2013	Potato Island	Holdemess	0.09	0	0.0
September 20, 2013	Yard Islands	Center Harbor	0.18	2	11.1
September 8, 2014	Barville Brook	Sandwich	0.11	0	0.0
September 8, 2014	Hubble Islands	Holdemess	0.14	1	7.1
September 8, 2014	Kent Island	Moultonborough	0.17	0	0.0
September 8, 2014	Piper Cove	Holdemess	0.12	0	0.0
September 8, 2014	Potato Island	Holdemess	0.11	3	27.3
September 8, 2014	Yard Islands	Center Harbor	0.14	1	7.1
September 16, 2015	Barville Brook	Sandwich	0.08	0	0.0
September 16, 2015	Hubble Islands	Holdemess	0.09	0	0.0
September 16, 2015	Kent Island	Moultonborough	0.15	1	6.7
September 16, 2015	Piper Cove	Holdemess	0.08	0	0.0
September 16, 2015	Potato Island	Holdemess	0.07	1	14.3
September 16, 2015	Yard Islands	Center Harbor	0.11	0	0.0
September 12, 2016	Barville Brook	Sandwich	0.11	0	0.0
September 12, 2016	Hubble Islands	Holdemess	0.12	1	8.3
September 12, 2016	Kent Island	Moultonborough	0.16	2	12.5
September 12, 2016	Piper Cove	Holdemess	0.11	0	0.0
September 12, 2016	Potato Island	Holdemess	0.09	3	33.3
September 12, 2016	Yard Islands	Center Harbor	0.15	3	20.0

Table 10. Relative abundance estimates (fish/hour) of YOY Largemouth Bass captured in Big Squam Lake by date and location. Number of fish captured and total effort (hours) are also presented. Only one run was conducted per location per year.

Date	Location	Town	Effort (hours)	# Captured	Fish/Hour
September 19, 2006	Barville Brook	Sandwich	0.14	10	71.4
September 19, 2006	Hubble Islands	Holderness	0.15	3	20.0
September 19, 2006	Kent Island	Moultonborough	0.23	11	47.8
September 19, 2006	Piper Cove	Holderness	0.14	32	228.6
September 19, 2006	Potato Island	Holderness	0.11	2	18.2
September 19, 2006	Yard Islands	Center Harbor	0.23	1	4.3
September 18, 2007	Barville Brook	Sandwich	0.15	9	60.0
September 18, 2007	Hubble Islands	Holderness	0.18	2	11.1
September 18, 2007	Kent Island	Moultonborough	0.26	23	88.5
September 18, 2007	Piper Cove	Holderness	0.11	9	81.8
September 18, 2007	Potato Island	Holderness	0.16	0	0.0
September 18, 2007	Yard Islands	Center Harbor	0.22	1	4.5
September 16, 2008	Barville Brook	Sandwich	0.15	12	80.0
September 16, 2008	Hubble Islands	Holderness	0.15	2	13.3
September 16, 2008	Kent Island	Moultonborough	0.25	16	64.0
September 16, 2008	Piper Cove	Holderness	0.11	5	45.5
September 16, 2008	Potato Island	Holderness	0.14	1	7.1
September 16, 2008	Yard Islands	Center Harbor	0.11	0	0.0
September 8, 2009	Barville Brook	Sandwich	0.19	4	21.1
September 8, 2009	Hubble Islands	Holderness	0.19	0	0.0
September 8, 2009	Kent Island	Moultonborough	0.26	1	3.8
September 8, 2009	Piper Cove	Holderness	0.16	5	31.3
September 8, 2009	Potato Island	Holderness	0.18	0	0.0
September 8, 2009	Yard Islands	Center Harbor	0.16	0	0.0
September 14, 2010	Barville Brook	Sandwich	0.13	10	76.9
September 14, 2010	Hubble Islands	Holderness	0.11	0	0.0
September 14, 2010	Kent Island	Moultonborough	0.19	11	57.9
September 14, 2010	Piper Cove	Holderness	0.10	11	110.0
September 14, 2010	Potato Island	Holderness	0.14	0	0.0
September 14, 2010	Yard Islands	Center Harbor	0.18	2	11.1
September 27, 2011	Barville Brook	Sandwich	0.14	6	42.9
September 27, 2011	Hubble Islands	Holderness	0.14	0	0.0
September 27, 2011	Kent Island	Moultonborough	0.22	7	31.8
September 27, 2011	Piper Cove	Holderness	0.13	15	115.4
September 27, 2011	Potato Island	Holderness	0.10	0	0.0
September 27, 2011	Yard Islands	Center Harbor	0.16	0	0.0
September 20, 2012	Barville Brook	Sandwich	0.10	13	130.0
September 20, 2012	Hubble Islands	Holderness	0.15	1	6.7
September 20, 2012	Kent Island	Moultonborough	0.20	14	70.0
September 20, 2012	Piper Cove	Holderness	0.12	15	125.0
September 20, 2012	Potato Island	Holderness	0.14	1	7.1
September 20, 2012	Yard Islands	Center Harbor	0.12	0	0.0
September 20, 2013	Barville Brook	Sandwich	0.14	2	14.3
September 20, 2013	Hubble Islands	Holderness	0.15	2	13.3
September 20, 2013	Kent Island	Moultonborough	0.23	12	52.2
September 20, 2013	Piper Cove	Holderness	0.12	9	75.0
September 20, 2013	Potato Island	Holderness	0.09	0	0.0
September 20, 2013	Yard Islands	Center Harbor	0.18	0	0.0
September 8, 2014	Barville Brook	Sandwich	0.11	5	45.5
September 8, 2014	Hubble Islands	Holderness	0.14	3	21.4
September 8, 2014	Kent Island	Moultonborough	0.17	15	88.2
September 8, 2014	Piper Cove	Holderness	0.12	40	333.3
September 8, 2014	Potato Island	Holderness	0.11	0	0.0
September 8, 2014	Yard Islands	Center Harbor	0.14	0	0.0
September 16, 2015	Barville Brook	Sandwich	0.08	5	62.5
September 16, 2015	Hubble Islands	Holderness	0.09	2	22.2
September 16, 2015	Kent Island	Moultonborough	0.15	27	180.0
September 16, 2015	Piper Cove	Holderness	0.08	6	75.0
September 16, 2015	Potato Island	Holderness	0.07	0	0.0
September 16, 2015	Yard Islands	Center Harbor	0.11	4	36.4
September 12, 2016	Barville Brook	Sandwich	0.11	10	90.9
September 12, 2016	Hubble Islands	Holderness	0.12	0	0.0
September 12, 2016	Kent Island	Moultonborough	0.16	11	68.8
September 12, 2016	Piper Cove	Holderness	0.11	21	190.9
September 12, 2016	Potato Island	Holderness	0.09	0	0.0
September 12, 2016	Yard Islands	Center Harbor	0.15	1	6.7

Table 11. Mean total length and weight of YOY Smallmouth Bass captured in Big Squam Lake by date and location. Sample size (n) and one standard deviation (SD) are also presented.

Date	Location	Town	Total Length (mm)			Weight (g)		
			Mean	n	SD	Mean	n	SD
September 19, 2006	Barville Brook	Sandwich	78	3	12	6	3	3
September 19, 2006	Hubble Islands	Holderness	80	1	-	6	1	-
September 19, 2006	Potato Island	Holderness	73	1	-	5	1	-
September 19, 2006	Yard Islands	Center Harbor	76	6	11	6	6	2
September 18, 2007	Barville Brook	Sandwich	72	3	9	5	3	2
September 18, 2007	Hubble Islands	Holderness	70	9	14	5	9	3
September 18, 2007	Kent Island	Moultonborough	82	7	9	6	7	2
September 18, 2007	Potato Island	Holderness	60	28	5	3	28	1
September 18, 2007	Yard Islands	Center Harbor	79	16	7	7	16	2
September 16, 2008	Barville Brook	Sandwich	67	3	8	3	3	1
September 16, 2008	Hubble Islands	Holderness	62	12	11	4	12	2
September 16, 2008	Kent Island	Moultonborough	71	6	8	5	6	1
September 16, 2008	Potato Island	Holderness	59	11	8	4	11	2
September 16, 2008	Yard Islands	Center Harbor	75	3	7	6	3	3
September 8, 2009	Barville Brook	Sandwich	75	3	11	5	3	3
September 8, 2009	Hubble Islands	Holderness	72	2	6	5	2	2
September 8, 2009	Kent Island	Moultonborough	76	1	-	6	1	-
September 8, 2009	Potato Island	Holderness	57	10	7	3	10	1
September 8, 2009	Yard Islands	Center Harbor	74	8	3	6	8	1
September 14, 2010	Barville Brook	Sandwich	75	7	6	5	7	1
September 14, 2010	Hubble Islands	Holderness	90	1	-	9	1	-
September 14, 2010	Kent Island	Moultonborough	82	5	5	6	5	2
September 14, 2010	Potato Island	Holderness	70	14	12	6	14	3
September 14, 2010	Yard Islands	Center Harbor	81	8	5	7	8	1
September 27, 2011	Barville Brook	Sandwich	74	2	1	5	2	1
September 27, 2011	Hubble Islands	Holderness	58	1	-	3	1	-
September 27, 2011	Kent Island	Moultonborough	80	3	7	6	3	2
September 27, 2011	Potato Island	Holderness	66	3	2	4	3	1
September 27, 2011	Yard Islands	Center Harbor	76	2	1	6	2	0
September 20, 2012	Barville Brook	Sandwich	66	1	-	3	1	-
September 20, 2012	Hubble Islands	Holderness	83	5	9	6	5	2
September 20, 2012	Kent Island	Moultonborough	82	12	8	6	12	1
September 20, 2012	Potato Island	Holderness	77	18	7	5	18	2
September 20, 2012	Yard Islands	Center Harbor	89	6	6	7	6	1
September 20, 2013	Hubble Islands	Holderness	73	1	-	5	1	-
September 20, 2013	Kent Island	Moultonborough	73	6	6	5	6	1
September 20, 2013	Yard Islands	Center Harbor	81	2	7	7	2	1
September 8, 2014	Hubble Islands	Holderness	53	1	-	2	1	-
September 8, 2014	Potato Island	Holderness	60	3	5	2	3	1
September 8, 2014	Yard Islands	Center Harbor	75	1	-	4	1	-
September 16, 2015	Kent Island	Moultonborough	82	1	-	8	1	-
September 16, 2015	Potato Island	Holderness	66	1	-	4	1	-
September 12, 2016	Hubble Islands	Holderness	58	1	-	3	1	-
September 12, 2016	Kent Island	Moultonborough	83	2	6	7	2	3
September 12, 2016	Potato Island	Holderness	63	3	2	4	3	1
September 12, 2016	Yard Islands	Center Harbor	85	3	5	7	3	1

Table 12. Mean total length and weight of YOY Largemouth Bass captured in Big Squam Lake by date and location. Sample size (n) and one standard deviation (SD) are also presented.

Date	Location	Town	Total Length (mm)			Weight (g)		
			Mean	n	SD	Mean	n	SD
September 19, 2006	Barville Brook	Sandwich	66	10	10	4	10	2
September 19, 2006	Hubble Islands	Holderness	79	3	6	5	3	1
September 19, 2006	Kent Island	Moultonborough	69	11	8	4	11	1
September 19, 2006	Piper Cove	Holderness	68	32	5	4	32	1
September 19, 2006	Potato Island	Holderness	83	2	0	7	2	1
September 19, 2006	Yard Islands	Center Harbor	91	1	-	8	1	-
September 18, 2007	Barville Brook	Sandwich	62	9	7	3	9	1
September 18, 2007	Hubble Islands	Holderness	49	2	16	2	2	1
September 18, 2007	Kent Island	Moultonborough	68	23	6	4	23	1
September 18, 2007	Piper Cove	Holderness	64	9	5	3	9	1
September 18, 2007	Yard Islands	Center Harbor	84	1	-	7	1	-
September 16, 2008	Barville Brook	Sandwich	65	12	12	4	12	3
September 16, 2008	Hubble Islands	Holderness	58	2	6	3	2	1
September 16, 2008	Kent Island	Moultonborough	66	16	8	4	16	2
September 16, 2008	Piper Cove	Holderness	68	5	3	4	5	0
September 16, 2008	Potato Island	Holderness	95	1	-	9	1	-
September 8, 2009	Barville Brook	Sandwich	54	4	13	2	4	1
September 8, 2009	Kent Island	Moultonborough	54	1	-	2	1	-
September 8, 2009	Piper Cove	Holderness	68	5	4	4	5	1
September 14, 2010	Barville Brook	Sandwich	74	10	10	5	10	2
September 14, 2010	Kent Island	Moultonborough	68	11	11	4	11	2
September 14, 2010	Piper Cove	Holderness	71	11	9	4	11	2
September 14, 2010	Yard Islands	Center Harbor	66	2	6	7	2	1
September 27, 2011	Barville Brook	Sandwich	70	6	11	4	6	2
September 27, 2011	Kent Island	Moultonborough	69	7	7	4	7	1
September 27, 2011	Piper Cove	Holderness	68	15	4	4	15	1
September 20, 2012	Barville Brook	Sandwich	76	13	14	5	13	3
September 20, 2012	Hubble Islands	Holderness	102	1	-	10	1	-
September 20, 2012	Kent Island	Moultonborough	80	14	10	6	14	2
September 20, 2012	Piper Cove	Holderness	69	15	7	5	15	1
September 20, 2012	Potato Island	Holderness	96	1	-	7	1	-
September 20, 2013	Barville Brook	Sandwich	62	2	3	4	2	1
September 20, 2013	Hubble Islands	Holderness	72	2	3	5	2	1
September 20, 2013	Kent Island	Moultonborough	73	12	5	5	12	1
September 20, 2013	Piper Cove	Holderness	73	9	7	5	9	1
September 8, 2014	Barville Brook	Sandwich	68	5	7	4	5	1
September 8, 2014	Hubble Islands	Holderness	57	3	9	2	3	2
September 8, 2014	Kent Island	Moultonborough	70	15	4	4	15	1
September 8, 2014	Piper Cove	Holderness	63	40	7	3	39	1
September 16, 2015	Barville Brook	Sandwich	69	5	6	4	5	1
September 16, 2015	Hubble Islands	Holderness	69	2	10	5	2	1
September 16, 2015	Kent Island	Moultonborough	69	27	9	4	27	2
September 16, 2015	Piper Cove	Holderness	70	6	12	5	6	2
September 16, 2015	Yard Islands	Center Harbor	72	4	4	5	4	1
September 12, 2016	Barville Brook	Sandwich	66	10	11	3	10	2
September 12, 2016	Kent Island	Moultonborough	70	11	13	4	11	2
September 12, 2016	Piper Cove	Holderness	73	21	6	5	21	2
September 12, 2016	Yard Islands	Center Harbor	67	1	-	4	1	-

Table 13. Relative abundance estimates (fish/hour) of YOY Smallmouth Bass captured in Forest Lake (Dalton/Whitefield) by date and location. Number of fish captured and total effort (hours) are also presented. Only one run was conducted per location per year.

Date	Location	Effort (hours)	# Captured	Fish/Hour
October 5, 2010	Beach	0.13	0	0.0
October 5, 2010	Island	0.11	2	18.2
October 5, 2010	Southeast Cove	0.13	0	0.0
October 5, 2010	Southwest Shore	0.13	2	15.4
October 5, 2010	West Shore	0.09	2	22.2
September 12, 2011	Beach	0.11	0	0.0
September 12, 2011	Island	0.11	2	18.2
September 12, 2011	Southeast Cove	0.10	0	0.0
September 12, 2011	Southwest Shore	0.14	0	0.0
September 12, 2011	West Shore	0.09	0	0.0
September 12, 2012	Beach	0.10	0	0.0
September 12, 2012	Island	0.11	0	0.0
September 12, 2012	Southeast Cove	0.09	0	0.0
September 12, 2012	Southwest Shore	0.13	0	0.0
September 12, 2012	West Shore	0.08	0	0.0
September 16, 2013	Beach	0.13	0	0.0
September 16, 2013	Island	0.09	1	11.1
September 16, 2013	Southeast Cove	0.12	0	0.0
September 16, 2013	Southwest Shore	0.14	0	0.0
September 16, 2013	West Shore	0.09	0	0.0
October 1, 2014	Beach	0.13	0	0.0
October 1, 2014	Island	0.10	0	0.0
October 1, 2014	Southeast Cove	0.10	0	0.0
October 1, 2014	Southwest Shore	0.12	0	0.0
October 1, 2014	West Shore	0.07	1	14.3
September 2, 2015	Beach	0.09	0	0.0
September 2, 2015	Island	0.08	0	0.0
September 2, 2015	Southeast Cove	0.09	0	0.0
September 2, 2015	Southwest Shore	0.13	0	0.0
September 2, 2015	West Shore	0.07	0	0.0
August 31, 2016	Beach	0.12	0	0.0
August 31, 2016	Island	0.10	1	10.0
August 31, 2016	Southeast Cove	0.08	0	0.0
August 31, 2016	Southwest Shore	0.11	0	0.0
August 31, 2016	West Shore	0.07	0	0.0

Table 14. Relative abundance estimates (fish/hour) of YOY Largemouth Bass captured in Forest Lake (Dalton/Whitefield) by date and location. Number of fish captured and total effort (hours) are also presented. Only one run was conducted per location per year.

Date	Location	Effort (hours)	# Captured	Fish/Hour
October 5, 2010	Beach	0.13	3	23.1
October 5, 2010	Island	0.11	10	90.9
October 5, 2010	Southeast Cove	0.13	8	61.5
October 5, 2010	Southwest Shore	0.13	10	76.9
October 5, 2010	West Shore	0.09	27	300.0
September 12, 2011	Beach	0.11	29	263.6
September 12, 2011	Island	0.11	14	127.3
September 12, 2011	Southeast Cove	0.10	4	40.0
September 12, 2011	Southwest Shore	0.14	45	321.4
September 12, 2011	West Shore	0.09	17	188.9
September 12, 2012	Beach	0.10	8	80.0
September 12, 2012	Island	0.11	22	200.0
September 12, 2012	Southeast Cove	0.09	2	22.2
September 12, 2012	Southwest Shore	0.13	15	115.4
September 12, 2012	West Shore	0.08	23	287.5
September 16, 2013	Beach	0.13	33	253.8
September 16, 2013	Island	0.09	25	277.8
September 16, 2013	Southeast Cove	0.12	31	258.3
September 16, 2013	Southwest Shore	0.14	8	57.1
September 16, 2013	West Shore	0.09	9	100.0
October 1, 2014	Beach	0.13	8	61.5
October 1, 2014	Island	0.10	6	60.0
October 1, 2014	Southeast Cove	0.10	1	10.0
October 1, 2014	Southwest Shore	0.12	7	58.3
October 1, 2014	West Shore	0.07	8	114.3
September 2, 2015	Beach	0.09	9	100.0
September 2, 2015	Island	0.08	12	150.0
September 2, 2015	Southeast Cove	0.09	3	33.3
September 2, 2015	Southwest Shore	0.13	6	46.2
September 2, 2015	West Shore	0.07	0	0.0
August 31, 2016	Beach	0.12	7	58.3
August 31, 2016	Island	0.10	6	60
August 31, 2016	Southeast Cove	0.08	5	62.5
August 31, 2016	Southwest Shore	0.11	5	45.5
August 31, 2016	West Shore	0.07	1	14.3

Table 15. Mean total length and weight of YOY Smallmouth Bass captured in Forest Lake (Dalton/Whitefield) by date and location. Sample size (n) and one standard deviation (SD) are also presented.

Date	Location	Total Length (mm)			Weight (g)		
		Mean	<i>n</i>	SD	Mean	<i>n</i>	SD
October 5, 2010	Island	85	2	1	8	2	1
October 5, 2010	Southwest Shore	90	2	6	9	2	2
October 5, 2010	West Shore	78	2	1	6	2	1
September 12, 2011	Island	87	2	1	7	2	1
September 12, 2012		None captured					
September 16, 2013	Island	78	1	-	6	1	-
October 1, 2014	West Shore	77	1	-	6	1	-
September 2, 2015		None captured					
August 31, 2016	Island	83	1	-	5	1	-

Table 16. Mean total length and weight of YOY Largemouth Bass captured in Forest Lake (Dalton/Whitefield) by date and location. Sample size (n) and one standard deviation (SD) are also presented.

Date	Location	Total Length (mm)			Weight (g)		
		Mean	n	SD	Mean	n	SD
October 5, 2010	Beach	66	3	6	4	3	1
October 5, 2010	Island	73	10	12	5	10	3
October 5, 2010	Southeast Cove	78	8	20	6	8	5
October 5, 2010	Southwest Shore	67	10	8	4	10	1
October 5, 2010	West Shore	63	27	9	3	27	1
September 12, 2011	Beach	62	29	10	3	28	2
September 12, 2011	Island	77	14	8	5	7	2
September 12, 2011	Southeast Cove	59	4	1	3	4	1
September 12, 2011	Southwest Shore	62	45	9	3	45	2
September 12, 2011	West Shore	61	17	9	3	17	1
September 12, 2012	Beach	61	8	5	2	8	1
September 12, 2012	Island	75	22	12	5	22	2
September 12, 2012	Southeast Cove	64	2	11	4	2	3
September 12, 2012	Southwest Shore	71	15	6	4	15	1
September 12, 2012	West Shore	69	23	10	4	23	2
September 16, 2013	Beach	66	33	8	4	33	2
September 16, 2013	Island	74	25	9	4	25	2
September 16, 2013	Southeast Cove	58	31	8	2	31	1
September 16, 2013	Southwest Shore	81	8	15	6	8	3
September 16, 2013	West Shore	66	9	10	4	9	1
October 1, 2014	Beach	62	8	19	4	8	3
October 1, 2014	Island	49	6	6	2	6	1
October 1, 2014	Southeast Cove	48	1	-	2	1	-
October 1, 2014	Southwest Shore	54	7	8	2	7	1
October 1, 2014	West Shore	56	8	13	3	8	2
September 2, 2015	Beach	66	9	16	4	9	3
September 2, 2015	Island	58	12	1	3	12	6
September 2, 2015	Southeast Cove	58	3	5	2	3	1
September 2, 2015	Southwest Shore	56	6	4	2	6	0
August 31, 2016	Beach	64	7	6	3	7	1
August 31, 2016	Island	67	6	7	3	6	1
August 31, 2016	Southeast Cove	65	5	15	3	5	2
August 31, 2016	Southwest Shore	59	5	6	3	5	1
August 31, 2016	West Shore	56	1	-	2	1	-

Table 17. Relative abundance estimates (fish/hour) of YOY Smallmouth Bass captured in Spofford Lake by date and location. Number of fish captured and total effort (hours) are also presented. Only one run was conducted per location per year.

Date	Location	Effort (hours)	# Captured	Fish/Hour
September 29, 2010	Boy's Camp	0.14	11	78.6
September 29, 2010	Dinsmoor	0.17	8	47.1
September 29, 2010	Outlet Bay	0.16	2	12.5
September 29, 2010	Pierce Island	0.17	2	11.8
September 29, 2010	Route 63	0.12	2	16.7
October 7, 2011	Boy's Camp	0.13	2	15.4
October 7, 2011	Dinsmoor	0.16	2	12.5
October 7, 2011	Outlet Bay	0.14	7	50.0
October 10, 2011	Pierce Island	0.18	0	0.0
October 10, 2011	Route 63	0.13	0	0.0
September 11, 2012	Boy's Camp	0.16	4	25.0
September 11, 2012	Dinsmoor	0.14	3	21.4
September 11, 2012	Outlet Bay	0.16	13	81.3
September 11, 2012	Pierce Island	0.18	6	33.3
September 11, 2012	Route 63	0.14	1	7.1
September 3, 2013	Boy's Camp	0.16	5	31.3
September 3, 2013	Dinsmoor	0.15	2	13.3
September 3, 2013	Outlet Bay	0.15	2	13.3
September 3, 2013	Pierce Island	0.16	0	0.0
September 3, 2013	Route 63	0.16	2	12.5
September 4, 2014	Boy's Camp	0.17	1	5.9
September 4, 2014	Dinsmoor	0.16	1	6.3
September 4, 2014	Outlet Bay	0.15	2	13.3
September 4, 2014	Pierce Island	0.15	3	20.0
September 4, 2014	Route 63	0.14	1	7.1
September 4, 2015	Boy's Camp	0.12	5	41.7
September 4, 2015	Dinsmoor	0.13	2	15.4
September 4, 2015	Outlet Bay	0.13	4	30.8
September 4, 2015	Pierce Island	0.16	0	0.0
September 4, 2015	Route 63	0.12	0	0.0
September 8, 2016	Boy's Camp	0.12	0	0.0
September 8, 2016	Dinsmoor	0.12	1	8.3
September 8, 2016	Outlet Bay	0.11	2	18.2
September 8, 2016	Pierce Island	0.15	0	0.0
September 8, 2016	Route 63	0.12	0	0.0

Table 18. Relative abundance estimates (fish/hour) of YOY Largemouth Bass captured in Spofford Lake by date and location. Number of fish captured and total effort (hours) are also presented. Only one run was conducted per location per year.

Date	Location	Effort (hours)	# Captured	Fish/Hour
September 29, 2010	Boy's Camp	0.14	3	21.4
September 29, 2010	Dinsmoor	0.17	0	0.0
September 29, 2010	Outlet Bay	0.16	3	18.8
September 29, 2010	Pierce Island	0.17	0	0.0
September 29, 2010	Route 63	0.12	0	0
October 7, 2011	Boy's Camp	0.13	1	7.7
October 7, 2011	Dinsmoor	0.16	0	0.0
October 7, 2011	Outlet Bay	0.14	3	21.4
October 10, 2011	Pierce Island	0.18	0	0.0
October 10, 2011	Route 63	0.13	0	0.0
September 11, 2012	Boy's Camp	0.16	4	25.0
September 11, 2012	Dinsmoor	0.14	0	0.0
September 11, 2012	Outlet Bay	0.16	6	37.5
September 11, 2012	Pierce Island	0.18	2	11.1
September 11, 2012	Route 63	0.14	1	7.1
September 3, 2013	Boy's Camp	0.16	2	12.5
September 3, 2013	Dinsmoor	0.15	0	0.0
September 3, 2013	Outlet Bay	0.15	0	0.0
September 3, 2013	Pierce Island	0.16	2	12.5
September 3, 2013	Route 63	0.16	7	43.8
September 4, 2014	Boy's Camp	0.17	0	0.0
September 4, 2014	Dinsmoor	0.16	0	0.0
September 4, 2014	Outlet Bay	0.15	1	6.7
September 4, 2014	Pierce Island	0.15	7	46.7
September 4, 2014	Route 63	0.14	0	0.0
September 4, 2015	Boy's Camp	0.12	0	0.0
September 4, 2015	Dinsmoor	0.13	0	0.0
September 4, 2015	Outlet Bay	0.13	3	23.1
September 4, 2015	Pierce Island	0.16	0	0.0
September 4, 2015	Route 63	0.12	0	0.0
September 8, 2016	Boy's Camp	0.12	0	0.0
September 8, 2016	Dinsmoor	0.12	0	0.0
September 8, 2016	Outlet Bay	0.11	0	0.0
September 8, 2016	Pierce Island	0.15	3	20.0
September 8, 2016	Route 63	0.12	3	25.0

Table 19. Mean total length and weight of YOY Smallmouth Bass captured in Spofford Lake by date and location. Sample size (n) and one standard deviation (SD) are also presented.

Date	Location	Total Length (mm)			Weight (g)		
		Mean	n	SD	Mean	n	SD
September 29, 2010	Boy's Camp	83	11	4	7	11	1
September 29, 2010	Dinsmoor	78	8	8	5	8	2
September 29, 2010	Outlet Bay	75	2	4	5	2	1
September 29, 2010	Pierce Island	85	2	4	8	2	1
September 29, 2010	Route 63	94	2	11	10	2	3
October 7, 2011	Boy's Camp	93	2	4	11	2	1
October 7, 2011	Dinsmoor	87	2	4	8	2	1
October 7, 2011	Outlet Bay	78	7	5	6	7	1
September 11, 2012	Boy's Camp	94	4	9	10	4	3
September 11, 2012	Dinsmoor	88	3	11	7	3	3
September 11, 2012	Outlet Bay	85	13	14	8	13	4
September 11, 2012	Pierce Island	86	6	3	8	6	1
September 11, 2012	Route 63	114	1	-	17	1	-
September 3, 2013	Boy's Camp	81	5	7	6	5	1
September 3, 2013	Dinsmoor	69	2	4	4	2	1
September 3, 2013	Outlet Bay	66	2	6	3	2	0
September 3, 2013	Route 63	92	2	1	9	2	0
September 4, 2014	Boy's Camp	82	1	-	5	1	-
September 4, 2014	Dinsmoor	76	1	-	5	1	-
September 4, 2014	Outlet Bay	75	2	4	7	2	2
September 4, 2014	Pierce Island	75	3	2	6	3	1
September 4, 2014	Route 63	92	1	-	11	1	-
September 4, 2015	Boy's Camp	80	5	12	7	5	2
September 4, 2015	Dinsmoor	73	2	1	5	2	1
September 4, 2015	Outlet Bay	73	4	3	5	4	1
September 8, 2016	Dinsmoor	87	1	-	9	1	-
September 8, 2016	Outlet Bay	68	2	1	4	2	-

Table 20. Mean total length and weight of YOY Largemouth Bass captured in Spofford Lake by date and location. Sample size (n) and one standard deviation (SD) are also presented.

Date	Location	Total Length (mm)			Weight (g)		
		Mean	<i>n</i>	SD	Mean	<i>n</i>	SD
September 29, 2010	Boy's Camp	70	3	5	4	3	1
September 29, 2010	Outlet Bay	64	3	4	3	3	1
October 7, 2011	Boy's Camp	91	1	-	8	1	-
October 7, 2011	Outlet Bay	60	3	9	3	3	1
September 11, 2012	Boy's Camp	64	4	13	3	4	1
September 11, 2012	Outlet Bay	69	6	10	4	6	1
September 11, 2012	Pierce Island	72	2	6	5	2	1
September 11, 2012	Route 63	74	1	-	4	1	-
September 3, 2013	Boy's Camp	84	2	17	7	2	4
September 3, 2013	Pierce Island	87	2	2	7	2	1
September 3, 2013	Route 63	84	7	9	6	7	2
September 4, 2014	Outlet Bay	68	1	-	4	1	-
September 4, 2014	Pierce Island	74	7	4	5	7	1
September 4, 2015	Outlet Bay	69	3	17	4	3	3
September 8, 2016	Pierce Island	67	3	5	4	3	1
September 8, 2016	Route 63	76	3	12	5	3	2

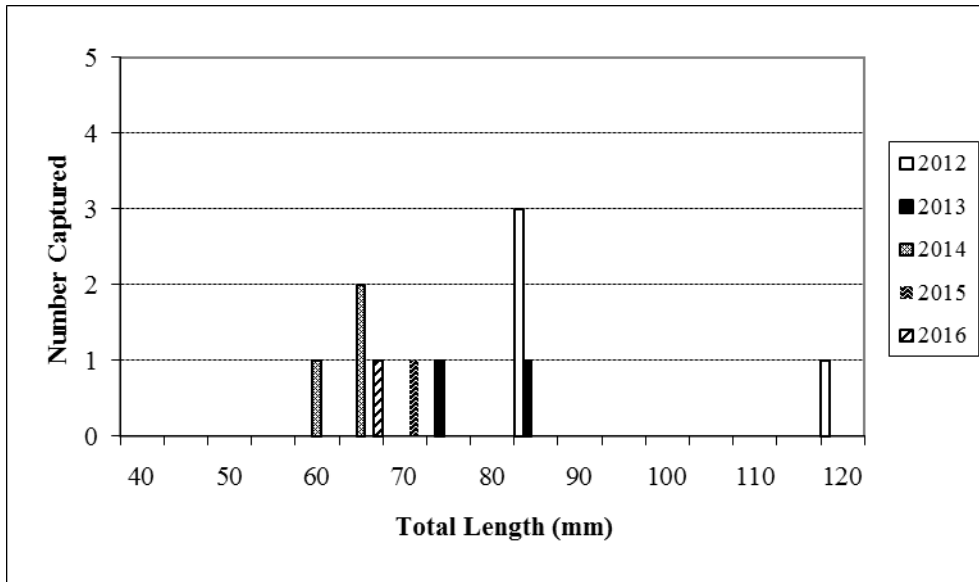


Figure 1a. Length frequency histogram of YOY Smallmouth Bass captured at Foley Island, Moultonborough, Lake Winnepesaukee, during the past five years in September or October. See Table 3 for sample sizes.

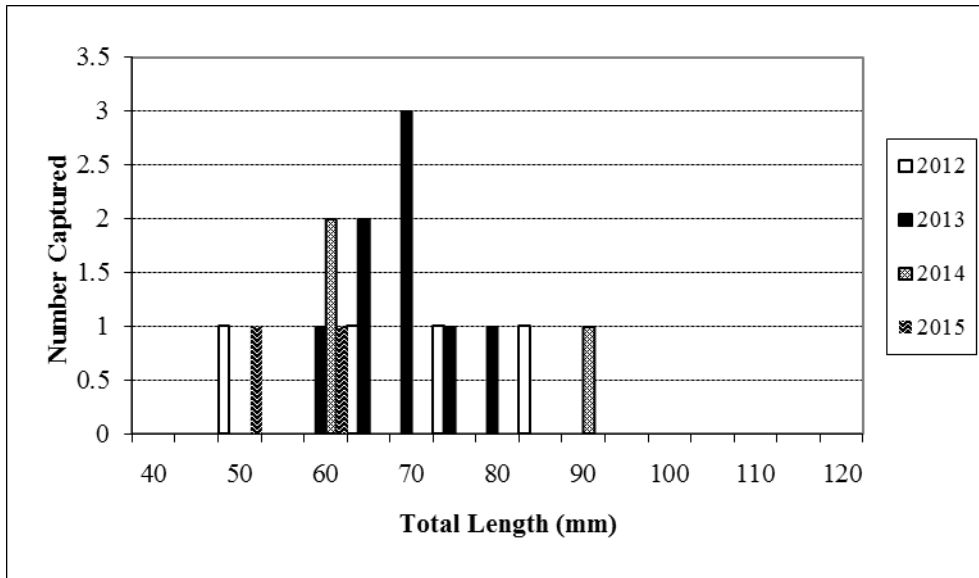


Figure 1b. Length frequency histogram of YOY Largemouth Bass captured at Foley Island, Moultonborough, Lake Winnepesaukee, during the past five years in September or October. No YOY Largemouth Bass were captured at this location in 2016. See Table 4 for sample sizes.

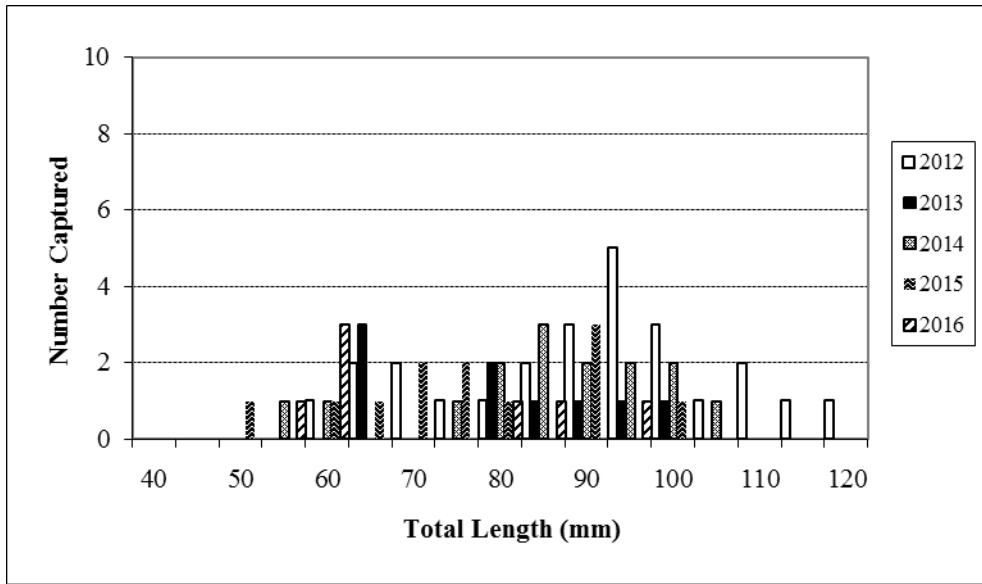


Figure 2. Length frequency histogram of YOY Largemouth Bass captured at Lees Mills, Moultonborough, Lake Winnepesaukee, during the past five years in September or October. See Table 4 for sample sizes.

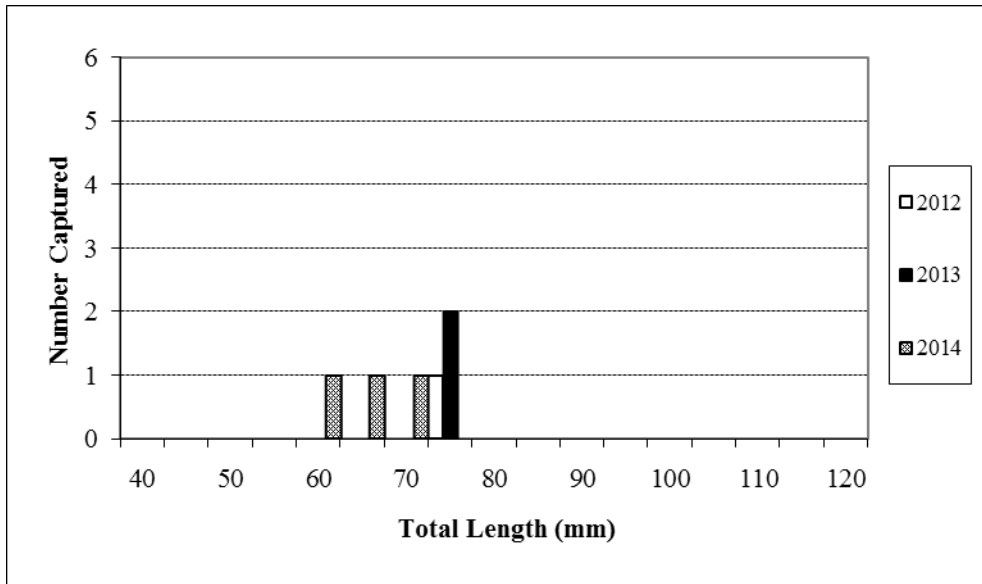


Figure 3a. Length frequency histogram of YOY Smallmouth Bass captured at Plum Island, Robert's Cove, Alton, Lake Winnepesaukee, during the past five years in September or October. See Table 3 for sample sizes. No YOY Smallmouth Bass were captured at this location in 2009, 2015, or 2016.

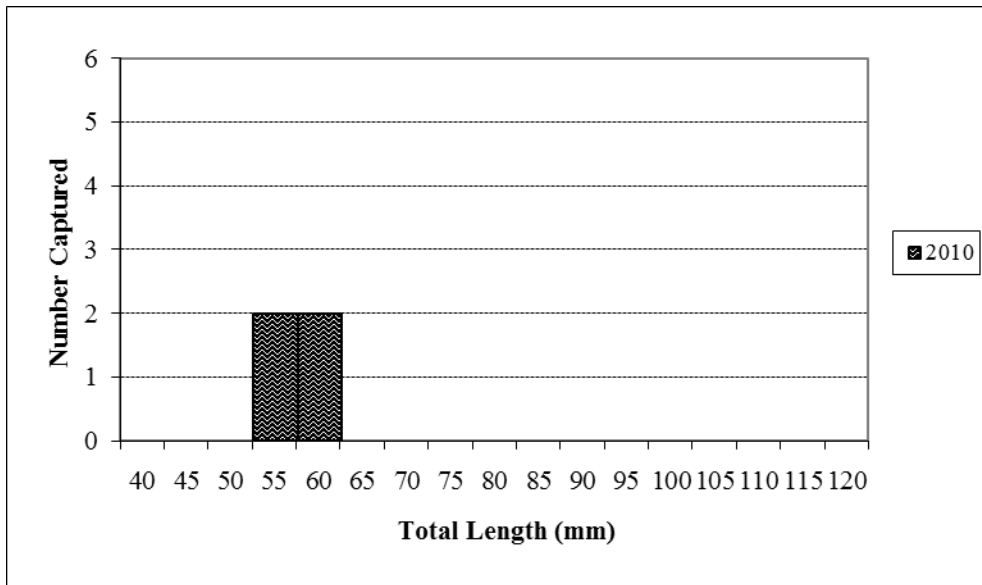


Figure 3b. Length frequency histogram of YOY Largemouth Bass captured at Plum Island, Robert's Cove, Alton, Lake Winnepesaukee, during the past five years in September or October. See Table 3 for sample sizes. No YOY Largemouth Bass were captured at this location in 2008, 2009, 2011, 2012, 2013, 2014, 2015, or 2016.

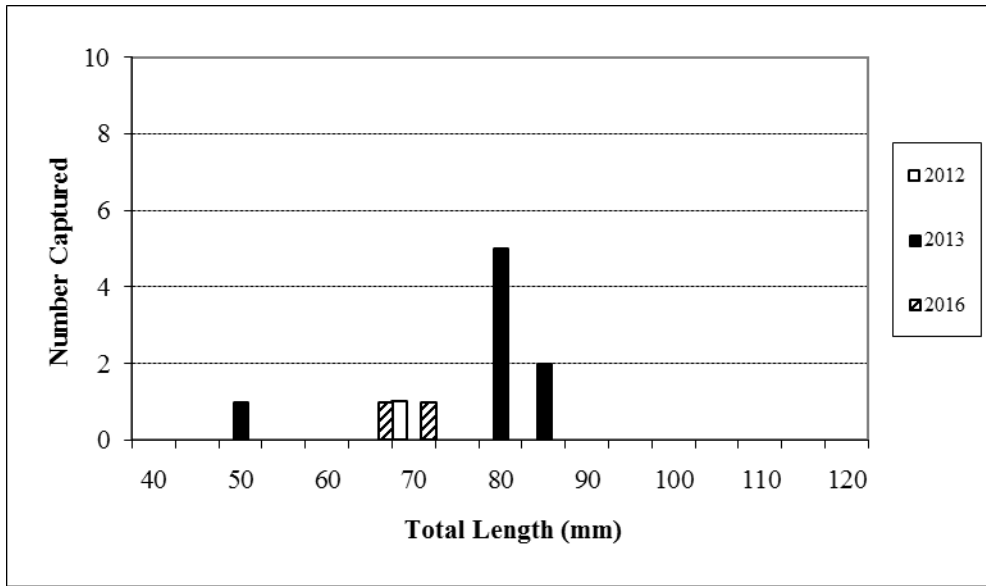


Figure 4a. Length frequency histogram for YOY Smallmouth Bass captured at Rock Island at Glendale, Gilford, Lake Winnepesaukee, during the past five years in September or October. See Table 3 for sample sizes. This location was not sampled in 2014. No YOY Smallmouth Bass were captured in 2015.

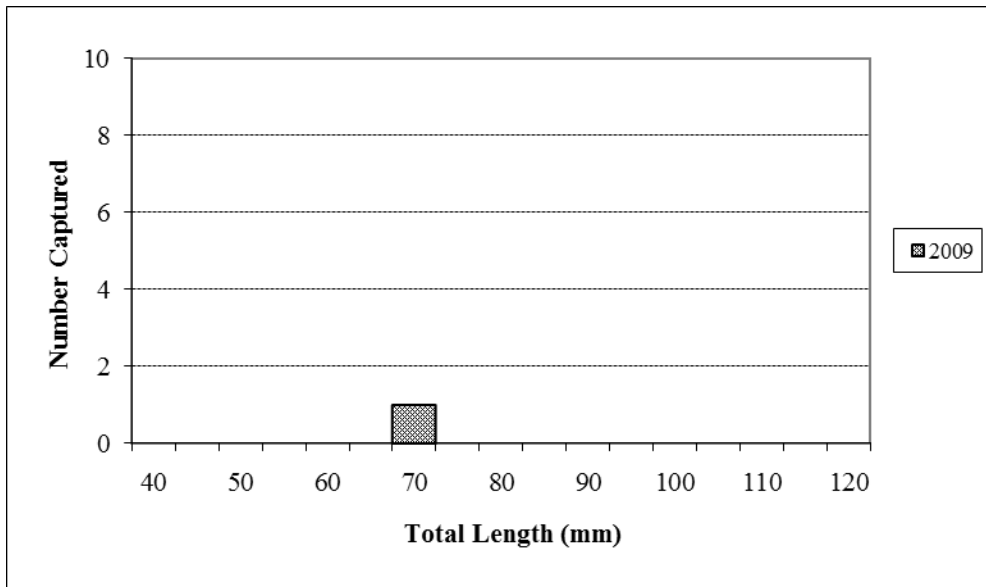


Figure 4b. Length frequency histogram of YOY Largemouth Bass captured at Rock Island at Glendale, Gilford, Lake Winnepesaukee, during the past five years in September or October. See Table 4 for sample sizes. This location was not sampled in 2014. No YOY Largemouth Bass were captured at this location in 2010, 2011, 2012, 2013, 2015, or 2016..

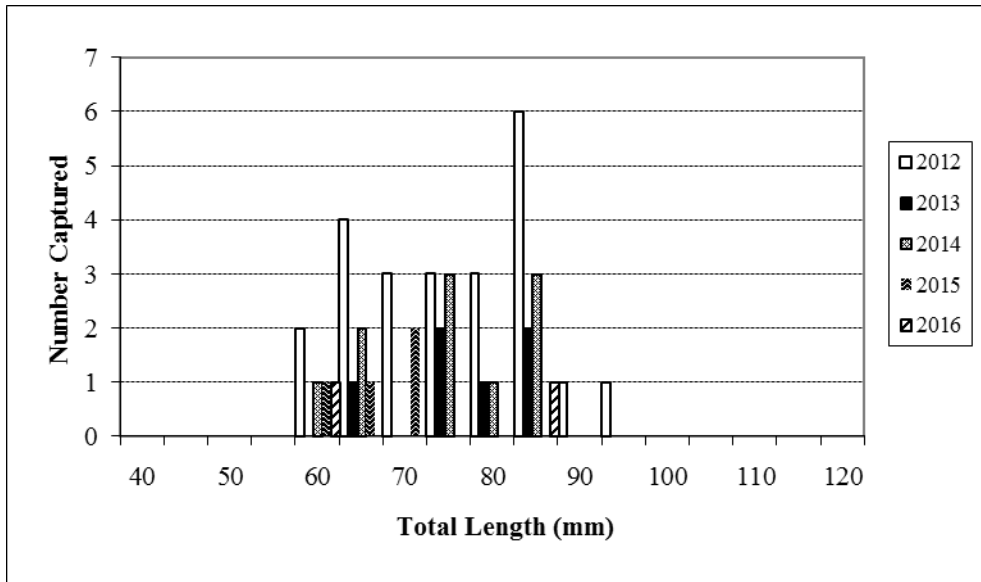


Figure 5a. Length frequency histogram of YOY Smallmouth Bass captured at Sewalls Point, Wolfeboro, Lake Winnepesaukee, during the past five years in September or October. See Table 3 for sample sizes.

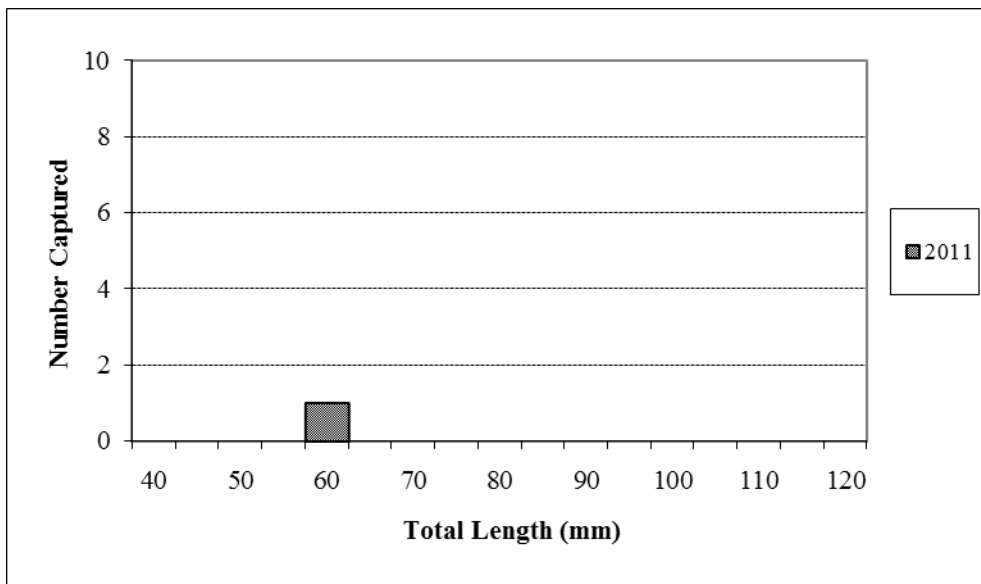


Figure 5b. Length frequency histogram of YOY Largemouth Bass captured at Sewalls Point, Wolfeboro, Lake Winnepesaukee, during the past five years in September or October. See Table 3 for sample sizes. No YOY Largemouth Bass were captured at this location in 2009, 2012, 2013, 2014, 2015, or 2016.

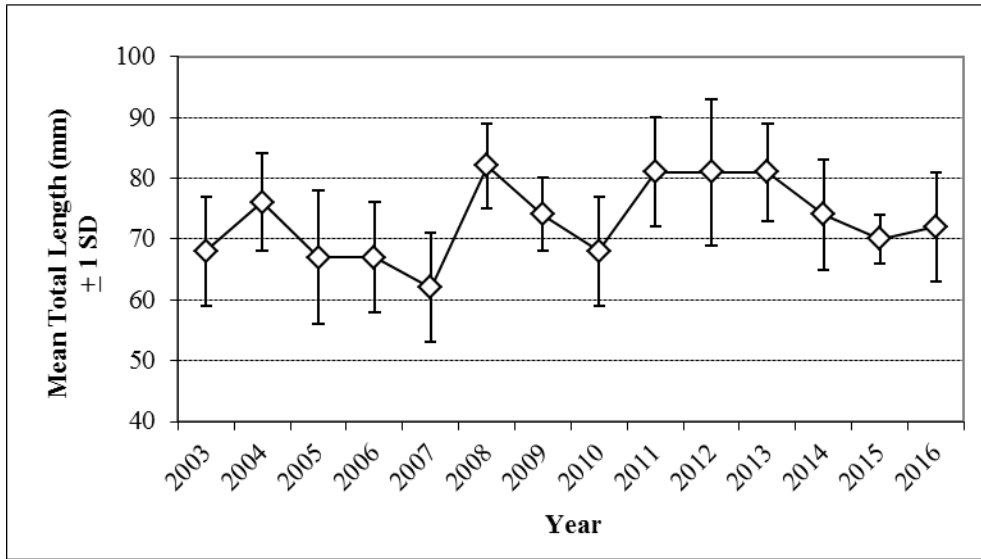


Figure 6. Mean total length (mm; ± 1 SD) of YOY Smallmouth Bass captured in Lake Winnepesaukee (all sites) by year. See Table 3 for sample sizes.

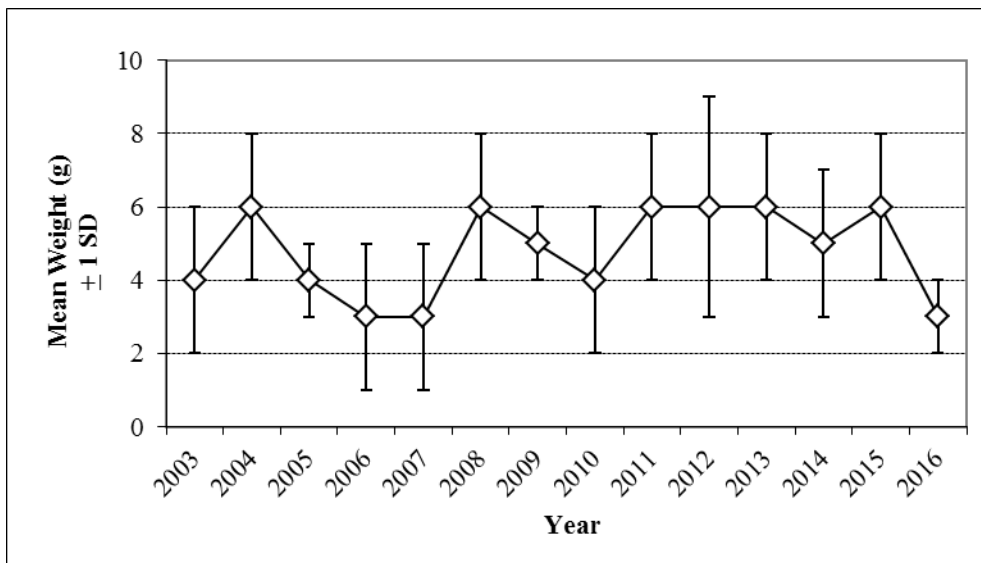


Figure 7. Mean weight (g; ± 1 SD) of YOY Smallmouth Bass captured in Lake Winnepesaukee (all sites) by year. See Table 3 for sample sizes.

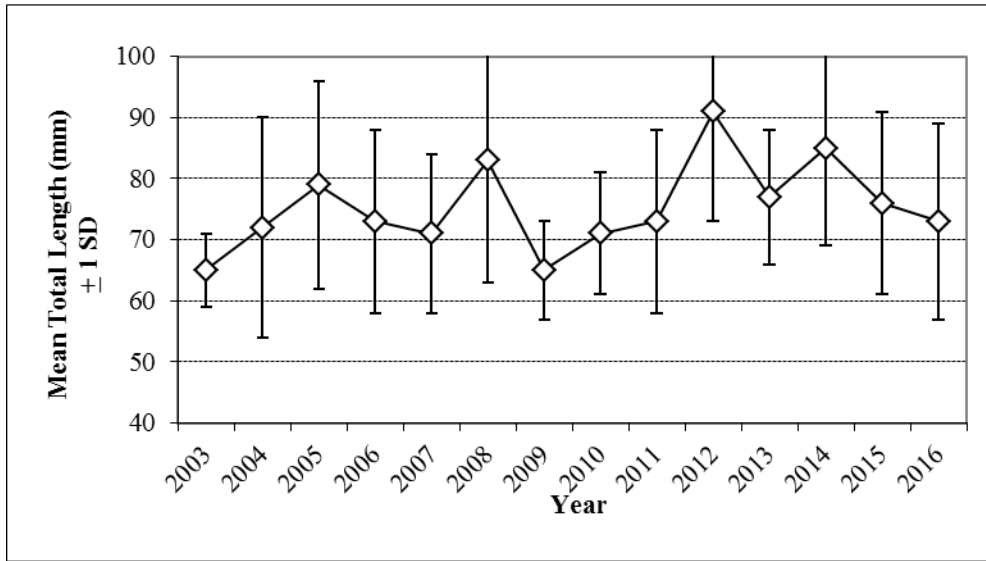


Figure 8. Mean total length (mm; ± 1 SD) of YOY Largemouth Bass captured in Lake Winnepesaukee (all sites) by year. See Table 4 for sample sizes.

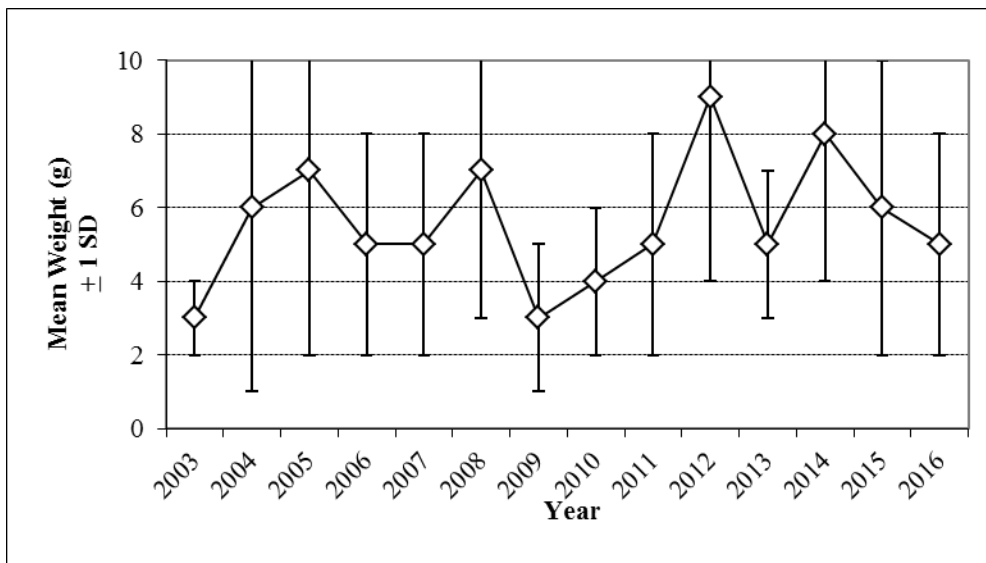


Figure 9. Mean weight (g; ± 1 SD) of YOY Largemouth Bass captured in Lake Winnepesaukee (all sites) by year. See Table 4 for sample sizes.

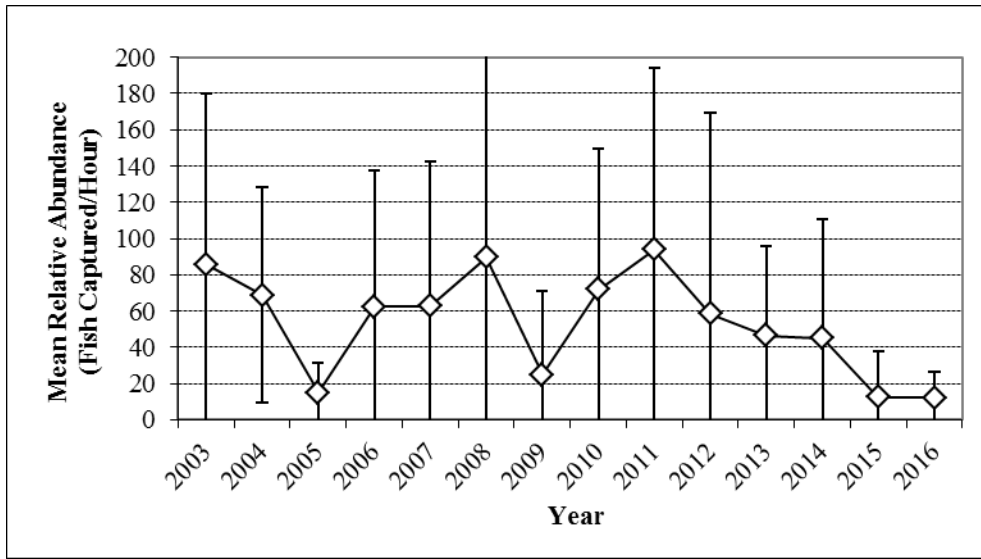


Figure 10. Mean relative abundance (fish/hour; \pm 1 SD) of YOY Smallmouth Bass captured in Lake Winnepesaukee (all sites) by year.

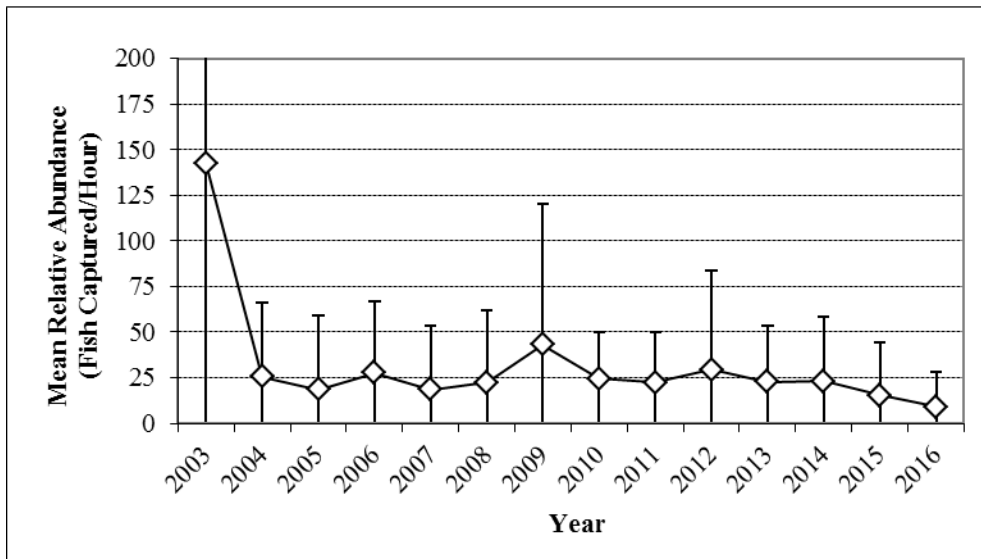


Figure 11. Mean relative abundance (fish/hour; \pm 1 SD) of YOY Largemouth Bass captured in Lake Winnepesaukee (all sites) by year.

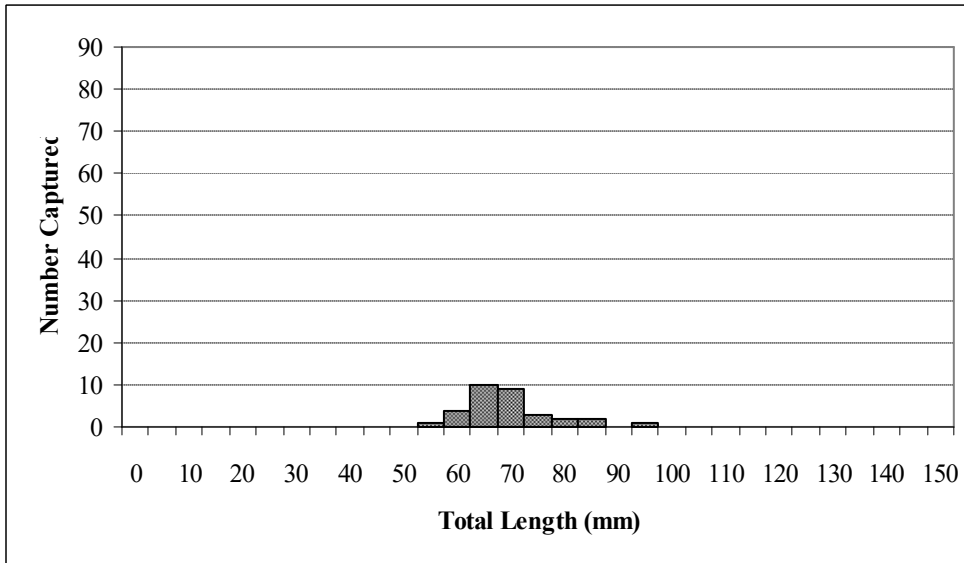


Figure 12a. Length frequency histogram of YOY Smallmouth Bass captured in the Connecticut River (Claremont Reach) during September 1996 (n = 32).

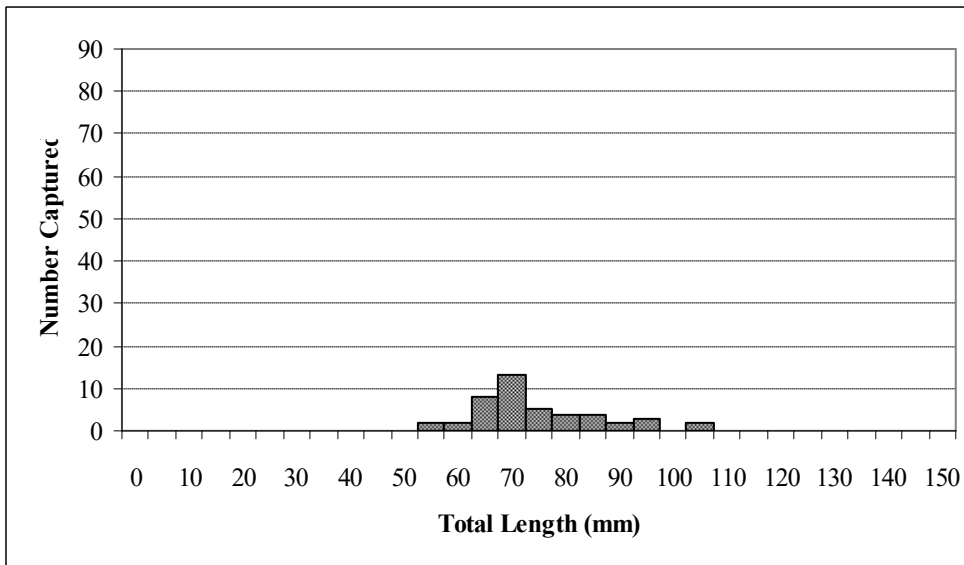


Figure 12b. Length frequency histogram of YOY Smallmouth Bass captured in the Connecticut River (Claremont Reach) during September 1997 (n = 45).

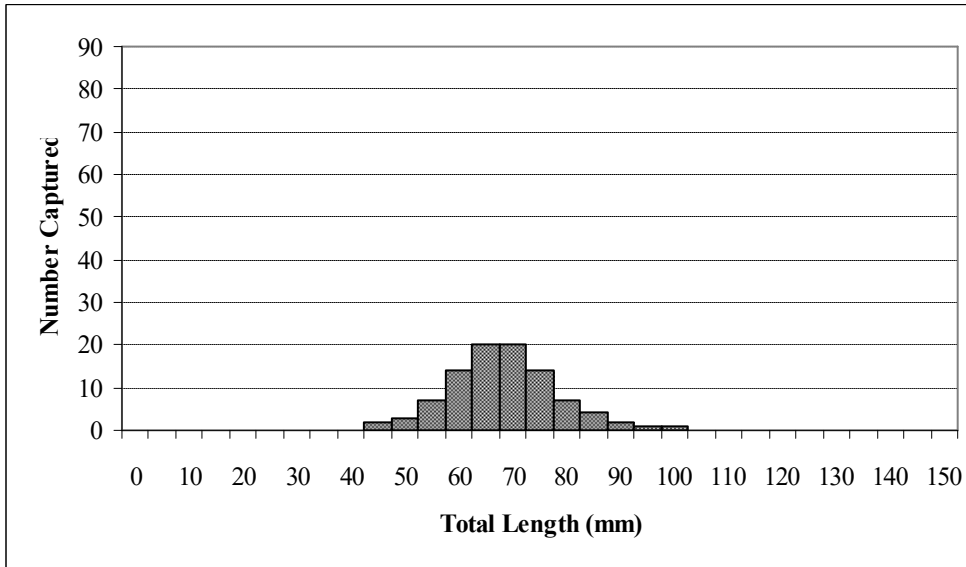


Figure 12c. Length frequency histogram of YOY Smallmouth Bass captured in the Connecticut River (Claremont Reach) during September 1998 (n = 95).

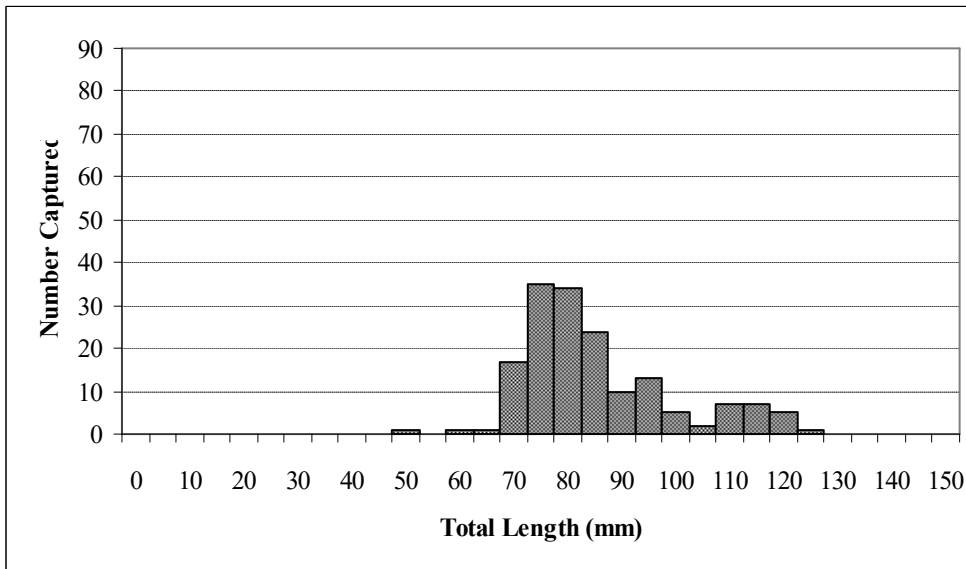


Figure 12d. Length frequency histogram of YOY Smallmouth Bass captured in the Connecticut River (Claremont Reach) during October 1999 (n = 163).

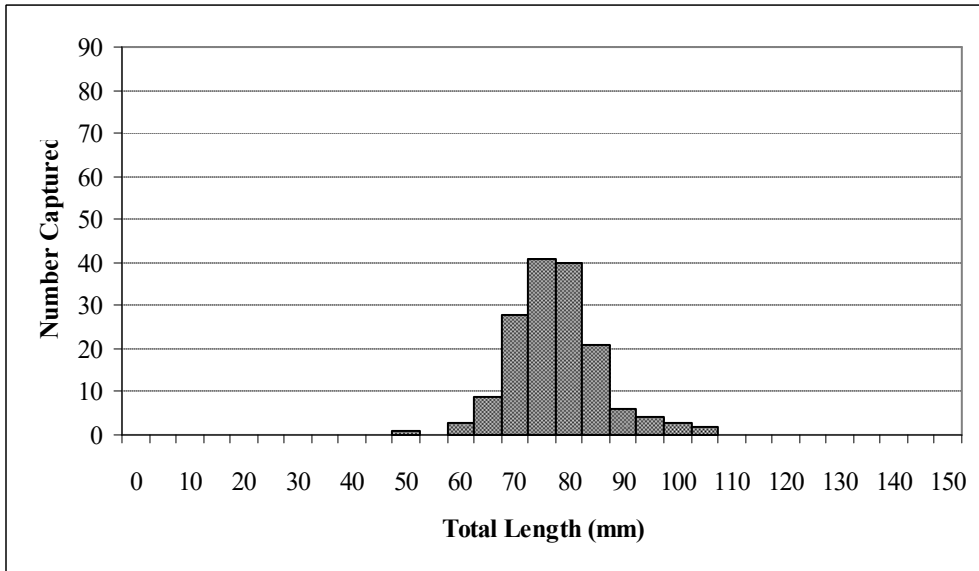


Figure 12e. Length frequency histogram of YOY Smallmouth Bass captured in the Connecticut River (Claremont Reach) during October 2002 (n = 158).

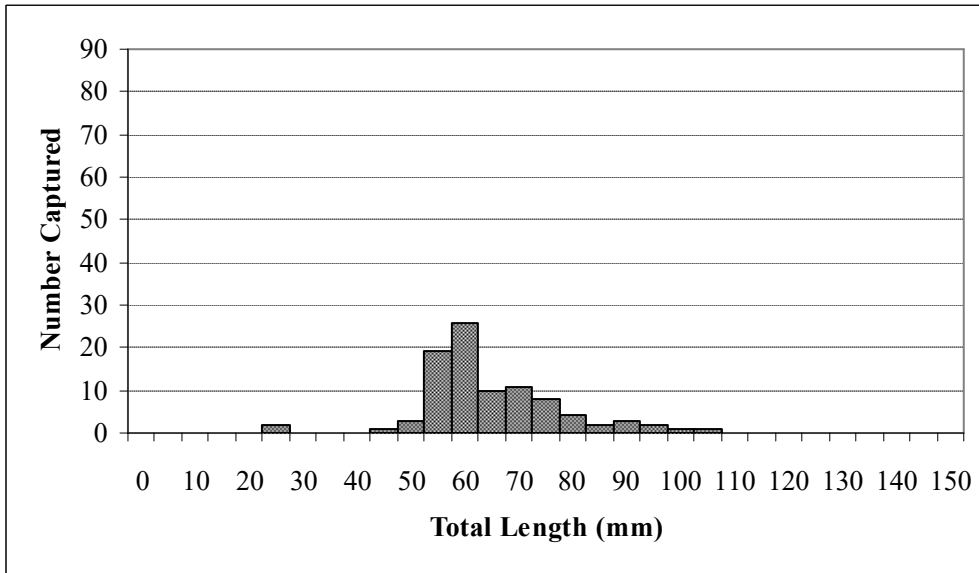


Figure 12f. Length frequency histogram of YOY Smallmouth Bass captured in the Connecticut River (Claremont Reach) during September 2004 (n = 93).

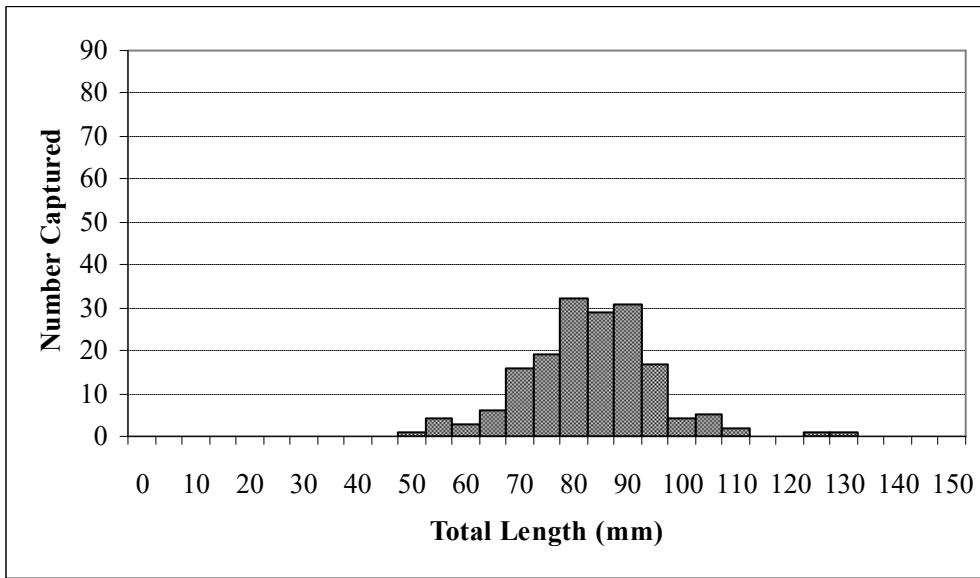


Figure 12g. Length frequency histogram of YOY Smallmouth Bass captured in the Connecticut River (Claremont Reach) during September 2005 (n = 171).

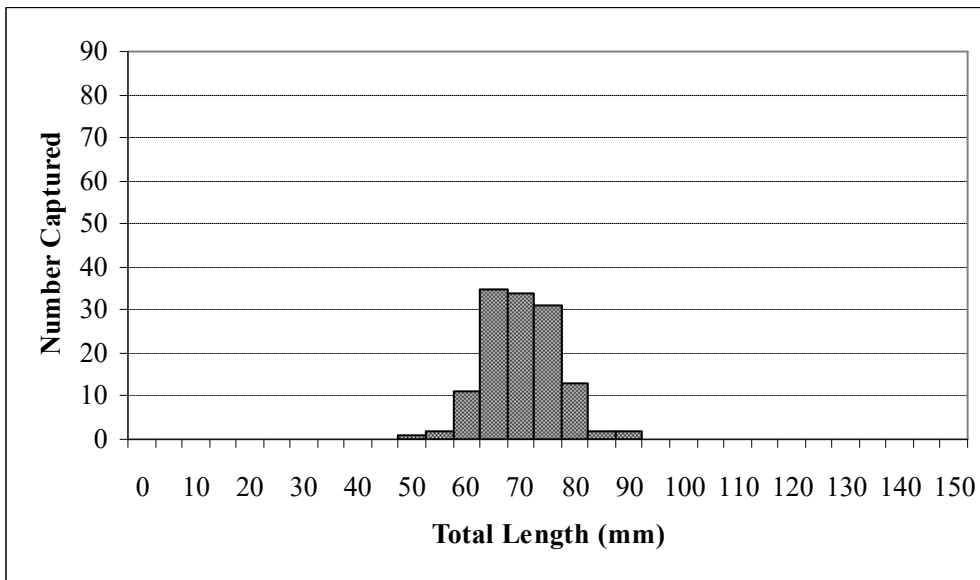


Figure 12h. Length frequency histogram of YOY Smallmouth Bass captured in the Connecticut River (Claremont Reach) during September 2006 (n = 131).

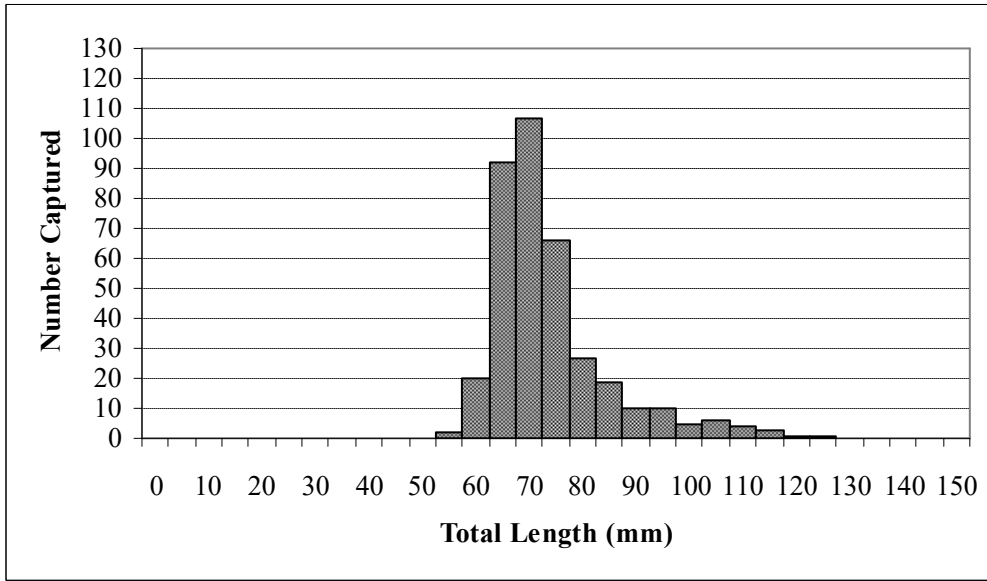


Figure 12i. Length frequency histogram of YOY Smallmouth Bass captured in the Connecticut River (Claremont Reach) during September 2007 (n = 373).

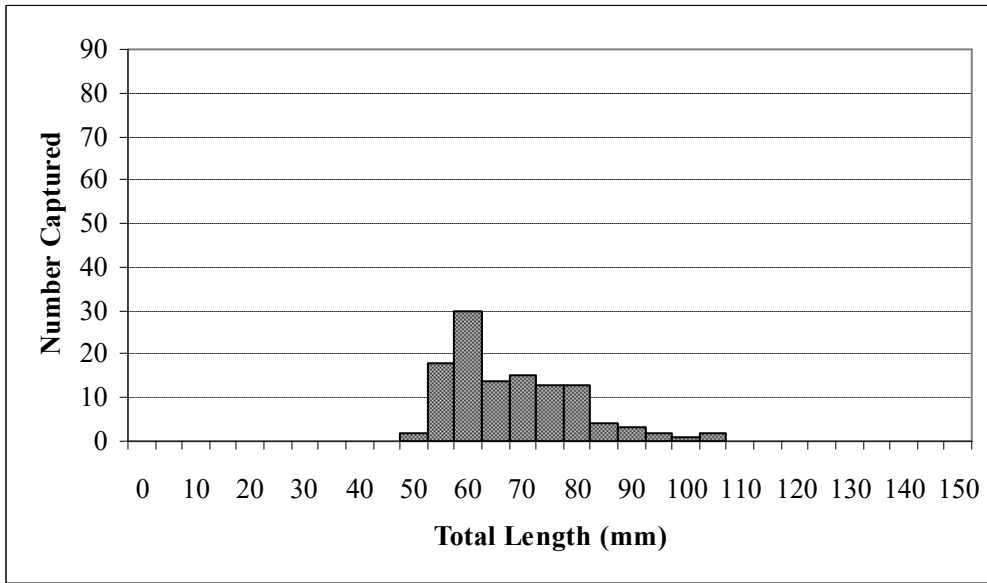


Figure 12j. Length frequency histogram of YOY Smallmouth Bass captured in the Connecticut River (Claremont Reach) during October 2008 (n = 117).

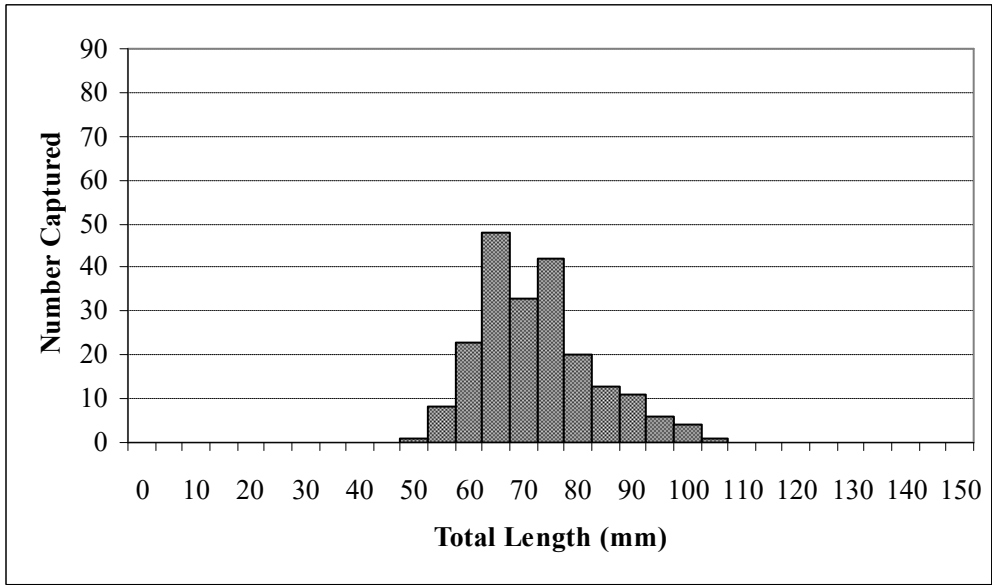


Figure 12k. Length frequency histogram of YOY Smallmouth Bass captured in the Connecticut River (Claremont Reach) during September 2009 (n = 210).

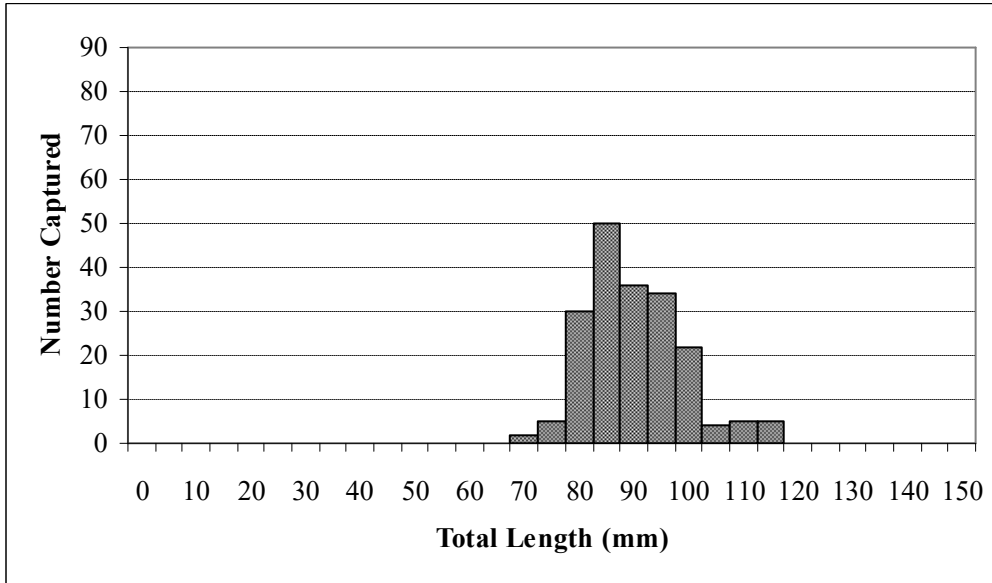


Figure 12l. Length frequency histogram of YOY Smallmouth Bass captured in the Connecticut River (Claremont Reach) during September 2010 (n = 193).

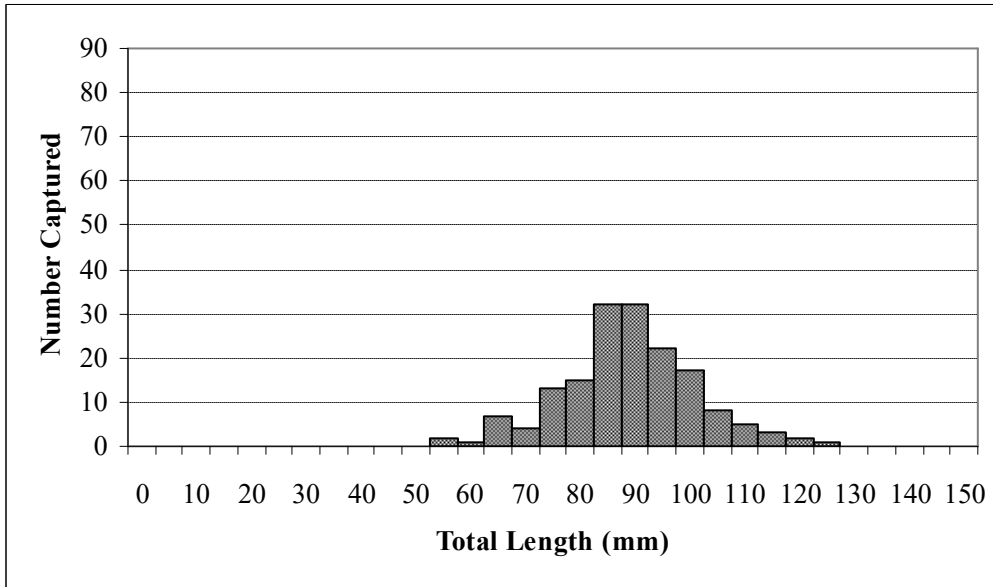


Figure 12m. Length frequency histogram of YOY Smallmouth Bass captured in the Connecticut River (Claremont Reach) during October 2012 (n = 164).

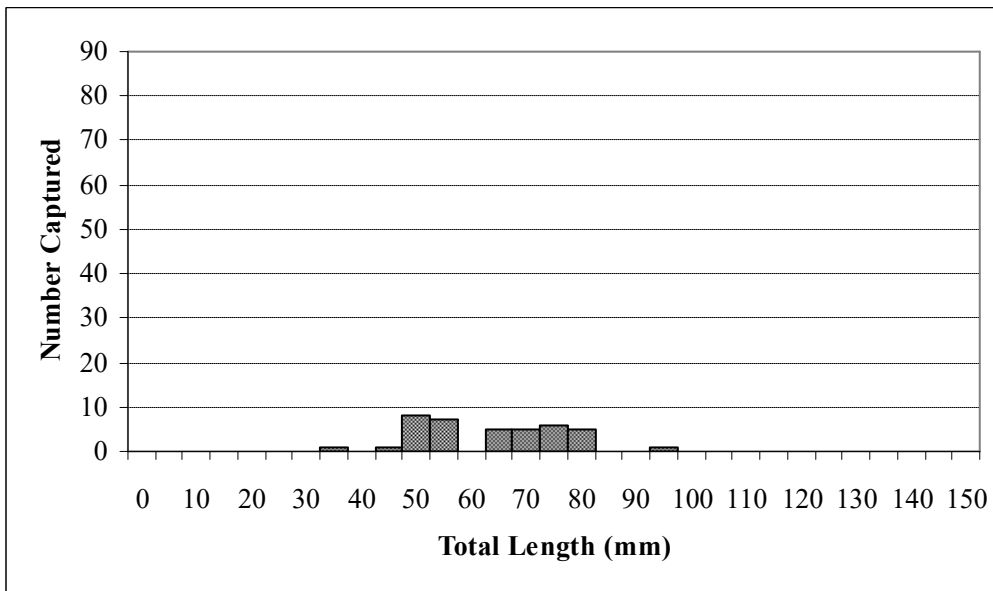


Figure 12n. Length frequency histogram of YOY Smallmouth Bass captured in the Connecticut River (Claremont Reach) during October 2013 (n = 39).

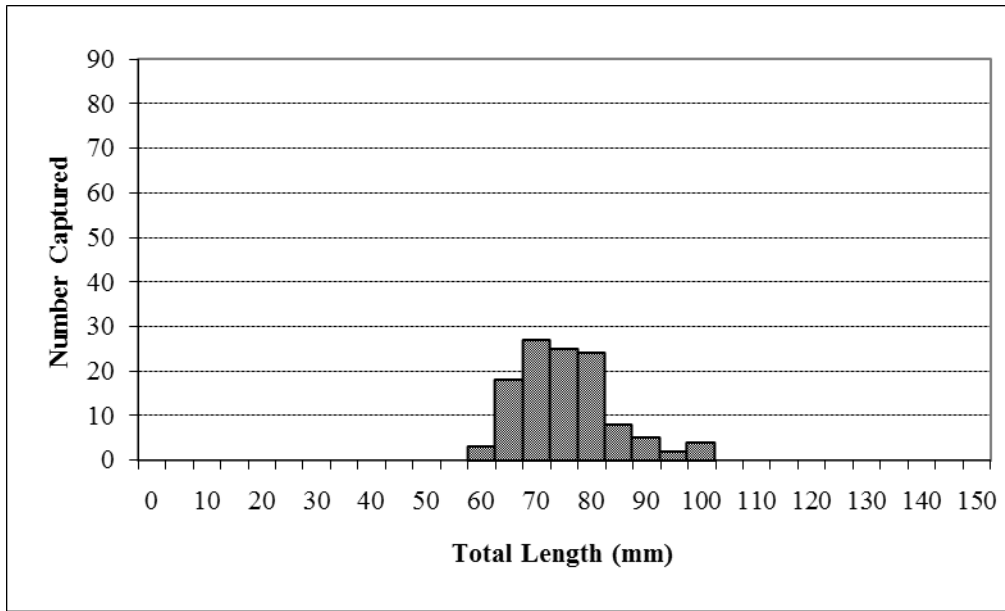


Figure 12o. Length frequency histogram of YOY Smallmouth Bass captured in the Connecticut River (Claremont Reach) during September 2014 (n = 116).

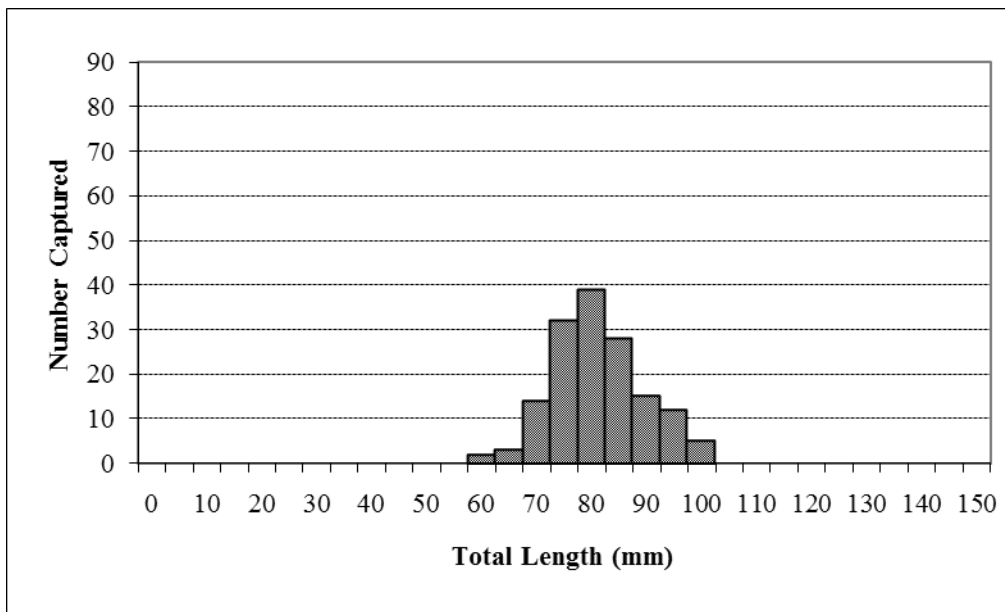


Figure 12p. Length frequency histogram of YOY Smallmouth Bass captured in the Connecticut River (Claremont Reach) during October 2016 (n = 150).

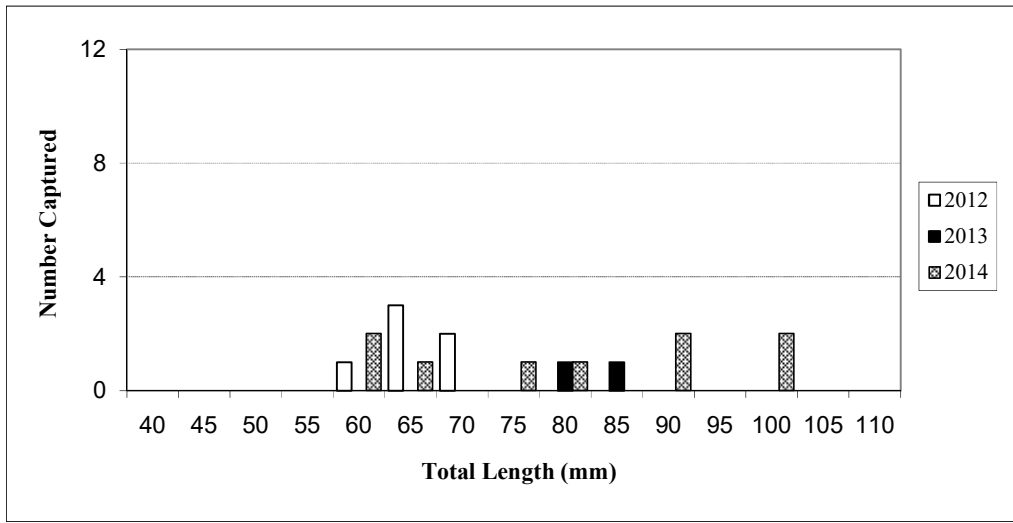


Figure 13a. Length frequency histogram of YOY Largemouth Bass captured at Liscomb Cove, Connecticut River (Hinsdale Reach), in September or October by year. See Table 8 for sample sizes.

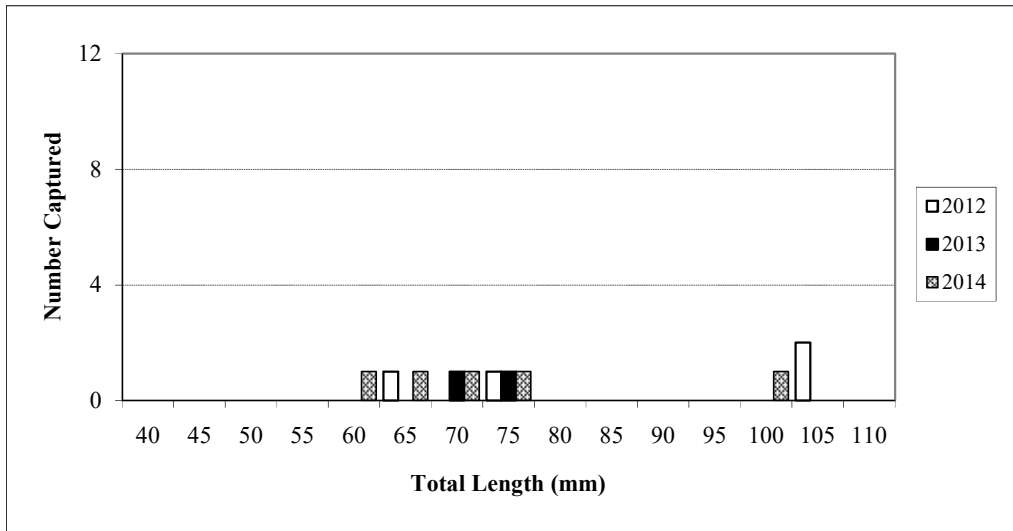


Figure 13b. Length frequency histogram of YOY Largemouth Bass captured at Powerline site, Connecticut River (Hinsdale Reach), in September or October by year. See Table 8 for sample sizes.

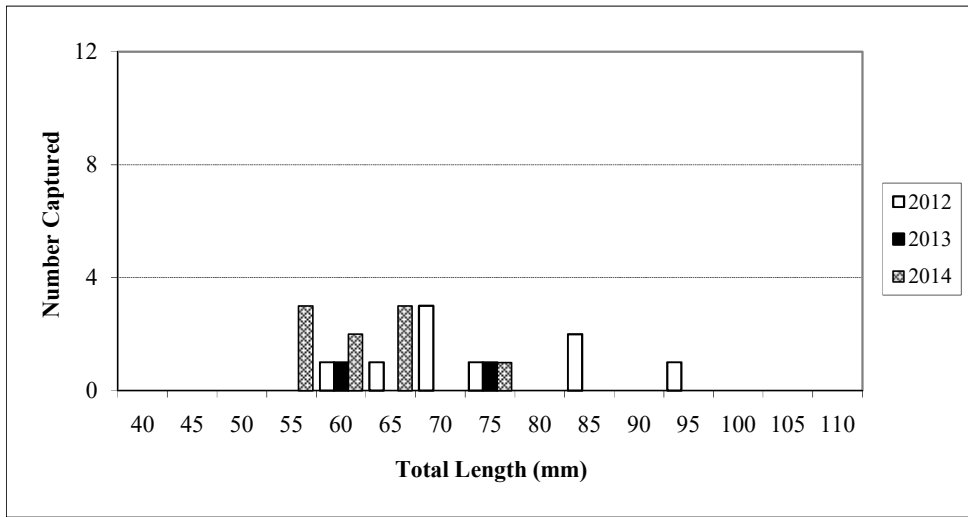


Figure 13c. Length frequency histogram of YOY Largemouth Bass captured at Rum Point, Connecticut River (Hinsdale Reach), in September or October by year. See Table 8 for sample sizes.

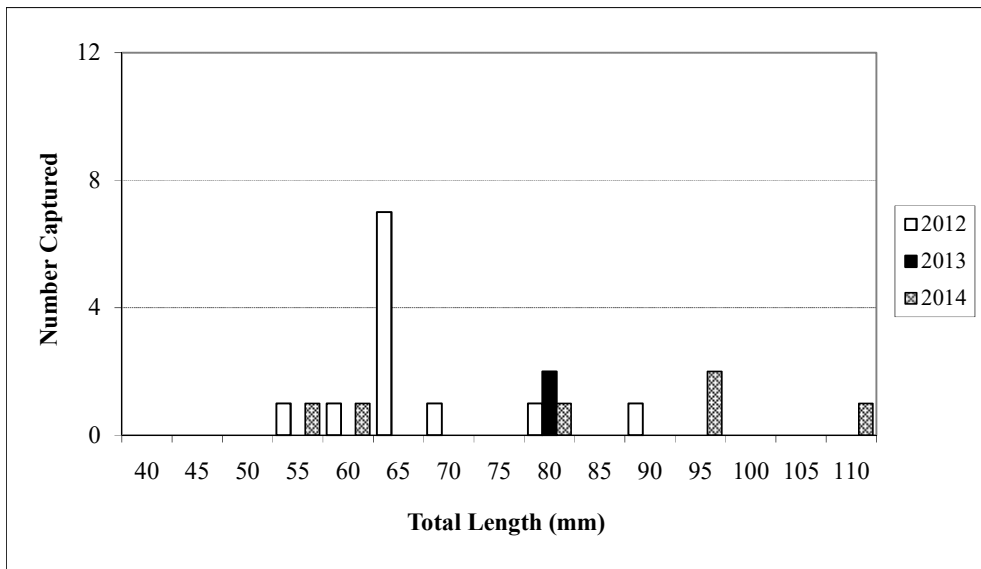


Figure 13d. Length frequency histogram of YOY Largemouth Bass captured at Vernon Dam site, Connecticut River (Hinsdale Reach), in September or October by year. See Table 8 for sample sizes.

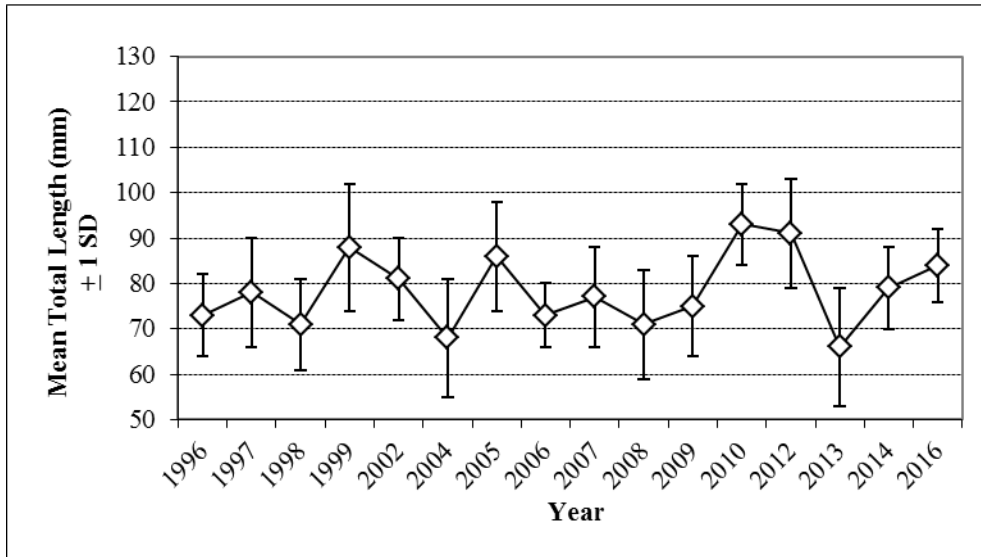


Figure 14. Mean total length (mm; ± 1 SD) of YOY Smallmouth Bass captured in the Claremont reach of the Connecticut River by year. See Table 7 for sample sizes. Sampling was not conducted during 2000, 2001, 2003, 2011 and 2015.

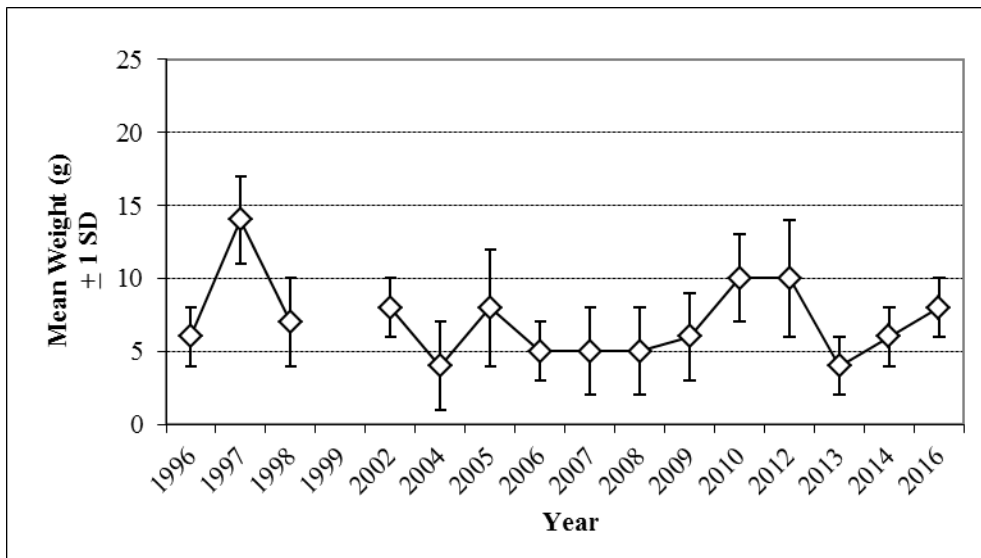


Figure 15. Mean weight (g; ± 1 SD) of YOY Smallmouth Bass captured in the Claremont reach of the Connecticut River by year. See Table 7 for sample sizes. Sampling was not conducted during 2000, 2001, 2003, 2011 and 2015.

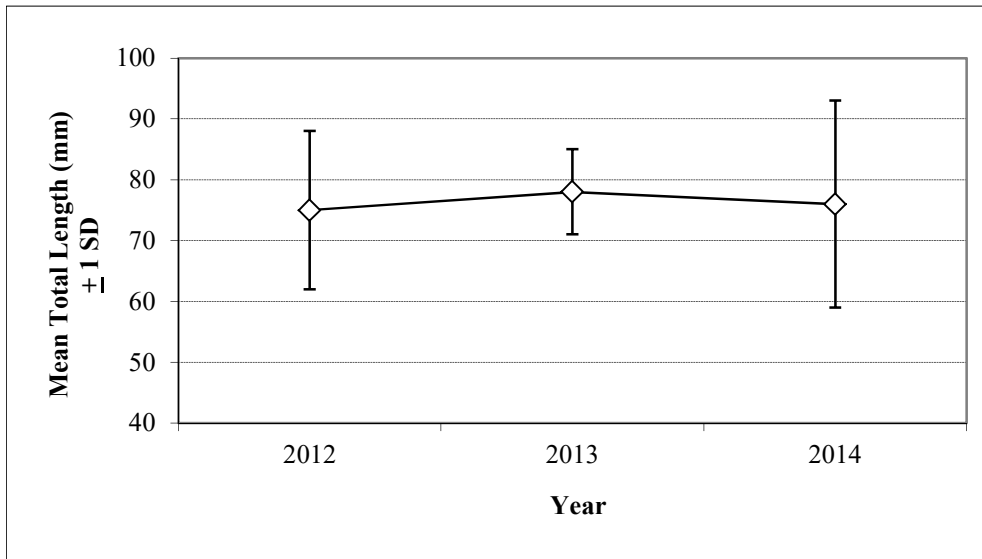


Figure 16. Mean total length (mm; ± 1 SD) of YOY Largemouth Bass captured in the Hinsdale reach of Connecticut River (all sites) by year. See Table 8 for sample sizes. Sampling was not conducted during 2015 or 2016.

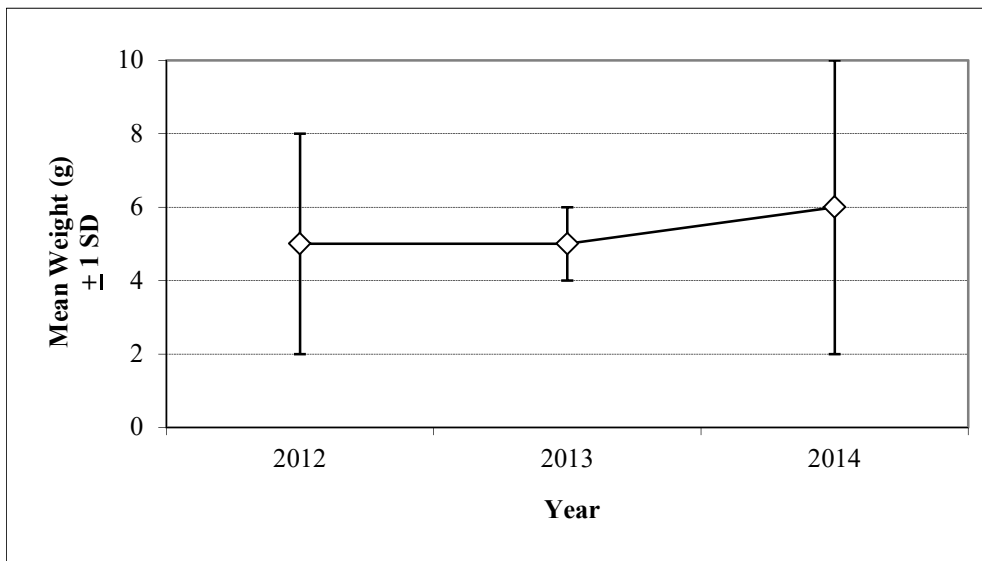


Figure 17. Mean weight (g; ± 1 SD) of YOY Largemouth Bass captured in the Hinsdale reach of Connecticut River (all sites) by year. See Table 8 for sample sizes. Sampling was not conducted during 2015 or 2016.

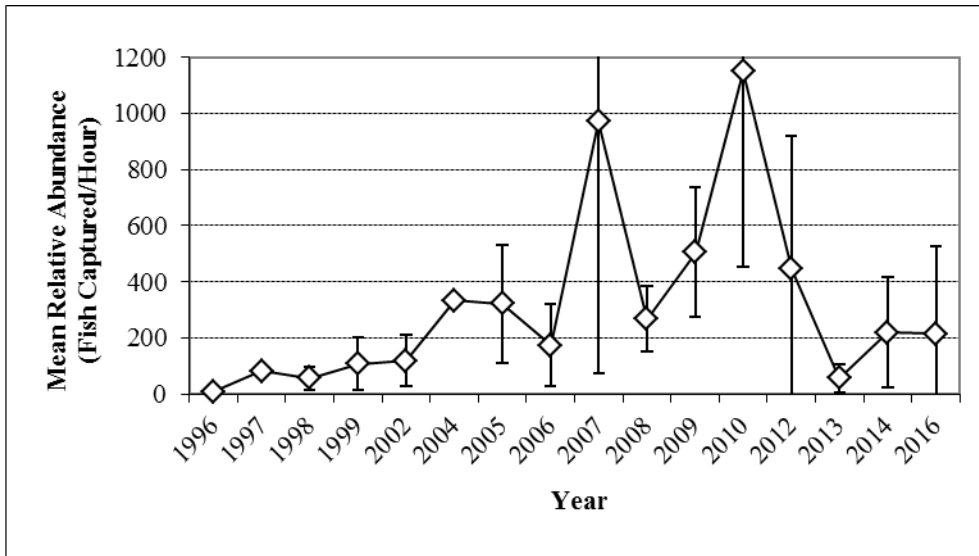


Figure 18. Mean relative abundance (fish/hour; \pm 1 SD) of YOY Smallmouth Bass captured in the Claremont reach of the Connecticut River by year. From 1996 to 2003, sampling effort was directed at all ages of black bass and community runs were conducted in addition to target species (black bass and walleye) runs. During 2004, community runs were not conducted and only bass and walleye of all ages were targeted. During 2005 to the present, only YOY bass and walleye were targeted. Sampling was not conducted during 2000, 2001, 2003, 2011 and 2015.

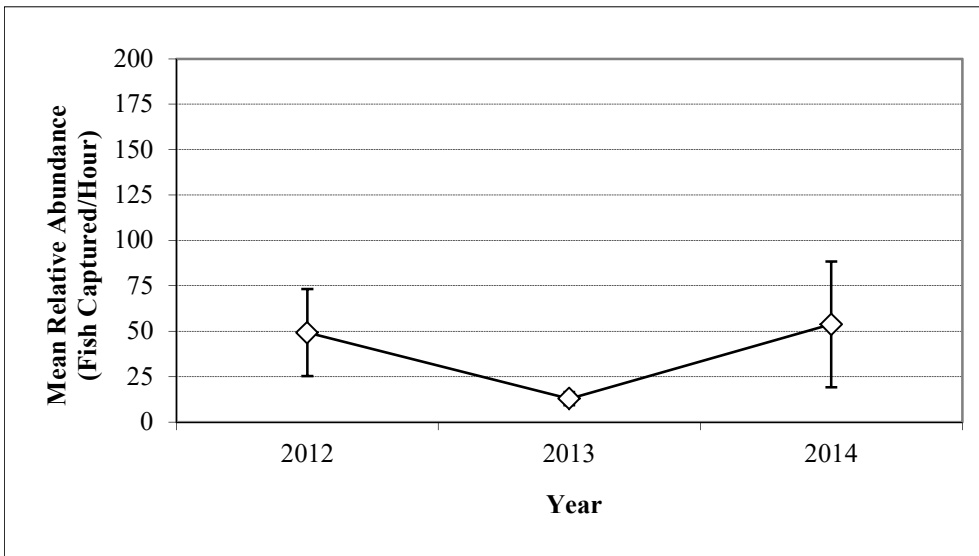


Figure 19. Mean relative abundance (fish/hour; \pm 1 SD) of YOY Largemouth Bass captured in the Hinsdale reach of Connecticut River (all sites) by year. Sampling was not conducted during 2015 or 2016.

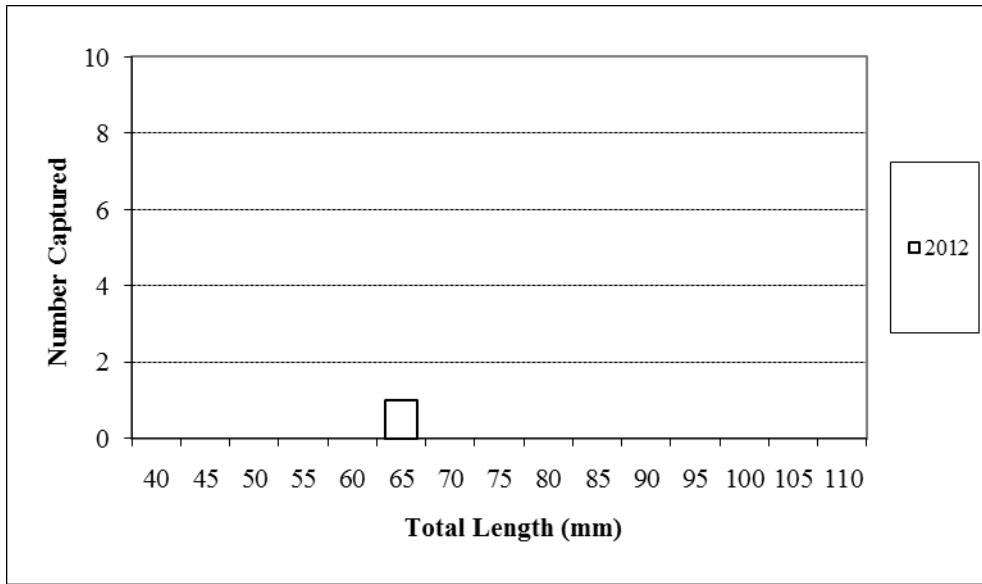


Figure 20a. Length frequency histogram of YOY Smallmouth Bass captured at Barville Brook, Sandwich, Big Squam Lake, during the past five years in September. See Table 11 for sample sizes. No YOY Smallmouth Bass were captured at this location in 2013, 2014, 2015, and 2016.

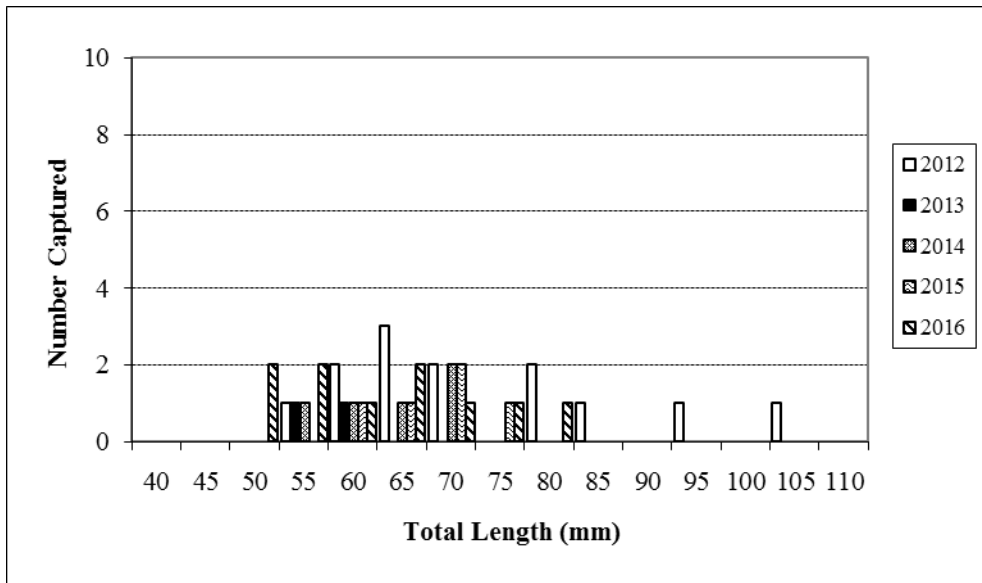


Figure 20b. Length frequency histogram of YOY Largemouth Bass captured at Barville Brook, Sandwich, Big Squam Lake, during the past five years in September. See Table 12 for sample sizes.

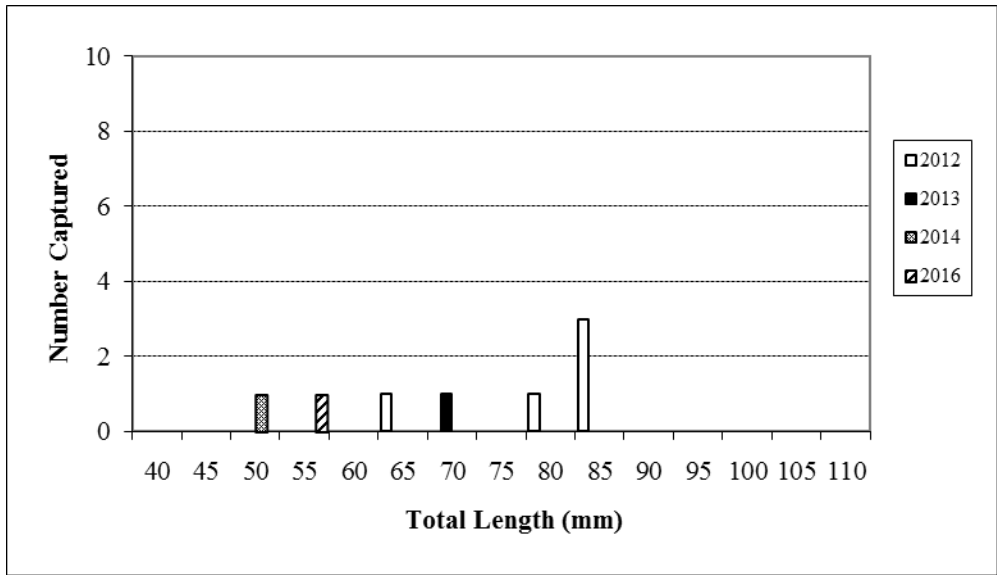


Figure 21a. Length frequency histogram of YOY Smallmouth Bass captured at Hubble Islands, Holderness, Big Squam Lake, during the past five years in September. See Table 11 for sample sizes. No YOY Smallmouth Bass were captured at this location in 2015.

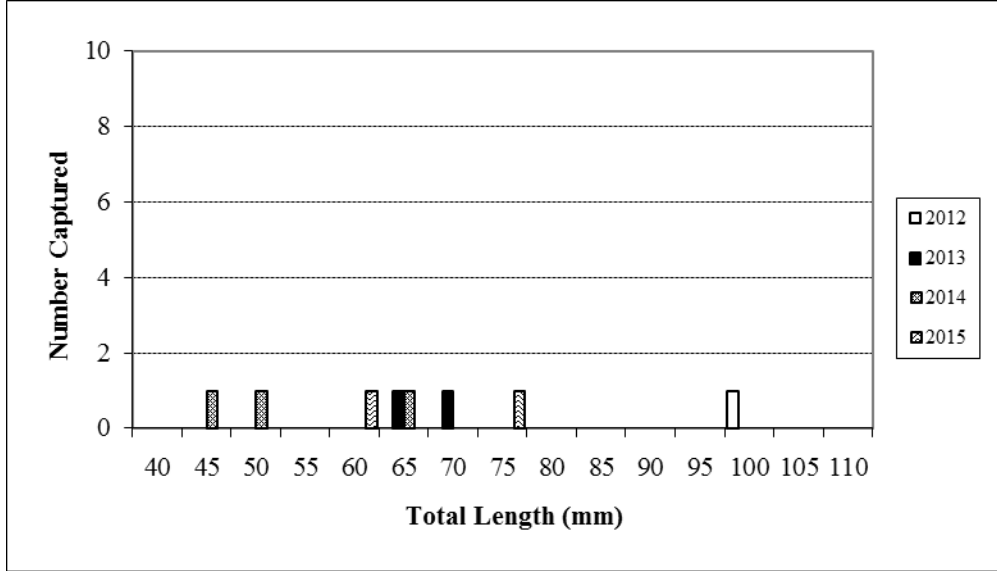


Figure 21b. Length frequency histogram of YOY Largemouth Bass captured at Hubble Islands, Holderness, Big Squam Lake, during the past five years in September. See Table 12 for sample sizes. No YOY Largemouth Bass were captured at this location in 2016.

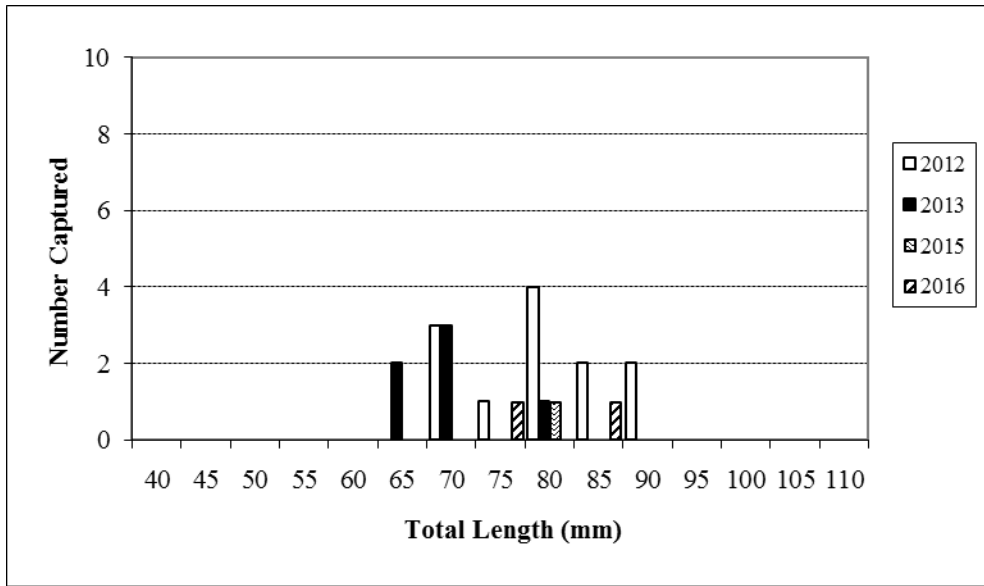


Figure 22a. Length frequency histogram of YOY Smallmouth Bass captured at Kent Island, Moultonborough, Big Squam Lake, during the past five years in September. See Table 11 for sample sizes. No YOY Smallmouth Bass were captured at this location in 2014.

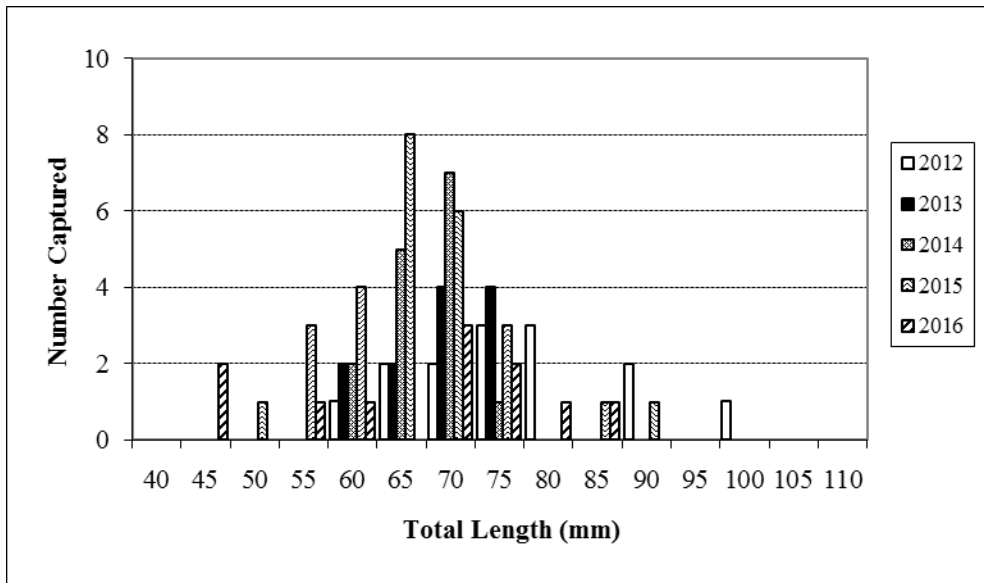


Figure 22b. Length frequency histogram of YOY Largemouth Bass captured at Kent Island, Moultonborough, Big Squam Lake, during the past five years in September. See Table 12 for sample sizes.

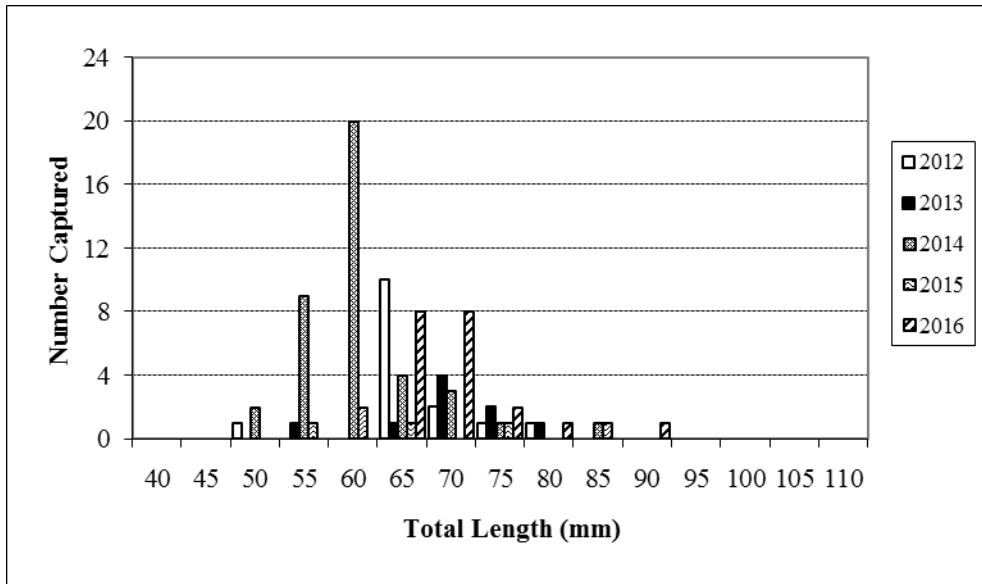


Figure 23. Length frequency histogram of YOY Largemouth Bass captured at Piper Cove, Holderness, Big Squam Lake, during the past five years in September. See Table 12 for sample sizes.

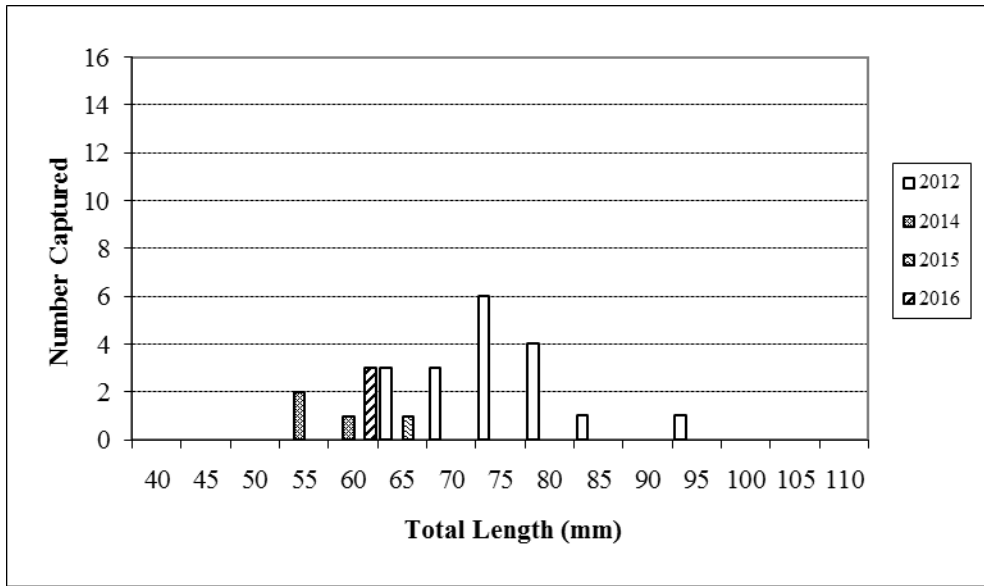


Figure 24a. Length frequency histogram of YOY Smallmouth Bass captured at Potato Island, Holderness, Big Squam Lake, during the past five years in September. See Table 11 for sample sizes. No YOY Smallmouth Bass were captured at this location in 2013.

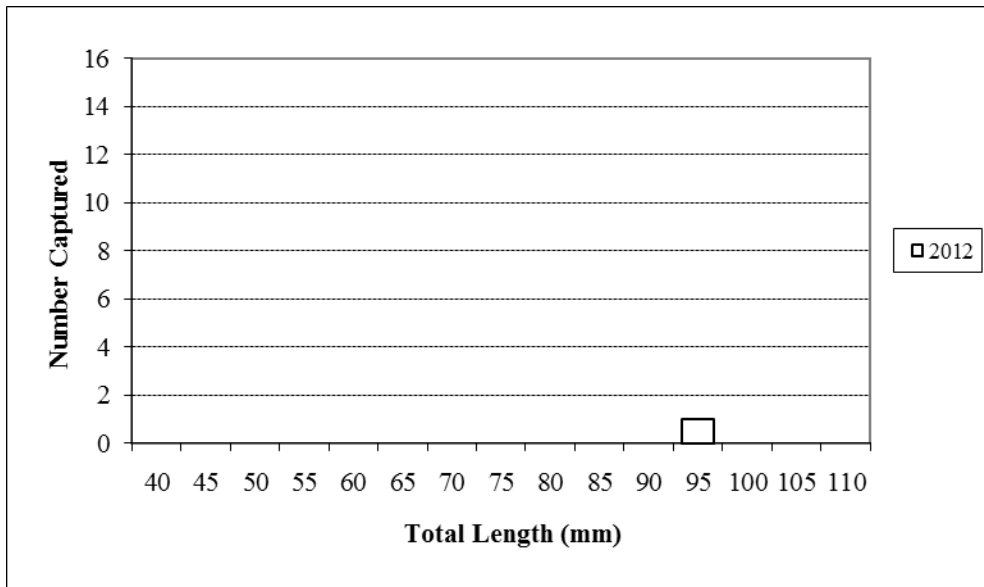


Figure 24b. Length frequency histogram of YOY Largemouth Bass captured at Potato Island, Holderness, Big Squam Lake, during the past five years in September. See Table 12 for sample sizes. No YOY Largemouth Bass were captured at this location in 2013, 2014, 2015, and 2016.

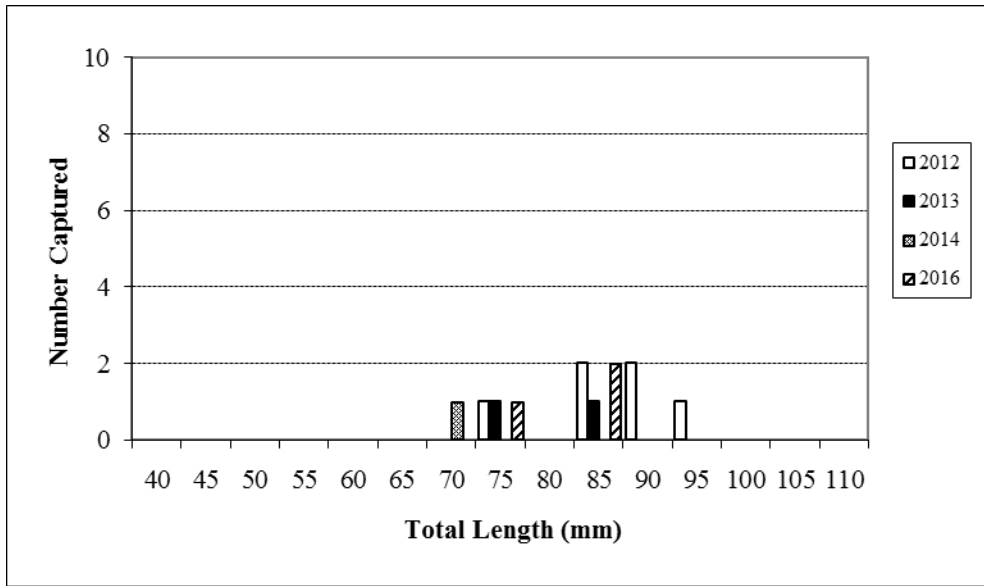


Figure 25a. Length frequency histogram of YOY Smallmouth Bass captured at Yard Islands, Center Harbor, Big Squam Lake, during the past five years in September. See Table 11 for sample sizes. No YOY Smallmouth Bass were captured at this location in 2015.

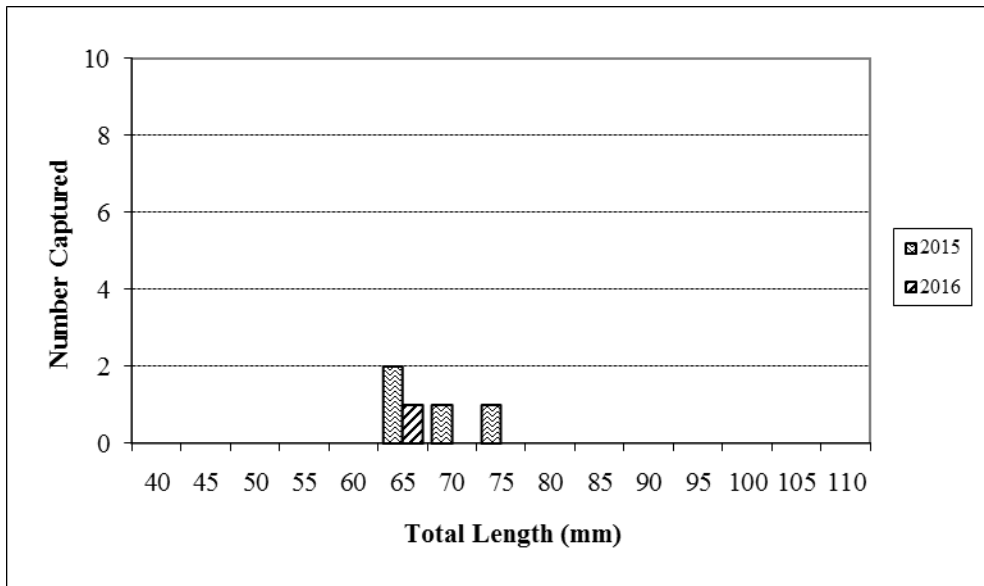


Figure 25b. Length frequency histogram of YOY Largemouth Bass captured at Yard Islands, Center Harbor, Big Squam Lake, during the past five years in September. See Table 12 for sample sizes. No YOY Largemouth Bass were captured at this location in 2012, 2013 and 2014.

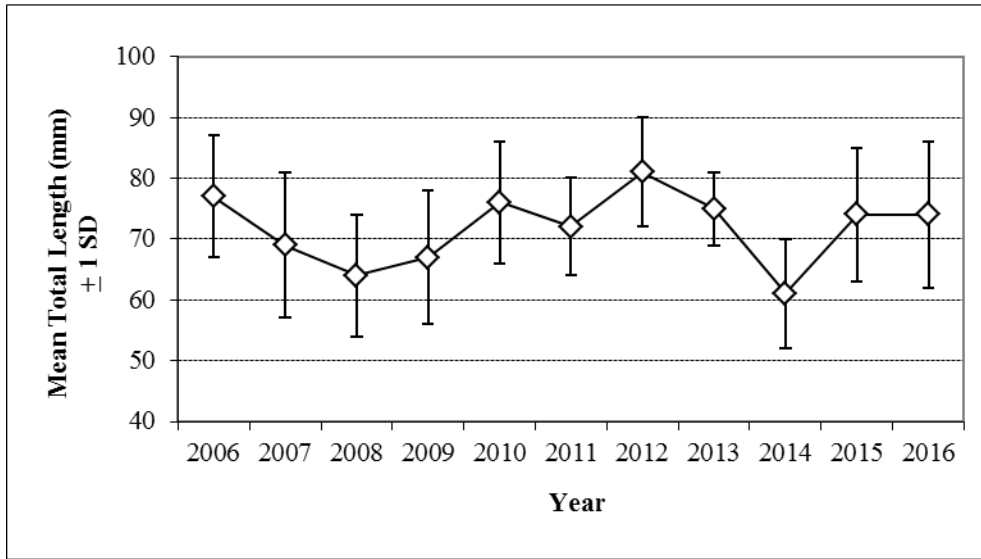


Figure 26. Mean total length (mm; ± 1 SD) of YOY Smallmouth Bass captured in Big Squam Lake (all sites) by year. See Table 11 for sample sizes.

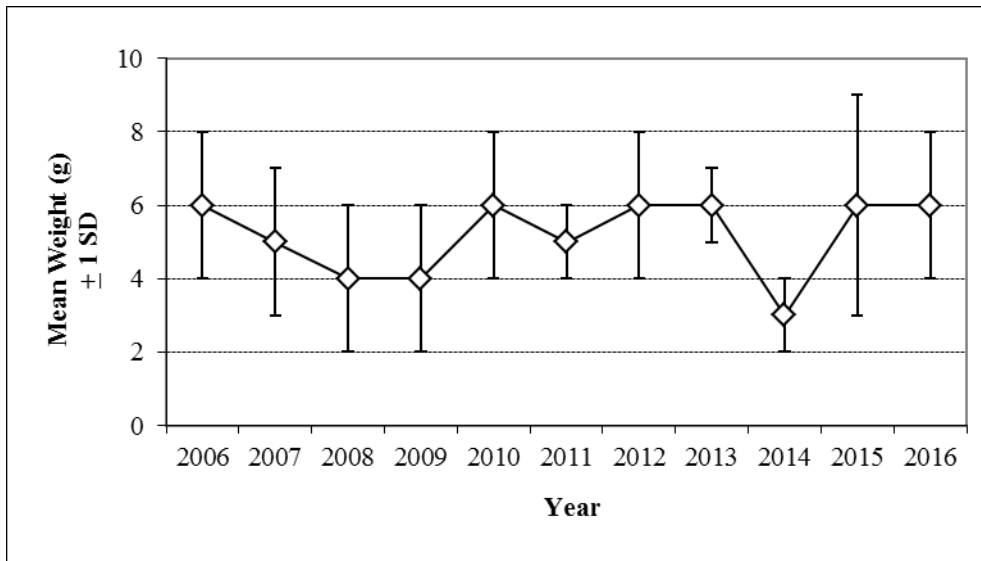


Figure 27. Mean weight (g; ± 1 SD) of YOY Smallmouth Bass captured in Big Squam Lake (all sites) by year. See Table 11 for sample sizes.

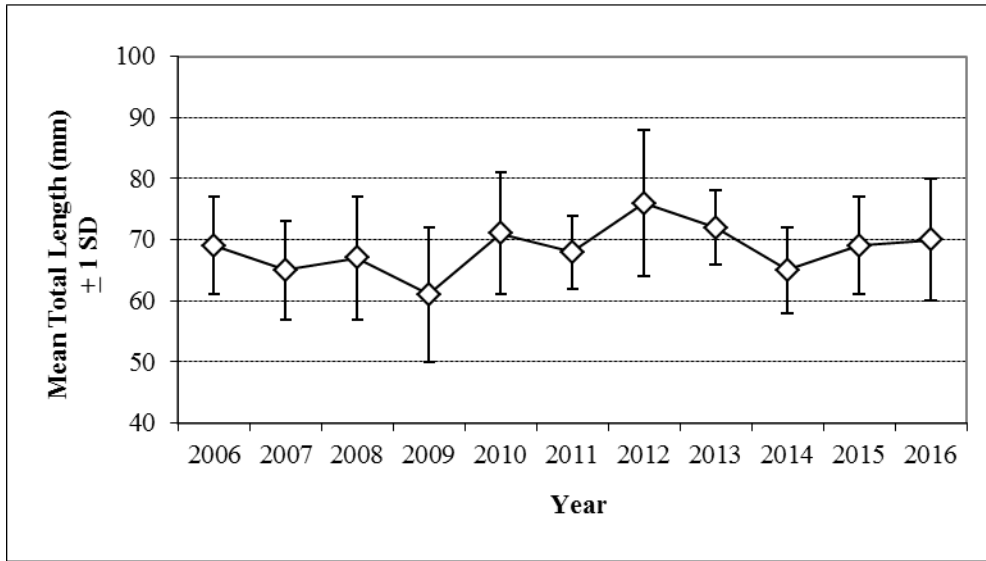


Figure 28. Mean total length (mm; ± 1 SD) of YOY Largemouth Bass captured in Big Squam Lake (all sites) by year. See Table 12 for sample sizes.

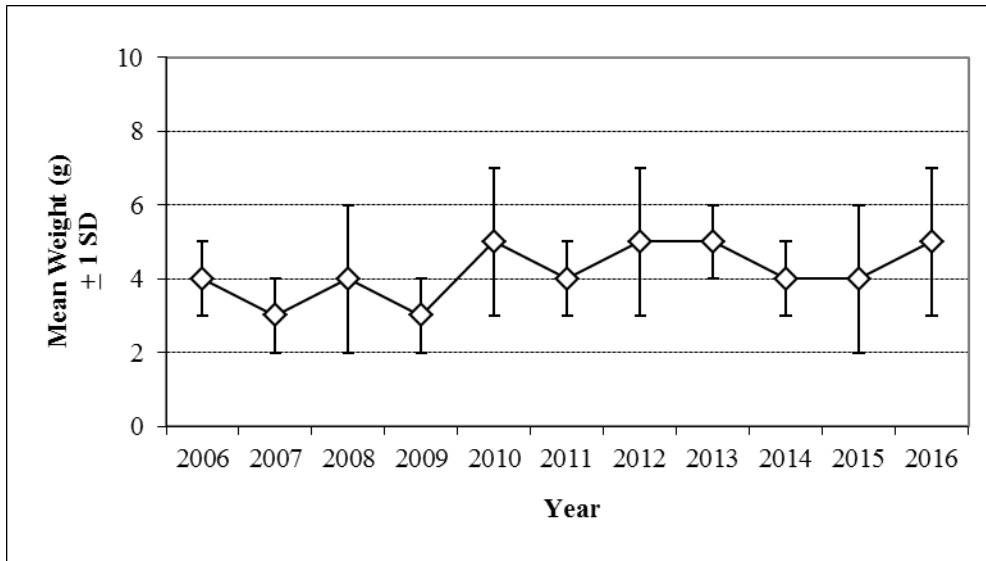


Figure 29. Mean weight (g; ± 1 SD) of YOY Largemouth Bass captured in Big Squam Lake (all sites) by year. See Table 12 for sample sizes.

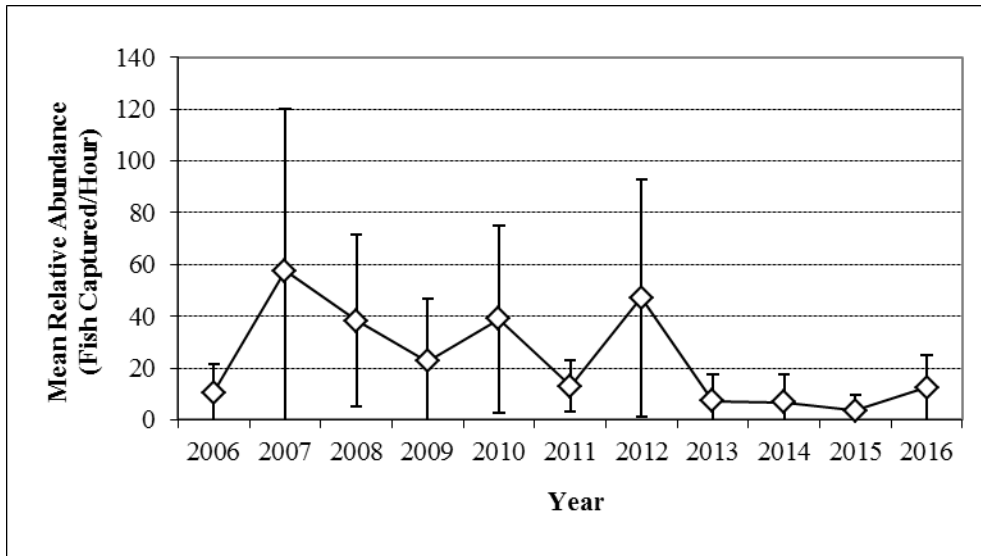


Figure 30. Mean relative abundance (fish/hour; \pm 1 SD) of YOY Smallmouth Bass captured in Big Squam Lake (all sites) by year.

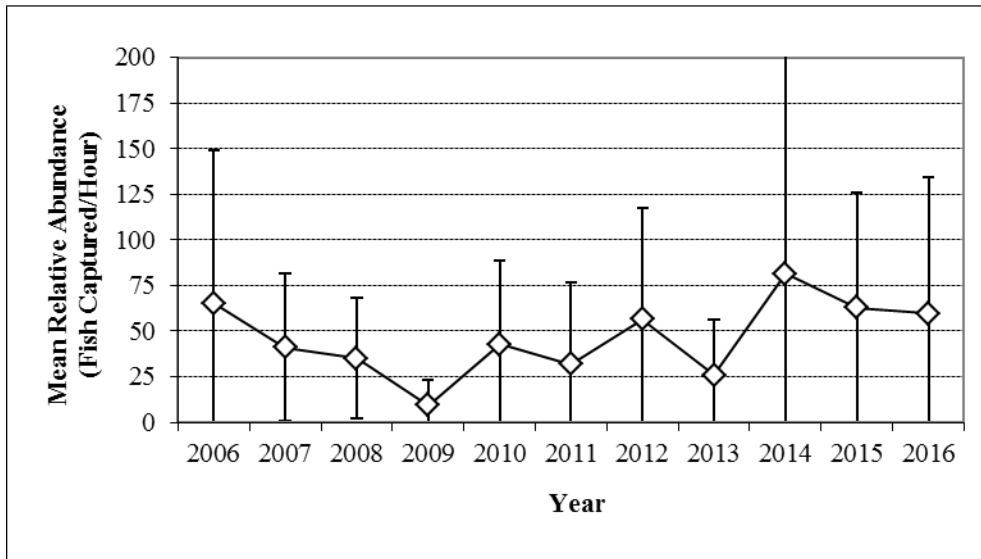


Figure 31. Mean relative abundance (fish/hour; \pm 1 SD) of YOY Largemouth Bass captured in Big Squam Lake (all sites) by year.

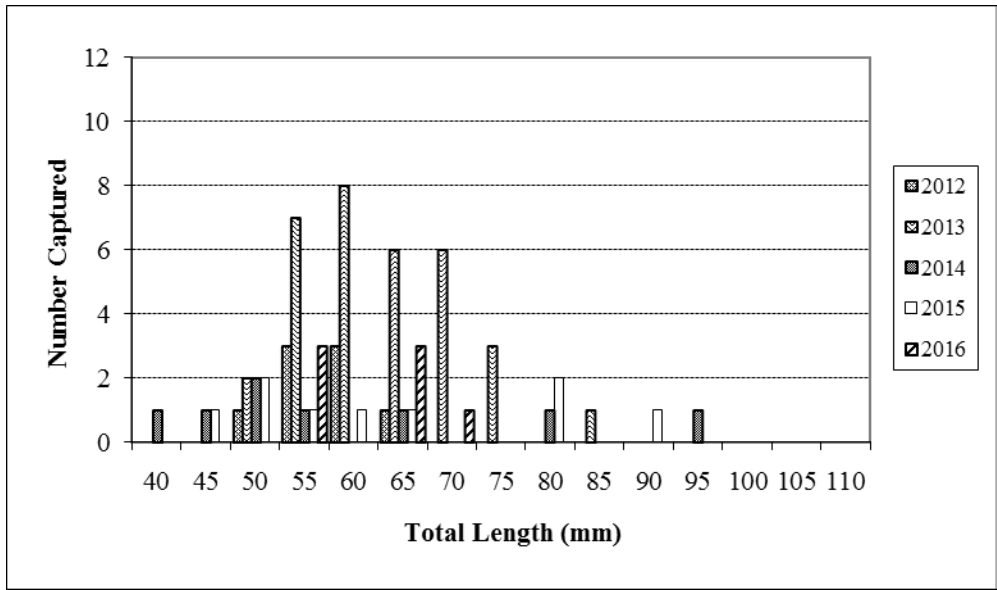


Figure 32. Length frequency histogram of YOY Largemouth Bass captured at Beach, Forest Lake (Dalton/Whitefield), during the past five years in September or October. See Table 16 for sample sizes.

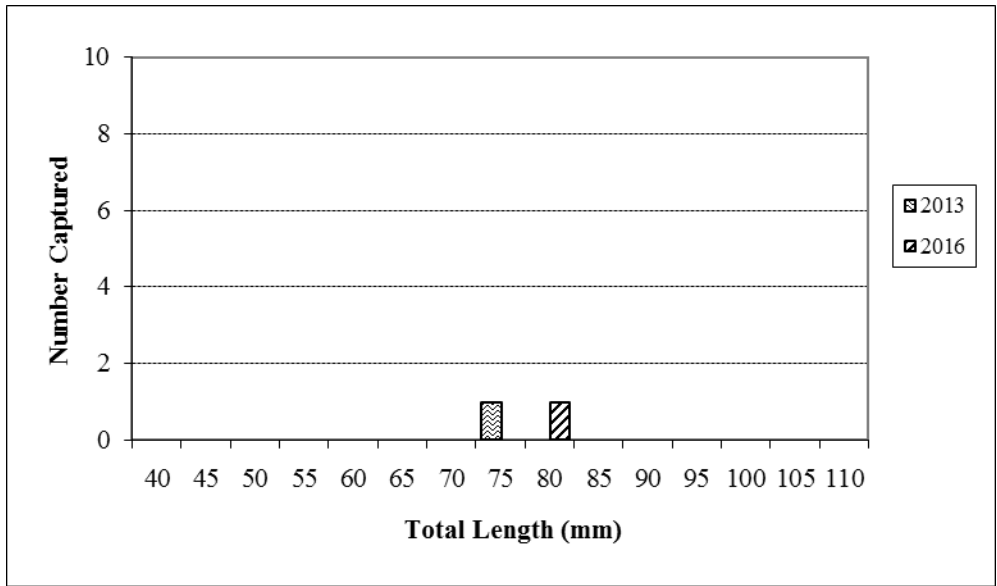


Figure 33a. Length frequency histogram of YOY Smallmouth Bass captured at Island, Forest Lake (Dalton/Whitefield), during the past five years in September or October. See Table 15 for sample sizes. No YOY Smallmouth Bass were captured at this location in 2012, 2014 and 2015.

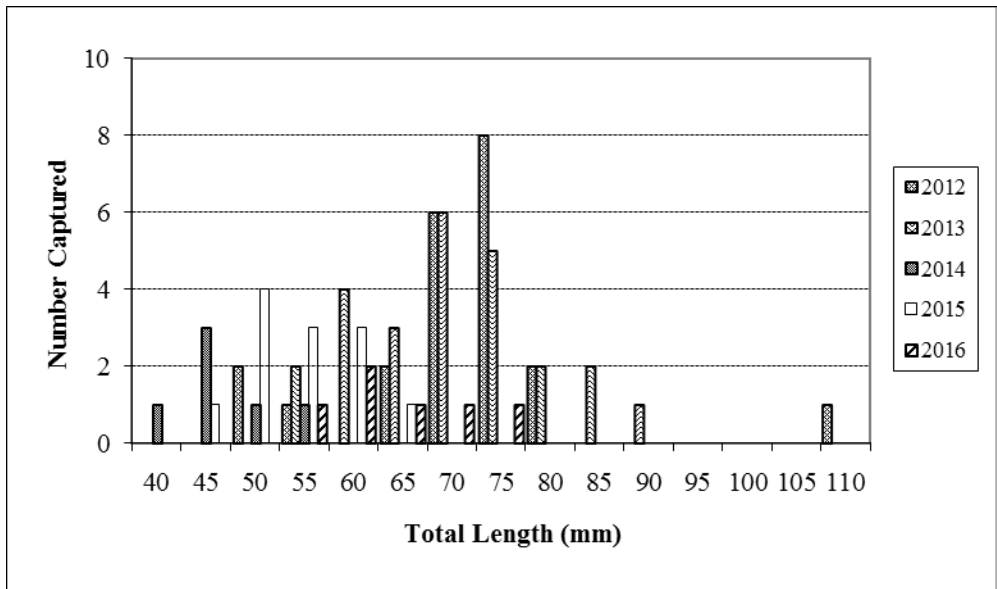


Figure 33b. Length frequency histogram of YOY Largemouth Bass captured at Island, Forest Lake (Dalton/Whitefield), during the past five years in September or October. See Table 16 for sample sizes.

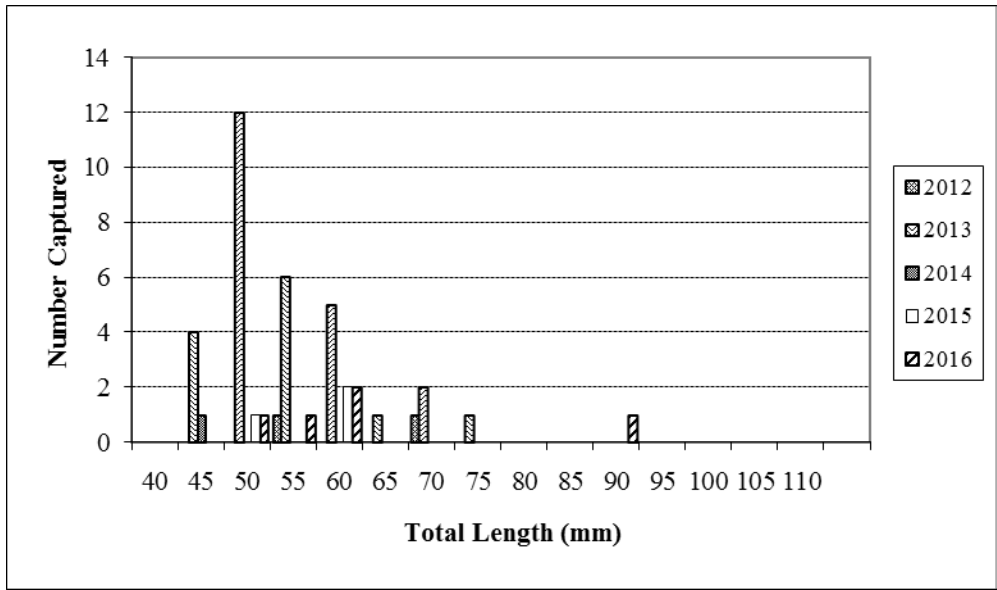


Figure 34. Length frequency histogram of YOY Largemouth Bass captured at Southeast Cove, Forest Lake (Dalton/Whitefield), during the past five years in September or October. See Table 16 for sample sizes

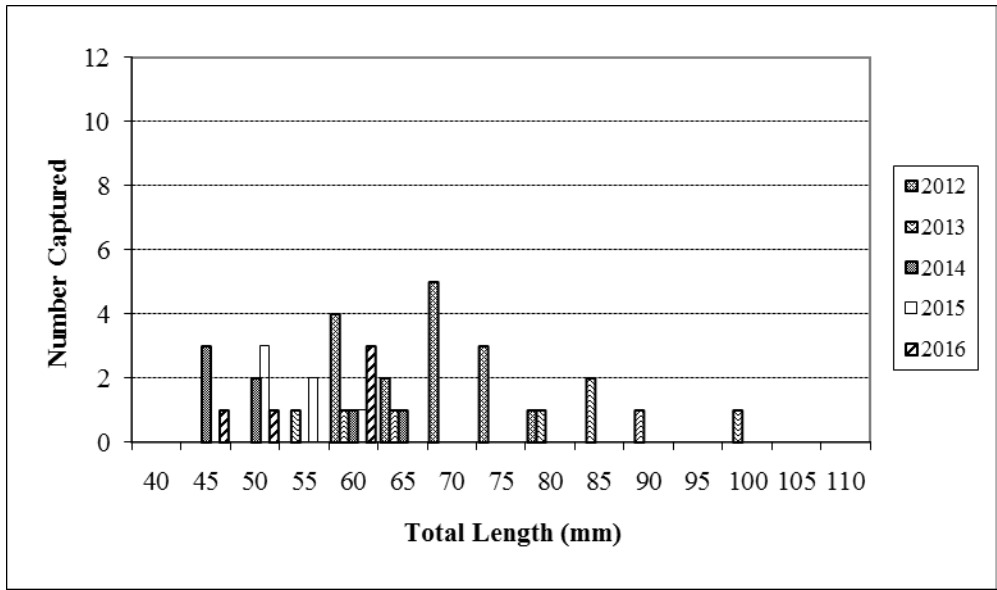


Figure 35. Length frequency histogram of YOY Largemouth Bass captured at Southwest Shore, Forest Lake (Dalton/Whitefield), during the past five years in September or October. See Table 16 for sample sizes.

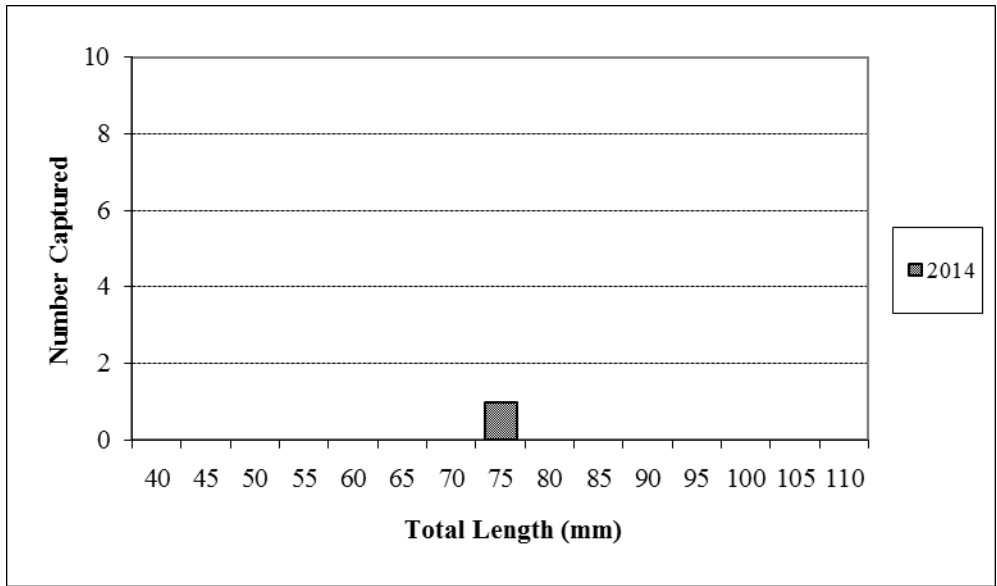


Figure 36a. Length frequency histogram of YOY Smallmouth Bass captured at West Shore, Forest Lake (Dalton/Whitefield), during the past five years in September or October. See Table 15 for sample sizes. No YOY Smallmouth Bass were captured at this location in 2012, 2013, 2015, or 2016.

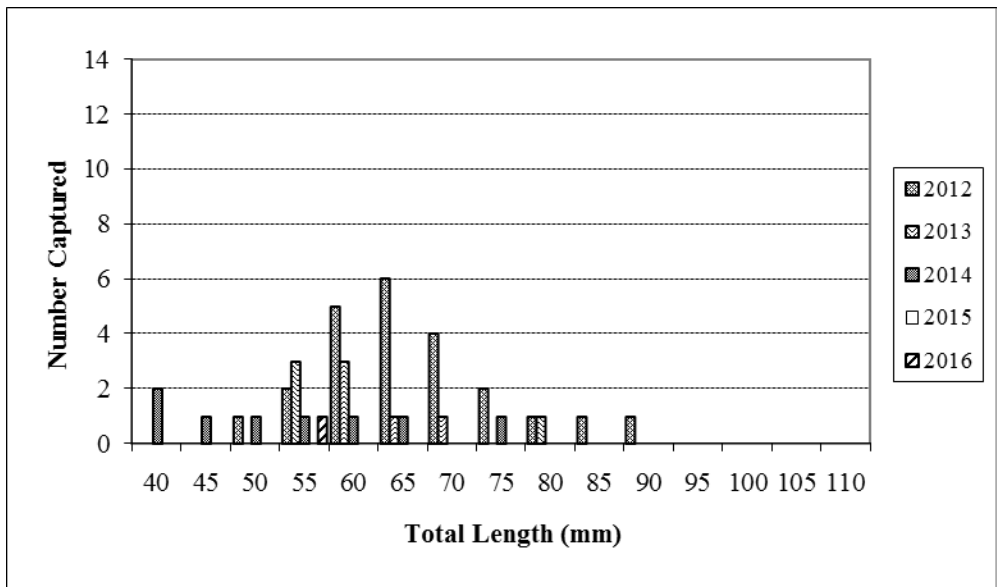


Figure 36b. Length frequency histogram of YOY Largemouth Bass captured at West Shore, Forest Lake (Dalton/Whitefield), during the past five years in September or October. See Table 16 for sample sizes.

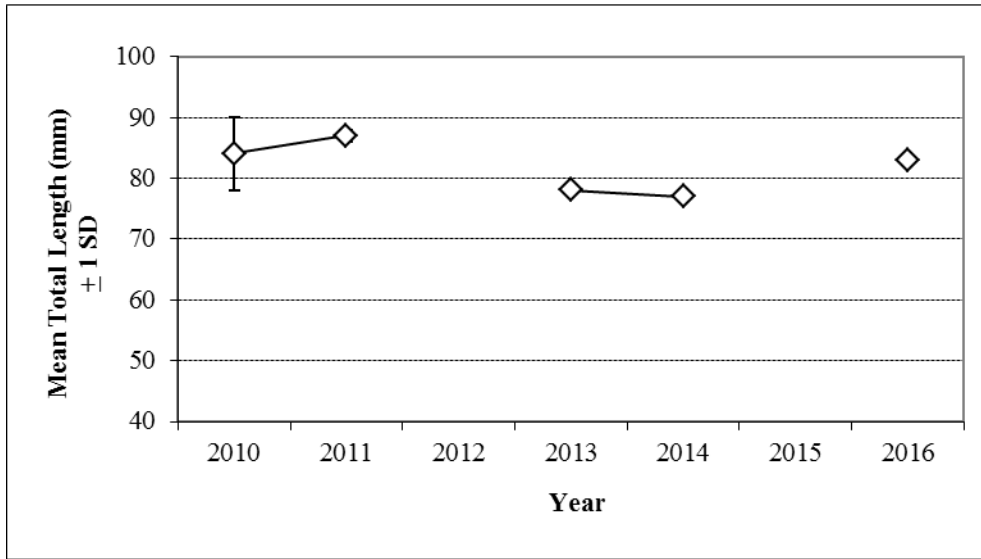


Figure 37. Mean total length (mm; \pm 1 SD) of YOY Smallmouth Bass captured in Forest Lake (Dalton/Whitefield) (all sites) by year. See Table 15 for sample sizes. No YOY Smallmouth Bass were captured in 2012 or 2015.

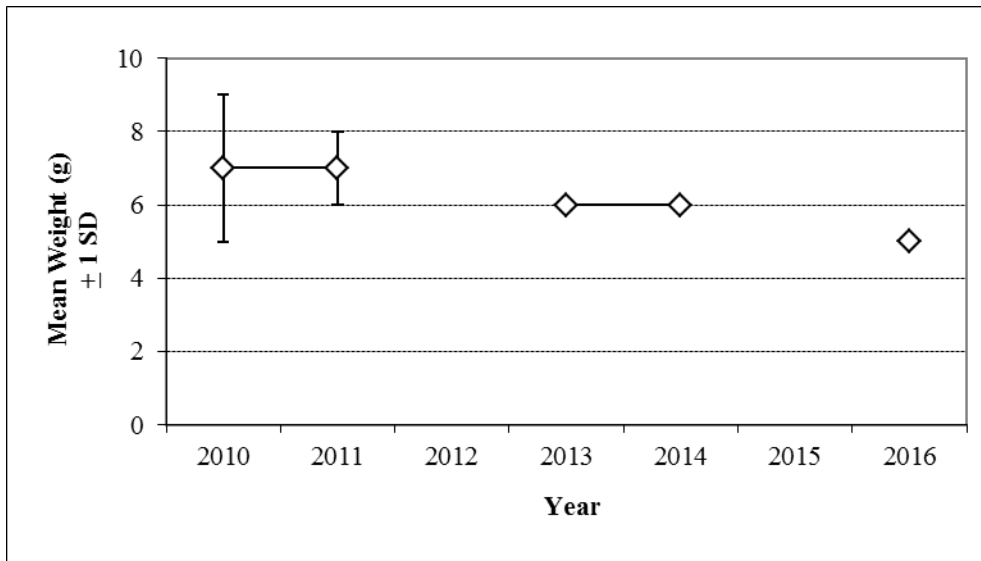


Figure 38. Mean weight (g; \pm 1 SD) of YOY Smallmouth Bass captured in Forest Lake (Dalton/Whitefield) (all sites) by year. See Table 15 for sample sizes. No YOY Smallmouth Bass were captured in 2012 or 2015.

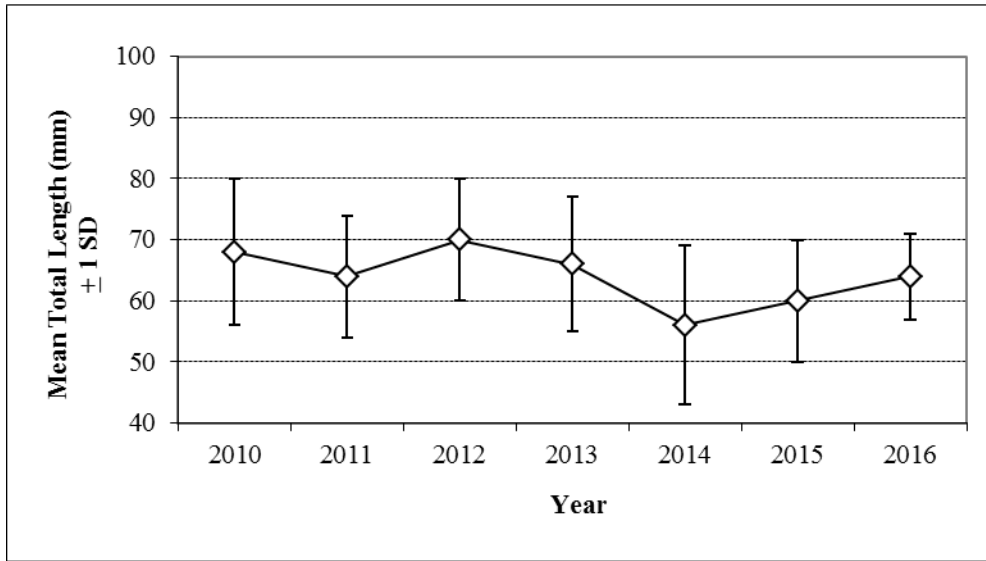


Figure 39. Mean total length (mm; ± 1 SD) of YOY Largemouth Bass captured in Forest Lake (Dalton/Whitefield) (all sites) by year. See Table 16 for sample sizes.

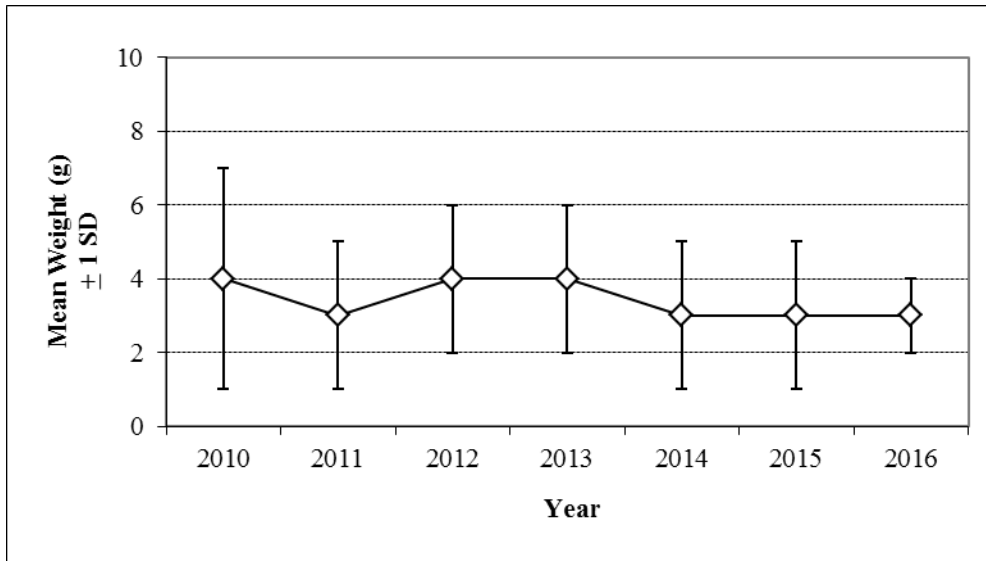


Figure 40. Mean weight (g; ± 1 SD) of YOY Largemouth Bass captured in Forest Lake (Dalton/Whitefield) (all sites) by year. See Table 16 for sample sizes.

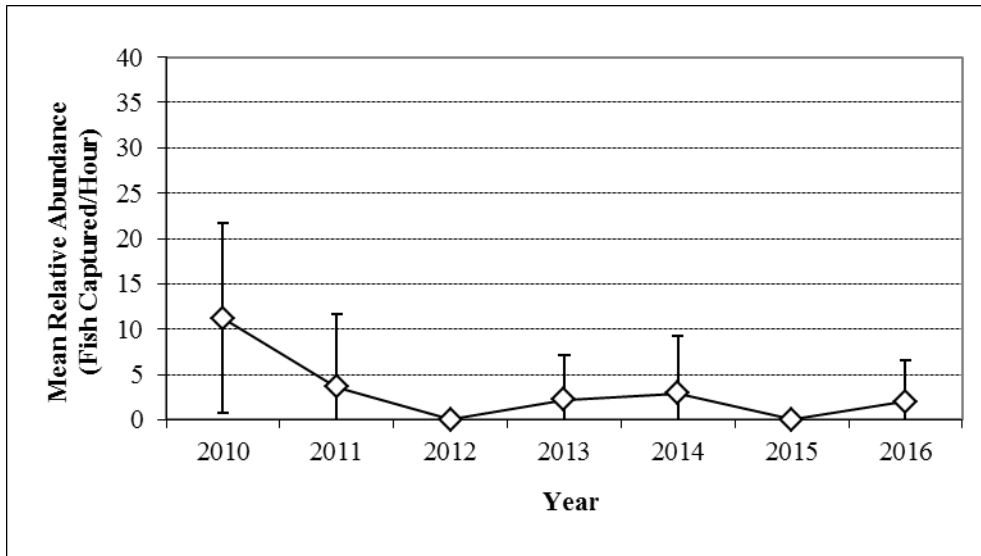


Figure 41. Mean relative abundance (fish/hour; \pm 1 SD) of YOY Smallmouth Bass captured in Forest Lake (Dalton/Whitefield) (all sites) by year.

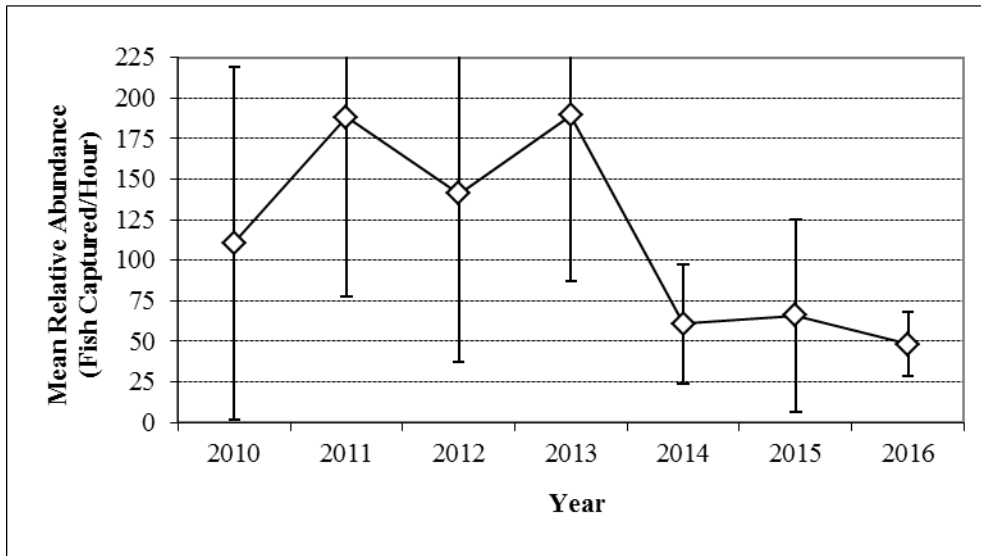


Figure 42. Mean relative abundance (fish/hour; \pm 1 SD) of YOY Largemouth Bass captured in Forest Lake (Dalton/Whitefield) (all sites) by year.

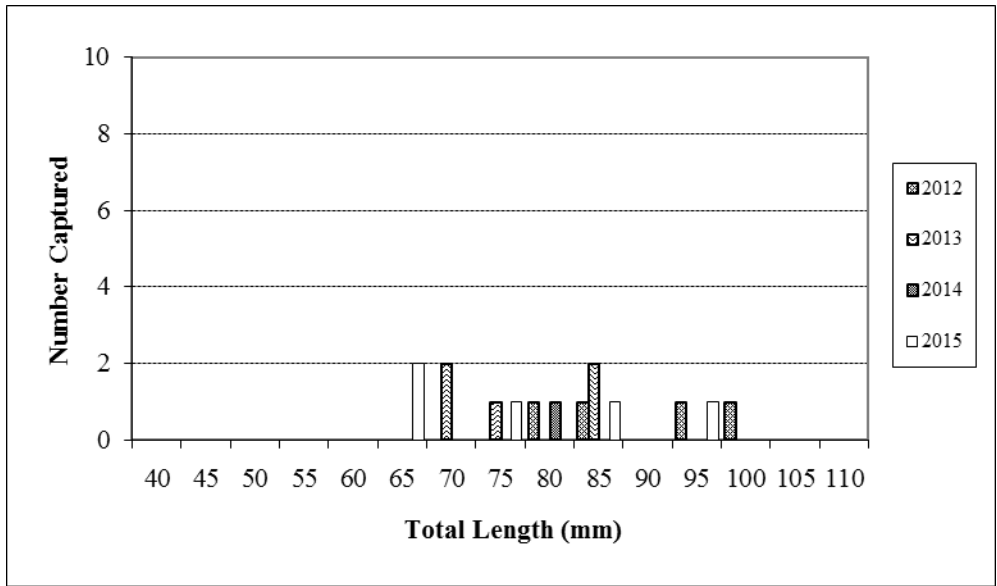


Figure 43a. Length frequency histogram of YOY Smallmouth Bass captured at Boys Camp, Spofford Lake, during the past five years in September or October. See Table 19 for sample sizes. No YOY Smallmouth Bass were captured at this location in 2016.

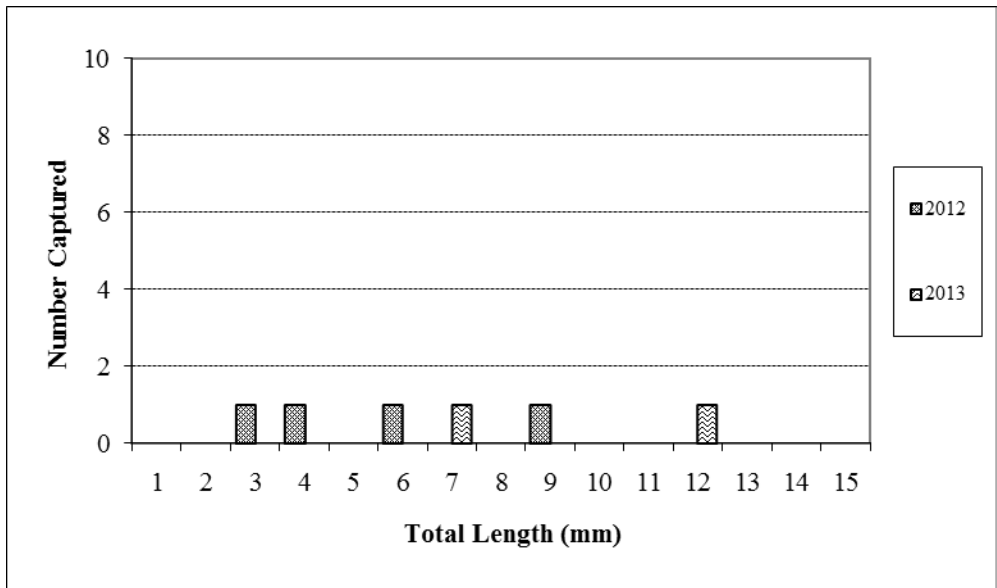


Figure 43b. Length frequency histogram of YOY Largemouth Bass captured at Boys Camp, Spofford Lake, during the past five years in September or October. See Table 20 for sample sizes. No YOY Largemouth Bass were captured at this location in 2014, 2015, or 2016.

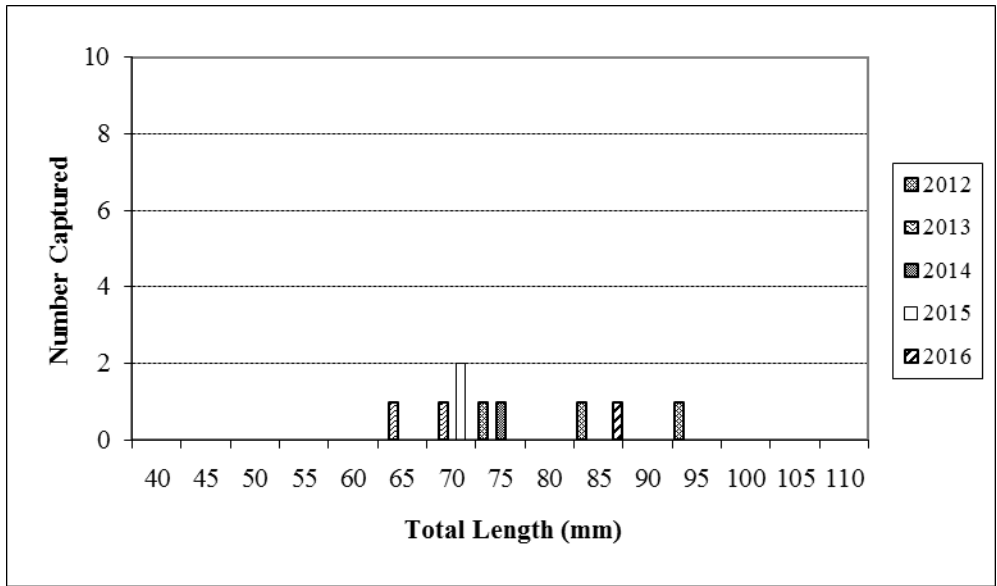


Figure 44. Length frequency histogram of YOY Smallmouth Bass captured at Dinsmoor, Spofford Lake, during the past five years in September or October. See Table 19 for sample sizes.

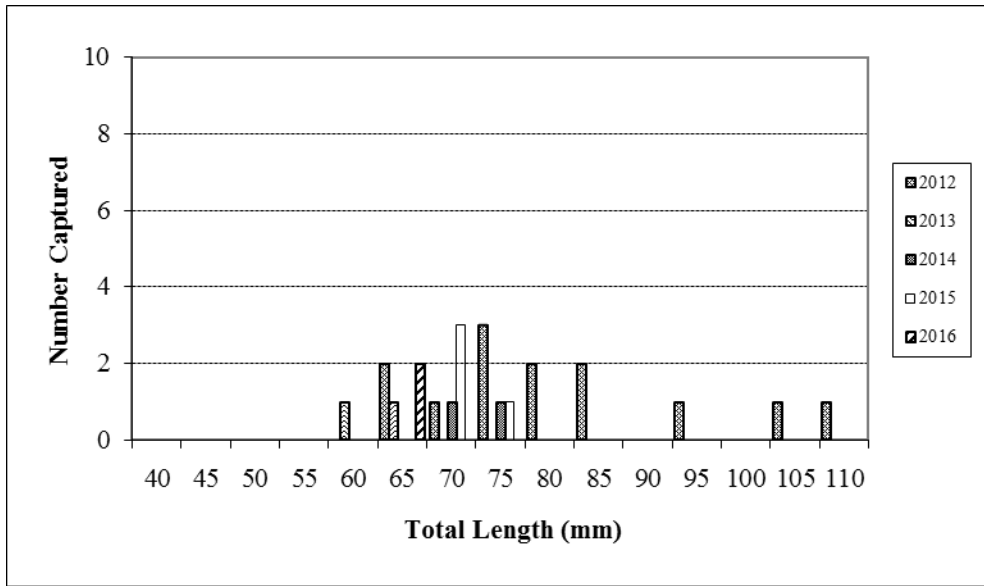


Figure 45a. Length frequency histogram of YOY Smallmouth Bass captured at Outlet Bay, Spofford Lake, during the past five years in September or October. See Table 19 for sample sizes.

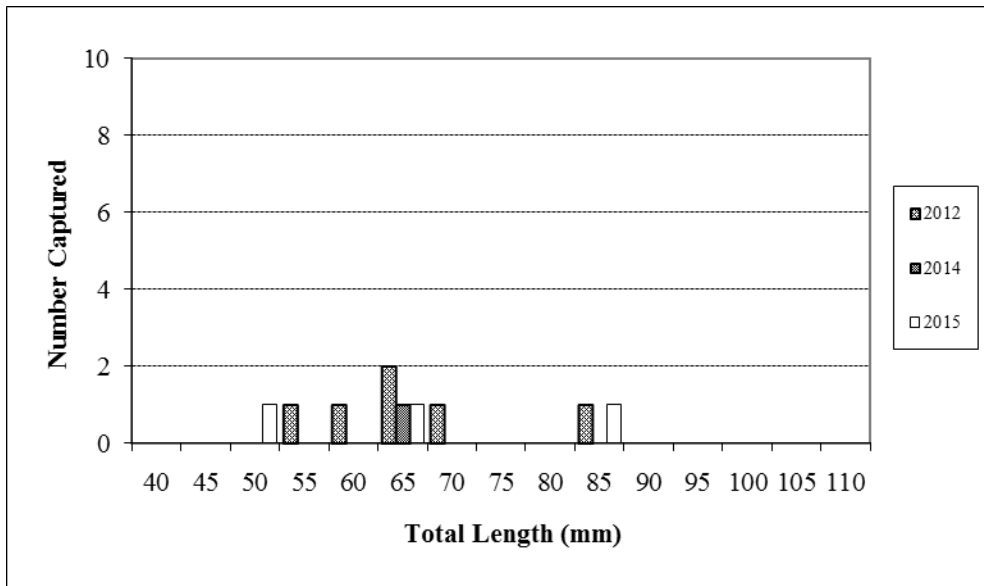


Figure 45b. Length frequency histogram of YOY Largemouth Bass captured at Outlet Bay, Spofford Lake, during the past five years in September or October. See Table 20 for sample sizes. No YOY Largemouth Bass were captured at this location in 2013 or 2016.

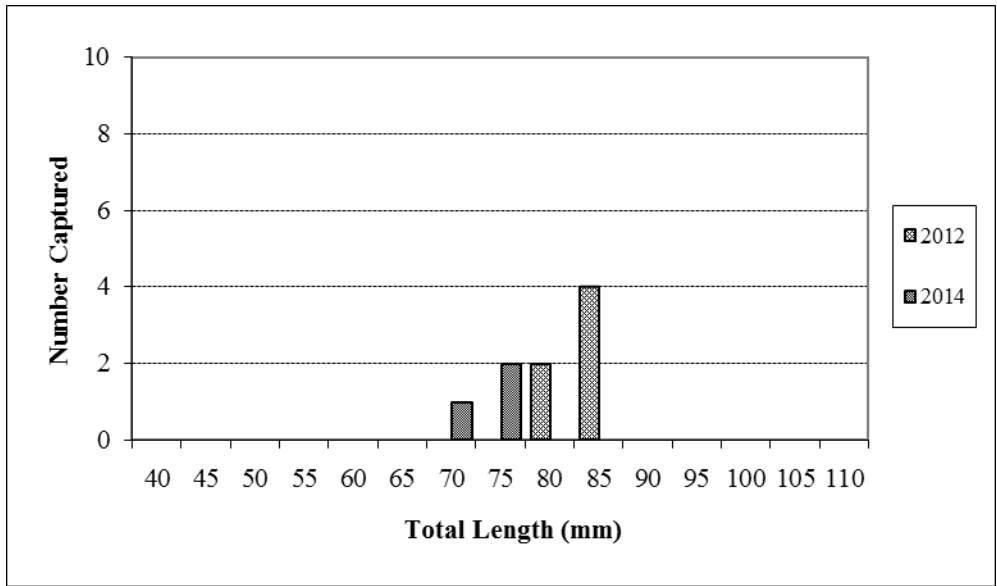


Figure 46a. Length frequency histogram of YOY Smallmouth Bass captured at Pierce Island, Spofford Lake, during the past five years in September or October. See Table 19 for sample sizes. No YOY Smallmouth Bass were captured at this location in 2013, 2015, or 2016.

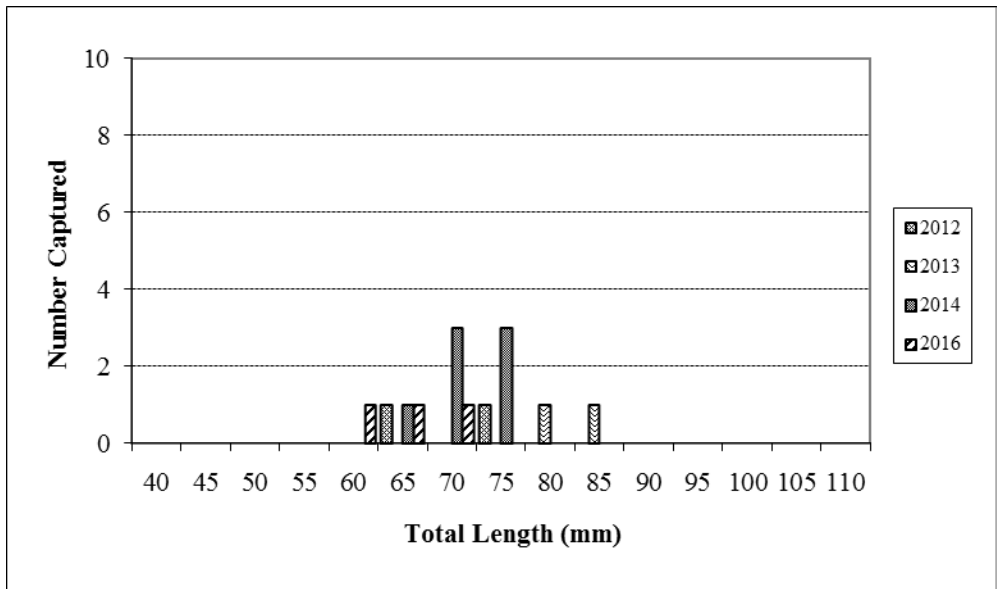


Figure 46b. Length frequency histogram of YOY Largemouth Bass captured at Pierce Island, Spofford Lake, during the past five years in September or October. See Table 20 for sample sizes. No YOY Largemouth Bass were captured at this location in 2015.

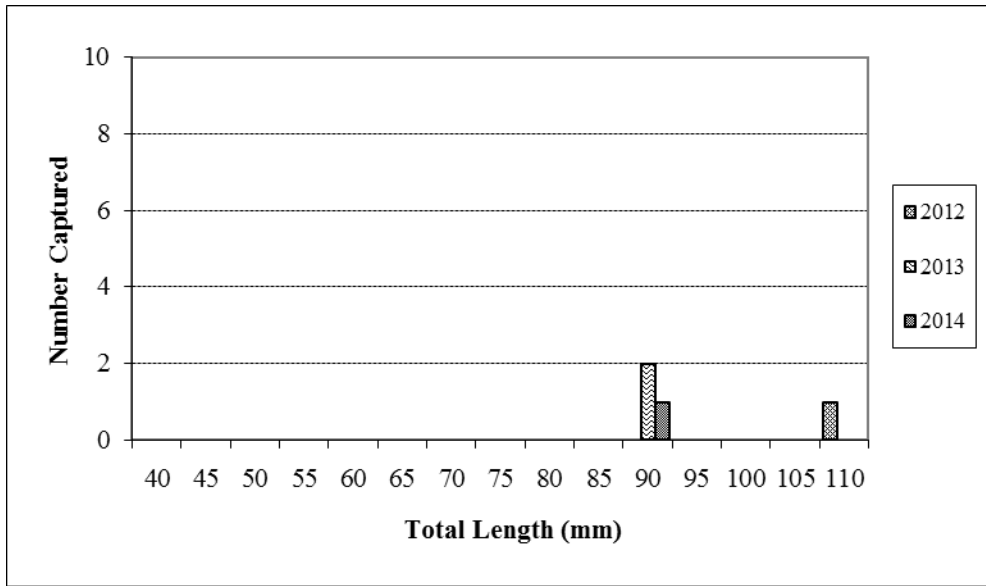


Figure 47a. Length frequency histogram of YOY Smallmouth Bass captured at Route 63, Spofford Lake, during the past five years in September or October. See Table 19 for sample sizes. No YOY Smallmouth Bass were captured at this location in 2015 or 2016.

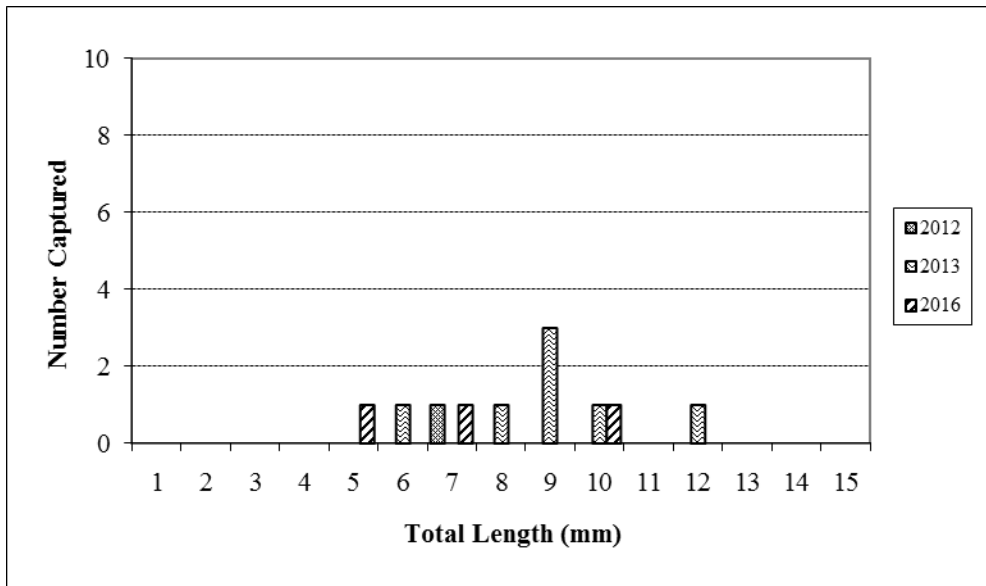


Figure 47b. Length frequency histogram of YOY Largemouth Bass captured at Route 63, Spofford Lake, during the past five years in September or October. See Table 20 for sample sizes. No YOY Largemouth Bass were captured at this location in 2014 or 2015.

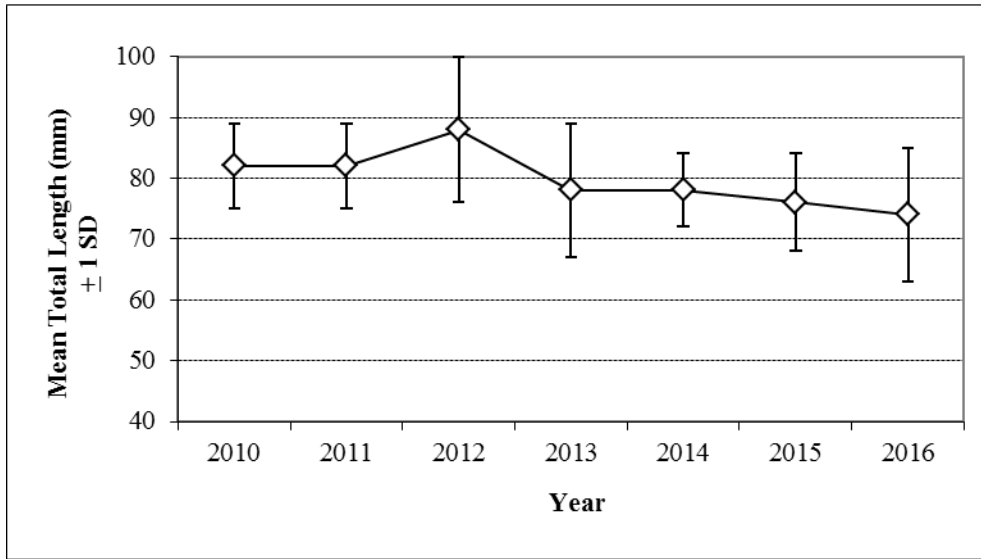


Figure 48. Mean total length (mm; ± 1 SD) of YOY Smallmouth Bass captured in Spofford Lake (all sites) by year. See Table 19 for sample sizes.

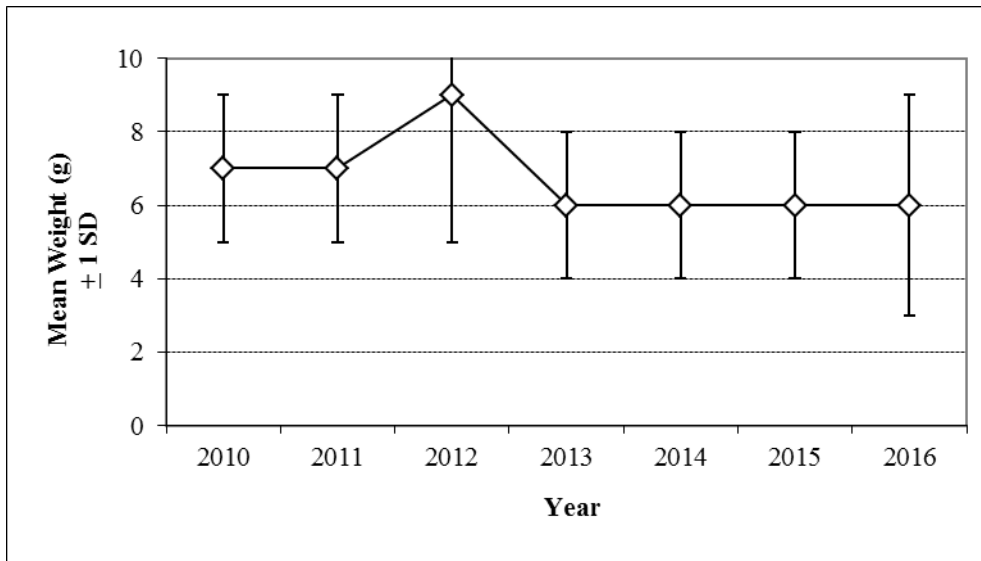


Figure 49. Mean weight (g; ± 1 SD) of YOY Smallmouth Bass captured in Spofford Lake (all sites) by year. See Table 19 for sample sizes.

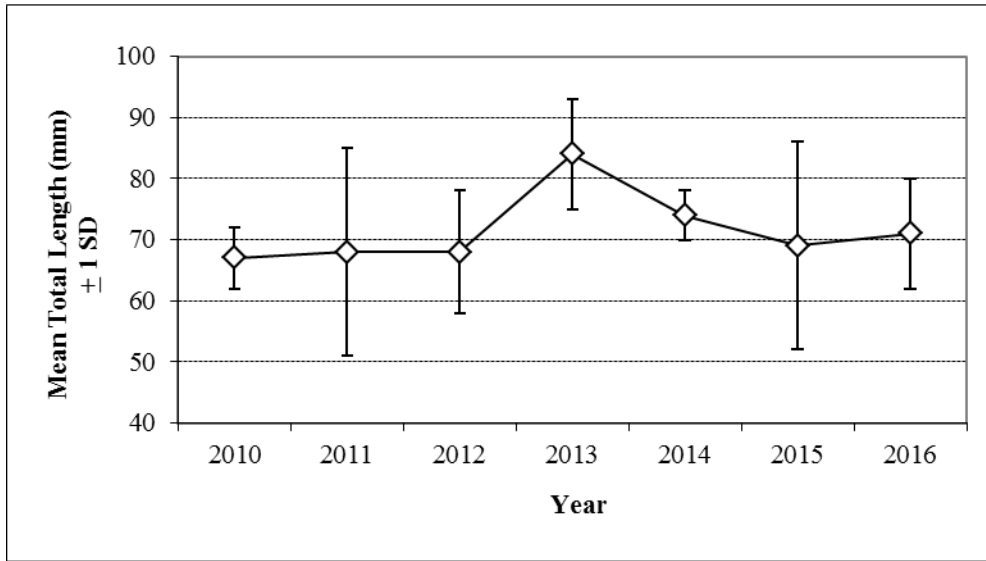


Figure 50. Mean total length (mm; \pm 1 SD) of YOY Largemouth Bass captured in Spofford Lake (all sites) by year. See Table 20 for sample sizes.

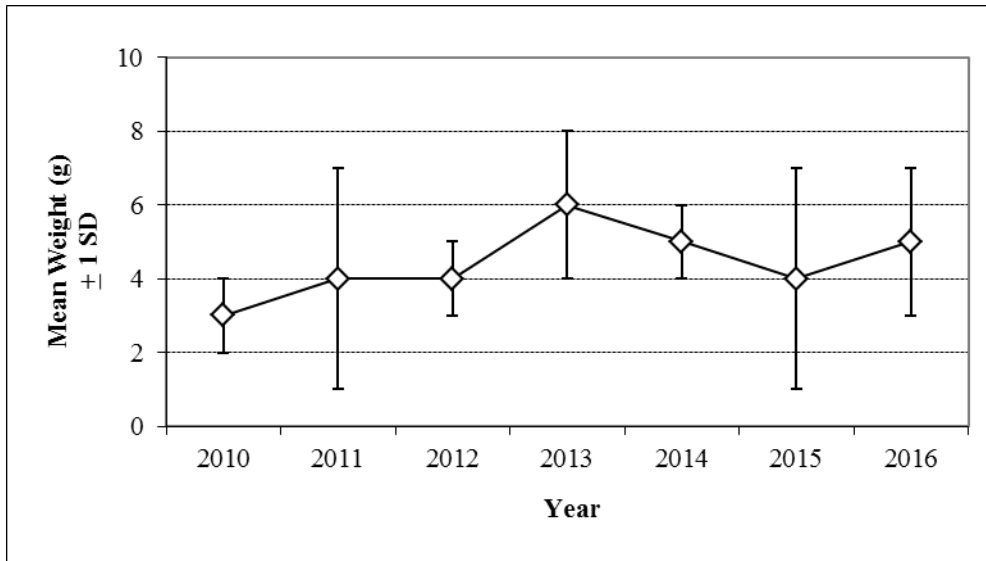


Figure 51. Mean weight (g; \pm 1 SD) of YOY Largemouth Bass captured in Spofford Lake (all sites) by year. See Table 20 for sample sizes.

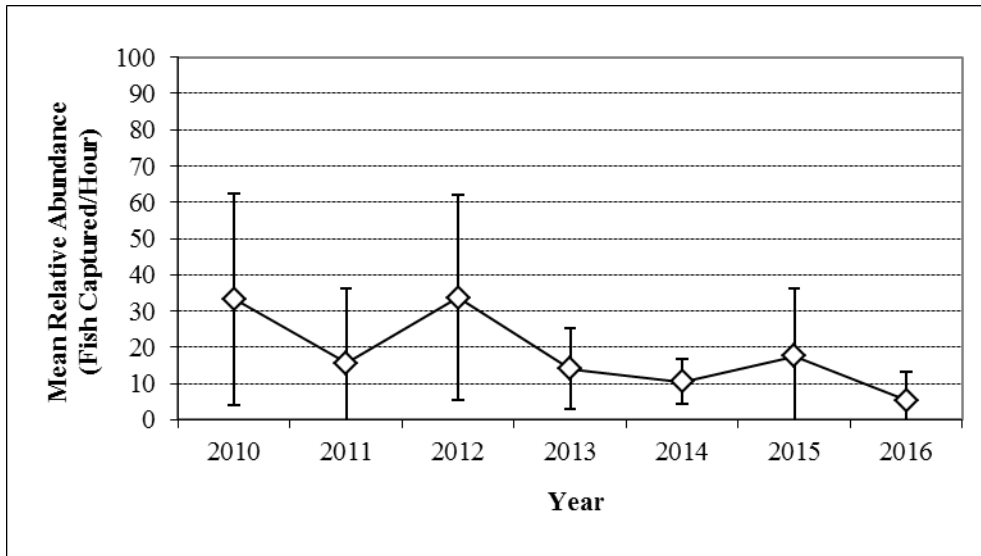


Figure 52. Mean relative abundance (fish/hour; \pm 1 SD) of YOY Smallmouth Bass captured in Spofford Lake (all sites) by year.

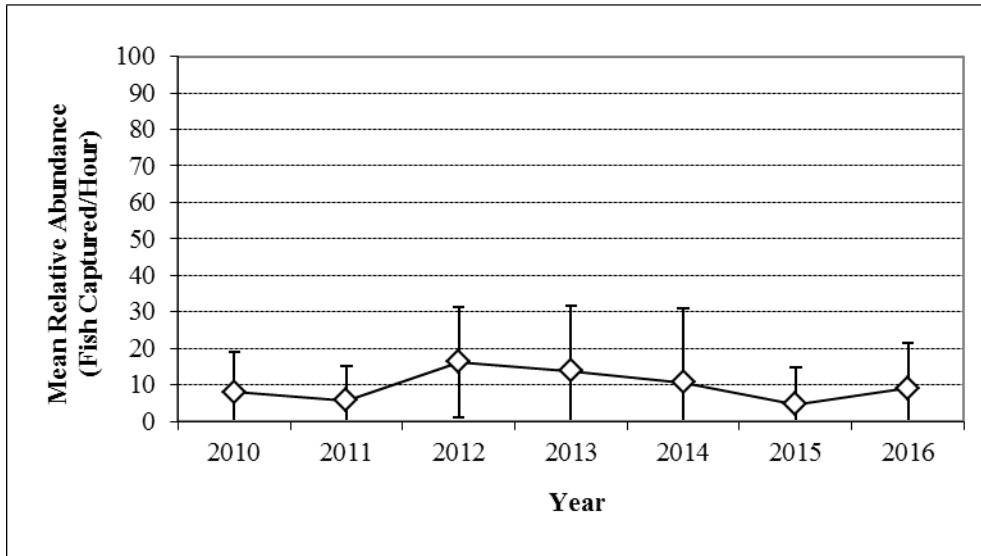


Figure 53. Mean relative abundance (fish/hour; \pm 1 SD) of YOY Largemouth Bass captured in Spofford Lake (all sites) by year.

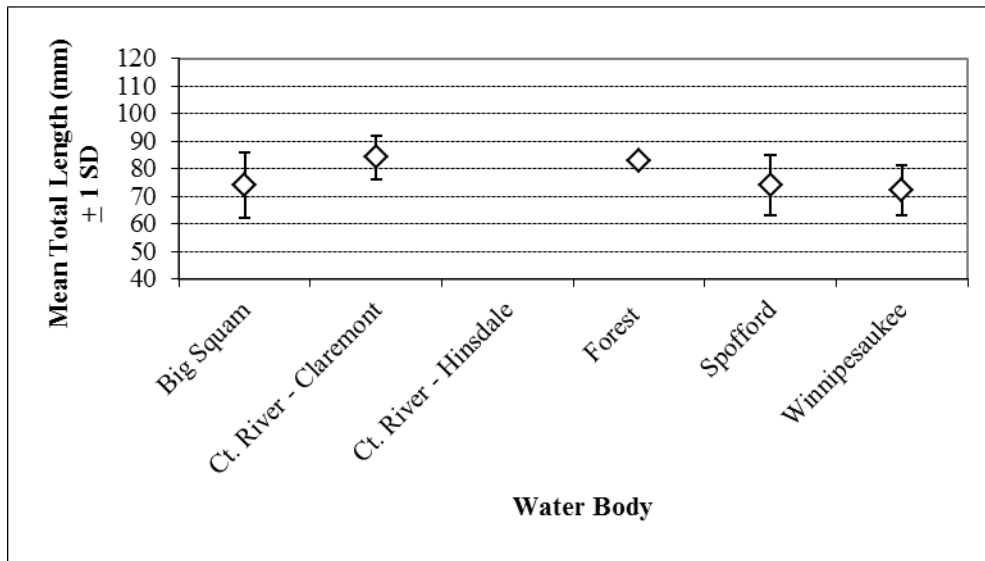


Figure 54. Mean total length (mm; + 1 SD) of YOY Smallmouth Bass captured by water body (all sites) in 2016. See Table 3, 7, 11, 15 and 19 for sample sizes. Connecticut River Hinsdale Reach was not sampled in 2016.

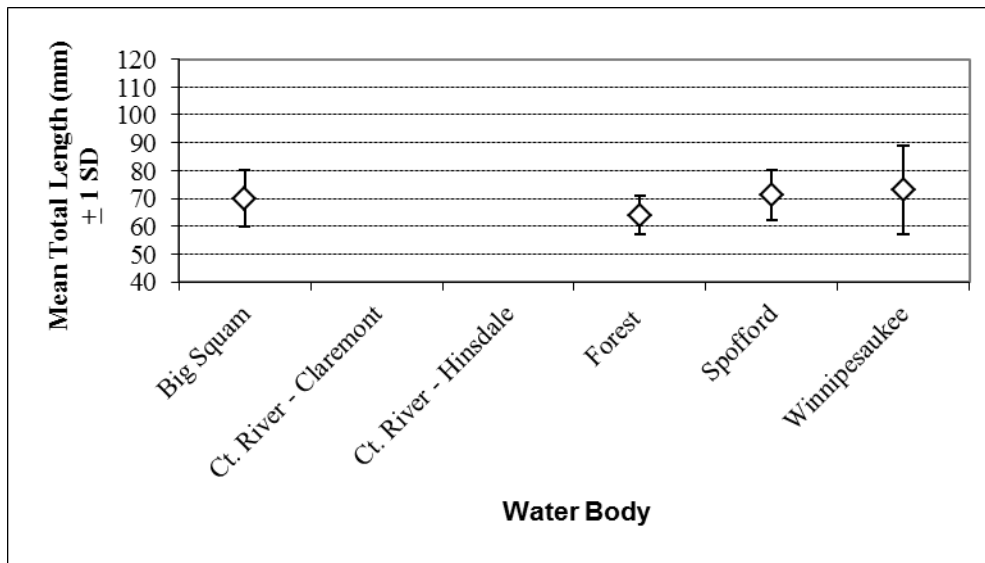


Figure 55. Mean total length (mm; + 1 SD) of YOY Largemouth Bass captured by water body (all sites) in 2016. See Table 4, 8, 12, 16 and 20 for sample sizes. No YOY Largemouth Bass were sampled in the Connecticut River Claremont Reach. Connecticut River Hinsdale Reach was not sampled in 2016.

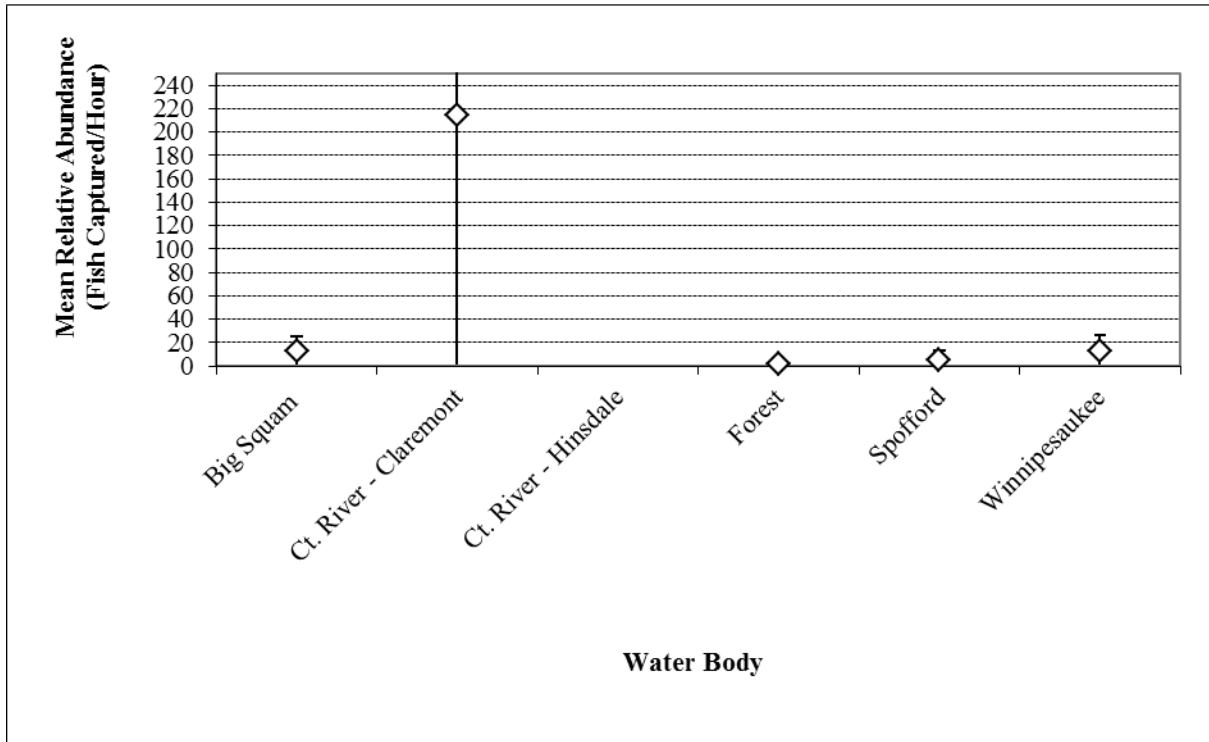


Figure 56. Mean relative abundance (fish/hour; + 1 SD) of YOY Smallmouth Bass captured by water body (all sites) in 2016. Connecticut River Hinsdale Reach was not sampled in 2016.

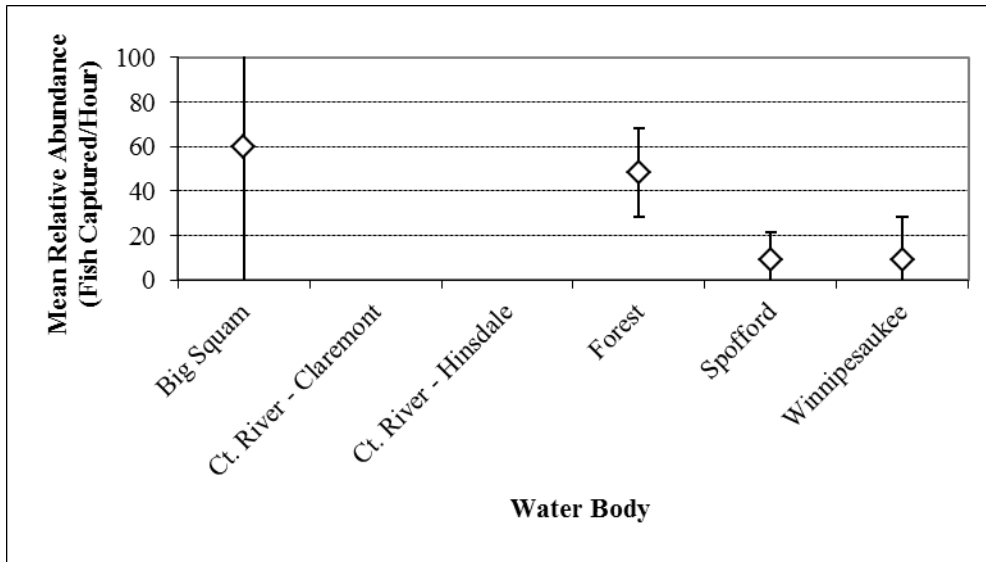


Figure 57. Mean relative abundance (fish/hour; + 1 SD) of YOY Largemouth Bass captured by water body (all sites) in 2016. Connecticut River Hinsdale Reach was not sampled in 2016.