

The following contains various summaries of data collected for striped bass at Smith Mountain Lake. Most of the data is from the angler diary program that you contributed and provides DGIF with very valuable data that cannot be collected without your assistance. We were not able to sample striped bass in 2013 with gill nets due to manpower shortages so angler data was all we had in 2013. Thank you for your participation and the information you provided to better manage the lakes fishery.

Dan Wilson

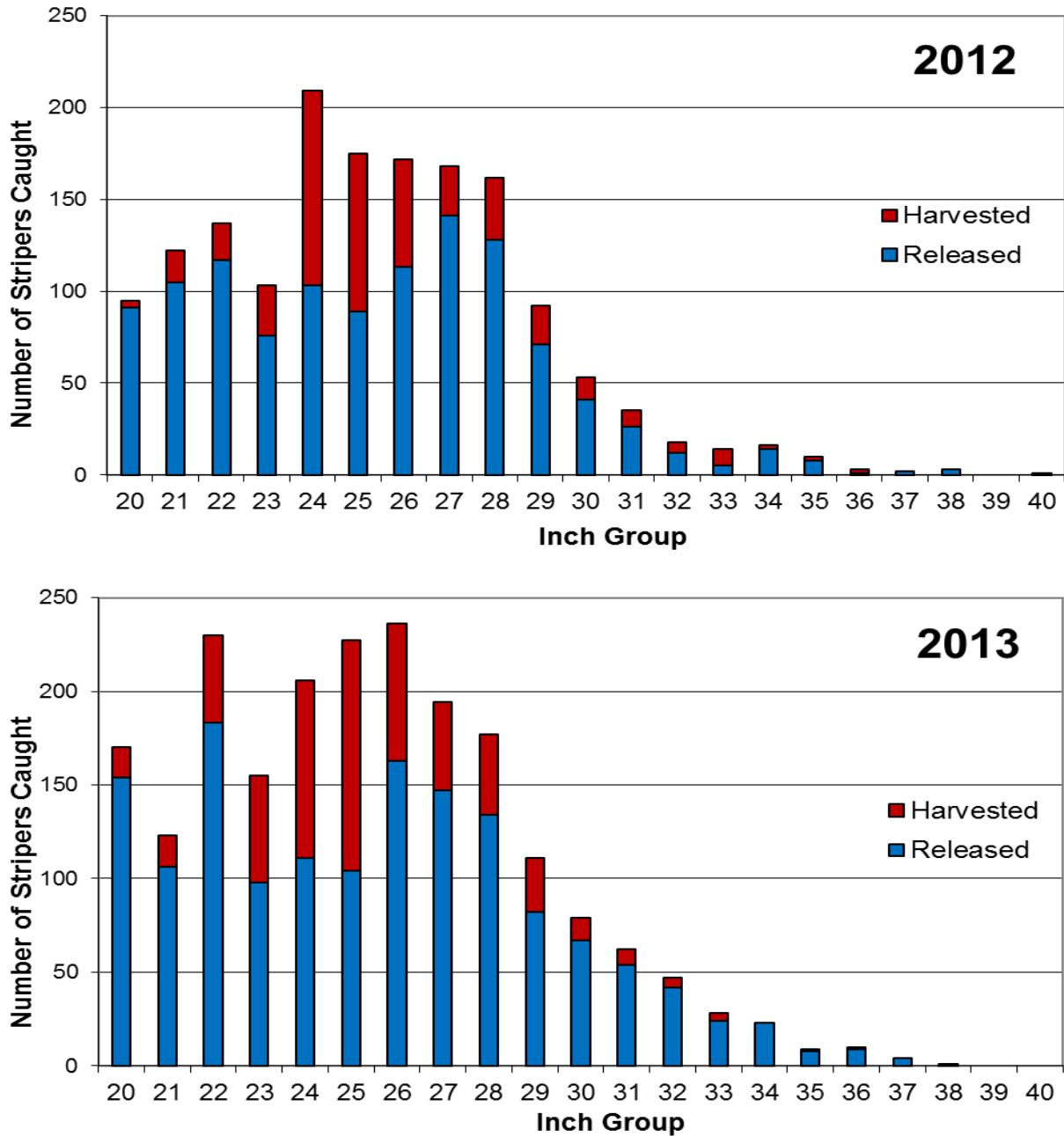


Figure 1. Striped bass data collected from Smith Mountain Lake angler diaries in 2012 and 2013. Each bar represents the number of striped bass caught between 20-40 inches and what portion was harvested and released. As an example; approximately 170 fish (20 inches long) were recorded in the diaries with about 20 of those harvested in 2013.

Table 1. Striped bass stocking and gill net data for one 1½ year old striped bass collected at Smith Mountain Lake. Striped bass were collected in nets 1½ years after stocking. Survival rating provides an estimate of how well each stocking survived from stocking to 1½ years old. This is the best age for capture in nets and once striped bass reach this age, they have overcome most environmental hurdles that limit their survival. NA = not available

Year Stocked	# Stocked	Age-1½ STB/net	Survival Rating
2013	351,219	NA	NA
2012	350,658	NA	NA
2011	327,511	19.2	Excellent
2010	358,138	22.9	Excellent
2009	268,826	6.6	Fair
2008	400,334	16.9	Good
2007	410,423	12.9	Good
2006	349,963	19.3	Excellent
2005	354,455	2.8	Poor
2004	451,374	10.2	Fair
2003	252,550	14.8	Excellent
2002	460,000	8.1	Poor
2001	461,023	10.0	Fair
2000	459,996	13.8	Good
1999	450,769	8.2	Poor

Table 2. Smith Mountain Lake striped bass growth data collected with VDGIF with gill nets. The table shows average striped bass lengths (in inches) for the three age groups each year.

Year	Age 1 ½ Lengths	Age 2 ½ Lengths	Age 3 ½ Lengths
2013	NA	NA	NA
2012	17.2	20.9	23.4
2011	17.0	20.7	23.6
2010	17.0	20.5	23.4
2009	16.0	20.4	23.9
2008	16.6	20.8	24.5
2007	16.9	21.0	24.9
2006	17.2	21.0	24.3
2005	16.8	21.3	24.5
2004	16.6	20.1	22.4
2003	15.6	19.3	22.0
2002	15.2	19.8	22.6
2001	14.9	19.8	22.8
2000	15.0	20.3	24.3
1999	15.8	21.1	25.9

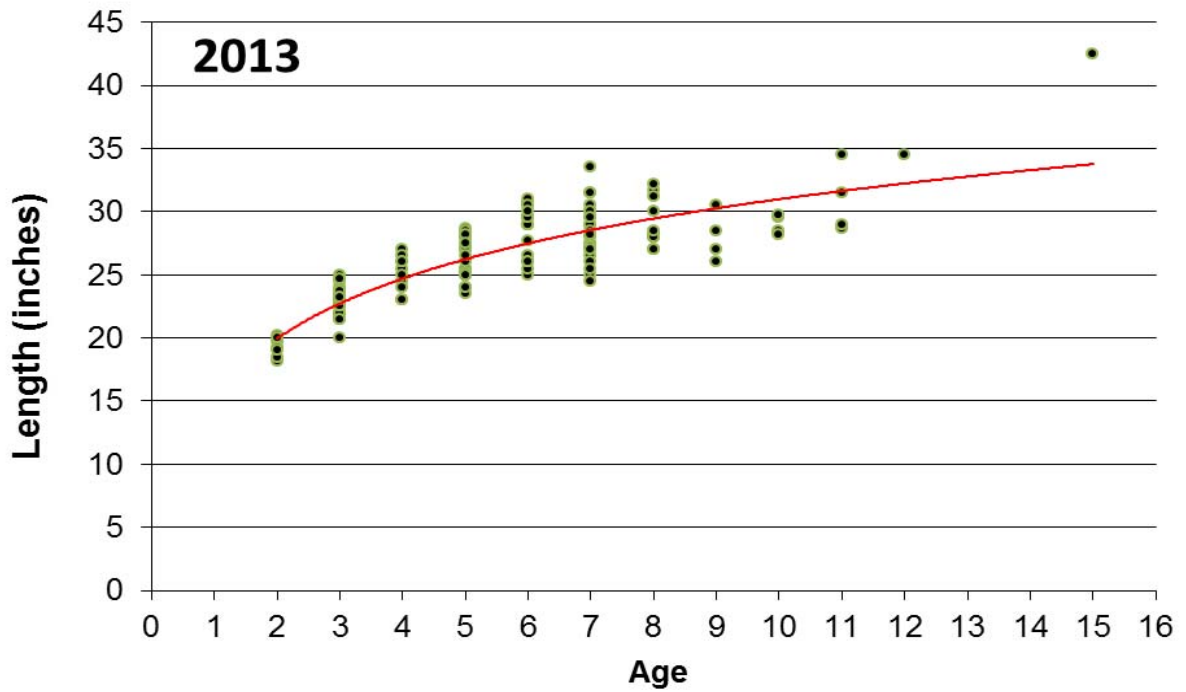
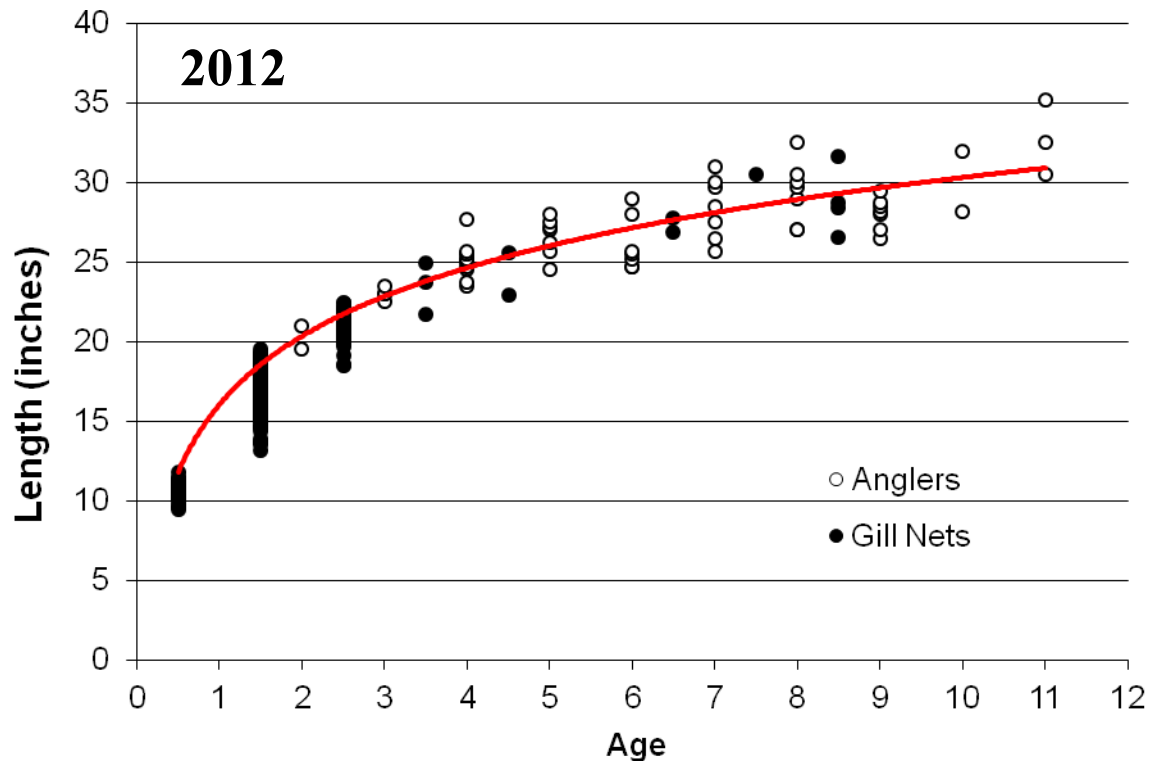


Figure 2. Smith Mountain Lake striped bass growth data determined from otoliths collected by anglers only in 2013 and gill nets and anglers in 2012. Each dot on the graph represents a fish that was aged and the line is the average growth.

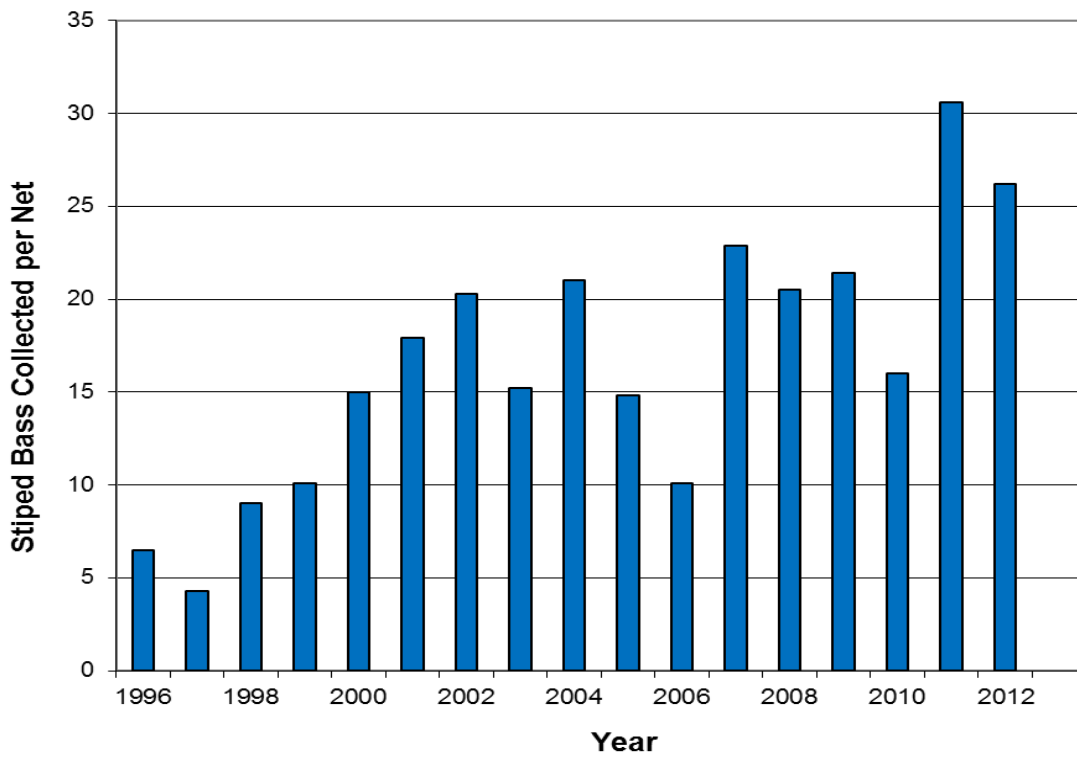


Figure 3. Smith Mountain Lake striped bass gill net data, each bar represents the average number of fish caught in gill nets each year. No gill netting was conducted in 2013.

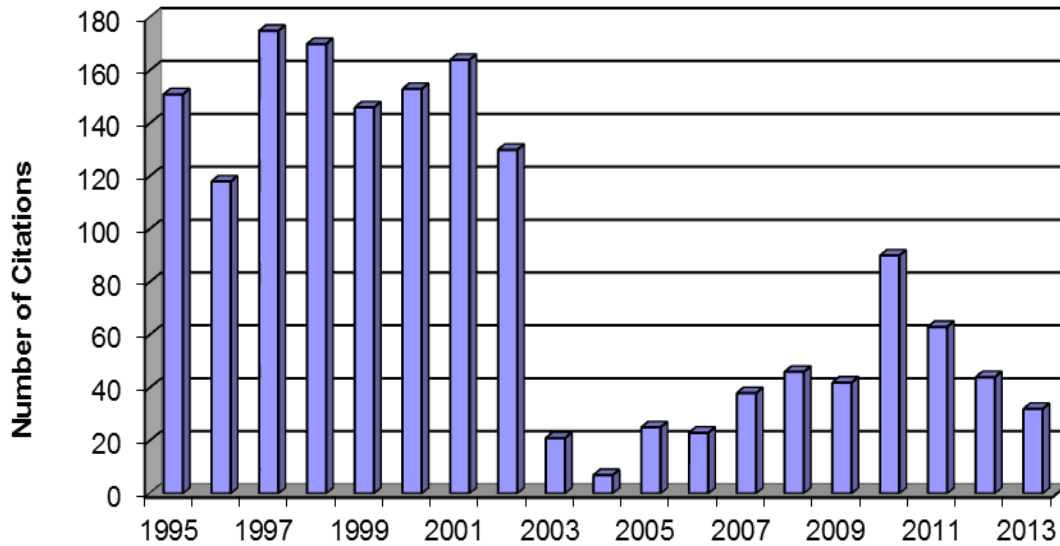


Figure 4. Smith Mountain Lake striped bass citations received by VDGIF for 1995-2013.

Table 3. Goals and catch data trends for striped bass caught by anglers at Smith Mountain Lake. Management goals were developed by DGIF and the Smith Mountain Striper Club and are reflected in the “Goal” row.

	Angler Catch Rate	% of Catch ≥ 30”	Citations
Goal →	3.7 hrs/fish	30%	150
2003	5.0	10%	21
2004	3.3	2%	7
2005	3.4	8%	25
2006	3.8	10%	23
2007	5.0	13%	38
2008	3.6	19%	46
2009	3.6	18%	42
2010	5.6	16%	90
2011	3.3	18%	63
2012	2.4	13%	43
2013	2.8	12%	32

- “Angler Catch Rate” = the number of hours it took to catch a striped bass (at least 20” in length), data from angler diaries
- “% of Catch ≥ 30 ” = percent of striped bass caught (at least 20” in length) that were 30 inches or longer, data from angler diaries
- “Citations” = number of striped bass citations submitted to VDGIF from all anglers