

The North Carolina Striped Bass (*Morone saxatilis*) Commercial Fishery



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The North Carolina Striped Bass (*Morone saxatilis*) Commercial Fishery

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ABSTRACT

Commercial harvest of Striped Bass in North Carolina has been documented through historical landings data dating back to 1887. Since then, the fishery has been characterized by multiple trends, likely due to changes in stock abundance, market forces, and various changes in management. North Carolina Striped Bass are managed as separate stocks within four distinct areas: (1) Albemarle Sound Management Area (ASMA), (2) Roanoke River Management Area, (3) Central Southern Management Area (CSMA), and (4) Atlantic Ocean. Striped Bass in the estuarine waters of North Carolina are currently managed under Amendment 1 the NC Estuarine Striped Bass Fishery Management Plan (FMP) and subsequent revisions and supplements. It is one of the two FMPs jointly developed and approved by the North Carolina Division of Marine Fisheries (NCDMF) and North Carolina Wildlife Resources Commission (NCWRC). The migratory Atlantic Ocean stock is managed by the Atlantic States Marine Fisheries Commission (ASMFC). Seasonal closures, as well as gear restrictions and size limits, are often based on the most recent stock assessments of each stock. The most recent ASMFC benchmark stock assessment for Atlantic Striped Bass was conducted in 2018, while a benchmark stock assessment is currently being conducted by the NCDMF for the ASMA and CSMA stocks. Annual commercial landings were substantial between 1950 and 1980, ranging from 400,000 to 1,900,000 pounds. Annual landings from 1994 to 2018 ranged from 96,000 to 900,000 pounds. Since 2010, annual landings have not been over 500,000 pounds. Gill nets were the primary gear type used to harvest Striped Bass and most of the fishery occurred in Dare County during the late fall to early spring (October to April). Commercial fishermen participating in the Striped Bass fishery also participated in a wide range of other commercial fisheries. Commercial fishermen who landed Striped Bass reported similar demographic and socioeconomic statuses to other commercial fishermen in North Carolina.

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TABLE OF CONTENTS

ABSTRACT.....	iii
ACKNOWLEDGEMENTS.....	iv
TABLE OF CONTENTS.....	v
LIST OF FIGURES.....	ix
1 INTRODUCTION.....	1
1.1 GOALS AND OBJECTIVES.....	2
2 METHODS.....	2
2.1 STUDY AREA.....	2
2.2 COMMERCIAL LANDINGS DATA.....	3
2.2.1 Historical Commercial Landings Prior to 1950.....	3
2.2.2 Commercial Landings (1950 to 1961).....	4
2.2.3 Commercial Landings (1962 to 1971).....	4
2.2.4 Commercial Landings (1972 to 1977).....	4
2.2.5 NCDMF/NMFS Cooperative Statistics Program (1978 to 1993).....	4
2.2.6 North Carolina Trip Ticket Program (1994 to Present).....	5
2.2.7 North Carolina Quota Monitoring Program (2000 to Present).....	6
2.3 LICENSE DATA.....	6
2.3.1 License Data (January 1 st , 1994 to June 30 th , 1999).....	6
2.3.2 License Data (July 1 st , 1999 to present).....	7
2.4 ANALYSIS.....	8
3 RESULTS.....	9
3.1 ANNUAL LANDINGS, EFFORT AND VALUE.....	9
3.1.1 Landings and Effort by Area.....	10
3.1.2 Landings and Effort by Gear.....	13
3.1.3 Landings and Effort by Vessel Size.....	13
3.1.4 Landings by Market Grade.....	14
3.1.5 Landings and Effort by Month.....	14
3.1.6 Vessel Characteristics.....	14
3.1.7 Fisherman Characteristics.....	15
3.2 COMMERCIAL FISHING HARVEST DIVERSITY.....	15
4 DISCUSSION.....	16
5 LITERATURE CITED.....	18
6 TABLES.....	21
7 FIGURES.....	110
8 APPENDIX A.....	166

LIST OF TABLES

Table 3.1. Total commercial landings of Striped Bass by management area in North Carolina, 1887 to 2018. Note: landings from 1887 to 1950 were not collected annually.	21
Table 3.2. Annual number of trips, dealers, participants, and vessels recording landings of Striped Bass, 1994 to 2018. Annual number of tags from 2001 to 2018. Note: 2000 is not included for tags because data is not provided for the entire year.	23
Table 3.3 Annual dealers, participants, vessels, trips and tags for Striped Bass by area, 1980 to 2018.	25
Table 3.4 Annual landings of Striped Bass by waterbody in the Albemarle Sound Management Area (ASMA), 1887 to 2018.	27
Table 3.5 Annual landings of Striped Bass by waterbody in the Central Southern Management Area (CSMA), 1887 to 2018.	30
Table 3.6. Annual ex-vessel value of Striped Bass by waterbody in the Albemarle Sound Management Area (ASMA), 1887 to 2018.	34
Table 3.7. Annual ex-vessel value of Striped Bass by waterbody in the Central Southern Management Area (CSMA), 1887 to 2018.	38
Table 3.8. Average landings and ex-vessel value of Striped Bass from 1887 to 2018, number of trips from 1994 to 2018 and number of tags from 2001 to 2018 by district.	42
Table 3.9. Landings, ex-vessel value, dealers, participants, vessels, trips and number of tags for Striped Bass in the northern district, 1980 to 2018.	42
Table 3.10. Landings, ex-vessel value, dealers, participants, vessels, trips and number of tags for Striped Bass in the central district, 1980 to 2018.	43
Table 3.11. Landings, ex-vessel value, dealers, participants, vessels, trips and tags for Striped Bass in the southern district, 1980 to 2018.	44
Table 3.12. Average landings and ex-vessel value of Striped Bass from 1887 to 2018, number of trips from 1994 to 2018 and number of tags by county from 2001 to 2018.	45
Table 3.13. Annual landings, ex-vessel value, dealers, trips, participants, vessels and number of tags for Striped Bass in Beaufort County, 1887 to 2018.	46
Table 3.14. Annual landings, ex-vessel value, dealers, trips, participants, vessels and number of tags for Striped Bass in Bertie County, 1887 to 2018.	48
Table 3.15. Annual landings, ex-vessel value, dealers, trips, participants, vessels and tags for Striped Bass in Camden County, 1887 to 2018.	51
Table 3.16. Annual landings, ex-vessel value, dealers, trips, participants, vessels and tags for Striped Bass in Carteret County, 1887 to 2018.	53
Table 3.17. Annual landings, ex-vessel value, dealers, trips, participants, vessels and tags for Striped Bass in Chowan County, 1887 to 2018.	55
Table 3.18. Annual landings, ex-vessel value, dealers, trips, participants, vessels and trips for Striped Bass in Craven County, 1887 to 2018.	58
Table 3.19. Annual landings, ex-vessel value, dealers, trips, participants, vessels and tags for Striped Bass in Currituck County, 1887 to 2018.	60
Table 3.20. Annual landings, ex-vessel value, dealers, trips, participants, vessels and tags for Striped Bass in Dare County, 1887 to 2018.	63
Table 3.21. Annual landings, ex-vessel value, dealers, trips, participants, vessels and tags for Striped Bass in Hyde, 1887 to 2018.	65

Table 3.22. Annual landings, ex-vessel value, dealers, trips, participants, vessels and tags for Striped Bass in Other Counties, 1887 to 2018.....	67
Table 3.23. Annual landings, ex-vessel value, dealers, trips, participants, vessels and tags for Striped Bass in Pasquotank County, 1887 to 2018.....	70
Table 3.24. Annual landings, ex-vessel value, dealers, trips, participants, vessels and tags for Striped Bass in Perquimans County, 1887 to 2018.....	72
Table 3.25. Annual landings, ex-vessel value, dealers, trips, participants, vessels and tags for Striped Bass in Tyrrell County, 1887 to 2018.....	75
Table 3.26. Annual landings, ex-vessel value, dealers, trips, participants, vessels and tags for Striped Bass in Washington County, 1950 to 2018. There were no landings reported from Washington county before 1950.....	77
Table 3.27. Average landings, ex-vessel value, and trips of Striped Bass by port, 1994 to 2018.....	79
Table 3.28. Annual landings, ex-vessel value, trips, participants, vessels, and dealers for Striped Bass in the Edenton Area, 1994 to 2018.....	79
Table 3.29. Annual landings, ex-vessel value, trips, participants, vessels, and dealers for Striped Bass in the Elizabeth City Area, 1994 to 2018.....	80
Table 3.30. Annual landings, ex-vessel value, trips, participants, vessels, and dealers for Striped Bass in Engelhard/Swan Quarter, 1994 to 2018.....	81
Table 3.31. Annual landings, ex-vessel value, trips, participants, vessels, and dealers for Striped Bass in the Hatteras Area, 1994 to 2018.....	82
Table 3.32. Annual landings, ex-vessel value, trips, participants, vessels, and dealers for Striped Bass in New Bern/Beaufort/Down East, 1994 to 2018.....	82
Table 3.33. Annual landings, ex-vessel value, trips, participants, vessels, and dealers for Striped Bass in Ocracoke, 1994 to 2018.....	83
Table 3.34. Annual landings, ex-vessel value, trips, participants, vessels, and dealers for Striped Bass in Other Ports, 1994 to 2018.....	84
Table 3.35. Annual landings, ex-vessel value, trips, participants, vessels, and dealers for Striped Bass in Pamlico/Beaufort Counties, 1994 to 2018.....	85
Table 3.36. Annual landings, ex-vessel value, trips, participants, vessels, and dealers for Striped Bass in the Wanchese Area, 1994 to 2018.....	85
Table 3.37. Annual landings, ex-vessel value, trips, participants, vessels, and dealers for Striped Bass in the Wilmington Area, 1994 to 2018.....	86
Table 3.38. Average landings, ex-vessel value, trips and tags of Striped Bass by gear, 1994 to 2018.....	87
Table 3.39. Annual landings, ex-vessel value, trips, participants, vessels, dealer and tags for Striped Bass from gill nets, 1980 to 2018.....	87
Table 3.40. Pounds per trip, pounds per day, average crew size, trip duration (days), and average trip duration (days) for Striped Bass using gill-nets, 1994 to 2018.....	88
Table 3.41. Annual landings, ex-vessel value, trips, participants, vessels, dealers and tags for Striped Bass from haul seines, 1980 to 2018.....	89
Table 3.42. Pounds per trip, pounds per day, average crew size, trip duration (days), and average trip duration (days) for Striped Bass using haul seines, 1994 to 2018 (**confidential data).....	90
Table 3.43. Annual landings, ex-vessel value, trips, participants, vessels, dealers and tags for Striped Bass from other gears, 1994 to 2018.....	91

Table 3.44. Pounds per trip, pounds per day, average crew size, trip duration (days), and average trip duration (days) for Striped Bass using other gears, 1994 to 2018.	92
Table 3.45. Annual landings, ex-vessel value, trips, participants, vessels, dealers and tags for Striped Bass from pound nets, 1994 to 2018.	93
Table 3.46. Pounds per trip, pounds per day, average crew size, trip duration (days), and average trip duration (days) for Striped Bass using pound nets, 1994 to 2018.	94
Table 3.47. Annual landings, ex-vessel value, trips, participants, vessels, dealers and tags for Striped Bass from trawls, 1994 to 2018.	95
Table 3.48. Pounds per trip, pounds per day, average crew size, trip duration (days), and average trip duration (days) for Striped Bass using trawls, 1994 to 2018 (**confidential data).	96
Table 3.49. Average landings, ex-vessel value, trips and trip duration (days at sea) by vessel length range for Striped Bass, 1994 to 2018.	97
Table 3.50. Landings, ex-vessel value, and trips by market grade for Striped Bass, 1994 to 2018.	97
Table 3.51. Average vessel characteristics for vessels used in the Striped Bass commercial, 1994 to 2018. Note: Average Number of Engines and Average Carrying Capacity were recorded starting in 1999.	97
Table 3.52. Number of vessels used in the Striped Bass commercial fishery by hull material, 1994 to 2018.	98
Table 3.53. Number of vessels used in the Striped Bass commercial fishery by type of propulsion, 1994 to 2018.	98
Table 3.54. Demographic characteristics for commercial fishermen in the Striped Bass commercial fishery, 1994 to 2018.	98
Table 3.55. Results of economic survey from fishermen that participated in the Striped Bass commercial fishery, 2000 to 2018.	99
Table 3.56. List of species that were annually in the top 10 species harvested (based on pounds) by Striped Bass fishery participants, 1994 to 2018.	99
Table 3.57. Top 10 species landed (based on pounds) by 1994 Striped Bass fishery participants, 1994 to 2018.	100
Table 3.58. Top 10 species landed (based on pounds) by 2018 Striped Bass fishery participants, 1994 to 2018.	105
Table A.1: Mean proportions and standard deviations of pounds and values used from 1962 to 1966 to estimate gear type by area for Striped Bass landings from 1887 to 1950.	166
Table A.2: Mean proportions and standard deviations of pounds and values used from 1962 to 1966 to estimate landings by waterbody for Striped Bass from 1887 to 1950.	166
Table A.3: Mean proportions and standard deviation of pounds and values used from 1962 to 1966 to estimate Striped Bass landings by county from 1950 to 1961.	167
Table A.4: Mean proportions and standard deviations of pounds and values used from 1962 to 1966 to estimate landings of Striped Bass by district from 1950 to 1961.	167
Table A.5: Mean proportions and standard deviations of pounds and values used from 1971 to 1975 to estimate landings of Striped Bass by county for 1969 and 1970.	168
Table A.6: Mean proportions and standard deviations of pounds and values used from 1971 to 1975 to estimate landings of Striped Bass by district for 1969 and 1970.	168

LIST OF FIGURES

Figure 2.2. Map of the eastern North Carolina counties and ports.	111
Figure 3.1. Total commercial landings of Striped Bass, 1950 to 2018.	112
Figure 3.2. Annual ex-vessel value of Striped Bass, 1950 to 2018.	112
Figure 3.3. Annual number of trips landing Striped Bass, 1994 to 2018.	113
Figure 3.4. Annual number of seafood dealers, participants, and vessels recording landings of Striped Bass, 1994 to 2018.	113
Figure 3.5. Annual number of Striped Bass tags from 2001 to 2018. Note: The Quota Monitoring Program started in the fall of 2001 but does not include annual number of tags. The tags recorded for the fall of 200 was 17,090.	114
Figure 3.6. Annual landings of Striped Bass by management area from 1950 to 2018.	114
Figure 3.7. Annual ex-vessel value of Striped Bass by management area from 1950 to 2018. .	115
Figure 3.8. Annual number of Striped Bass tags by management area from 2001 to 2018. Note: 2000 does not provide number of tags for the entire year, therefore is not included in this annual figure.	115
Figure 3.9. Annual number of trips landing Striped Bass in each management area, 1994 to 2018.	116
Figure 3.10. Annual number of dealers reporting Striped Bass landings in each management area, 1994 to 2018.	116
Figure 3.12. Annual vessels participating in the Striped Bass fishery by management area from 1994 to 2018.	117
Figure 3.13. Annual landings of Striped Bass from the Ocean, 1950 to 2018.	118
Figure 3.14. Annual landings of Striped Bass from Albemarle Sounds, Croatan Sound (a) and Chowan River, Currituck Sound, other (b) waterbodies in the ASMA from 1950 to 2018.	119
Figure 3.15. Annual landings of Striped Bass from Pamlico and Pungo Rivers, Neuse River (a) and Pamlico Sound, Cape Fear River, Other (b) waterbodies in the CSMA from 1950 to 2018.	120
Figure 3.17. Annual ex-vessel value of landing from Pamlico and Pungo Rivers, Neuse River (a) and Cape Fear River, Pamlico Sound, Other (b) waterbodies in the CSMA from 1950 to 2018.	122
Figure 3.18. Annual ex-vessel value of Striped Bass landings from the Ocean, 1950 to 2018. .	123
Figure 3.19. Percent of Striped Bass landings (a) and ex-vessel value (b) from 1887 to 2018, tags (c) from 2000 to 2018 and trips (d) from 1994 to 2018 by district.	124
Figure 3.20. Annual landings of Striped Bass by district, 1950-2018.	125
Figure 3.21. Annual ex-vessel value of Striped Bass by district, 1950-2018.	125
Figure 3.22. Annual number of Striped Bass tags from 2001 to 2018 by district. *Note: 2000 does not record number of tags for the entire year and therefore, is not included in this annual figure.	126
Figure 3.23. Annual number of trips landing Striped Bass by district, 1994 to 2018.	126
Figure 3.24. Annual number of dealers reporting landings of Striped Bass by district, 1994 to 2018.	127
Figure 3.25. Annual number of participants landing Striped Bass by district from 1994 to 2018.	127
Figure 3.26. Annual number of vessels landing Striped Bass by district, 1994 to 2018.	128

Figure 3.27. Percent of Striped Bass landings (a) and ex-vessel value (b) from 1887 to 2018, number of tags (c) from 2000 to 2018 and trips (d) from 1994 to 2018 by county.....	129
Figure 3.28. Annual landings of Striped Bass by county, 1950 to 2018.	130
Figure 3.29. Annual ex-vessel value of Striped Bass by county, 1950 to 2018.	130
Figure 3.30. Annual number of Striped Bass tags by county from 2002 to 2018. Note: 2000 does not provide number of tags for the entire year and therefore, is not included in this annual figure.	131
Figure 3.31. Annual number of dealers for Striped Bass by county, 1980 to 2018.....	131
Figure 3.32. Annual number of trips for Striped Bass by county, 1994 to 2018.....	132
Figure 3.33. Annual number of participants for Striped Bass by county, 1994 to 2018.	132
Figure 3.34. Annual number of vessels for Striped Bass by county, 1994 to 2018.....	133
Figure. 3.35. Percent of Striped Bass landings (a), ex-vessel value (b), and trips (c) from 1994 to 2018 by port.	134
Figure 3.36. Annual landings of Striped Bass by port, 1994 to 2018.....	135
Figure 3.37. Annual ex-vessel value of Striped Bass by port, 1994 to 2018.....	135
Figure 3.38. Annual number of dealers for Striped Bass by port, 1994 to 2018.	136
Figure 3.39. Annual number of trips for Striped Bass by port, 1994 to 2018.	136
Figure 3.40. Annual number of participants for Striped Bass by port, 1994 to 2018.....	137
Figure 3.41. Annual number of vessels for Striped Bass by port, 1994 to 2018.	137
Figure 3.42. Percent of Striped Bass landings (a) and ex-vessel value (b) from 1887 to 2018, trips (c) from 1994 to 2018 and tags (d) from 2000 to 2018 by gear.....	138
Figure 3.43. Annual landings of Striped Bass by gear, 1950 to 2018.	139
Figure 3.44. Annual ex-vessel value of Striped Bass by gear, 1950 to 2018.	139
Figure 3.45. Annual number of Striped Bass tags by gear from 2002 to 2018. Note: 2000 does not provide number of tags for the entire year and therefore, is not included in this annual figure.	140
Figure 3.46. Annual number of trips for Stripes Bass by gear, 1994 to 2018.	140
Figure 3.47. Annual number of dealers for Striped Bass by gear, 1994 to 2018.....	141
Figure 3.48. Annual number of participants for Striped Bass by gear, 1994 to 2018.	141
Figure 3.49. Annual number of vessels for Striped Bass by gear, 1994 to 2018.....	142
Figure 3.50. Annual trip duration for Striped Bass by gear, 1999 to 2018.....	142
Figure 3.51. Annual average crew size for Striped Bass by gear, 1999 to 2018.	143
Figure 3.52. Annual average trip duration for Striped Bass by gear, 1999 to 2018.	143
Figure 3.53. Annual pounds per trip for Striped Bass by gear, 1994 to 2018.	144
Figure 3.54. Annual pounds per day for Striped Bass, by gear, 1994 to 2018.	144
Figure 3.55. Percent of Striped Bass landings (a), ex-vessel value (b), and trips (c) from 1994 to 2018 by vessel size.....	145
Figure 3.56. Annual landings of Striped Bass by vessel size, (a) and (b), 1994 to 2018.	146
Figure 3.57. Annual ex-vessel value of Striped Bass by vessel size, (a) and (b), 1994 to 2018.	147
Figure 3.58. Annual number of trips for Striped Bass by vessel size, (a) and (b), from 1994 to 2018.....	148
Figure 3.59. Annual number of vessels landing Striped Bass by vessel size, (a) and (b), from 1994 to 2018.	149
Figure 3.60. Annual trip duration (a) and (b) for Striped Bass from 1994 to 2018.....	150
Figure 3.61. Annual average trip duration for Striped Bass by vessel size from 1994 to 2018.	151
Figure 3.62. Annual average crew size for Striped Bass by vessel size from 1994 to 2018.	151

Figure 3.63. Annual pounds per trip for Striped Bass by vessel size, (a) and (b), 1994 to 2018.	152
Figure 3.64. Percent of Striped Bass landings (a), ex-vessel value (b), and trips (c) by market grade, 1994 to 2018.....	153
Figure 3.65. Annual landings of Striped Bass by market grade, 1994 to 2018.	154
Figure 3.66. Annual ex-vessel value of Striped Bass by market grade, 1994 to 2018.	155
Figure 3.67. Annual dealers for Striped Bass by market grade, 1994 to 2018.	156
Figure 3.68. Annual trips for Striped Bass by market grade, 1994 to 2018	156
Figure 3.69. Average landing and ex-vessel value for Striped Bass by month, 1994 to 2018. ..	157
Figure 3.70. Average number of trips for Striped Bass by month, 1994 to 2018.....	157
Figure 3.71. Percent hull materials (a) and propulsion type (b) of vessels used for Striped Bass, 1994 to 2018.	158
Figure 3.72. Annual vessels used for Striped Bass by hull material, 1994 to 2018.	158
Figure 3.73. Annual vessels used for Striped Bass by propulsion type, 1994 to 2018.....	159
Figure 3.74. Annual average vessel age for Striped Bass, 1994 to 2018.....	159
Figure 3.75. Annual average number of engines for vessels landing Striped Bass, 1999 to 2018.	160
Figure 3.77. Annual average length of vessels in the commercial Striped Bass fishery, 1994 to 2018.....	161
Figure 3.78. Annual average horsepower of vessels for Striped Bass, 1994 to 2018.....	161
Figure 3.79. Annual average carrying capacity of vessels for Striped Bass, 1999 to 2018.....	162
Figure 3.80. Percent race (a) and gender (b) of participants for Striped Bass, 1994 to 2018.....	163
Figure 3.81. Annual average age of participants for Striped Bass, 1994 to 2018.	163
Figure 3.82. Annual number of participants for Striped Bass by gender, 2000 to 2018.	164
Figure 3.83. Annual number of participants for Striped Bass by race, 2000 to 2018.....	164
Figure 3.84. Annual response of participants reporting in the economic survey, 2000 to 2018.	165

1 INTRODUCTION

Striped Bass (*Morone saxatilis*) have been an important component of North Carolina's commercial fisheries, accounting for more than 55,000,000 pounds and \$30,000,000 in ex-vessel value since 1887. Even though record of commercial Striped Bass harvest in North Carolina has only been documented back to 1887, it likely occurred in previous years (Chestnut and Davis 1975). Management of the commercial Striped Bass fishery has varied over time. Within North Carolina, five separate stocks of Striped Bass are managed based on the following geographical areas: Albemarle Sound Management Area (ASMA) and Roanoke River Management Area (RRMA), the Central Southern Management Area (CSMA), and the Atlantic Ocean (Figure 2.1). Commercial harvest of Striped Bass in the RRMA ended in 1986. Recreational harvest of Striped Bass in the RRMA is under the jurisdiction of the North Carolina Wildlife Resources Commission. For the purposes of this report, any commercial landings from the RRMA will be shown within the ASMA. Management of Striped Bass in the ASMA and CSMA is based on separate unit stocks, with the CSMA having specific river distinctions: Pamlico River, Neuse River, and Cape Fear River. These stocks are considered estuarine and non-anadromous and are managed under the NC Estuarine Striped Bass Fisheries Management Plan (FMP; NCDMF 2013). The Atlantic Ocean Striped Bass stock is anadromous and under the management authority of the Atlantic States Marine Fisheries Commission (ASMFC). The migratory stocks under ASMFC jurisdiction range from Maine to the Albemarle Sound-Roanoke River (NCDMF 2019a).

Regulations on this fishery have varied widely over time. Initially, Striped Bass were managed statewide with special consideration for specific river systems within the state. Management under the current area designations was established in 1991. The ASMA has been managed under an annual total allowable landings (TAL)¹ since 1991 and the CSMA since 1994. The original commercial TAL for the ASMA was set at 98,000 pounds. Since its establishment in 1991, TAL has fluctuated from 98,000 to 275,000 pounds and is currently set at 137,500 pounds. The fishery operates with restrictions on seasons, gill net yardage, mesh size, and size limits to control harvest and limit bycatch. A commercial TAL of 25,000 pounds was set in 1994 for the CSMA and is currently in place. Within the CSMA, a total commercial and recreational harvest moratorium was instituted in 2008 for the Cape Fear River and is still in place today (per NCMFC Rules 15A NCAC 03M .0202 and 03Q .0107). In addition, in 2019, Supplement A to Amendment 1 to the North Carolina Estuarine Striped Bass FMP implements a Striped Bass no-possession limit for both recreational and commercial fisheries in the remaining areas of the CSMA (NCDMF 2019d).

The Atlantic Ocean TAL was set at 96,000 pounds in 1991. From 1995 to 1997, TAL was set at 334,000 pounds before being increased to 336,000 pounds in 1998. TAL was increased in 2002 to 480,000 pounds and again in 2004 to 480,480 pounds. In 2014, TAL was lowered to 360,360 pounds, which is still in place currently. TAL is evenly split between beach seine, gill net and trawl gears annually unless a gear had an overage in the previous year (S. Darsee, NCDMF, personal communication). The ASMFC developed a (FMP) for Atlantic Striped Bass in 1981 and it is amended when management needs arise (ASMFC 1981, 2003).

¹ The term "total allowable landings" replaced use of the term "total allowable catch" in 2014. "Catch" refers to both landings and discards. Quotas are used to maintain sustainable harvest levels of landings only, therefore the term "total allowable catch" does not accurately describe existing management strategies (NCDMF 2014).

A 2016 stock assessment of Albemarle Sound-Roanoke River Striped Bass indicated the stock was not overfished nor was overfishing occurring. The most recent stock assessment of the CSMA stock notes a lack of adequate data, making it difficult to quantitatively assess the overfishing and overfished stock status. Therefore, the stock status in relation to overfished and overfishing is currently unknown (NCDMF 2019c). In 2016, results of genetic based analysis showed that Striped Bass populations in the Tar-Pamlico, Neuse and Cape Fear rivers were comprised of nearly 100% hatchery reared fish (O'Donnell and Farrae 2017). However, subsequent analysis, in 2017, indicated a notable decrease in the contribution of stocked fish (Farrae and Darden 2018). NCWRC genetic based testing followed in 2018 to reveal that stocked fish composed 41%, 78% and 92% of the Tar-Pamlico, Neuse, and Cape Fear rivers, respectively (Farrae 2019). Current regulations in place for conservation management efforts of Striped Bass in the CSMA are supported by constrained size and age distribution, the absence of older fish, low abundance, and the high percentage of stocked fish within the population (NCDMF 2019c). The next benchmark stock assessment for Striped Bass stocks in the ASMA and CSMA is currently being conducted.

According to the most recent 2018 assessment, the Atlantic Ocean Striped Bass migratory stock is overfished, and overfishing is occurring. This status is considered by the ASMFC when adjusting management of Striped Bass in the Atlantic Ocean less than three miles (NCDMF 2019b). The Exclusive Economic Zone (EEZ), stretching from 3 to 200 nautical miles, has been closed to the possession of Striped Bass, both recreationally and commercially, since 1990. In 2007, President George W. Bush issued an Executive Order (E.O. 13449) to prohibit the sale of Striped Bass (and Red Drum, *Sciaenops ocellatus*) caught within the EEZ (NCDMF 2019b). Striped Bass in the EEZ are under the jurisdiction of National Oceanic and Atmospheric Administration (NOAA) fisheries.

1.1 GOALS AND OBJECTIVES

The goal of this report is to characterize the commercial Striped Bass fishery of North Carolina and to serve as a reference document for this species. This report has three main objectives:

- 1). Determine the overall trends of the commercial landings in North Carolina's commercial Striped Bass fishery;
- 2). Describe the characteristics of the Striped Bass fishery, the vessels used in the fishery, and the participants of the fishery; and
- 3). Describe how management affects the annual landings of Striped Bass and what other fisheries commercial Striped Bass fishermen participate in.

2 METHODS

2.1 STUDY AREA

The study area for this analysis included estuarine, coastal ocean, and offshore ocean waters of North Carolina (Figure 2.1). Commercial landings data were analyzed across all waterbodies

and included Striped Bass landings from all counties within North Carolina. Commercial landings were analyzed by district (Northern, Central, and Southern), as well as respective counties and primary ports (Figure 2.2). Analysis of license data for commercial fishermen and their vessels included those from North Carolina and from out of state.

2.2 COMMERCIAL LANDINGS DATA

Various sources of commercial landings data were analyzed to characterize the commercial Striped Bass fishery in North Carolina and to determine trends. Seven sources of data were analyzed that covered landings from 1887 to 2018. The quality of the data collected within these programs improved over time, with the most current data collection program having the most accurate and highest quality data available for analysis. The various data collection programs and data sources are described below.

2.2.1 Historical Commercial Landings Prior to 1950

Historical (prior to 1950) commercial landings data for North Carolina are very sparse and limited. Chestnut and Davis (1975) put together a synopsis of all available commercial landings that occurred in North Carolina from 1880 to 1973, compiling federal and state landings bulletins and reports into one document. While the data spans back to 1880, data were not available for every year in the time series. This gap is most notable during war times (i.e., World War I, World War II, etc.). Although annual trends for the commercial Striped Bass fishery cannot be determined with these data, it is still a good source of information to indicate when Striped Bass fishing was first recorded in the state and is the only source of data to show the magnitude of commercial harvest prior to 1950 in a single document. During the analysis of this species, an error was found in the table that listed species by county in Chestnut and Davis (1975; page 348). In this table, the reported landings for Striped Bass is 2,111,953 pounds in 1929, reported for Dare County. Upon further investigation, scanned PDF documents from NOAA of the data used to compile this report confirm that this value was incorrect. It appeared that Chestnut and Davis (1975) made an error when entering landings and ex-vessel value by species and county. Further review suggests that their data was off by one row. The value of 2,111,953 pounds should be attributed to Spotted Seatrout (*Cynoscion nebulosus*) instead of Striped Bass. To report landings and ex-vessel values, annual totals were compared to gear and county table data. Landings were proportioned out according to which table had the highest annual landings. The correction found in the Chestnut and Davis report and the adjustment for proportion raised landings for 1929 to 100,092 pounds. The historic data reported in Chestnut and Davis (1975) does not report landings by area, or waterbody. However, the historic data does report landings and ex-vessel value by gear. To report landings and ex-vessel value by area, the mean proportions of landings and ex-vessel value by gear and area from 1962 to 1966 were used. Those proportions to the historic landings and ex-vessel value by gear were then applied. The mean proportions and standard deviations of pounds and ex-vessel values of area by gear type are listed in Table A:1. To report annual landings and ex-vessel values for each waterbody, mean proportions of pounds and ex-vessel values by area from 1962 to 1966 were used. The mean proportions and standard deviations of pounds and ex-vessel values by area and waterbody are listed in Table A.2.

2.2.2 Commercial Landings (1950 to 1961)

Commercial landings data for North Carolina were collected by the National Marine Fisheries Service (NMFS- then known as the Bureau of Commercial Fisheries) from 1950 to 1961. North Carolina wholesale seafood dealers were surveyed monthly about their commercial landings and the fisheries they participated in. Surveys were conducted by mail-out forms and by on-site visits by a NMFS port agent. The commercial landings in this dataset are summarized by year, gear, and species. The NCDMF received a copy of this dataset from NMFS in 2005. Details of county and district from the annual landings for these years was not recorded. To estimate annual landings and ex-vessel values by county and district, a proportion of the mean landings and ex-vessel values from data recorded from 1962 to 1966 were used. The average proportions and standard deviations for pounds and ex-vessel values used to estimate this data are listed by county and district in Tables A.3 and A.4.

2.2.3 Commercial Landings (1962 to 1971)

NMFS also collected commercial landings data for North Carolina from 1962 to 1971 with the same survey design. However, this dataset differs from the previous file in that it contains a more detailed breakdown of the state's commercial landings, summarizing the data by year, gear, county, waterbody, and species. The NCDMF received an updated copy of this dataset from NMFS in 2010. Striped Bass landings by county and district were not available in 1967, 1969 and 1970. For 1967, the mean landings and ex-vessel value from Chestnut and Davis (1975) data was used to estimate pounds landed and ex-vessel value for this year. A proportion from the mean pounds and ex-vessel values from data in years 1971 to 1975 was similarly used to create an estimate for the missing data in years 1969 and 1970. The mean proportions and standard deviations used for each county and district from 1971 to 1975 are listed in Tables A:5 and A:6. These proportions were only used to estimate data in 1969 and 1970.

2.2.4 Commercial Landings (1972 to 1977)

The same survey design and technique was used by NMFS while collecting commercial landings data for North Carolina from 1972 to 1977; however, the database was constructed differently from the two previous time periods. The data contained in this dataset summarized commercial landings data by year, month, gear, county, water body, and species.

2.2.5 NCDMF/NMFS Cooperative Statistics Program (1978 to 1993)

Beginning in 1978, a cooperative statistics program was initiated between NMFS and states of the South Atlantic and Gulf of Mexico. The new cooperative program allowed the NCDMF to use its own port agents to survey fish dealers. This allowed more personnel to be in the field to survey the state's fish dealers which resulted in much more coverage than what NMFS could provide previously. The survey design and methodology were not changed from the 1972 to 1977 period, but details in the landings data and its resulting dataset can be viewed with more confidence. The dataset from this program contains commercial landings summarized by year, month, gear, county, water body, species, and dealer.

2.2.6 North Carolina Trip Ticket Program (1994 to Present)

The North Carolina Trip Ticket Program (NCTTP) was implemented on January 1st, 1994. The NCTTP was initiated to gather more accurate commercial landings data and to determine effort for the state's commercial fishery. The NCTTP is mandated through North Carolina State General Statute and thus all North Carolina seafood dealers are required to fill out trip tickets and submit them to the NCDMF monthly. North Carolina seafood dealers can only purchase seafood from properly licensed commercial fishermen and commercial fishermen can only sell to properly licensed seafood dealers.

Unlike the previous commercial landings data collection programs that used surveys, the data collected through this program are considered a complete census of all commercial landings for North Carolina. Although the NCTTP is considered a census for all commercial landings, commercial fishermen are not required to sell all of their catch to a seafood dealer. The NCTTP operates using trip ticket forms that are filled out by seafood dealers after each transaction is completed by a commercial fisherman. Seafood dealers can complete paper trip ticket forms, or they can choose to report their data electronically with a specially designed trip ticket software program. The paper forms and the trip ticket software program are free of charge and are distributed upon request or requirement. Seafood dealers are required to submit completed trip tickets to the NCTTP by the 10th of the following month (e.g., all January trip tickets would be due on February 10th).

Data collected on trip ticket forms includes species landed by market grade and condition (whole, gutted, carcass, etc.), gear type used, waterbody where the commercial fishing occurred, license information for the seafood dealer, commercial fisherman, and commercial fishing vessel, the start and landing date of the trip, crew size, and the quantity landed for each species. Seafood dealers are instructed to identify all species when they complete their trip ticket. Since the trip ticket program started in 1994, there have been a few modifications to the forms. For example, the starting date of a trip and the crew size fields were not added to the trip tickets until 1999.

The data collected through the NCTTP is the most accurate and reliable commercial landings data available to describe the state's commercial fisheries. The dataset created through the NCTTP is much more extensive than any of the other datasets available. Landings of all species are recorded on a per trip basis and recorded down to the market grade and condition for each species. Analysis of the trip ticket data allows for summarization of the commercial landings of Striped Bass to further detail than what was possible before. Not only can landings be summarized by year, month, gear, county, waterbody, species, and dealer, but landings can also be summarized to market grade, vessel, commercial fisherman, day of landing, or to each individual trip that was landed. Using this data, the total number of trips, vessels, and commercial fishermen who participate in commercial Striped Bass fishing can be determined as well as the average crew size and average duration for commercial Striped Bass trips. Also, the average landings by trip can be calculated to illustrate trends in catch per unit effort over the years. However, it should be noted that the average landings per trip only includes trips where Striped Bass were successfully landed (positive trip) and doesn't include trips where Striped Bass was targeted but not caught (negative trip).

2.2.7 North Carolina Quota Monitoring Program (2000 to Present)

The North Carolina Quota Monitoring Program (NCQMP) started in the Fall of 2000. The NCQMP was implemented to track quotas for Striped Bass, Summer Flounder (*Paralichthys dentatus*), the American Shad (*Alosa sapidissima*) ocean intercept fishery, and Alewife (*Alosa pseudoharengus*) and Blueback Herring (*Alosa aestivalis*, collectively known as River Herring). In the fall of 2003, Black Sea Bass (*Centropristis striata*) north of Cape Hatteras and Spiny Dogfish (*Squalus acanthias*) were added to the quota monitoring system. The ocean intercept fishery for American Shad was closed in 2005 and was removed from the NCQMP. Likewise, river herring was placed under a moratorium in 2015 and is no longer being monitored. The purpose of the NCQMP is to monitor the quotas for these species daily and to allow fisheries managers to implement necessary management measures to maintain the appropriate harvest levels.

Similar to the NCTTP, the NCQMP is a self-reporting system where seafood dealers fill out forms (known as quota monitoring logs) and submit them to the NCDMF. If a seafood dealer wants to operate in a fishery that is monitored through one of the before mentioned quotas, then they need to obtain the appropriate state dealer permit (there is a specific permit for each species). When the season is open for a quota monitored species, permitted dealers are required to report quota monitoring logs from the previous day by noon of the following day (in the case of weekends or holidays, logs are due by noon on Monday or the following workday). Quota monitoring logs can be submitted by email, fax, or phone. If quota monitoring logs are called in, the paper copy of the log is required to be mailed to the NCDMF within five days of the fishery closing.

Daily quota monitoring logs collect a minimum amount of information and the data collected through the program differs slightly by species. For Summer Flounder, Black Sea Bass, and Spiny Dogfish, the total landings for the day for each dealer is collected along with the number of vessels that contributed to the landings. For Striped Bass, quota monitoring logs record the total landings and the number of tags used by seafood dealers each day. As part of tracking and monitoring the Striped Bass commercial fishery, seafood dealers are required to place a tag on every fish they purchase from a commercial fisherman. Since one tag is applied to each Striped Bass sold, the NCQMP can determine the total number of individual Striped Bass landed in the commercial fishery. The tags are numbered, and any unused tags must be returned at the end of the season. The NCQMP also collects the area (i.e., ASMA, CSMA, or Ocean) the Striped Bass were harvested from. If Striped Bass were harvested from the ocean, then the specific gear type is also collected (i.e., trawl, gill net, or beach seine).

2.3 LICENSE DATA

North Carolina's license structure has varied over the time frame of this analysis and covers two primary time periods: 1) January 1st, 1994 to June 30th, 1999 and 2) July 1st, 1999 to present.

2.3.1 License Data (January 1st, 1994 to June 30th, 1999)

A new licensing system for the commercial fishing industry was implemented in 1994

along with the NCTTP. Two primary licenses were needed by commercial fishermen to harvest seafood from January 1st, 1994 to June 30th, 1999. These two licenses were called the Endorsement to Sell (ETS) license and the Vessel license. An ETS license was required to allow the sale of fish and shellfish in North Carolina and a commercial fisherman needed an ETS for every vessel used in their operation. An ETS was also necessary if a commercial fisherman did not own or use a vessel, but still wanted to sell any of their catch. The data collected from the issuance of an ETS license included name of the commercial fisherman or business, address, vessel license number, and date of birth. The ETS license number is the license number that was recorded on trip tickets. Due to the ability of a single commercial fisherman to own more than one vessel, just counting the number of licenses recorded in the trip ticket data is not an accurate count of the total number of commercial fishermen from January 1st, 1994 to June 30th, 1999. However, by combining the ETS data with the trip ticket data, a potential number of commercial fishermen fishing for Striped Bass can be determined.

While the ETS license was required for a commercial fisherman to sell their catch to a seafood dealer, a second license was required to allow the use of commercial fishing gear from a vessel. The Vessel license was required for all vessels used in a commercial fishing operation. The data collected during the issuance of this license included vessel length, gross tons, crew size, horsepower rating, fuel type, hull material, propulsion type, year built, and the amount of gear used on the vessel while commercial fishing. Due to commercial fishermen needing an ETS to sell their catch even without using a vessel, a count of the total number of licenses recorded in the trip ticket data would overestimate the number of vessels that operated in the fishery. However, by combining the ETS data with the Vessel license data and combining that result with the trip ticket data, the number of vessels operating in any fishery can be determined as well as trends by vessel characteristics from January 1st, 1994 to June 30th, 1999.

2.3.2 License Data (July 1st, 1999 to present)

Starting on July 1st, 1999, a new licensing structure was implemented because of the 1997 NC Fisheries Reform Act and is the current structure in place today. With the current license structure, a commercial fisherman needs to have one of the following licenses to legally sell their catch to a seafood dealer: 1) Standard Commercial Fishing License (SCFL), 2) Retired Standard Commercial Fishing License (RSCFL), 3) Shellfish License for North Carolina Residents Without a SCFL License, 4) Land or Sell License, or 5) Menhaden License for Non-Residents without a SCFL. The SCFL and RSCFL allow commercial fishermen to sell all finfish and shellfish, with the RSCFL being sold at a reduced price for retirees. The Shellfish without a SCFL only allows commercial fishermen to sell catches of shellfish (does not include crustaceans such as Blue Crab or shrimp). A Land or Sell License allows for commercial fishermen who have vessels with a documented homeport in a coastal state other than North Carolina to land and sell their catch in North Carolina. Commercial fishermen with a Land or Sell License cannot catch or harvest fish from inside North Carolina's state ocean or estuarine waters. For an out of state commercial fisherman to operate in North Carolina's state ocean or estuarine waters they need to have a SCFL or RSCFL. A Land or Sell License only allows an out of state commercial fishermen to sell catch from the federal ocean waters. The Non-Resident Menhaden License allows out of state commercial fishermen to harvest Atlantic Menhaden (*Brevoortia tyrannus*) and Atlantic Thread Herring (*Ophisthonema oglinum*) in North Carolina's state ocean or estuarine waters, and only

Atlantic Menhaden or Atlantic Thread Herring are allowed for harvest. This license was discontinued in 2013 when the North Carolina legislature made it unlawful to fish for Atlantic Menhaden with a mother ship and multiple purse seine boats. The main difference between the current license structure and the one prior, was that the primary licensing entity switched from the commercial fishing vessel to the commercial fisherman. Other data collected during the sale of a license includes the name of the individual commercial fisherman or business, address, date of birth, gender, and race. An economic survey is also conducted for each commercial fisherman that buys a license to determine whether 50% or more of their income is derived from commercial fishing.

A unique aspect to the current license structure is the ability for the owner of a SCFL to assign his license to another individual. During these cases, the assignee is the one who conducts the fishing activity and is required to hold the license while commercial fishing. The length of an assignment can vary from a day to a year. By rule (15A NCAC 03O .0109), all landings under an active assignment are attributed to the license holder. Since the length of an assignment is so variable and the landings are officially attributed to the license holder, assignments weren't accounted for when calculating participant counts.

If a commercial fisherman licensed under a SCFL, RSCFL, or Shellfish without a SCFL license intends to use a vessel, then they must also obtain a Commercial Fishing Vessel Registration (CFVR). The CFVR replaced the old Vessel license and allows commercial fishermen to use their vessel in a commercial fishing operation. Commercial fishermen who are licensed under a Land or Sell or a Non-Resident Menhaden License are not required to obtain a CFVR. The data elements collected during the sale of a CFVR include the following: NCDMF vessel identification number (known as the P-number), vessel length, gross tons, crew size, horsepower rating, fuel type, hull material, propulsion type, year built, amount of gear used on the vessel while commercial fishing, number of engines, and carrying capacity. The vessel length is a mandatory requirement for issuance of the CFVR while the other data elements are optional. These same data elements are also collected during the sale of a Land or Sell license or a Non-Resident Menhaden license. The vessel master is also recorded for each vessel.

Currently, when a seafood dealer fills out a trip ticket, the commercial fisherman's license number is recorded as well as the NCDMF vessel identification number. A simple count of licenses recorded in the NCTTP will not be an accurate count of commercial fishermen in the industry because a single fisherman can hold more than one license. However, the license numbers that are recorded on the trip ticket can be matched to those in the license database to allow for a more accurate count of commercial fishermen and allow for the determination of trends by fishermen demographic information (age, gender, race, etc.). The vessel identification numbers can also be linked back to the license data and similar trends for vessel characteristics can be determined.

2.4 ANALYSIS

The commercial landings, license, and quota monitoring data sets are stored in various locations on the NCDMF computer network. The individual commercial landings datasets covering the years prior to 1994 are stored as separate dataset files. The ETS and Vessel license data are stored in an old license database that was in use prior to July 1st, 1999. Data gathered from the NCTTP

and from the current license program are entered and stored into the NCDMF's Fisheries Information Network (FIN). Data for the NCQMP were stored in Microsoft Access® databases from 2000 to 2009. Starting in 2010, data from NCQMP was entered into FIN. SAS® was used to analyze, combine, and summarize these various data sets (SAS® 2004). The Data step and PROC SQL procedures were used to combine the various data sources and the PROC MEANS procedure was used to summarize the data accordingly. Once the summarized results were calculated, they were exported and graphed in Microsoft Excel® (Microsoft® 2019).

Commercial data were analyzed to illustrate trends in annual landings, ex-vessel value, and effort. Analysis includes the calculations of average statistics covering the time periods when Striped Bass were initially identified in the landings and when reporting programs were modified; years with no recorded landings or effort are also accounted for. Trends were broken down by area (district, county, management area, waterbody and port), by gear type (gillnet, haul seine, pound net, trawl, and other), by vessel size (in 10-foot increments), and by market grade (jumbo, large, medium, small and unclassified). The numbers of participants, vessels, trips, days at sea, crew size, and average catch per trip were used to illustrate trends in effort from 1994 to 2018. The number of participants only included properly licensed commercial fishermen and did not include crew size. Days at sea and crew size could only be analyzed from 1999 to 2018 because these data were not collected on trip tickets until July 1999.

Commercial fishermen and vessels that operated in this fishery, as determined by having landings of Striped Bass, were identified through the NCTTP. The data collected through the license program was then summarized for those fishermen and vessels that operated in the fishery. In some instances, the entity that held the commercial license was a business instead of an individual. In these instances, the vessel master was identified, and their data were used to help characterize the commercial fishermen that operated in these fisheries. The following demographic information was determined for commercial fishermen: average age, number of fishermen by gender, and number of fishermen by race. The demographic analysis for gender and race was limited to the period when the current license structure was started (July 1999). Also reported are the results of an economic survey question that is asked during license renewals (as mentioned above). The following vessel characteristics were determined: average age of vessels operating in the fishery, average horsepower rating, average number of engines, average gross tons, average length, number of vessels by hull material, and number of vessels by propulsion type. The average age of commercial fishermen and vessels were calculated on an annual basis and over the entire time series. This calculation was necessary to account for those fishermen and vessels that did not operate during the entire time frame, dropped out of the fishery completely, or entered the fishery in later years.

3 RESULTS

3.1 ANNUAL LANDINGS, EFFORT AND VALUE

Commercial landings of Striped Bass first appear on record in North Carolina in 1887 at nearly 500,000 pounds landed (Chestnut and Davis 1975). Annual data on commercial Striped Bass landings is not consecutive until 1950. Prior to 1950, annual landings fluctuated between 300,000

and 1,000,000 pounds. In 1902, annual landings reached 1,175,400 pounds, due to an increase in landings primarily in Dare county, but it is unclear why. From 1967 to 1976, annual landings surpassed 1,000,000 pounds each year. Following the notable increase in 1976, no single year had comparable landings. From 1976 until 1994, annual landings range from 100,000 to just over 500,000 pounds. Landings between 1994 and 2012 are consistently between 100,000 and 900,000 pounds annually. Striped Bass landings begin to decrease after 2012 with no harvest above 200,000 pounds. Landings from the Atlantic Ocean have not occurred since 2012, due to Striped Bass not being present within 3 miles (Table 3.1; Figure 3.1).

The ex-vessel value did not follow the same type of increasing trend as the landings in the early 1970s. For these years, ex-vessel value was between \$200,000 and \$500,000. An increase in ex-vessel value occurred between 2004 and 2011, reaching over \$1,000,000 annually, with exceptions in 2006, 2008 and 2009. Since 2012, the ex-vessel value has consistently been around \$400,000 (Figure 3.2).

The number of trips reporting landings of Striped Bass varied over time. A count of trips in 1994 was just over 3,000. Between 2000 and 2005, trips had increased to between 10,000 and 12,000 annually. After 2011, the number of trips never exceed 5,000 for a given year, following a trend similar to the decrease in commercial landings during this time period. The number of participants, vessels and seafood dealers for the Striped Bass fishery showed trends similar to the number of trips. The trends in trips, participants, and vessels declined overall from 2006 to 2018. The number of participants and vessels ranged from just over 200 to just over 1,000 while the number of dealers ranged from 31 to 101. The average number of tags from 2001 to 2018 was 45,000 (Table 3.3; Figures 3.4 and 3.5).

3.1.1 Landings and Effort by Area

The commercial Striped Bass fishery is split between four management units within North Carolina; 1) ASMA, 2) RRMA, 3) CSMA and 4) the Atlantic Ocean. For this analysis, commercial landings from the RRMA are attributed to the ASMA. Most of the Striped Bass commercial harvest occurred in the ASMA, which is comprised of four main waterbodies, the Albemarle Sound, Croatan and Currituck Sounds, and the Chowan River. The Atlantic Ocean follows in annual landings. The CSMA includes the Pamlico and Pungo Rivers, Pamlico Sound, Neuse River, Cape Fear River and all remaining waterbodies grouped as “other”. The ASMA also had the highest ex-vessel value from 1950 to 2018, followed by the Atlantic Ocean and CSMA. Trends in the number of Striped Bass tags followed landings with the ASMA, ranking highest from 2001 to 2018, as compared to the other management areas (Table 3.3; Figures 3.6 to 3.8)

Commercial landings occurred in all three districts of the state; Central, Northern and Southern. However, most of the landings from 1887 to 2018 occurred in the Northern district. Dare County accounted for most of the commercial landings, followed by Tyrrell and Chowan counties. The trends in landings, ex-vessel value, and trips by management area, water body, district, county, and port are described below.

3.1.1.1 Landings and Effort by Management Area

The ASMA accounted for the highest percentage of annual landings from 1887 to 2018, with 72.3% of the landings from this area coming from the Albemarle Sound. From 1950 to 1960, landings were consistently between 300,000 and 900,000 pounds. In 1967, landings increased to 945,500 pounds followed by an increase to over 1,200,000 pounds in 1968. In the years to follow, landings declined to levels similar to landings in the late 1950s. Overall, annual landings in the ASMA declined after 1987. After 1992, Striped Bass landings from the ocean are higher than those of the ASMA until 2012 when the Atlantic Ocean fishery drops to zero. Reaching a peak of 290,600 in 1970, annual landings from the CSMA remain lower than those in the other management areas (except for the ocean since 2012; Table 3.1; Figures 3.6).

Ex-vessel value was also highest in the ASMA, ranging between \$80,000 and \$500,000 from 1950 to 2018 and lacks many drastic changes in consecutive years. Ex-vessel value of Striped Bass from the ocean stayed below \$500,000 per year until 1985, after which a drastic decline was observed from 1985 until 1990. Ex-vessel values were on the rise after 1990, peaking in 2005 at \$1,173,387 before declining to zero in the years following 2012. Ex-vessel value of landings in the CSMA were lower than the other two management areas, with the annual ex-vessel value below \$75,000 until 1993 when a spike in ex-vessel value reached \$100,931. This anomaly is attributed to unusually high landings in an unknown waterbody which was assigned to the CSMA (Figure 3.7).

Trends in the number of trips landing Striped Bass from 1994 to 2018 are highest in the ASMA compared to the other management areas, ranging from 2,000 to over 10,000 trips. There were more dealers in the late 1990s in the CSMA, however, by 2014 there were more dealers reporting landings of Striped Bass in the ASMA. Annual participation (fishermen and vessels) in the fishery follows similar trends from 1994 to 2018. Annual counts of dealers, participants and vessels have slowly declined since the early 2000s (Figures 3.9 to 3.12).

3.1.1.2 Landings and Effort by Waterbody

Over 72% of the landings in the ASMA come from the Albemarle Sound followed by 11.2% coming from waterbodies categorized as “other”. The waterbody with the least landings in the ASMA is the Croatan Sound, contributing 2.4%. All waterbodies in the ASMA saw an increase in landings in the late 1960s and early 1970s. From 1950 to 2018, all waterbodies followed similar annual trends in landings. Trends in ex-vessel value for the ASMA are similar among waterbodies. The Albemarle Sound continues to make up the highest percentage (72.3%) of ex-vessel value by waterbody. All waterbodies show increased ex-vessel value in the late 1970s and another increase after 2015 (Tables 3.3 and 3.5; Figures 3.14 and 3.16).

The Pamlico and Pungo Rivers account for most of the landings in the CSMA from 1950 to 2018 (51.8%). Notable increases in annual landings were seen in the Pamlico and Pungo Rivers and Pamlico Sound during 1969 and 1970. The Cape Fear River reported zero landings since 2009; due to a harvest moratorium implemented, starting in 2008. Landings from the CSMA in years 2002 and 2003 were slightly higher than those of previous and following years. Due to individual morphometric measurements taken, it is assumed that these landings were not CSMA stock fish, but rather fish from the Atlantic Ocean migratory stock that came into estuarine waters and were landed during those years. They are included in the annual totals for the purpose of showing

landings by waterbody, as they were caught within the CSMA boundaries, but do not represent an anomaly within CSMA stock fish landings. The Pamlico and Pungo Rivers also make up most of the ex-vessel value for the CSMA. Since 2008, the Neuse River and Pamlico and Pungo Rivers have continued to increase in annual ex-vessel value. (Table 3.4 to 3.7; Figure 3.15 and 3.17)

3.1.1.3 Landings and Effort by District

Commercial harvest of Striped Bass occurred in all three districts; however, most of the landings (95%) and ex-vessel value (95%) came from the Northern district between 1887 and 2018. The Northern district also accounted for 94% of the commercial trips from 1994 to 2018. Ranking second, the Central district had 4% of the total landings and 5% of the ex-vessel value, from 1887 to 2018, as well as 5% of the trips from 1994 to 2018. The Southern district ranked third in all categories (less than 1%). As expected, the number of Striped Bass tags followed a similar pattern. (Table 3.8; Figure 3.19).

The annual trends in landings, value, and effort by district are depicted in Tables 3.9 to 3.11 and Figures 3.20 to 3.26.

3.1.1.4 Landings and Effort by County

Multiple counties are involved in the commercial Striped Bass fishery. However, thirteen account for the majority of the landings from 1887 to 2018: Beaufort, Bertie, Camden, Carteret, Chowan, Craven, Currituck, Dare, Hyde, Pasquotank, Perquimans, Tyrell and Washington. All other counties were grouped into the “Other” category. The Striped Bass fishery is concentrated in Dare County, which is in the Northern district. Dare County accounted for 42% of the total landings and 46% of the ex-vessel value from 1887 to 2018, with 42% of the total trips from 1994 to 2018. Dare County also accounted for most of the Striped Bass tags from 2002 to 2018 (41%; Table 3.12; Figure 3.27). The annual trends in landings, value, and effort by county are depicted in Tables 3.13 to 3.26 and Figures 3.28 to 3.34.

3.1.1.5 Landings and Effort by Port (dealer city)

Commercial landings and effort trends for Striped Bass were examined by port (dealer city) by using the data collected from the NCTTP, beginning in 1994. The ports were grouped into 10 categories based on location: 1) Edenton Area, 2) Elizabeth City Area, 3) Engelhard/Swan Quarter, 4) Hatteras Area, 5) New Bern/Beaufort/Down East, 6) Ocracoke, 7) Pamlico/Beaufort and Northern Craven Counties, 8) Wanchese Area, 9) Wilmington Area, and 10) Other. These port groupings were based on surrounding areas separated by geographical and physical barriers in addition to considering historical regional fishing activities. The dealer cities included in each port grouping is outlined in Table A.7.

Most of the commercial landings (42%) and ex-vessel value (42%) occurred in the Wanchese Area from 1994 to 2018. During this time, the Wanchese Area accounted for 27% of the trips while the Edenton Area (21%) and Other Ports (23%) accounted for similar portions. (Table 3.27, Figure 3.35)

The annual trends in landings, value, and effort by port are depicted in Tables 3.28 to 3.37 and Figures 3.36 to 3.41.

3.1.2 Landings and Effort by Gear

Striped Bass are primarily harvested by four main gears: 1.) gill net 2.) haul seine 3.) pound net and 4.) trawl. Any other gear reported was categorized as “other”. The gill net fishery is responsible for most of the commercial landings (46%) and ex-vessel value (61%) from 1887 to 2018. Gill nets also accounted for 87% of trips taken from 1994 to 2018. Haul seines and pound nets accounted for 37% of the commercial landings and 22% of the ex-vessel value while trawls made up 13% and 14% of the pounds landed and ex-vessel value from 1887 to 2018, respectively. (Table 3.38; Figure 3.42)

Participation and effort trends are similar for gill nets. The gill net fishery outweighed all other gear categories in annual number of participants and trips from 1994 to 2018. The number of vessels operating in the fishery also exhibited this trend. The number of seafood dealers reporting landings of Striped Bass from gill nets ranged from 37 to 92 during the same time period.

The trends in the average catch per trip by gear type for Striped Bass were highest in the trawl fishery. Averages in this fishery ranged from 0 to 2,971 pounds per trip annually. The average crew size landing Striped Bass across all gears was between 1 and 4 people, with the trawl fishery accounting for the highest average crew size. The average catch per day is also highest from trawls. The observed trends in the trawl fishery could be attributed to Striped Bass being landed as bycatch in oceanic trawl fisheries which tend to be operated with larger vessels that need more crew members to operate efficiently and tend to stay out at sea for longer periods of time. Harvest diversity in this fishery shows that trips for Striped Bass included landings of Atlantic Croaker (*Micropogonias undulates*) and Summer Flounder (*Paralichthys dentatu*). Observing landings of these species makes sense, as results show higher average crew and, on average, longer trip durations within the trawl fishery.

The annual trends in landings, value, and effort by gear are depicted in Tables 3.39 to 3.48 and Figures 3.43 to 3.54.

3.1.3 Landings and Effort by Vessel Size

An analysis of the trip ticket data showed that much of the landings and value for Striped Bass came from vessels that were within a range of 11 to 30 feet. Vessels within this length range also accounted for the most trips and typically had the longest number of days at sea. For Striped Bass, peaks in landings, value, trips, and days at sea occurred in vessels that ranged from 11 to 20 ft in length (Table 3.49; Figures 3.55 to 3.58).

The annual trends in crew size and days per trip across the various vessel sizes was relatively consistent for Striped Bass. The average crew size typically ranged around 2 to 3 fishermen per trip, for each vessel size per year. The average number of days at sea was generally, between 1 to 3, with several averages close to 5 in 2007 and 2008 reported for vessels greater than 50 feet. These values may represent special situations in which only a few vessels took part in an extended trip.

The average catch per trip by vessel size for Striped Bass was variable from 1994 to 2018. In the earlier part of the time series, vessels larger than 50 feet tended to have a higher catch per trip. However, by 1998, the mid-size vessels (30-50 ft) tended to have a higher average catch per trip. All trends in catch per trip declined after 2010. Most vessels using gill nets, haul seines, pound nets or other gears were 11 to 20 feet in length. Most vessels operating in the Striped Bass trawl fishery were greater than 50 feet.

The annual trends in the number of vessels, crew size, days per trip, average catch per day, and average days per trip by vessel size are plotted in Figures 3.59 to 3.62.

3.1.4 Landings by Market Grade

The market grade categories for Striped Bass are: jumbo, large, medium, small and unclassified. Most landings for Striped Bass were in the ‘unclassified’ market grade category. This category accounted for 82% of the landings and 79% of the ex-vessel value from 1979 to 2018, and 54% of trips taken from 1994 to 2018. Striped Bass graded as ‘large’ accounted for the second largest percentage of landings and ex-vessel value from 1994 to 2018. (Table 3.50; Figure 3.63)

The annual trends in landings, value, dealers and trips by market grade are depicted in Figures 3.64 to 3.67.

3.1.5 Landings and Effort by Month

Most of the Striped Bass commercial harvest and effort occurred during the late fall, winter and spring months (October through April). There was a significant decline in landings during the spring and summer months of May, June and July. This is likely due to management in place to determine the opening and closing of the Striped Bass quota. The average landings during the fall and winter months from 1994 to 2018 ranged from 900,000 to 5,000,000 pounds and during the spring months from 1,000,000 to 3,500,000 pounds. The total ex-vessel value trends followed the same patterns, since the value is closely related to the landings. The ex-vessel value during the fall and winter months ranged from \$700,000 to \$6,300,000 and during the summer the ex-vessel value ranged from \$2,000,000 to \$5,000,000. The total number of trips also peaked during these months for Striped Bass. Trips ranged from 5,000 to 30,000 in the fall and winter months and from 26,000 to 60,000 during the spring. The month of March had the most trips from 1994 to 2018. (Figures 3.68 and 3.69)

3.1.6 Vessel Characteristics

Vessel characteristics for the Striped Bass fishery are shown in Table 3.51. Vessels used in the fishery had an average age of 19 years and varied in hull material, with 11,609 having hulls of fiberglass, 2,935 of wood, 438 classified as unknown, 308 of steel and 232 having aluminum hulls. Vessels used had an average horsepower rating of 173, typically had one engine, and an average length of 23 feet. Additionally, most vessels averaged 22 gross tons, and had an average carrying capacity of 13,812 pounds. Most of these vessels (n=11,236) also used an outboard motor for

propulsion, with 3,273 using an inboard motor, 514 had a combination of inboard/outboard propulsion, 494 reported unknown and 5 as other (Tables 3.51 to 3.53; Figures 3.70 to 3.76).

3.1.7 Fisherman Characteristics

The average age of commercial fishermen for the Striped Bass fishery was approximately 46 from 1994 to 2018. In 1994, the average age per year started around 44 and gradually increased to about 48 years of age by 2018. Approximately 91% of participants were male and 96% were Caucasian. Females make up 8% of the participants and the other 1% is unknown. Trends in participation between known genders seemed consistent from 1994 to 2018. Races of African American, American Indian, Asian/Pacific Islands, Hispanic and Unknown make up the other 4% of participants in this fishery (Table 3.54; Figures 3.80 to 3.83) Results of an economic survey issued during license sales showed that many commercial fishermen who operated in this fishery generated more than 50% of their income from commercial fishing (Table 3.55 and Figure 3.84).

3.2 COMMERCIAL FISHING HARVEST DIVERSITY

Participants in the commercial Striped Bass fishery also have landings in a wide array of other fisheries. The average landings, across all species, for participants who had landings of Striped Bass was 15.9 million pounds from 1994 to 2018. Overall, the number of participants landing Striped Bass in the commercial fishery decreased from 1994 to 2018. The average annual number of species commercially harvested by Striped Bass fishermen was 148 from 1994 to 2018. The species recorded included a range of finfish and invertebrate species. The diversity of species that ranked in the top 10, based on pounds landed, varied over the years, with 22 different species occurring throughout the 1994 to 2018 period (Table 3.53). Blue Crab (*Callinectes sapidus*), Atlantic Croaker (*Micropogonias undulatus*), Bluefish (*Pomatomus saltatrix*) and Summer and Southern Flounder (*Paralichthys* spp.) were in the top 10 species throughout the entire 1994 to 2018 period, while jumping mullets (white and striped mullet) were in the top 10 for 24 years. Although the ranking of the species varied from year to year, the species composition was similar from 1994 to 2005 and then began to diverge after 2005. After 2005, Spanish and King Mackerel (*Scomberomorus* spp.) and Yellowfin Tuna (*Thunnus albacares*) appeared more often in the top ten species showing some of these fishermen moving from the gill-net fishery. This is can also be seen in the decrease in landings and trips from gillnets after 2005.

Participants in the Striped Bass fishery were tracked from 1994 to 2018 to determine how many fishermen from the mid 1990's remained in the fishery until 2018 as well as other fisheries they participated in. The number of participants in 1994 was 545. As time went on, the number of participants that continued to operate in North Carolina's commercial Striped Bass fishery declined. By 2018, only 143 participants still had commercial Striped Bass landings. Some of this attrition may have been due to participants getting too old to fish commercially or a lack of sufficient income. The top ten species in landings for the original participants from 1994 to 2018 is shown in Table 3.54. The diversity ranged from open ocean pelagic species, such as shark species and Yellowfin Tuna, to more inshore and estuarine species such as Bluefish and Atlantic Croaker and included Blue Crab in each year.

A similar analysis aimed to look at participants who had commercial landings in 2018 and see when their participation in the commercial fishery started. In 2018, 272 participants had Striped Bass landings. Only 94 of these 272 had landings of Striped Bass going back to 1994. This could be due to fishermen switching between fisheries or a small number of fishermen entering the fishery between 1994 and 2018. The top 10 species landed for participants in 2018 who were also operating in 1994 is shown in Table 3.55. The top species in many years was diverse, and included Scup (*Stenotomus chrysops*), tuna species, Blue Crab and shrimp. Of note is the development of the catfish fishery, which several participants moved into, starting in 2006. Specifically, Blue Catfish (*Ictalurus furcatus*) saw an increase in numbers, allowing that fishery to be used as one in which Striped Bass could be harvested as a bycatch.

4 DISCUSSION

Changes in management and seasonality likely account for multiple trends in Striped Bass landings from 1887 to 2018. The management of this species by four distinct areas (ASMA, RRMA, CSMA, and Ocean) and respective waterbodies allows for analysis of this fishery on multiple levels. Annual landings, ex-vessel value and trips taken vary over time and are reflected in trends separated by area, gear, and other characteristics. Striped Bass were landed in all three districts of the state; however, most of the landings occurred in Dare County, within the Northern district. The ASMA (also including the commercial landings from the RRMA) accounted for most of the Striped Bass landings in North Carolina since 1887. The Albemarle Sound is responsible for the largest portion of landings by waterbody within the State. Striped Bass were primarily harvested using gill nets, as this gear accounts for most of the landings from 1887 to 2018 (46%). Primarily driven by seasonal openings in the ASMA, the commercial fishery for Striped Bass occurred from late fall through early April. Due to price per pound of Striped Bass not differing between various grades, most landings are usually graded into an unclassified market category. However, occasionally, more descriptive categories of small, medium, large, and jumbo are recorded.

The commercial Striped Bass fishery has been subjected to many management changes over the years, including changes in quota allocations, gear restrictions and area and seasonal closures. These management measures have had different impacts on the commercial Striped Bass fishery. The ASMA is currently held at the highest quota (137,500 pounds), explaining high landings and ex-vessel value seen predominantly in this management area. Within the CSMA, TAL is set at 25,000 pounds; however, a moratorium has been in place for the Cape Fear River since 2008. Since 2005, landings of Striped Bass in the CSMA have remained close to the 25,000 pound quota. However, in 2008 landings decreased to just over 10,000 pounds. This could be attributed to the harvest moratorium implemented in this year for the Cape Fear River. Supplement A to the Amendment 1 was implemented in 2019 to protect the stock until the stock status could be determined (NCDMF 2019d).

TAL for the Atlantic Ocean is currently set at 360,360 pounds, split evenly between beach seine, gill net and trawl gears. However, there have been no commercial Striped Bass landings from the Atlantic Ocean since 2012. This is due to Striped Bass not being available for harvest by commercial fishermen within 3 miles of the North Carolina coast. It is possible that environmental factors, such as increasing water temperatures, affect this fishery. A study by Coutant (1990)

showed that adult Striped Bass tend to avoid water temperatures ranging above 25 °C. However, a lack of environmental data does not allow us to confirm this along the North Carolina coast. Regarding Striped Bass within this stock that do migrate to this area, the closure of the EEZ since 1990, would not allow possession of individuals caught farther than 3 miles into the Atlantic Ocean.

Commercial fishermen who have participated in the Striped Bass fishery share similar demographic characteristics with other commercial fishermen in North Carolina. The NCDMF has been conducting standardized socioeconomic surveys since 2000 (Diaby 2000, 2001; Chevront 2002, 2003; Chevront and Neal 2004; Crosson 2010; Hadley and Wiegand 2014; Stemle and Wiegand 2017a). These surveys are conducted on rotation by area based on need and funding availability. Commercial fishermen who operate in the Albemarle and Pamlico sounds were mostly Caucasian (98%), male (94%), at an average age of 52, and most used vessels ranging from 19 to 38 feet in length (Hadley and Wiegand 2014). On average, 75% of the commercial fishermen surveyed from the Albemarle and Pamlico Sound areas reported that most of their income came from commercial fishing. In the Core Sound area, Stemle and Wiegand (2017a) reported that the mean age for commercial fishermen was 57 with the majority being Caucasian (98%), and men (94%). In Core Sound, 50% of vessels used for commercial fishing were less than 19 feet and just over half of the survey respondents reported that they were full-time commercial fishermen. Commercial fishermen operating in the southern half of the state (from Beaufort Inlet to the NC/SC state line) were also mostly Caucasian (95%), men (96%), had an average age of 55 with 52% reporting they fished commercially full-time and used vessels ranging from 16 to 44 ft (Crosson 2010).

Currently, there are two studies that describe the socioeconomic characteristics for North Carolina's commercial ocean fisheries, Chevront and Neal (2004) and Stemle and Wiegand (2017b). Chevront and Neal (2004) surveyed snapper-grouper commercial fishermen who operated south of Cape Hatteras. Results indicated that snapper-grouper fishermen were primarily male (98%), Caucasian (98%), and used vessels ranging from 17 to 43 ft in length. The average age of these individuals was 47 and 60% indicated that fishing was their sole source of income. Stemle and Wiegand (2017b) surveyed North Carolina commercial fishermen who participated in fisheries in the Atlantic Ocean. Results from that survey showed that respondents were predominately male (99%), the majority were Caucasian (94%), 59% of them considered themselves to be full time commercial fishermen, and they had an average age of 52. On average, 67% of respondents rely on their commercial fishing activities for half of their primary income.

When comparing the results of these studies to the data gathered in this report for Striped Bass, the results are very similar, except for the average age, where Striped Bass commercial fishermen tended to be younger, with an average age of 46. The average vessel size for Striped Bass participants was between 11 and 20 ft, which is consistent with the vessel ranges reported in various socioeconomic surveys, especially those conducted for the Albemarle Sound. Most Striped Bass commercial fishermen indicated they generate more than 50% of their income from commercial fishing.

The geographic location of North Carolina allows commercial fishermen to participate in

a wide array of seasonal fisheries. Commercial fishermen who landed Striped Bass were generally opportunistic and harvested various species. Other species landed included: pelagic species (Spanish Mackerel and Yellowfin Tuna) and species typically caught in ocean and estuarine gillnet fisheries (Bluefish, Atlantic Croaker, and flounder species). Participation in the estuarine Blue Crab fishery was also prominent, having substantial landings from Striped Bass participants in each year after 1994. Those commercial fishermen who landed Striped Bass in 2018 tended to also be involved in the catfish fishery as several participants moved into this fishery after 2006 when Blue Catfish numbers started to rise. Striped Bass are likely harvested in addition to catfish as Striped Bass are likely a by-catch fishery. The same type of gear is used to harvest catfish and it is easier to operate within this fishery. Of participants who landed Striped Bass in 1994, 402 had dropped out of the fishery completely by 2018. Possible causes of this could be area closures and gear restrictions, making it more difficult to operate, or increasing fisherman age. In 2018, 272 participants had landings of Striped Bass. Of these, 94 had commercial landings going back to 1994. This advancement could be due to switching between multiple fisheries or a small number of new commercial fishermen entering the fishery between 1994 and 2018.

The results of this study are based on determining all participants who had commercial landings of Striped Bass. Thus, it will include more than just those participants who exclusively targeted Striped Bass. Within the ASMA, the commercial harvest of Striped Bass must be done in conjunction with other finfish species, as to not exceed 50% by weight of the daily combined harvest (Proclamation FF-37-2018). Striped Bass as a by-catch fishery in the ASMA is also a factor that has impacted the species diversity trends. Traditionally, a large portion of Striped Bass harvest occurred within the American Shad (*Alosa sapidissima*) fishery as bycatch with use of gillnets. The American Shad Sustainable Fishery Plan (SFP) included seasonal closures that caused fishermen to move into other target fisheries to additionally harvest Striped Bass (NCDMF 2017). Those fishermen who landed Striped Bass incidentally in the earlier years were still included in the diversity analysis in the later years to account for all possible trends in diversity. The target species for a commercial fishing trip is not reported through the NCTTP, so some other criteria would need to be used to select for only those participants who targeted Striped Bass on a trip. Participants in the Striped Bass fishery also participate in a wide range of other fisheries, making it easier for them to continue commercial harvest, even after recent changes in management such as area closures, gear restrictions and seasonal changes. An example of this is seen as a result of the harvest moratorium placed on the Cape Fear River. Participants in multiple fisheries, including the Striped Bass fishery, were still able to commercially harvest other species after the moratorium was put in place, showing the lessened impacts of the changes to participants engaging in higher harvest diversity. The gill net closure prohibiting the use of all gill nets upstream of the ferry lines from the Bayview Ferry to Aurora Ferry (Pamlico River) and the Minnesott Beach Ferry to Cherry Branch Ferry (Neuse River) also impacted these fishermen (Proclamation M-6-2019).

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6 TABLES

Table 3.1. Total commercial landings of Striped Bass by management area in North Carolina, 1887 to 2018. Note: landings from 1887 to 1950 were not collected annually.

Year	ASMA	CSMA	Ocean	Total	% Pounds ASMA	% Pounds CSMA	% Pounds Ocean
1887	322,977	66,772	109,837	499,586	64.65	13.37	21.99
1888	370,784	79,162	110,408	560,354	66.17	14.13	19.70
1889	331,979	67,073	132,297	531,349	62.48	12.62	24.90
1890	379,952	75,452	172,936	628,341	60.47	12.01	27.52
1897	671,508	133,914	174,351	979,773	68.54	13.67	17.80
1902	826,575	170,812	178,013	1,175,400	70.32	14.53	15.14
1908	344,729	59,122	106,149	510,000	67.59	11.59	20.81
1918	220,560	48,836	19,600	288,995	76.32	16.90	6.78
1923	316,175	47,455	113,371	477,001	66.28	9.95	23.77
1927	539,643	85,171	113,191	738,005	73.12	11.54	15.34
1928	325,544	54,799	132,940	507,406	63.42	10.68	25.90
1929	168,134	29,883	48,341	246,357	68.25	12.13	19.62
1930	290,993	43,905	121,978	456,876	63.69	9.61	26.70
1931	187,710	27,599	111,200	326,510	57.49	8.45	34.06
1932	324,848	39,197	142,716	506,760	64.10	7.73	28.16
1934	240,637	35,931	85,432	362,000	66.47	9.93	23.60
1936	605,664	94,744	82,793	783,200	77.33	12.10	10.57
1937	512,661	85,984	118,855	717,500	71.45	11.98	16.57
1938	333,875	61,538	127,287	522,700	63.87	11.77	24.35
1939	263,805	47,065	28,730	339,600	77.68	13.86	8.46
1940	434,763	75,544	29,593	539,900	80.53	13.99	5.48
1945	505,620	77,833	25,047	608,500	83.09	12.79	4.12
1950	524,282	90,044	182,473	796,800	65.80	11.30	22.90
1951	451,736	71,772	178,692	702,200	64.33	10.22	25.45
1952	427,273	65,896	153,831	647,000	66.04	10.18	23.78
1953	494,328	81,939	180,734	757,000	65.30	10.82	23.87
1954	844,709	171,254	105,738	1,121,700	75.31	15.27	9.43
1955	583,800	98,038	54,162	736,000	79.32	13.32	7.36
1956	606,389	104,684	52,428	763,500	79.42	13.71	6.87
1957	491,348	75,321	30,331	597,000	82.30	12.62	5.08
1958	820,325	110,232	165,443	1,096,000	74.85	10.06	15.10
1959	631,705	80,071	159,724	871,500	72.48	9.19	18.33
1960	531,774	78,802	171,724	782,300	67.98	10.07	21.95
1961	388,593	58,590	102,517	549,700	70.69	10.66	18.65
1962	504,800	92,500	150,000	747,300	67.55	12.38	20.07
1963	587,100	73,700	75,000	735,800	79.79	10.02	10.19

Table 3.1. (continued) Total commercial landings of Striped Bass by management area in North Carolina, 1887 to 2018 Note: landings from 1887 to 1950 were not collected annually.

Year	ASMA	CSMA	Ocean	Total	% Pounds ASMA	% Pounds CSMA	% Pounds Ocean
1964	564,200	65,300	85,000	714,500	78.96	9.14	11.90
1965	367,900	56,800	59,600	484,300	75.97	11.73	12.31
1966	547,400	73,900	31,500	652,800	83.85	11.32	4.83
1967	945,500	127,700	744,000	1,817,200	52.03	7.03	40.94
1968	1,296,700	176,300	438,800	1,911,800	67.83	9.22	22.95
1969	913,600	199,200	455,200	1,568,000	58.27	12.70	29.03
1970	773,600	290,600	1,253,300	2,317,500	33.38	12.54	54.08
1971	615,300	92,100	741,600	1,449,000	42.46	6.36	51.18
1972	314,434	119,579	827,047	1,261,060	24.93	9.48	65.58
1973	535,301	108,466	1,108,169	1,751,936	30.55	6.19	63.25
1974	449,477	73,398	493,316	1,016,191	44.23	7.22	48.55
1975	635,617	82,585	584,995	1,303,197	48.77	6.34	44.89
1976	676,401	29,460	332,293	1,038,154	65.15	2.84	32.01
1977	469,718	11,231	90,702	571,651	82.17	1.96	15.87
1978	524,999	8,287	164,578	697,864	75.23	1.19	23.58
1979	326,848	47,256	240,080	614,184	53.22	7.69	39.09
1980	376,510	74,159	21,834	472,503	79.68	15.69	4.62
1981	333,484	32,299	51,541	417,324	79.91	7.74	12.35
1982	228,004	17,433	92,873	338,310	67.39	5.15	27.45
1983	288,742	19,737	52,796	361,275	79.92	5.46	14.61
1984	475,640	22,755	14,501	512,896	92.74	4.44	2.83
1985	269,671	10,086	183	279,940	96.33	3.60	0.07
1986	172,683	16,298	11	188,992	91.37	8.62	0.01
1987	228,861	33,360	0	262,221	87.28	12.72	0.00
1988	108,791	7,085	39	115,915	93.85	6.11	0.03
1989	97,061	3,677	92	100,830	96.26	3.65	0.09
1990	103,757	1,512	8,670	113,939	91.06	1.33	7.61
1991	108,460	8,170	6,186	122,816	88.31	6.65	5.04
1992	100,549	32,758	27,702	161,009	62.45	20.35	17.21
1993	109,475	77,301	75,671	262,447	41.71	29.45	28.83
1994	102,370	19,858	139,672	261,900	39.09	7.58	53.33
1995	87,836	14,325	344,627	446,789	19.66	3.21	77.13
1996	90,133	33,250	58,217	181,600	49.63	18.31	32.06
1997	96,122	28,520	463,144	587,786	16.35	4.85	78.79
1998	123,927	25,973	272,969	422,869	29.31	6.14	64.55
1999	162,870	33,959	391,482	588,311	27.68	5.77	66.54
2000	214,023	31,048	162,369	407,440	52.53	7.62	39.85
2001	220,233	24,705	381,115	626,052	35.18	3.95	60.88
2002	222,856	37,585	441,018	701,459	31.77	5.36	62.87

Table 3.1. (continued) Total commercial landings of Striped Bass by management area in North Carolina, 1887 to 2018. Note: landings from 1887 to 1950 were not collected annually.

Year	ASMA	CSMA	Ocean	Total	% Pounds ASMA	% Pounds CSMA	% Pounds Ocean
2003	323,337	41,384	201,199	565,919	57.13	7.31	35.55
2004	273,565	32,479	605,356	911,399	30.02	3.56	66.42
2005	232,693	27,132	604,464	864,289	26.92	3.14	69.94
2006	186,399	21,149	74,189	281,736	66.16	7.51	26.33
2007	171,682	25,008	379,467	576,157	29.80	4.34	65.86
2008	74,921	10,115	288,410	373,445	20.06	2.71	77.23
2009	96,134	24,507	189,963	310,604	30.95	7.89	61.16
2010	199,829	23,888	276,435	500,152	39.95	4.78	55.27
2011	136,266	28,054	246,366	410,685	33.18	6.83	59.99
2012	115,605	22,725	6,226	144,555	79.97	15.72	4.31
2013	68,338	28,597	0	96,935	70.50	29.50	0.00
2014	70,989	25,245	0	96,233	73.77	26.23	0.00
2015	114,488	27,336	0	141,824	80.73	19.27	0.00
2016	123,111	23,041	0	146,153	84.23	15.77	0.00
2017	75,991	23,018	0	99,009	76.75	23.25	0.00
2018	114,406	20,057	0	134,463	85.08	14.92	0.00

Table 3.2. Annual number of trips, dealers, participants, and vessels recording landings of Striped Bass, 1994 to 2018. Annual number of tags from 2001 to 2018. Note: 2000 is not included for tags because data is not provided for the entire year.

Year	Trips	Dealers	Participants	Vessels	Tags
1994	3,346	77	546	587	
1995	6,540	90	747	816	
1996	6,639	91	612	655	
1997	8,715	101	814	896	
1998	6,702	95	706	793	
1999	9,097	91	699	855	
2000	11,706	85	698	847	
2001	12,066	93	751	885	75,638
2002	11,279	86	814	948	66,844
2003	11,455	86	771	894	62,963
2004	9,347	88	846	891	68,648
2005	10,877	87	1,028	985	75,849
2006	7,962	81	614	655	41,694
2007	8,240	74	812	716	51,253
2008	4,394	70	636	606	27,303
2009	4,784	52	484	495	30,735
2010	7,199	56	492	498	61,897

Table 3.2. (continued) Annual number of trips, dealers, participants, and vessels recording landings of Striped Bass, 1994 to 2018. Annual number of tags from 2001 to 2018. Note: 2000 is not included for tags because data is not provided for the entire year.

Year	Trips	Dealers	Participants	Vessels	Tags
2011	5,569	48	494	489	58,256
2012	4,207	34	329	315	31,519
2013	3,648	46	350	348	19,806
2014	3,660	46	331	325	20,358
2015	4,852	45	337	341	34,639
2016	4,930	45	280	271	35,264
2017	3,525	43	275	285	22,052
2018	4,383	45	273	269	31,521

Table 3.3 Annual dealers, participants, vessels, trips and tags for Striped Bass by area, 1980 to 2018.

Year	Dealers			Participants			Vessels			Trips			Tags		
	ASMA	CSMA	Ocean	ASMA	CSMA	Ocean	ASMA	CSMA	Ocean	ASMA	CSMA	Ocean	ASMA	CSMA	Ocean
1980	24	23	20												
1981	17	12	27												
1982	25	18	28												
1983	25	17	18												
1984	26	18	17												
1985	22	18	2												
1986	18	20	1												
1987	16	19	0												
1988	15	19	1												
1989	16	14	1												
1990	17	11	11												
1991	17	16	5												
1992	21	24	8												
1993	20	27	16												
1994	36	37	30	400	123	74	430	125	80	2603	525	218			
1995	37	48	45	429	164	256	459	177	274	4669	741	1130			
1996	43	58	26	414	195	75	449	211	77	4913	1576	150			
1997	41	60	42	443	290	248	484	316	266	5773	1867	1075			
1998	37	55	40	364	263	214	411	283	234	4563	1530	609			
1999	40	50	35	379	217	218	470	259	245	6845	1674	578			
2000	43	45	25	446	235	93	574	259	97	9926	1535	245			
2001	43	46	39	428	195	273	519	203	306	9944	1083	1039	48,597	3,988	23,053
2002	37	40	38	407	195	395	492	199	423	9346	972	961	39,983	3,685	23,176
2003	37	44	33	403	226	297	495	244	305	9750	1107	598	48,190	3,606	11,167

Table 3.3 (continued) Annual dealers, participants, vessels, trips and tags for Striped Bass by area, 1980 to 2018.

Year	Dealers			Participants			Vessels			Trips			Tags		
	ASMA	CSMA	Ocean	ASMA	CSMA	Ocean	ASMA	CSMA	Ocean	ASMA	CSMA	Ocean	ASMA	CSMA	Ocean
2004	27	37	51	325	144	553	347	153	555	7091	928	1328	32,231	4,222	32,195
2005	35	35	57	394	186	730	421	192	608	8144	1092	1642	42,793	4,021	29,035
2006	37	36	34	351	144	201	384	150	194	6703	939	320	35,836	2,861	2,997
2007	33	25	46	333	148	537	350	151	384	5528	1174	1539	29,783	3,840	17,630
2008	34	23	40	278	110	370	292	108	311	2857	706	831	12,971	1,808	12,524
2009	29	23	21	279	103	164	299	102	153	3504	906	374	17,914	4,140	8,681
2010	32	22	19	327	103	123	324	109	120	6116	680	403	42,571	4,486	14,840
2011	26	19	21	276	80	218	278	77	203	4212	661	696	35,611	4,740	17,905
2012	22	15	4	264	69	10	254	65	10	3612	571	24	27,501	3,693	325
2013	25	26	0	268	97	0	262	97	0	2864	784	0	15,357	4,449	0
2014	31	24	0	236	125	0	230	125	0	2834	826	0	14,528	5,830	0
2015	29	19	0	237	104	0	243	101	0	4043	809	0	28,606	6,033	0
2016	30	19	0	197	94	0	187	92	0	4245	685	0	31,171	4,123	0
2017	28	18	0	178	100	0	184	104	0	2717	808	0	17,670	4,382	0
2018	28	23	0	193	96	0	186	97	0	3600	783	0	27,733	3,788	0

Table 3.4 Annual landings of Striped Bass by waterbody in the Albemarle Sound Management Area (ASMA), 1887 to 2018.

Year	Albemarle Sound	Chowan River	Croatan Sound	Currituck Sound	Other	Total Pounds	% Albemarle Sound	% Chowan River	% Croatan Sound	% Currituck Sound	% Other
1887	233,661	23,148	7,735	20,888	37,545	322,977	72.35	7.17	2.39	6.47	11.62
1888	268,248	26,574	8,879	23,980	43,102	370,784	72.35	7.17	2.39	6.47	11.62
1889	240,174	23,793	7,950	21,470	38,591	331,979	72.35	7.17	2.39	6.47	11.62
1890	274,881	27,231	9,099	24,573	44,168	379,952	72.35	7.17	2.39	6.47	11.62
1897	485,811	48,127	16,081	43,429	78,060	671,508	72.35	7.17	2.39	6.47	11.62
1902	597,996	59,241	19,795	53,457	96,086	826,575	72.35	7.17	2.39	6.47	11.62
1908	249,399	24,707	8,255	22,295	40,074	344,729	72.35	7.17	2.39	6.47	11.62
1918	159,567	15,808	5,282	14,264	25,639	220,560	72.35	7.17	2.39	6.47	11.62
1923	228,741	22,660	7,572	20,448	36,754	316,175	72.35	7.17	2.39	6.47	11.62
1927	390,412	38,676	12,923	34,901	62,732	539,643	72.35	7.17	2.39	6.47	11.62
1928	235,519	23,332	7,796	21,054	37,843	325,544	72.35	7.17	2.39	6.47	11.62
1929	121,638	12,050	4,026	10,874	19,545	168,134	72.35	7.17	2.39	6.47	11.62
1930	210,523	20,856	6,969	18,820	33,827	290,993	72.35	7.17	2.39	6.47	11.62
1931	135,801	13,453	4,495	12,140	21,821	187,710	72.35	7.17	2.39	6.47	11.62
1932	235,015	23,282	7,779	21,009	37,762	324,848	72.35	7.17	2.39	6.47	11.62
1934	174,092	17,246	5,763	15,563	27,973	240,637	72.35	7.17	2.39	6.47	11.62
1936	438,175	43,408	14,504	39,170	70,406	605,664	72.35	7.17	2.39	6.47	11.62
1937	370,891	36,742	12,277	33,156	59,595	512,661	72.35	7.17	2.39	6.47	11.62
1938	241,546	23,929	7,996	21,593	38,812	333,875	72.35	7.17	2.39	6.47	11.62
1939	190,853	18,907	6,318	17,061	30,666	263,805	72.35	7.17	2.39	6.47	11.62
1940	314,534	31,159	10,412	28,118	50,540	434,763	72.35	7.17	2.39	6.47	11.62
1945	365,797	36,238	12,108	32,700	58,777	505,620	72.35	7.17	2.39	6.47	11.62
1950	379,298	37,575	12,555	33,907	60,946	524,282	72.35	7.17	2.39	6.47	11.62
1951	326,814	32,376	10,818	29,215	52,513	451,736	72.35	7.17	2.39	6.47	11.62
1952	309,116	30,623	10,232	27,633	49,669	427,273	72.35	7.17	2.39	6.47	11.62
1953	357,628	35,428	11,838	31,970	57,464	494,328	72.35	7.17	2.39	6.47	11.62

Table 3.4 (continued) Annual landings of Striped Bass by waterbody in the Albemarle Sound Management Area (ASMA), 1887 to 2018.

Year	Albemarle Sound	Chowan River	Croatan Sound	Currituck Sound	Other	Total Pounds	% Albemarle Sound	% Chowan River	% Croatan Sound	% Currituck Sound	% Other
1954	611,115	60,540	20,229	54,630	98,194	844,709	72.35	7.17	2.39	6.47	11.62
1955	422,357	41,841	13,981	37,756	67,865	583,800	72.35	7.17	2.39	6.47	11.62
1956	438,699	43,460	14,522	39,217	70,491	606,389	72.35	7.17	2.39	6.47	11.62
1957	355,472	35,215	11,767	31,777	57,117	491,348	72.35	7.17	2.39	6.47	11.62
1958	593,474	58,793	19,645	53,053	95,360	820,325	72.35	7.17	2.39	6.47	11.62
1959	457,015	45,274	15,128	40,854	73,434	631,705	72.35	7.17	2.39	6.47	11.62
1960	384,718	38,112	12,735	34,392	61,817	531,774	72.35	7.17	2.39	6.47	11.62
1961	281,132	27,850	9,306	25,132	45,173	388,593	72.35	7.17	2.39	6.47	11.62
1962	373,200	16,000	20,000	52,500	43,100	504,800	73.93	3.17	3.96	10.40	8.54
1963	460,700	27,900	12,000	32,000	54,500	587,100	78.47	4.75	2.04	5.45	9.28
1964	387,400	16,100	15,000	31,500	114,200	564,200	68.66	2.85	2.66	5.58	20.24
1965	300,900	35,000	7,000	18,000	7,000	367,900	81.79	9.51	1.90	4.89	1.90
1966	322,300	85,100	7,700	32,900	99,400	547,400	58.88	15.55	1.41	6.01	18.16
1967	627,300	184,700	2,900	24,300	106,300	945,500	66.35	19.53	0.31	2.57	11.24
1968	942,900	157,700	39,900	74,300	81,900	1,296,700	72.72	12.16	3.08	5.73	6.32
1969	580,400	203,500	18,700	19,700	91,300	913,600	63.53	22.27	2.05	2.16	9.99
1970	449,700	157,200	14,300	6,000	146,400	773,600	58.13	20.32	1.85	0.78	18.92
1971	363,800	125,300	11,900	2,500	111,800	615,300	59.13	20.36	1.93	0.41	18.17
1972	218,125	79,157	0	0	17,152	314,434	69.37	25.17	0.00	0.00	5.45
1973	324,406	152,968	8,324	0	49,603	535,301	60.60	28.58	1.56	0.00	9.27
1974	258,955	72,459	3,773	31,602	82,688	449,477	57.61	16.12	0.84	7.03	18.40
1975	488,635	82,577	7,217	1,920	55,268	635,617	76.88	12.99	1.14	0.30	8.70
1976	583,285	61,192	940	1,000	29,984	676,401	86.23	9.05	0.14	0.15	4.43
1977	342,782	47,049	320	0	79,567	469,718	72.98	10.02	0.07	0.00	16.94
1978	413,376	59,164	568	8,300	43,591	524,999	78.74	11.27	0.11	1.58	8.30

Table 3.4 (continued) Annual landings of Striped Bass by waterbody in the Albemarle Sound Management Area (ASMA), 1887 to 2018.

Year	Albemarle Sound	Chowan River	Croatan Sound	Currituck Sound	Other	Total Pounds	% Albemarle Sound	% Chowan River	% Croatan Sound	% Currituck Sound	% Other
1979	210,021	25,366	4,555	4,426	82,480	326,848	64.26	7.76	1.39	1.35	25.23
1980	311,587	16,562	713	10,680	36,968	376,510	82.76	4.40	0.19	2.84	9.82
1981	273,698	27,707	1,213	1,592	29,274	333,484	82.07	8.31	0.36	0.48	8.78
1982	141,388	31,710	5,784	9,745	39,377	228,004	62.01	13.91	2.54	4.27	17.27
1983	237,809	11,467	6,126	709	32,631	288,742	82.36	3.97	2.12	0.25	11.30
1984	381,057	36,558	3,743	5,609	48,673	475,640	80.11	7.69	0.79	1.18	10.23
1985	191,031	36,250	76	326	41,988	269,671	70.84	13.44	0.03	0.12	15.57
1986	143,461	9,356	757	1,763	17,346	172,683	83.08	5.42	0.44	1.02	10.04
1987	218,527	5,313	3,085	0	1,936	228,861	95.48	2.32	1.35	0.00	0.85
1988	80,774	2,764	1,010	8,249	15,994	108,791	74.25	2.54	0.93	7.58	14.70
1989	72,208	4,543	1,375	65	18,870	97,061	74.39	4.68	1.42	0.07	19.44
1990	89,903	6,851	947	0	6,056	103,757	86.65	6.60	0.91	0.00	5.84
1991	102,193	3,967	2,288	12	0	108,460	94.22	3.66	2.11	0.01	0.00
1992	93,597	3,998	624	72	2,258	100,549	93.09	3.98	0.62	0.07	2.25
1993	104,797	1,867	959	1,787	65	109,475	95.73	1.71	0.88	1.63	0.06
1994	61,849	1,600	24,694	6,338	7,890	102,370	60.42	1.56	24.12	6.19	7.71
1995	69,752	3,491	6,164	2,830	5,599	87,836	79.41	3.97	7.02	3.22	6.37
1996	62,384	3,210	16,041	1,032	7,467	90,133	69.21	3.56	17.80	1.14	8.28
1997	57,461	11,651	20,221	2,127	4,662	96,122	59.78	12.12	21.04	2.21	4.85
1998	80,722	13,847	22,720	912	5,726	123,927	65.14	11.17	18.33	0.74	4.62
1999	105,617	13,165	35,542	2,066	6,480	162,870	64.85	8.08	21.82	1.27	3.98
2000	142,476	14,366	44,680	2,157	10,344	214,023	66.57	6.71	20.88	1.01	4.83
2001	144,377	9,948	47,790	2,898	15,221	220,233	65.56	4.52	21.70	1.32	6.91
2002	114,237	11,428	70,289	2,115	24,788	222,856	51.26	5.13	31.54	0.95	11.12
2003	211,091	12,474	79,687	2,670	17,416	323,337	65.28	3.86	24.65	0.83	5.39
2004	132,678	4,317	102,536	655	33,379	273,565	48.50	1.58	37.48	0.24	12.20

Table 3.4 (continued) Annual landings of Striped Bass by waterbody in the Albemarle Sound Management Area (ASMA), 1887 to 2018.

Year	Albemarle Sound	Chowan River	Croatan Sound	Currituck Sound	Other	Total Pounds	% Albemarle Sound	% Chowan River	% Croatan Sound	% Currituck Sound	% Other
2005	169,431	6,530	45,818	2,544	8,371	232,693	72.81	2.81	19.69	1.09	3.60
2006	130,842	12,402	33,072	1,516	8,567	186,399	70.19	6.65	17.74	0.81	4.60
2007	110,165	9,972	41,924	3,109	6,513	171,682	64.17	5.81	24.42	1.81	3.79
2008	53,006	7,211	10,432	2,318	1,954	74,921	70.75	9.62	13.92	3.09	2.61
2009	54,429	9,572	13,023	2,794	16,316	96,134	56.62	9.96	13.55	2.91	16.97
2010	139,071	12,571	26,370	3,759	18,058	199,829	69.60	6.29	13.20	1.88	9.04
2011	93,608	16,035	11,163	6,267	9,193	136,266	68.69	11.77	8.19	4.60	6.75
2012	77,604	18,206	11,758	2,469	5,568	115,605	67.13	15.75	10.17	2.14	4.82
2013	51,683	4,769	6,241	1,682	3,963	68,338	75.63	6.98	9.13	2.46	5.80
2014	44,832	2,665	16,276	1,956	5,260	70,989	63.15	3.75	22.93	2.76	7.41
2015	84,441	7,067	11,875	4,770	6,336	114,488	73.75	6.17	10.37	4.17	5.53
2016	108,662	9,297	1,808	2,347	997	123,111	88.26	7.55	1.47	1.91	0.81
2017	54,002	14,071	3,421	1,359	3,139	75,991	71.06	18.52	4.50	1.79	4.13
2018	83,701	17,701	5,649	1,859	5,497	114,406	73.16	15.47	4.94	1.62	4.80

Table 3.5 Annual landings of Striped Bass by waterbody in the Central Southern Management Area (CSMA), 1887 to 2018.

Year	Cape Fear River	Neuse River	Other	Pamlico Sound	Pamlico and Pungo Rivers	Total pounds	% Cape Fear River	% Neuse River	% Other	% Pamlico Sound	% Pamlico and Pungo Rivers
1887	974	10,868	36	20,297	34,597	66,772	1.46	16.28	0.05	30.40	51.81
1888	1,154	12,885	43	24,064	41,017	79,162	1.46	16.28	0.05	30.40	51.81
1889	978	10,917	36	20,389	34,753	67,073	1.46	16.28	0.05	30.40	51.81
1890	1,100	12,281	41	22,936	39,094	75,452	1.46	16.28	0.05	30.40	51.81
1897	1,953	21,796	72	40,707	69,386	133,914	1.46	16.28	0.05	30.40	51.81
1902	2,491	27,802	92	51,924	88,504	170,812	1.46	16.28	0.05	30.40	51.81

Table 3.5 (continued) Annual landings of Striped Bass by waterbody in the Central Southern Management Area (CSMA), 1887 to 2018.

Year	Cape Fear River	Neuse River	Other	Pamlico Sound	Pamlico and Pungo Rivers	Total pounds	% Cape Fear River	% Neuse River	% Other	% Pamlico Sound	% Pamlico and Pungo Rivers
1908	862	9,623	32	17,972	30,633	59,122	1.46	16.28	0.05	30.40	51.81
1918	712	7,949	26	14,845	25,304	48,836	1.46	16.28	0.05	30.40	51.81
1923	692	7,724	26	14,425	24,588	47,455	1.46	16.28	0.05	30.40	51.81
1927	1,242	13,863	46	25,890	44,130	85,171	1.46	16.28	0.05	30.40	51.81
1928	799	8,919	30	16,658	28,393	54,799	1.46	16.28	0.05	30.40	51.81
1929	436	4,864	16	9,084	15,483	29,883	1.46	16.28	0.05	30.40	51.81
1930	640	7,146	24	13,346	22,748	43,905	1.46	16.28	0.05	30.40	51.81
1931	402	4,492	15	8,390	14,300	27,599	1.46	16.28	0.05	30.40	51.81
1932	572	6,380	21	11,915	20,309	39,197	1.46	16.28	0.05	30.40	51.81
1934	524	5,848	19	10,922	18,617	35,931	1.46	16.28	0.05	30.40	51.81
1936	1,381	15,421	51	28,800	49,090	94,744	1.46	16.28	0.05	30.40	51.81
1937	1,254	13,995	47	26,138	44,551	85,984	1.46	16.28	0.05	30.40	51.81
1938	897	10,016	33	18,706	31,885	61,538	1.46	16.28	0.05	30.40	51.81
1939	686	7,660	25	14,307	24,386	47,065	1.46	16.28	0.05	30.40	51.81
1940	1,102	12,296	41	22,964	39,142	75,544	1.46	16.28	0.05	30.40	51.81
1945	1,135	12,668	42	23,660	40,328	77,833	1.46	16.28	0.05	30.40	51.81
1950	1,313	14,656	49	27,372	46,655	90,044	1.46	16.28	0.05	30.40	51.81
1951	1,047	11,682	39	21,817	37,188	71,772	1.46	16.28	0.05	30.40	51.81
1952	961	10,725	36	20,031	34,143	65,896	1.46	16.28	0.05	30.40	51.81
1953	1,195	13,337	44	24,908	42,455	81,939	1.46	16.28	0.05	30.40	51.81
1954	2,497	27,874	93	52,058	88,732	171,254	1.46	16.28	0.05	30.40	51.81
1955	1,429	15,957	53	29,802	50,797	98,038	1.46	16.28	0.05	30.40	51.81
1956	1,526	17,039	57	31,822	54,240	104,684	1.46	16.28	0.05	30.40	51.81
1957	1,098	12,260	41	22,896	39,027	75,321	1.46	16.28	0.05	30.40	51.81
1958	1,607	17,942	60	33,508	57,115	110,232	1.46	16.28	0.05	30.40	51.81
1959	1,168	13,033	43	24,340	41,487	80,071	1.46	16.28	0.05	30.40	51.81

Table 3.5 (continued) Annual landings of Striped Bass by waterbody in the Central Southern Management Area (CSMA), 1887 to 2018.

Year	Cape Fear River	Neuse River	Other	Pamlico Sound	Pamlico and Pungo Rivers	Total pounds	% Cape Fear River	% Neuse River	% Other	% Pamlico Sound	% Pamlico and Pungo Rivers
1960	1,149	12,826	43	23,954	40,830	78,802	1.46	16.28	0.05	30.40	51.81
1961	854	9,536	32	17,810	30,358	58,590	1.46	16.28	0.05	30.40	51.81
1962	1,600	28,300	0	24,200	38,400	92,500	1.73	30.59	0.00	26.16	41.51
1963	1,000	19,200	0	17,900	35,600	73,700	1.36	26.05	0.00	24.29	48.30
1964	500	10,900	0	24,600	29,300	65,300	0.77	16.69	0.00	37.67	44.87
1965	800	3,800	0	17,600	34,600	56,800	1.41	6.69	0.00	30.99	60.92
1966	1,500	1,000	200	24,300	46,900	73,900	2.03	1.35	0.27	32.88	63.46
1967	3,100	400	0	31,300	92,900	127,700	2.43	0.31	0.00	24.51	72.75
1968	1,700	300	1,900	21,800	150,600	176,300	0.96	0.17	1.08	12.37	85.42
1969	3,800	0	3,200	2,800	189,400	199,200	1.91	0.00	1.61	1.41	95.08
1970	5,700	100	0	184,500	100,300	290,600	1.96	0.03	0.00	63.49	34.51
1971	2,300	0	0	42,700	47,100	92,100	2.50	0.00	0.00	46.36	51.14
1972	3,033	500	1,774	64,978	49,294	119,579	2.54	0.42	1.48	54.34	41.22
1973	1,376	4,928	937	27,587	73,638	108,466	1.27	4.54	0.86	25.43	67.89
1974	729	456	10,730	19,618	41,865	73,398	0.99	0.62	14.62	26.73	57.04
1975	1,538	7,280	680	17,217	55,870	82,585	1.86	8.82	0.82	20.85	67.65
1976	1,814	8,625	0	7,117	11,904	29,460	6.16	29.28	0.00	24.16	40.41
1977	831	0	0	561	9,839	11,231	7.40	0.00	0.00	5.00	87.61
1978	1,326	0	287	3,920	2,754	8,287	16.00	0.00	3.46	47.30	33.23
1979	7,811	0	0	6,500	32,945	47,256	16.53	0.00	0.00	13.75	69.72
1980	17,418	141	663	5,282	50,655	74,159	23.49	0.19	0.89	7.12	68.31
1981	7,394	427	310	3,556	20,612	32,299	22.89	1.32	0.96	11.01	63.82
1982	1,815	228	0	4,345	11,045	17,433	10.41	1.31	0.00	24.92	63.36
1983	2,500	988	30	1,184	15,035	19,737	12.67	5.01	0.15	6.00	76.18

Table 3.5 (continued) Annual landings of Striped Bass by waterbody in the Central Southern Management Area (CSMA), 1887 to 2018.

Year	Cape Fear River	Neuse River	Other	Pamlico Sound	Pamlico and Pungo Rivers	Total pounds	% Cape Fear River	% Neuse River	% Other	% Pamlico Sound	% Pamlico and Pungo Rivers
1984	2,081	3,445	0	690	16,539	22,755	9.15	15.14	0.0	3.03	72.68
1985	337	988	0	2,842	5,919	10,086	3.34	9.80	0.0	28.18	58.69
1986	741	687	0	6,104	8,766	16,298	4.55	4.22	0.00	37.45	53.79
1987	559	1,433	0	24,797	6,571	33,360	1.68	4.30	0.00	74.33	19.70
1988	306	198	434	3,609	2,538	7,085	4.32	2.79	6.13	50.94	35.82
1989	679	56	15	940	1,987	3,677	18.47	1.52	0.41	25.56	54.04
1990	728	148	28	373	235	1,512	48.15	9.79	1.85	24.67	15.54
1991	1,585	1,517	713	4,034	321	8,170	19.40	18.57	8.73	49.38	3.93
1992	2,746	9,042	14,177	6,019	774	32,758	8.38	27.60	43.28	18.37	2.36
1993	1,439	1,797	65,557	8,134	374	77,301	1.86	2.32	84.81	10.52	0.48
1994	480	7,975	563	9,974	866	19,858	2.42	40.16	2.84	50.22	4.36
1995	264	3,883	759	6,981	2,439	14,325	1.84	27.10	5.30	48.73	17.03
1996	4,139	6,872	689	17,321	4,230	33,250	12.45	20.67	2.07	52.09	12.72
1997	2,187	4,812	638	16,434	4,450	28,520	7.67	16.87	2.24	57.62	15.60
1998	501	4,813	1,626	11,520	7,514	25,973	1.93	18.53	6.26	44.35	28.93
1999	1,001	5,785	1,245	15,478	10,452	33,959	2.95	17.04	3.67	45.58	30.78
2000	567	4,595	277	8,879	16,731	31,048	1.82	14.80	0.89	28.60	53.89
2001	129	6,250	783	8,609	8,934	24,705	0.52	25.30	3.17	34.85	36.16
2002	173	3,989	16,587	8,632	8,205	37,585	0.46	10.61	44.13	22.97	21.83
2003	68	5,624	17,066	11,239	7,387	41,384	0.16	13.59	41.24	27.16	17.85
2004	2,364	7,452	413	8,054	14,197	32,479	7.28	22.94	1.27	24.80	43.71
2005	2,721	5,159	14	7,981	11,258	27,132	10.03	19.01	0.05	29.42	41.49
2006	1,057	6,439	773	7,478	5,402	21,149	5.00	30.45	3.66	35.36	25.54
2007	1,601	6,701	42	7,369	9,295	25,008	6.40	26.80	0.17	29.46	37.17
2008	831	4,628	206	732	3,718	10,115	8.22	45.75	2.04	7.24	36.76
2009	0	7,691	595	1,330	14,892	24,507	0.00	31.38	2.43	5.43	60.76

Table 3.5 (continued) Annual landings of Striped Bass by waterbody in the Central Southern Management Area (CSMA), 1887 to 2018.

Year	Cape Fear River	Neuse River	Other	Pamlico Sound	Pamlico and Pungo Rivers	Total pounds	% Cape Fear River	% Neuse River	% Other	% Pamlico Sound	% Pamlico and Pungo Rivers
2010	0	10,335	892	1,912	10,750	23,888	0.00	43.26	3.73	8.01	45.00
2011	0	15,602	10	931	11,511	28,054	0.00	55.61	0.04	3.32	41.03
2012	0	4,279	28	281	18,137	22,725	0.00	18.83	0.12	1.24	79.81
2013	0	11,342	424	2,495	14,337	28,597	0.00	39.66	1.48	8.72	50.13
2014	0	5,317	859	2,161	16,908	25,245	0.00	21.06	3.40	8.56	66.98
2015	0	7,075	1,288	256	18,717	27,336	0.00	25.88	4.71	0.94	68.47
2016	0	8,440	944	594	13,064	23,041	0.00	36.63	4.10	2.58	56.70
2017	0	11,971	1,041	203	9,803	23,018	0.00	52.01	4.52	0.88	42.59
2018	0	11,155	61	1,443	7,399	20,057	0.00	55.61	0.30	7.20	36.89

Table 3.6. Annual ex-vessel value of Striped Bass by waterbody in the Albemarle Sound Management Area (ASMA), 1887 to 2018.

Year	Albemarle Sound	Chowan River	Croatan Sound	Currituck Sound	Other	Total Value	%Albemarle Sound	%Chowan River	%Croatan Sound	%Currituck Sound	%Other
1887	\$12,251	\$1,217	\$402	\$1,092	\$1,982	\$16,944	72.30	7.18	2.37	6.45	11.70
1888	\$14,211	\$1,412	\$467	\$1,267	\$2,299	\$19,656	72.30	7.18	2.37	6.45	11.70
1889	\$14,230	\$1,414	\$467	\$1,269	\$2,302	\$19,682	72.30	7.18	2.37	6.45	11.70
1890	\$15,184	\$1,509	\$498	\$1,354	\$2,457	\$21,002	72.30	7.18	2.37	6.45	11.70
1897	\$30,284	\$3,009	\$994	\$2,700	\$4,900	\$41,887	72.30	7.18	2.37	6.45	11.70
1902	\$58,126	\$5,776	\$1,908	\$5,182	\$9,404	\$80,396	72.30	7.18	2.37	6.45	11.70
1908	\$17,944	\$1,783	\$589	\$1,600	\$2,903	\$24,819	72.30	7.18	2.37	6.45	11.70
1918	\$26,601	\$2,643	\$873	\$2,371	\$4,304	\$36,792	72.30	7.18	2.37	6.45	11.70
1923	\$37,320	\$3,708	\$1,225	\$3,327	\$6,038	\$51,618	72.30	7.18	2.37	6.45	11.70
1927	\$64,690	\$6,428	\$2,124	\$5,767	\$10,466	\$89,475	72.30	7.18	2.37	6.45	11.70
1928	\$34,706	\$3,449	\$1,139	\$3,094	\$5,615	\$48,003	72.30	7.18	2.37	6.45	11.70

Table 3.6. (continued) Annual ex-vessel value of Striped Bass by waterbody in the Albemarle Sound Management Area (ASMA), 1887 to 2018.

Year	Albemarle Sound	Chowan River	Croatan Sound	Currituck Sound	Other	Total Value	%Albemarle Sound	%Chowan River	%Croatan Sound	%Currituck Sound	%Other
1929	\$21,107	\$2,097	\$693	\$1,882	\$3,415	\$29,194	72.30	7.18	2.37	6.45	11.70
1930	\$30,404	\$3,021	\$998	\$2,710	\$4,919	\$42,052	72.30	7.18	2.37	6.45	11.70
1931	\$15,266	\$1,517	\$501	\$1,361	\$2,470	\$21,115	72.30	7.18	2.37	6.45	11.70
1932	\$27,183	\$2,701	\$892	\$2,423	\$4,398	\$37,597	72.30	7.18	2.37	6.45	11.70
1934	\$17,344	\$1,723	\$569	\$1,546	\$2,806	\$23,988	72.30	7.18	2.37	6.45	11.70
1936	\$34,700	\$3,448	\$1,139	\$3,093	\$5,614	\$47,994	72.30	7.18	2.37	6.45	11.70
1937	\$36,333	\$3,610	\$1,193	\$3,239	\$5,878	\$50,253	72.30	7.18	2.37	6.45	11.70
1938	\$22,475	\$2,233	\$738	\$2,004	\$3,636	\$31,086	72.30	7.18	2.37	6.45	11.70
1939	\$19,040	\$1,892	\$625	\$1,697	\$3,080	\$26,334	72.30	7.18	2.37	6.45	11.70
1940	\$34,625	\$3,441	\$1,137	\$3,087	\$5,602	\$47,892	72.30	7.18	2.37	6.45	11.70
1945	\$72,875	\$7,241	\$2,392	\$6,497	\$11,790	\$100,795	72.30	7.18	2.37	6.45	11.70
1950	\$81,627	\$8,111	\$2,680	\$7,277	\$13,206	\$112,901	72.30	7.18	2.37	6.45	11.70
1951	\$62,410	\$6,201	\$2,049	\$5,564	\$10,097	\$86,321	72.30	7.18	2.37	6.45	11.70
1952	\$58,398	\$5,803	\$1,917	\$5,206	\$9,448	\$80,772	72.30	7.18	2.37	6.45	11.70
1953	\$65,818	\$6,540	\$2,161	\$5,868	\$10,648	\$91,035	72.30	7.18	2.37	6.45	11.70
1954	\$101,860	\$10,121	\$3,344	\$9,081	\$16,480	\$140,886	72.30	7.18	2.37	6.45	11.70
1955	\$69,426	\$6,899	\$2,279	\$6,189	\$11,232	\$96,025	72.30	7.18	2.37	6.45	11.70
1956	\$68,984	\$6,855	\$2,265	\$6,150	\$11,161	\$95,415	72.30	7.18	2.37	6.45	11.70
1957	\$53,348	\$5,301	\$1,751	\$4,756	\$8,631	\$73,787	72.30	7.18	2.37	6.45	11.70
1958	\$107,023	\$10,634	\$3,513	\$9,541	\$17,315	\$148,026	72.30	7.18	2.37	6.45	11.70
1959	\$82,812	\$8,229	\$2,718	\$7,383	\$13,398	\$114,540	72.30	7.18	2.37	6.45	11.70
1960	\$61,769	\$6,138	\$2,028	\$5,507	\$9,993	\$85,435	72.30	7.18	2.37	6.45	11.70
1961	\$45,096	\$4,481	\$1,480	\$4,020	\$7,296	\$62,373	72.30	7.18	2.37	6.45	11.70
1962	\$59,712	\$2,560	\$3,200	\$8,400	\$6,896	\$80,768	73.93	3.17	3.96	10.40	8.54
1963	\$72,572	\$4,464	\$1,920	\$5,120	\$8,720	\$92,796	78.21	4.81	2.07	5.52	9.40
1964	\$63,424	\$2,576	\$2,400	\$5,040	\$18,833	\$92,273	68.74	2.79	2.60	5.46	20.41

Table 3.6. (continued) Annual ex-vessel value of Striped Bass by waterbody in the Albemarle Sound Management Area (ASMA), 1887 to 2018.

Year	Albemarle Sound	Chowan River	Croatan Sound	Currituck Sound	Other	Total Value	%Albemarle Sound	%Chowan River	%Croatan Sound	%Currituck Sound	%Other
1965	\$47,998	\$5,600	\$1,085	\$2,845	\$1,085	\$58,613	81.89	9.55	1.85	4.85	1.85
1966	\$49,324	\$13,095	\$1,162	\$5,033	\$15,358	\$83,972	58.74	15.59	1.38	5.99	18.29
1967	\$102,997	\$31,548	\$496	\$4,054	\$18,159	\$157,254	65.50	20.06	0.32	2.58	11.55
1968	\$192,826	\$34,927	\$6,204	\$13,641	\$15,638	\$263,236	73.25	13.27	2.36	5.18	5.94
1969	\$110,517	\$39,155	\$2,507	\$3,766	\$17,729	\$173,674	63.63	22.55	1.44	2.17	10.21
1970	\$88,516	\$32,797	\$2,262	\$1,320	\$30,559	\$155,454	56.94	21.10	1.46	0.85	19.66
1971	\$77,962	\$28,400	\$2,975	\$500	\$23,690	\$133,527	58.39	21.27	2.23	0.37	17.74
1972	\$59,917	\$22,122	\$0	\$0	\$4,864	\$86,903	68.95	25.46	0.00	0.00	5.60
1973	\$95,980	\$54,201	\$2,527	\$0	\$16,518	\$169,226	56.72	32.03	1.49	0.00	9.76
1974	\$80,753	\$25,327	\$1,139	\$8,652	\$28,362	\$144,233	55.99	17.56	0.79	6.00	19.66
1975	\$179,878	\$29,799	\$2,545	\$691	\$21,671	\$234,584	76.68	12.70	1.08	0.29	9.24
1976	\$270,711	\$27,835	\$376	\$484	\$13,374	\$312,780	86.55	8.90	0.12	0.15	4.28
1977	\$209,718	\$26,266	\$304	\$0	\$56,239	\$292,527	71.69	8.98	0.10	0.00	19.23
1978	\$328,817	\$44,552	\$468	\$6,265	\$44,692	\$424,794	77.41	10.49	0.11	1.47	10.52
1979	\$203,964	\$21,338	\$5,458	\$6,421	\$73,262	\$310,443	65.70	6.87	1.76	2.07	23.60
1980	\$262,545	\$13,203	\$656	\$10,558	\$31,092	\$318,054	82.55	4.15	0.21	3.32	9.78
1981	\$268,762	\$25,845	\$1,213	\$1,528	\$27,967	\$325,315	82.62	7.94	0.37	0.47	8.60
1982	\$197,587	\$46,650	\$8,125	\$14,006	\$49,854	\$316,222	62.48	14.75	2.57	4.43	15.77
1983	\$244,043	\$13,891	\$13,530	\$1,273	\$50,544	\$323,281	75.49	4.30	4.19	0.39	15.63
1984	\$310,355	\$28,588	\$3,067	\$4,611	\$34,757	\$381,378	81.38	7.50	0.80	1.21	9.11
1985	\$157,464	\$30,412	\$57	\$245	\$31,747	\$219,925	71.60	13.83	0.03	0.11	14.44
1986	\$142,226	\$8,937	\$757	\$1,385	\$17,915	\$171,220	83.07	5.22	0.44	0.81	10.46
1987	\$217,998	\$5,293	\$3,085	\$0	\$1,936	\$228,312	95.48	2.32	1.35	0.00	0.85
1988	\$80,774	\$2,764	\$1,065	\$8,501	\$16,260	\$109,364	73.86	2.53	0.97	7.77	14.87
1989	\$72,210	\$4,543	\$1,375	\$65	\$18,870	\$97,063	74.39	4.68	1.42	0.07	19.44
1990	\$126,651	\$9,671	\$1,421	\$0	\$8,162	\$145,905	86.80	6.63	0.97	0.00	5.59

Table 3.6. (continued) Annual ex-vessel value of Striped Bass by waterbody in the Albemarle Sound Management Area (ASMA), 1887 to 2018.

Year	Albemarle Sound	Chowan River	Croatan Sound	Currituck Sound	Other	Total Value	%Albemarle Sound	%Chowan River	%Croatan Sound	%Currituck Sound	%Other
1991	\$146,289	\$5,829	\$3,405	\$15	\$0	\$155,538	94.05	3.75	2.19	0.01	0.00
1992	\$125,624	\$4,998	\$848	\$91	\$2,823	\$134,384	93.48	3.72	0.63	0.07	2.10
1993	\$132,479	\$1,911	\$1,199	\$2,140	\$84	\$137,813	96.13	1.39	0.87	1.55	0.06
1994	\$83,496	\$2,159	\$33,336	\$8,556	\$10,652	\$138,199	60.42	1.56	24.12	6.19	7.71
1995	\$94,194	\$4,594	\$8,280	\$3,868	\$7,633	\$118,569	79.44	3.87	6.98	3.26	6.44
1996	\$76,913	\$4,017	\$19,510	\$1,243	\$9,090	\$110,773	69.43	3.63	17.61	1.12	8.21
1997	\$66,783	\$12,719	\$24,528	\$2,438	\$5,378	\$111,846	59.71	11.37	21.93	2.18	4.81
1998	\$104,518	\$18,965	\$26,841	\$1,114	\$6,939	\$158,377	65.99	11.97	16.95	0.70	4.38
1999	\$130,477	\$16,328	\$43,726	\$2,542	\$7,989	\$201,062	64.89	8.12	21.75	1.26	3.97
2000	\$165,310	\$17,188	\$51,395	\$2,486	\$11,824	\$248,203	66.60	6.92	20.71	1.00	4.76
2001	\$177,804	\$12,448	\$60,376	\$3,478	\$19,183	\$273,289	65.06	4.55	22.09	1.27	7.02
2002	\$136,536	\$14,066	\$85,102	\$2,426	\$30,671	\$268,801	50.79	5.23	31.66	0.90	11.41
2003	\$264,350	\$16,300	\$105,697	\$3,193	\$22,031	\$411,571	64.23	3.96	25.68	0.78	5.35
2004	\$165,955	\$5,472	\$121,429	\$801	\$38,890	\$332,547	49.90	1.65	36.51	0.24	11.69
2005	\$328,265	\$12,852	\$86,577	\$4,659	\$15,833	\$448,186	73.24	2.87	19.32	1.04	3.53
2006	\$316,409	\$30,397	\$79,693	\$3,297	\$21,801	\$451,597	70.06	6.73	17.65	0.73	4.83
2007	\$234,910	\$20,944	\$97,408	\$5,990	\$15,509	\$374,761	62.68	5.59	25.99	1.60	4.14
2008	\$119,720	\$15,217	\$23,541	\$4,980	\$4,292	\$167,750	71.37	9.07	14.03	2.97	2.56
2009	\$130,949	\$22,500	\$31,299	\$5,894	\$42,058	\$232,700	56.27	9.67	13.45	2.53	18.07
2010	\$337,338	\$30,720	\$60,321	\$8,643	\$42,625	\$479,647	70.33	6.40	12.58	1.80	8.89
2011	\$256,435	\$48,066	\$30,273	\$16,323	\$27,480	\$378,577	67.74	12.70	8.00	4.31	7.26
2012	\$195,568	\$46,919	\$33,271	\$6,107	\$16,297	\$298,162	65.59	15.74	11.16	2.05	5.47
2013	\$162,363	\$16,649	\$20,226	\$5,316	\$14,108	\$218,662	74.25	7.61	9.25	2.43	6.45
2014	\$128,930	\$7,859	\$53,877	\$5,535	\$17,942	\$214,143	60.21	3.67	25.16	2.58	8.38
2015	\$259,421	\$23,084	\$43,674	\$14,287	\$23,161	\$363,627	71.34	6.35	12.01	3.93	6.37
2016	\$316,388	\$29,066	\$6,491	\$7,899	\$2,916	\$362,760	87.22	8.01	1.79	2.18	0.80

Table 3.6. (continued) Annual ex-vessel value of Striped Bass by waterbody in the Albemarle Sound Management Area (ASMA), 1887 to 2018.

Year	Albemarle Sound	Chowan River	Croatan Sound	Currituck Sound	Other	Total Value	%Albemarle Sound	%Chowan River	%Croatan Sound	%Currituck Sound	%Other
2017	\$154,617	\$40,331	\$12,607	\$4,070	\$11,229	\$222,854	69.38	18.10	5.66	1.83	5.04
2018	\$269,453	\$58,775	\$19,015	\$5,956	\$19,265	\$372,464	72.34	15.78	5.11	1.60	5.17

Table 3.7. Annual ex-vessel value of Striped Bass by waterbody in the Central Southern Management Area (CSMA), 1887 to 2018.

Year	Cape Fear River	Neuse River	Other	Pamlico Sound	Pamlico and Pungo Rivers	Total Value	Cape Fear River	Neuse River	Other	Pamlico Sound	Pamlico and Pungo Rivers
1887	\$50	\$561	\$2	\$1,040	\$1,795	\$3,448	1.44	16.27	0.06	30.17	52.06
1888	\$60	\$678	\$3	\$1,258	\$2,170	\$4,169	1.44	16.27	0.06	30.17	52.06
1889	\$56	\$631	\$2	\$1,169	\$2,018	\$3,876	1.44	16.27	0.06	30.17	52.06
1890	\$60	\$675	\$3	\$1,252	\$2,161	\$4,151	1.44	16.27	0.06	30.17	52.06
1897	\$120	\$1,350	\$5	\$2,503	\$4,319	\$8,297	1.44	16.27	0.06	30.17	52.06
1902	\$241	\$2,717	\$11	\$5,039	\$8,696	\$16,704	1.44	16.27	0.06	30.17	52.06
1908	\$59	\$667	\$3	\$1,236	\$2,133	\$4,098	1.44	16.27	0.06	30.17	52.06
1918	\$111	\$1,250	\$5	\$2,319	\$4,001	\$7,686	1.44	16.27	0.06	30.17	52.06
1923	\$109	\$1,226	\$5	\$2,273	\$3,923	\$7,536	1.44	16.27	0.06	30.17	52.06
1927	\$200	\$2,251	\$9	\$4,174	\$7,202	\$13,836	1.44	16.27	0.06	30.17	52.06
1928	\$117	\$1,319	\$5	\$2,446	\$4,221	\$8,108	1.44	16.27	0.06	30.17	52.06
1929	\$74	\$830	\$3	\$1,539	\$2,655	\$5,101	1.44	16.27	0.06	30.17	52.06
1930	\$88	\$996	\$4	\$1,847	\$3,188	\$6,123	1.44	16.27	0.06	30.17	52.06
1931	\$45	\$508	\$2	\$943	\$1,627	\$3,125	1.44	16.27	0.06	30.17	52.06
1932	\$62	\$700	\$3	\$1,298	\$2,240	\$4,303	1.44	16.27	0.06	30.17	52.06
1934	\$51	\$579	\$2	\$1,074	\$1,853	\$3,559	1.44	16.27	0.06	30.17	52.06
1936	\$110	\$1,236	\$5	\$2,293	\$3,957	\$7,601	1.44	16.27	0.06	30.17	52.06
1937	\$120	\$1,349	\$5	\$2,502	\$4,318	\$8,294	1.44	16.27	0.06	30.17	52.06

Table 3.7. (continued) Annual ex-vessel value of Striped Bass by waterbody in the Central Southern Management Area (CSMA), 1887 to 2018.

Year	Cape Fear River	Neuse River	Other	Pamlico Sound	Pamlico and Pungo Rivers	Total Value	% Cape Fear River	% Neuse River	% Other	% Pamlico Sound	% Pamlico and Pungo Rivers
1938	\$83	\$939	\$4	\$1,742	\$3,006	\$5,774	1.44	16.27	0.06	30.17	52.06
1939	\$67	\$760	\$3	\$1,410	\$2,433	\$4,673	1.44	16.27	0.06	30.17	52.06
1940	\$120	\$1,347	\$5	\$2,499	\$4,312	\$8,283	1.44	16.27	0.06	30.17	52.06
1945	\$223	\$2,513	\$10	\$4,659	\$8,041	\$15,446	1.44	16.27	0.06	30.17	52.06
1950	\$288	\$3,246	\$13	\$6,019	\$10,386	\$19,952	1.44	16.27	0.06	30.17	52.06
1951	\$187	\$2,113	\$8	\$3,918	\$6,761	\$12,987	1.44	16.27	0.06	30.17	52.06
1952	\$171	\$1,924	\$8	\$3,568	\$6,157	\$11,828	1.44	16.27	0.06	30.17	52.06
1953	\$208	\$2,348	\$9	\$4,354	\$7,514	\$14,433	1.44	16.27	0.06	30.17	52.06
1954	\$387	\$4,365	\$17	\$8,095	\$13,969	\$26,833	1.44	16.27	0.06	30.17	52.06
1955	\$224	\$2,527	\$10	\$4,687	\$8,088	\$15,536	1.44	16.27	0.06	30.17	52.06
1956	\$232	\$2,615	\$10	\$4,848	\$8,367	\$16,072	1.44	16.27	0.06	30.17	52.06
1957	\$163	\$1,833	\$7	\$3,399	\$5,867	\$11,269	1.44	16.27	0.06	30.17	52.06
1958	\$286	\$3,227	\$13	\$5,983	\$10,325	\$19,834	1.44	16.27	0.06	30.17	52.06
1959	\$209	\$2,355	\$9	\$4,367	\$7,536	\$14,476	1.44	16.27	0.06	30.17	52.06
1960	\$182	\$2,048	\$8	\$3,798	\$6,554	\$12,590	1.44	16.27	0.06	30.17	52.06
1961	\$135	\$1,525	\$6	\$2,828	\$4,880	\$9,374	1.44	16.27	0.06	30.17	52.06
1962	\$256	\$4,528	\$0	\$3,872	\$6,144	\$14,800	1.73	30.59	0.0	26.16	41.51
1963	\$160	\$3,072	\$0	\$2,864	\$5,696	\$11,792	1.36	26.05	0.0	24.29	48.30
1964	\$80	\$1,744	\$0	\$3,936	\$4,688	\$10,448	0.77	16.69	0.0	37.67	44.87
1965	\$128	\$608	\$0	\$2,731	\$5,501	\$8,968	1.43	6.78	0.0	30.45	61.34
1966	\$219	\$138	\$36	\$3,650	\$7,272	\$11,315	1.94	1.22	0.32	32.26	64.27
1967	\$525	\$85	\$0	\$3,900	\$16,015	\$20,525	2.56	0.41	0.0	19.00	78.03
1968	\$284	\$35	\$368	\$4,100	\$32,192	\$36,979	0.77	0.09	1.00	11.09	87.05
1969	\$840	\$0	\$633	\$578	\$39,732	\$41,783	2.01	0.0	1.51	1.38	95.09
1970	\$1,280	\$20	\$0	\$35,844	\$21,457	\$58,601	2.18	0.03	0.0	61.17	36.62

Table 3.7. (continued) Annual ex-vessel value of Striped Bass by waterbody in the Central Southern Management Area (CSMA), 1887 to 2018.

Year	Cape Fear River	Neuse River	Other	Pamlico Sound	Pamlico and Pungo Rivers	Total Value	% Cape Fear River	% Neuse River	% Other	% Pamlico Sound	% Pamlico and Pungo Rivers
1971	\$587	\$0	\$0	\$8,634	\$11,016	\$20,237	2.90	0.0	0.0	42.66	54.43
1972	\$907	\$150	\$372	\$20,238	\$14,042	\$35,709	2.54	0.42	1.04	56.67	39.32
1973	\$465	\$1,466	\$234	\$9,911	\$19,968	\$32,044	1.45	4.57	0.73	30.93	62.31
1974	\$305	\$130	\$4,077	\$6,762	\$14,423	\$25,697	1.19	0.51	15.87	26.31	56.13
1975	\$583	\$2,460	\$122	\$6,098	\$18,849	\$28,112	2.07	8.75	0.43	21.69	67.05
1976	\$1,044	\$3,043	\$0	\$3,606	\$5,572	\$13,265	7.87	22.94	0.0	27.18	42.01
1977	\$443	\$0	\$0	\$294	\$4,478	\$5,215	8.49	0.0	0.0	5.64	85.87
1978	\$981	\$0	\$230	\$2,866	\$1,567	\$5,644	17.38	0.0	4.08	50.78	27.76
1979	\$10,847	\$0	\$0	\$6,420	\$23,143	\$40,410	26.84	0.0	0.0	15.89	57.27
1980	\$22,558	\$177	\$580	\$7,880	\$44,417	\$75,612	29.83	0.23	0.77	10.42	58.74
1981	\$7,394	\$420	\$310	\$3,618	\$18,542	\$30,284	24.42	1.39	1.02	11.95	61.23
1982	\$2,150	\$338	\$0	\$6,097	\$14,389	\$22,974	9.36	1.47	0.0	26.54	62.63
1983	\$3,907	\$1,558	\$45	\$1,850	\$16,919	\$24,279	16.09	6.42	0.19	7.62	69.69
1984	\$4,725	\$5,129	\$0	\$658	\$16,540	\$27,052	17.47	18.96	0.0	2.43	61.14
1985	\$415	\$1,282	\$0	\$2,359	\$5,417	\$9,473	4.38	13.53	0.0	24.90	57.18
1986	\$972	\$858	\$0	\$6,393	\$10,406	\$18,629	5.22	4.61	0.0	34.32	55.86
1987	\$779	\$1,436	\$0	\$24,803	\$7,212	\$34,230	2.28	4.20	0.0	72.46	21.07
1988	\$420	\$204	\$434	\$3,705	\$2,610	\$7,373	5.70	2.77	5.89	50.25	35.40
1989	\$711	\$112	\$15	\$963	\$1,987	\$3,788	18.77	2.96	0.40	25.42	52.46
1990	\$1,076	\$185	\$21	\$553	\$256	\$2,091	51.46	8.85	1.00	26.45	12.24
1991	\$2,694	\$1,745	\$851	\$6,000	\$449	\$11,739	22.95	14.86	7.25	51.11	3.82
1992	\$4,728	\$12,673	\$20,079	\$8,454	\$822	\$46,756	10.11	27.10	42.94	18.08	1.76
1993	\$2,367	\$2,690	\$84,598	\$10,800	\$476	\$100,931	2.35	2.67	83.82	10.70	0.47
1994	\$649	\$10,766	\$761	\$13,464	\$1,168	\$26,808	2.42	40.16	2.84	50.22	4.36
1995	\$359	\$5,284	\$1,032	\$9,437	\$3,326	\$19,438	1.84	27.19	5.31	48.55	17.11
1996	\$5,035	\$8,335	\$839	\$21,043	\$5,154	\$40,406	12.46	20.63	2.08	52.08	12.76

Table 3.7. (continued) Annual ex-vessel value of Striped Bass by waterbody in the Central Southern Management Area (CSMA), 1887 to 2018.

Year	Cape Fear River	Neuse River	Other	Pamlico Sound	Pamlico and Pungo Rivers	Total Value	% Cape Fear River	% Neuse River	% Other	% Pamlico Sound	% Pamlico and Pungo Rivers
1997	\$2,702	\$5,880	\$789	\$20,030	\$5,320	\$34,721	7.78	16.94	2.27	57.69	15.32
1998	\$592	\$5,703	\$1,921	\$13,655	\$8,953	\$30,824	1.92	18.50	6.23	44.30	29.05
1999	\$1,230	\$7,126	\$1,531	\$19,047	\$12,861	\$41,795	2.94	17.05	3.66	45.57	30.77
2000	\$646	\$5,233	\$317	\$10,245	\$19,254	\$35,695	1.81	14.66	0.89	28.70	53.94
2001	\$149	\$7,238	\$904	\$11,197	\$10,958	\$30,446	0.49	23.77	2.97	36.78	35.99
2002	\$208	\$4,783	\$19,934	\$10,361	\$9,824	\$45,110	0.46	10.60	44.19	22.97	21.78
2003	\$83	\$6,875	\$20,939	\$14,674	\$9,075	\$51,646	0.16	13.31	40.54	28.41	17.57
2004	\$3,120	\$9,818	\$509	\$10,429	\$17,931	\$41,807	7.46	23.48	1.22	24.95	42.89
2005	\$5,123	\$9,723	\$25	\$15,355	\$21,269	\$51,495	9.95	18.88	0.05	29.82	41.30
2006	\$2,468	\$15,037	\$1,719	\$18,689	\$12,462	\$50,375	4.90	29.85	3.41	37.10	24.74
2007	\$3,205	\$13,410	\$84	\$15,620	\$18,614	\$50,933	6.29	26.33	0.17	30.67	36.54
2008	\$1,689	\$9,537	\$419	\$1,601	\$7,660	\$20,906	8.08	45.62	2.00	7.66	36.64
2009	\$0	\$17,447	\$1,387	\$3,083	\$33,914	\$55,831	0.0	31.25	2.48	5.52	60.74
2010	\$0	\$24,098	\$1,953	\$4,571	\$25,055	\$55,677	0.0	43.28	3.51	8.21	45.00
2011	\$0	\$39,751	\$25	\$2,905	\$29,770	\$72,451	0.0	54.87	0.04	4.01	41.09
2012	\$0	\$9,556	\$62	\$803	\$41,537	\$51,958	0.0	18.39	0.12	1.55	79.94
2013	\$0	\$32,941	\$1,227	\$7,606	\$43,050	\$84,824	0.0	38.83	1.45	8.97	50.75
2014	\$0	\$14,450	\$2,269	\$6,374	\$46,005	\$69,098	0.0	20.91	3.28	9.22	66.58
2015	\$0	\$21,124	\$3,782	\$760	\$58,560	\$84,226	0.0	25.08	4.49	0.90	69.53
2016	\$0	\$22,976	\$2,548	\$1,887	\$41,860	\$69,271	0.0	33.17	3.68	2.72	60.43
2017	\$0	\$34,168	\$2,737	\$605	\$28,523	\$66,033	0.0	51.74	4.14	0.92	43.20
2018	\$0	\$33,490	\$181	\$4,742	\$23,566	\$61,979	0.0	54.03	0.29	7.65	38.02

Table 3.8. Average landings and ex-vessel value of Striped Bass from 1887 to 2018, number of trips from 1994 to 2018 and number of tags from 2001 to 2018 by district.

District	Pounds	Value	Trips	Tags
Central	2,304,551	\$1,494,981	9,591	39,182
Northern	53,415,330	\$29,010,709	164,385	781,069
Southern	247,549.7	\$140,362	1,146	1,162

Table 3.9. Landings, ex-vessel value, dealers, participants, vessels, trips and number of tags for Striped Bass in the northern district, 1980 to 2018.

Year	Pounds	Ex-Vessel Value	Dealers	Participants	Vessels	Trips	Tags
1980	451,611	\$407,607	11				
1981	391,962	\$415,804	11				
1982	328,184	\$515,233	12				
1983	356,143	\$483,315	12				
1984	507,112	\$441,824	11				
1985	278,426	\$227,695	11				
1986	187,553	\$188,019	10				
1987	260,229	\$260,327	9				
1988	114,909	\$115,650	7				
1989	99,988	\$100,013	7				
1990	112,895	\$158,197	9				
1991	118,906	\$170,450	9				
1992	148,925	\$186,684	9				
1993	258,990	\$325,024	9				
1994	252,568	\$340,967	57	484	520	3012	
1995	438,152	\$594,775	64	669	731	6168	
1996	166,484	\$202,577	62	535	575	6052	
1997	560,737	\$677,658	74	731	807	8136	
1998	391,234	\$482,650	65	615	693	6089	
1999	578,222	\$712,425	73	629	771	8540	
2000	379,498	\$439,911	63	618	764	11172	
2001	592,855	\$734,767	70	680	808	11642	72,901
2002	662,981	\$809,225	63	709	836	10847	64,863
2003	520,176	\$661,880	59	636	749	10834	60,280
2004	830,452	\$1,054,311	60	711	758	8765	63,745
2005	826,456	\$1,602,076	63	906	859	10374	73,408
2006	267,761	\$648,417	58	543	584	7527	40,426
2007	537,503	\$1,161,129	52	726	628	7557	47,325
2008	355,691	\$786,339	52	576	548	3922	25,627
2009	285,991	\$689,076	40	439	448	4408	28,238

Table 3.9. (continued) Landings, ex-vessel value, dealers, participants, vessels, trips and number of tags for Striped Bass in the northern district, 1980 to 2018.

Year	Pounds	Ex-Vessel Value	Dealers	Participants	Vessels	Trips	Tags
2010	462,150	\$1,132,146	46	451	455	6828	57,786
2011	393,274	\$1,120,074	38	457	455	5158	55,351
2012	140,172	\$358,729	28	310	295	4039	30,995
2013	90,621	\$285,193	35	319	313	3409	18,822
2014	88,769	\$263,506	38	296	287	3413	18,633
2015	134,673	\$426,887	38	302	304	4614	33,062
2016	138,134	\$410,391	36	248	235	4669	33,920
2017	89,307	\$260,866	35	233	241	3161	20,164
2018	125,972	\$409,219	37	236	233	4049	29,920

Table 3.10. Landings, ex-vessel value, dealers, participants, vessels, trips and number of tags for Striped Bass in the central district, 1980 to 2018.

Year	Pounds	Ex-Vessel Value	Dealers	Participants	Vessels	Trips	Tags
1980	2,960	\$4,559	37				
1981	16,576	\$26,152	31				
1982	8,311	\$14,087	45				
1983	2,612	\$4,249	37				
1984	3,688	\$5,447	39				
1985	1,152	\$1,420	30				
1986	698	\$868	29				
1987	1,433	\$1,436	25				
1988	700	\$706	24				
1989	163	\$278	23				
1990	308	\$349	29				
1991	2,325	\$2,678	24				
1992	9,338	\$13,022	31				
1993	2,018	\$2,960	44				
1994	8,700	\$11,745	57	52	57	296	
1995	8,184	\$11,137	64	70	75	336	
1996	10,814	\$13,135	62	63	67	425	
1997	24,843	\$30,709	74	80	85	472	
1998	30,853	\$36,465	65	89	97	536	
1999	9,077	\$11,173	73	73	86	487	
2000	26,092	\$29,817	63	76	81	429	
2001	32,323	\$37,326	70	71	76	376	2,590
2002	38,304	\$46,024	63	103	108	409	1,952
2003	45,672	\$56,013	59	129	139	612	2,681

Table 3.10. (continued) Landings, ex-vessel value, dealers, participants, vessels, trips and number of tags for Striped Bass in the central district, 1980 to 2018.

Year	Pounds	Ex-Vessel Value	Dealers	Participants	Vessels	Trips	Tags
2004	77,206	\$101,291	60	133	130	460	4,576
2005	35,112	\$65,869	63	117	116	378	2,143
2006	12,409	\$28,827	58	69	66	382	1,243
2007	37,052	\$74,188	52	82	83	575	3,396
2008	16,814	\$34,306	52	55	54	411	1,587
2009	24,609	\$58,226	40	47	49	375	2,497
2010	38,002	\$89,378	46	44	46	371	4,111
2011	17,411	\$44,353	38	38	37	411	2,905
2012	4,383	\$9,787	28	22	22	168	524
2013	6,314	\$18,293	35	34	36	239	984
2014	7,465	\$19,735	38	36	38	247	1,725
2015	7,151	\$20,966	38	37	38	238	1,577
2016	8,018	\$21,639	36	33	36	261	1,374
2017	9,702	\$28,022	35	47	46	364	1,888
2018	8,484	\$25,200	37	43	39	333	1,588

Table 3.11. Landings, ex-vessel value, dealers, participants, vessels, trips and tags for Striped Bass in the southern district, 1980 to 2018.

Year	Pounds	Ex-Vessel Value	Dealers	Participants	Vessels	Trips	Tags
1980	17,932	\$23,313	4				
1981	8,786	\$9,868	3				
1982	1,815	\$2,150	3				
1983	2,520	\$3,927	4				
1984	2,096	\$4,731	4				
1985	362	\$471	3				
1986	741	\$972	1				
1987	559	\$779	2				
1988	306	\$420	2				
1989	679	\$711	2				
1990	736	\$1,084	2				
1991	1,585	\$2,694	2				
1992	2,746	\$4,728	2				
1993	1,439	\$2,367	3				
1994	631	\$852	7	11	11	38	
1995	453	\$616	8	13	14	36	
1996	4,302	\$5,232	10	19	17	162	
1997	2,205	\$2,724	7	11	13	107	

Table 3.11. (continued) Landings, ex-vessel value, dealers, participants, vessels, trips and tags for Striped Bass in the southern district from 1980 to 2018.

Year	Pounds	Ex-Vessel Value	Dealers	Participants	Vessels	Trips	Tags
1998	782	\$924	6	11	11	77	
1999	1,013	\$1,245	4	6	6	70	
2000	1,850	\$2,109	5	10	10	105	
2001	874	\$1,009	3	6	6	48	147
2002	173	\$208	4	5	5	23	29
2003	72	\$87	6	8	8	9	2
2004	3,741	\$4,938	6	8	9	122	327
2005	2,721	\$5,123	7	10	12	125	298
2006	1,567	\$3,659	5	8	9	53	25
2007	1,601	\$3,205	3	8	8	108	232
2008	940	\$1,911	4	7	7	61	89
2009	<500	<\$500	1	1	1	1	0
2010	0	\$0	0	0	0	0	0
2011	0	\$0	0	0	0	0	0
2012	0	\$0	0	0	0	0	0
2013	0	\$0	0	0	0	0	0
2014	0	\$0	0	0	0	0	0
2015	0	\$0	0	0	0	0	0
2016	0	\$0	0	0	0	0	0
2017	0	\$0	0	0	0	0	0
2018	<500	<\$500	1	1	1	1	13

Table 3.12. Average landings and ex-vessel value of Striped Bass from 1887 to 2018, number of trips from 1994 to 2018 and number of tags by county from 2001 to 2018.

Year	Pounds	Value	Trips	Tags
Beaufort	2,579,924	\$1,099,728	9,191	39,684
Bertie	702,795	\$309,584	1,490	9,615
Camden	833,272	\$191,121	1,287	7,533
Carteret	1,081,154	\$797,784	1,062	8,949
Chowan	6,340,892	\$2,981,328	19,960	88,922
Craven	660,185	\$209,498	3,256	7,720
Currituck	3,237,941	\$889,382	3,659	12,320
Dare	23,488,712	\$14,219,397	72,641	356,715
Hyde	1,434,136	\$2,054,025	3,902	48,377
Other	1,233,532	\$762,988	7,442	28,094
Pasquotank	4,863,513	\$2,641,920	18,267	70,637
Perquimans	1,469,499	\$1,237,415	17,716	95,889
Tyrrell	6,573,639	\$2,611,140	14,708	44,081

Table 3.12. (continued) Average landings and ex-vessel value of Striped Bass from 1887 to 2018, number of trips from 1994 to 2018 and number of tags by county from 2001 to 2018.

Year	Pounds	Value	Trips	Tags
Washington	1,468,236	\$640,743	541	1,532

Table 3.13. Annual landings, ex-vessel value, dealers, trips, participants, vessels and number of tags for Striped Bass in Beaufort County, 1887 to 2018.

Year	Pounds	Value	Dealers	Trips	Participants	Vessels	Tags
1887	20,434	\$1,068					
1888	22,920	\$1,198					
1889	21,734	\$1,311					
1890	16,547	\$847					
1897	27,253	\$2,181					
1902	32,315	\$2,205					
1908	14,021	\$698					
1918	24,701	\$3,426					
1923	38,700	\$4,882					
1927	52,526	\$6,597					
1928	36,113	\$3,972					
1929	14,558	\$2,299					
1930	8,869	\$773					
1931	27,830	\$2,286					
1932	43,193	\$3,610					
1934	26,356	\$2,263					
1936	9,113	\$825					
1937	62,809	\$4,989					
1938	12,729	\$1,236					
1939	8,270	\$858					
1940	13,147	\$1,509					
1945	6,090	\$1,218					
1950	47,807	\$9,944					
1951	42,131	\$8,072					
1952	38,819	\$7,297					
1953	45,419	\$8,265					
1954	67,301	\$11,334					
1955	44,159	\$7,229					
1956	45,809	\$7,178					
1957	35,819	\$5,390					
1958	65,759	\$11,874					
1959	52,289	\$9,477					
1960	46,937	\$7,534					

Table 3.13. (continued) Annual landings, ex-vessel value, dealers, trips, participants, vessels and number of tags for Striped Bass in Beaufort County, 1887 to 2018.

Year	Pounds	Value	Dealers	Trips	Participants	Vessels	Tags
1961	32,981	\$5,294					
1962	38,400	\$6,144					
1963	35,600	\$5,696					
1964	29,300	\$4,688					
1965	34,600	\$5,501					
1966	57,300	\$8,830					
1967	136,497	\$24,297					
1968	170,600	\$34,992					
1969	76,244	\$13,515					
1970	112,688	\$19,892					
1971	46,800	\$10,944					
1972	49,294	\$14,042					
1973	73,943	\$20,090					
1974	36,244	\$12,456					
1975	122,322	\$42,753					
1976	11,904	\$5,572					
1977	17,839	\$8,928					
1978	15,097	\$7,692					
1979	32,945	\$23,143					
1980	42,012	\$36,828	6				
1981	20,612	\$18,542	3				
1982	10,900	\$14,258	4				
1983	15,035	\$16,919	3				
1984	16,239	\$16,240	3				
1985	5,919	\$5,417	6				
1986	9,578	\$11,507	8				
1987	6,571	\$7,212	5				
1988	2,526	\$2,596	5				
1989	2,044	\$2,044	5				
1990	235	\$256	3				
1991	<250	<\$250	1				
1992	535	\$535	3				
1993	<250	<\$500	2				
1994	799	\$1,079	5	23	12	12	
1995	1,913	\$2,610	5	137	25	26	
1996	3,290	\$4,010	4	207	27	28	
1997	3,576	\$4,238	7	325	49	50	
1998	6,128	\$7,278	7	354	38	40	
1999	8,931	\$10,989	8	494	58	69	

Table 3.13. (continued) Annual landings, ex-vessel value, dealers, trips, participants, and vessels for Striped Bass in Beaufort County, 1887 to 2018.

Year	Pounds	Value	Dealers	Trips	Participants	Vessels	Tags
2000	13,211	\$15,116	8	667	84	93	
2001	8,000	\$9,889	9	375	60	60	1,441
2002	7,943	\$9,517	8	376	49	52	1,524
2003	6,912	\$8,493	8	392	58	60	1,412
2004	8,312	\$10,731	7	311	45	49	1,702
2005	7,521	\$14,253	6	350	50	53	1,402
2006	5,568	\$12,992	7	282	45	46	1,010
2007	7,023	\$14,062	6	334	43	45	1,255
2008	8,766	\$17,988	7	390	41	43	652
2009	16,204	\$36,632	8	560	57	53	2,364
2010	8,859	\$21,160	6	265	39	42	1,763
2011	10,476	\$27,149	7	268	39	37	1,901
2012	18,134	\$41,495	7	393	47	42	3,279
2013	20,012	\$59,592	8	470	44	41	3,411
2014	16,086	\$44,261	9	501	60	55	4,124
2015	19,452	\$61,111	9	545	61	56	4,302
2016	14,163	\$44,883	6	387	46	42	2,653
2017	12,448	\$35,730	7	396	48	51	2,331
2018	10,512	\$33,228	7	389	35	35	2,004

Table 3.14. Annual landings, ex-vessel value, dealers, trips, participants, vessels and number of tags for Striped Bass in Bertie County, 1887 to 2018.

Year	Pounds	Value	Dealers	Trips	Participants	Vessels	Tags
1887	25,238	\$1,324					
1888	28,308	\$1,485					
1889	26,842	\$1,625					
1890	26,369	\$1,453					
1897	22,457	\$1,657					
1902	45,734	\$4,581					
1908	19,844	\$1,451					
1927	16,459	\$2,722					
1928	11,316	\$1,639					
1929	11,127	\$1,661					
1930	4,252	\$435					
1931	2,132	\$211					
1932	3,308	\$333					
1934	22,122	\$2,407					
1936	14,350	\$1,323					

Table 3.14. (continued) Annual landings, ex-vessel value, dealers, trips, participants, vessels and number of tags for Striped Bass in Bertie County, 1887 to 2018.

Year	Pounds	Value	Dealers	Trips	Participants	Vessels	Tags
1937	12,140	\$1,200					
1938	12,729	\$978					
1939	8,270	\$679					
1940	13,147	\$1,194					
1945	6,090	\$5,481					
1950	47,807	\$1,181					
1951	5,009	\$958					
1952	4,616	\$866					
1953	5,400	\$981					
1954	8,002	\$1,346					
1955	5,251	\$858					
1956	5,447	\$852					
1957	4,259	\$640					
1958	7,819	\$1,410					
1959	6,217	\$1,125					
1960	5,581	\$895					
1961	3,921	\$629					
1962	3,800	\$608					
1963	7,400	\$1,184					
1964	7,000	\$1,120					
1965	2,600	\$416					
1966	3,500	\$534					
1967	5,707	\$1,081					
1968	4,400	\$663					
1969	8,375	\$1,437					
1970	12,379	\$2,116					
1971	5,500	\$1,135					
1972	3,216	\$819					
1973	10,221	\$3,439					
1974	13,530	\$3,728					
1975	1,580	\$554					
1976	3,594	\$1,617					
1977	9,033	\$4,494					
1978	13,369	\$9,267					
1979	54,463	\$49,586					
1980	1,000 to 5,000	\$1,000 to \$5,000		2			
1981	9,885	\$9,845		4			
1982	9,491	\$10,601		4			
1983	7,354	\$9,217		3			

Table 3.14. (continued) Annual landings, ex-vessel value, dealers, trips, participants, vessels and number of tags for Striped Bass in Bertie County, 1887 to 2018.

Year	Pounds	Value	Dealers	Trips	Participants	Vessels	Tags
1984	4,216	\$4,427	3				
1985	10,000 to 15,000	\$10,000 to \$15,000	2				
1986	15,000 to 20,000	\$15,000 to \$20,000	2				
1987	1,000 to 5,000	\$1,000 to \$5,000	1				
1988	<500	<\$500	1				
1989	1,000 to 5,000	\$1,000 to \$5,000	1				
1990	<500	<\$500	1				
1991	500 to 1,000	500 to 1,000	1				
1992	<500	<\$500	1				
1993	<500	<\$500	2				
1994	<501	\$500 to \$1,000	2	15	3	3	
1995	500 to 1,000	\$1,000 to \$5,000	1	68	5	7	
1996	500 to 1,000	\$1,000 to \$5,000	1	71	3	3	
1997	1,000 to 5,000	\$1,000 to \$5,000	2	99	5	6	
1998	1,000 to 5,000	\$1,000 to \$5,000	1	65	2	3	
1999	2,086	\$2,581	3	78	5	5	
2000	1,000 to 5,000	\$1,000 to \$5,000	1	69	2	3	
2001	1,000 to 5,000	\$1,000 to \$5,000	2	91	3	5	499
2002	1,000 to 5,000	\$1,000 to \$5,000	1	102	2	2	454
2003	1,000 to 5,000	\$1,000 to \$5,000	1	53	2	2	395
2004	500 to 1,000	\$500 to \$1,000	1	36	2	2	141
2005	1,000 to 5,000	\$1,000 to \$5,000	1	40	1	1	230
2006	1,000 to 5,000	\$1,000 to \$5,000	1	43	2	2	280
2007	1,000 to 5,000	\$1,000 to \$5,000	1	42	2	3	280
2008	1,000 to 5,000	\$1,000 to \$5,000	2	48	2	1	341
2009	1,000 to 5,000	\$1,000 to \$5,000	1	39	2	1	589
2010	1,000 to 5,000	\$5,000 to \$10,000	1	51	2	1	562
2011	1,000 to 5,000	\$1,000 to \$5,000	2	31	3	2	265
2012	1,000 to 5,000	\$5,000 to \$10,000	1	39	3	1	625
2013	1,000 to 5,000	\$1,000 to \$5,000	1	30	2	1	327
2014	1,000 to 5,000	\$5,000 to \$10,000	1	53	2	1	456
2015	1,000 to 5,000	\$5,000 to \$10,000	1	64	3	1	831
2016	5,000 to 10,000	\$10,000 to \$15,000	1	134	2	1	1,320
2017	1,000 to 5,000	\$5,000 to \$10,000	1	56	2	1	489
2018	5,000 to 10,000	\$15,000 to \$20,000	1	73	2	2	1,538

Table 3.15. Annual landings, ex-vessel value, dealers, trips, participants, vessels and tags for Striped Bass in Camden County, 1887 to 2018.

Year	Pounds	Value	Dealers	Trips	Participants	Vessels	Tags
1887	2,350	\$246					
1888	2,636	\$276					
1889	2,499	\$302					
1890	5,104	\$479					
1897	204,000	\$7,650					
1902	4,715	\$472					
1908	2,046	\$150					
1923	626	\$125					
1927	339	\$52					
1928	233	\$31					
1929	1,319	\$239					
1930	3,645	\$614					
1931	3,553	\$528					
1932	5,514	\$833					
1934	31,754	\$346					
1936	7,647	\$696					
1937	844	\$745					
1938	4,864	\$482					
1939	3,160	\$334					
1940	5,024	\$588					
1945	2,538	\$508					
1950	31,415	\$6,563					
1951	27,686	\$5,328					
1952	25,509	\$4,816					
1953	29,846	\$5,455					
1954	44,225	\$7,481					
1955	29,018	\$4,771					
1956	30,103	\$4,738					
1957	23,538	\$3,558					
1958	43,212	\$7,838					
1959	34,361	\$6,255					
1960	30,844	\$4,973					
1961	21,673	\$3,494					
1962	22,300	\$3,568					
1963	30,600	\$4,896					
1964	55,000	\$8,993					
1965	23,600	\$3,776					
1969	0	\$0					
1970	0	\$0					

Table 3.15. (continued) Annual landings, ex-vessel value, dealers, trips, participants, vessels and tags for Striped Bass in Camden County, 1887 to 2018.

Year	Pounds	Value	Dealers	Trips	Participants	Vessels	Tags
1971	0	\$0					
1972	0	\$0					
1973	0	\$0					
1974	0	\$0					
1975	0	\$0					
1976	0	\$0					
1977	0	\$0					
1978	0	\$0					
1979	0	\$0					
1980	0	\$0	0				
1981	0	\$0	0				
1982	0	\$0	0				
1983	0	\$0	0				
1984	0	\$0	0				
1985	<250	<\$250	1				
1986	<251	<\$251	1				
1987	0	\$0	0				
1988	0	\$0	0				
1989	0	\$0	0				
1990	0	\$0	0				
1991	0	\$0	0				
1992	0	\$0	0				
1993	0	\$0	0				
1994	0	\$0	0	0	0	0	
1995	0	\$0	0	0	0	0	
1996	0	\$0	0	0	0	0	
1997	237	\$269	0	16	2	2	
1998	151	\$178	0	12	1	1	
1999	198	\$243	0	14	3	3	
2000	1,000 to 5,000	\$1,000 to \$5,000	1	99	10	9	
2001	1,000 to 5,000	\$1,000 to \$5,000	1	149	7	8	688
2002	1,000 to 5,000	\$1,000 to \$5,000	2	72	4	4	348
2003	<500	\$500 to \$1,000	2	34	4	5	121
2004	<250	<\$500	2	12	1	2	55
2005	<75	<\$75	2	7	2	2	11
2006	<250	<\$500	2	11	1	2	48
2007	1,000 to 5,000	\$5,000 to \$10,000	1	65	3	4	426
2008	<500	\$500 to \$1,000	1	31	4	4	123
2009	500 to 1,000	\$1,000 to \$5,000	1	53	4	5	229

Table 3.15. (continued) Annual landings, ex-vessel value, dealers, trips, participants, vessels and tags for Striped Bass in Camden County, 1887 to 2018.

Year	Pounds	Value	Dealers	Trips	Participants	Vessels	Tags
2010	1,000 to 5,000	\$10,000 to \$15,000	2	154	7	9	995
2011	5,000 to 10,000	\$15,000 to \$20,000	2	116	5	7	1,296
2012	1,000 to 5,000	\$10,000 to \$15,000	1	139	9	9	867
2013	500 to 1,000	\$1,000 to \$5,000	1	53	7	7	144
2014	<500	\$1,000 to \$5,000	1	29	4	5	114
2015	<500	\$1,000 to \$5,000	1	16	2	2	130
2017	1,000 to 5,000	\$5,000 to \$10,000	1	59	4	5	622
2018	1,000 to 5,000	\$5,000 to \$10,000	1	77	4	5	633

Table 3.16. Annual landings, ex-vessel value, dealers, trips, participants, vessels and tags for Striped Bass in Carteret County, 1887 to 2018.

Year	Pounds	Value	Dealers	Trips	Participants	Vessels	Tags
1897	4,500	\$225					
1902	5,870	\$481					
1908	2,547	\$153					
1918	995	\$133					
1923	45,082	\$8,108					
1927	21,906	\$3,328					
1928	15,061	\$2,004					
1929	2,168	\$301					
1930	21,006	\$1,683					
1931	237	\$7					
1932	368	\$11					
1934	847	\$92					
1936	524	\$53					
1938	828	\$41					
1939	538	\$28					
1940	855	\$50					
1945	508	\$102					
1950	7,594	\$1,586					
1951	6,692	\$1,288					
1952	6,166	\$1,164					
1953	7,215	\$1,318					
1954	10,691	\$1,808					
1955	7,015	\$1,153					
1956	7,277	\$1,145					
1957	5,690	\$860					
1958	10,446	\$1,894					

Table 3.16. (continued) Annual landings, ex-vessel value, dealers, trips, participants, vessels and tags for Striped Bass in Carteret County, 1887 to 2018.

Year	Pounds	Value	Dealers	Trips	Participants	Vessels	Tags
1959	8,306	\$1,512					
1960	7,456	\$1,202					
1961	5,239	\$844					
1962	11,900	\$1,904					
1963	14,600	\$2,336					
1964	5,700	\$912					
1965	1,300	\$208					
1966	800	\$123					
1967	699	\$123					
1968	600	\$80					
1969	44,274	\$9,765					
1970	65,437	\$14,373					
1971	1,200	\$182					
1972	17,340	\$5,075					
1973	51,244	\$17,589					
1974	18,572	\$6,432					
1975	103,051	\$56,156					
1976	8,145	\$2,851					
1978	74,707	\$75,669					
1979	132,000	\$108,160					
1980	2,227	\$3,435	8				
1981	10,052	\$16,804	9				
1982	6,359	\$13,704	9				
1983	1,048	\$1,811	5				
1984	178	\$218	5				
1985	182	\$161	4				
1986	7	\$7	2				
1987	17	\$17	1				
1988	449	\$454	4				
1989	148	\$248	3				
1990	160	\$164	3				
1991	75	\$62	3				
1992	35	\$44	3				
1993	65	\$97	2				
1994	337	\$455	6	9	9	9	
1995	2,932	\$3,988	7	29	18	17	
1996	2,790	\$3,395	8	20	16	16	
1997	18,584	\$23,034	11	38	20	20	
1998	21,376	\$25,253	12	36	21	22	

Table 3.16. (continued) Annual landings, ex-vessel value, dealers, trips, participants, vessels and tags for Striped Bass in Carteret County, 1887 to 2018.

Year	Pounds	Value	Dealers	Trips	Participants	Vessels	Tags
1999	1,312	\$1,613	4	15	8	9	
2000	18,759	\$21,391	6	46	15	15	
2001	24,572	\$28,356	9	59	27	28	1,345
2002	34,049	\$40,921	10	199	60	64	1,325
2003	38,676	\$47,454	9	234	73	78	1,664
2004	60,040	\$79,252	12	144	81	79	2,816
2005	26,385	\$49,457	8	95	56	53	1,036
2006	4,130	\$9,724	10	41	24	23	154
2007	13,748	\$27,549	11	51	30	31	656
2008	4,388	\$8,919	5	10	7	7	160
2009	13,801	\$33,221	2	9	8	8	601
2010	8,206	\$19,599	2	6	3	3	466
2011	<75	<\$75	1	1	1	1	14
2012	0	\$0	0	0	0	0	0
2013	117	\$338	3	4	3	3	4
2014	<500	\$500 to \$1,000	1	3	2	2	15
2015	<500	<\$500	1	5	4	4	21
2016	<500	<\$500	1	3	2	2	4
2017	0	\$0	0	0	0	0	0
2018	<500	\$500 to \$1,000	1	5	2	2	13

Table 3.17. Annual landings, ex-vessel value, dealers, trips, participants, vessels and tags for Striped Bass in Chowan County, 1887 to 2018.

Year	Pounds	Value	Dealers	Trips	Participants	Vessels	Tags
1887	40,309	\$2,521					
1888	45,212	\$2,828					
1889	42,872	\$3,094					
1890	35,786	\$3,021					
1897	63,530	\$4,448					
1902	84,730	\$8,469					
1908	36,764	\$2,683					
1918	17,878	\$3,577					
1923	57,182	\$9,030					
1927	68,986	\$15,056					
1928	47,431	\$9,066					
1929	24,845	\$4,112					
1930	24,055	\$4,002					
1931	17,172	\$1,700					

Table 3.17. (continued) Annual landings, ex-vessel value, dealers, trips, participants, vessels and tags for Striped Bass in Chowan County, 1887 to 2018.

Year	Pounds	Value	Dealers	Trips	Participants	Vessels	Tags
1932	26,651	\$2,685					
1934	19,794	\$2,154					
1936	15,712	\$1,325					
1937	10,345	\$1,023					
1938	8,900	\$793					
1939	5,782	\$551					
1940	9,193	\$969					
1950	144,993	\$30,311					
1951	127,778	\$24,606					
1952	117,734	\$22,243					
1953	137,750	\$25,194					
1954	204,114	\$34,549					
1955	133,929	\$22,035					
1956	138,933	\$21,880					
1957	108,635	\$16,430					
1958	199,438	\$36,196					
1959	158,586	\$28,889					
1960	142,354	\$22,965					
1961	100,028	\$16,137					
1962	87,400	\$13,984					
1963	141,800	\$22,688					
1964	82,100	\$13,406					
1965	51,400	\$8,224					
1966	247,500	\$38,143					
1967	508,369	\$88,522					
1968	224,100	\$47,216					
1969	152,489	\$29,300					
1970	225,378	\$43,127					
1971	125,400	\$28,634					
1972	77,596	\$21,800					
1973	167,014	\$59,129					
1974	134,968	\$45,315					
1975	143,390	\$52,124					
1976	88,386	\$41,413					
1977	78,950	\$46,261					
1978	62,679	\$49,157					
1979	33,210	\$30,194					
1980	39,973	\$31,707					6
1981	67,627	\$63,120					5

Table 3.17. (continued) Annual landings, ex-vessel value, dealers, trips, participants, vessels and tags for Striped Bass in Chowan County, 1887 to 2018.

Year	Pounds	Value	Dealers	Trips	Participants	Vessels	Tags
1982	54,624	\$82,314	5				
1983	58,133	\$52,997	5				
1984	114,722	\$86,973	5				
1985	75,891	\$58,341	4				
1986	53,029	\$50,873	3				
1987	79,997	\$79,971	5				
1988	57,337	\$57,337	5				
1989	43,357	\$43,357	5				
1990	41,636	\$57,176	4				
1991	12,736	\$18,873	4				
1992	23,705	\$31,743	4				
1993	8,721	\$10,731	4				
1994	3,395	\$4,583	6	165	52	53	
1995	19,189	\$25,035	4	1055	78	87	
1996	16,109	\$20,775	3	896	66	72	
1997	20,567	\$22,417	3	1013	74	77	
1998	37,497	\$53,024	3	1169	65	70	
1999	32,931	\$40,915	3	1186	67	68	
2000	30,134	\$37,187	3	1189	64	71	
2001	22,867	\$29,523	3	851	43	47	4,771
2002	21,205	\$27,110	4	980	49	54	4,204
2003	24,464	\$34,036	4	803	45	46	4,892
2004	17,035	\$20,640	4	693	31	27	3,199
2005	22,387	\$46,067	4	688	42	39	3,929
2006	22,968	\$60,954	4	870	37	36	5,064
2007	28,948	\$66,657	5	849	40	40	5,827
2008	25,554	\$59,464	6	816	41	42	5,266
2009	23,229	\$59,451	5	851	36	34	5,883
2010	40,280	\$99,795	6	1192	43	35	9,718
2011	33,055	\$98,208	5	849	38	38	6,805
2012	39,669	\$112,329	5	1018	34	31	9,194
2013	13,624	\$49,840	5	553	28	27	3,308
2014	6,057	\$20,258	5	313	23	22	1,577
2015	12,415	\$42,581	5	472	32	37	3,399
2016	19,057	\$66,345	5	601	31	34	5,138
2017	10,056	\$31,183	5	378	28	27	2,476
2018	17,186	\$64,261	5	510	29	25	4,093

Table 3.18. Annual landings, ex-vessel value, dealers, trips, participants, vessels and trips for Striped Bass in Craven County, 1887 to 2018.

Year	Pounds	Value	Dealers	Trips	Participants	Vessels
1887	44,199	\$3,110				
1888	49,575	\$3,489				
1889	47,009	\$3,817				
1890	49,986	\$3,448				
1897	99,800	\$5,200				
1902	38,826	\$2,274				
1908	16,846	\$720				
1918	6,375	\$565				
1923	24,332	\$4,516				
1927	18,256	\$2,456				
1928	12,552	\$1,479				
1929	6,353	\$921				
1930	19,864	\$2,496				
1931	18,237	\$1,806				
1932	28,305	\$2,851				
1934	6,880	\$749				
1936	1,152	\$114				
1937	1,161	\$115				
1938	724	\$72				
1939	471	\$50				
1940	748	\$88				
1945	40,397	\$8,080				
1950	2,703	\$560				
1951	2,382	\$455				
1952	2,195	\$411				
1953	2,568	\$466				
1954	3,806	\$639				
1955	2,497	\$407				
1956	2,590	\$405				
1957	2,026	\$304				
1958	3,719	\$669				
1959	2,957	\$534				
1960	2,654	\$425				
1961	1,865	\$298				
1962	3,800	\$608				
1963	3,500	\$560				
1964	2,400	\$384				
1965	1,600	\$256				
1966	300	\$38				

Table 3.18. (continued) Annual landings, ex-vessel value, dealers, trips, participants, vessels and tags for Striped Bass in Craven County, 1887 to 2018.

Year	Pounds	Value	Dealers	Trips	Participants	Vessels	Tags
1697	0	0					
1968	0	0					
1969	134	\$23					
1970	199	\$34					
1971	0	\$0					
1972	0	\$0					
1973	561	\$160					
1974	110	\$33					
1975	0	\$0					
1976	0	\$0					
1977	0	\$0					
1978	0	\$0					
1979	0	\$0					
1980	0	\$0	0				
1981	0	\$0	0				
1982	0	\$0	0				
1983	0	\$0	0				
1984	0	\$0	0				
1985	0	\$0	0				
1986	115	\$145	3				
1987	450	\$450	3				
1988	0	\$0	0				
1989	0	\$0	0				
1990	0	\$0	0				
1991	1,000 to 5,000	\$1,000 to \$5,000	2				
1992	5,000 to 10,000	\$10,000 to \$15,000	2				
1993	1,000 to 5,000	\$1,000 to \$5,000	2				
1994	7,596	\$10,254	5	265	34	37	
1995	3,692	\$5,028	6	228	31	37	
1996	4,804	\$5,820	6	234	26	30	
1997	3,201	\$3,884	4	227	31	31	
1998	2,288	\$2,719	3	165	20	22	
1999	3,253	\$4,012	4	200	16	17	
2000	2,653	\$3,014	4	149	19	20	
2001	2,137	\$2,491	4	110	11	12	385
2002	2,048	\$2,450	4	113	14	15	313
2003	3,389	\$4,133	4	168	16	18	468
2004	2,252	\$2,954	4	83	7	8	375
2005	1,000 to 5,000	\$1,000 to \$5,000	2	60	9	9	187

Table 3.18. (continued) Annual landings, ex-vessel value, dealers, trips, participants, and vessels for Striped Bass in Craven County, 1887 to 2018.

Year	Pounds	Value	Dealers	Trips	Participants	Vessels	Tags
2006	1,000 to 5,000	\$1,000 to \$5,000	2	74	9	9	249
2007	1,000 to 5,000	\$1,000 to \$5,000	1	79	5	6	297
2008	1,000 to 5,000	\$1,000 to \$5,000	2	97	12	11	255
2009	1,000 to 5,000	\$5,000 to \$10,000	2	117	9	9	496
2010	1,000 to 5,000	\$5,000 to \$10,000	2	86	9	10	537
2011	5,000 to 10,000	\$20,000 to \$50,000	2	221	16	14	1,237
2012	1,000 to 5,000	\$1,000 to \$5,000	2	81	7	8	277
2013	3,090	\$8,962	3	95	13	12	532
2014	1,769	\$4,683	3	61	11	10	297
2015	1,000 to 5,000	\$1,000 to \$5,000	1	50	7	7	294
2016	1,000 to 5,000	\$1,000 to \$5,000	2	54	8	8	303
2017	1,000 to 5,000	\$10,000 to \$15,000	2	132	13	11	736
2018	1,000 to 5,000	\$5,000 to \$10,000	2	107	18	15	465

Table 3.19. Annual landings, ex-vessel value, dealers, trips, participants, vessels and tags for Striped Bass in Currituck County, 1887 to 2018.

Year	Pounds	Value	Dealers	Trips	Participants	Vessels	Tags
1887	3,883	\$285					
1888	4,355	\$320					
1889	4,130	\$350					
1890	5,152	\$363					
1897	48,920	\$3,435					
1902	78,469	\$9,934					
1908	34,047	\$3,147					
1918	51,367	\$7,149					
1923	39,445	\$6,901					
1927	71,929	\$12,671					
1928	49,454	\$7,630					
1929	32,418	\$6,102					
1930	75,107	\$12,282					
1931	67,218	\$7,763					
1932	104,326	\$12,258					
1934	50,278	\$5,471					
1936	36,557	\$3,621					
1937	88,144	\$8,905					
1938	99,966	\$9,900					
1939	64,948	\$6,872					
1940	103,255	\$12,091					

Table 3.19. (continued) Annual landings, ex-vessel value, dealers, trips, participants, vessels and tags for Striped Bass in Currituck County, 1887 to 2018.

Year	Pounds	Value	Dealers	Trips	Participants	Vessels	Tags
1945	65,468	\$13,095					
1950	74,847	\$15,575					
1951	65,961	\$12,644					
1952	60,776	\$11,429					
1953	71,109	\$12,946					
1954	105,367	\$17,753					
1955	69,136	\$11,323					
1956	71,719	\$11,243					
1957	56,079	\$8,443					
1958	102,952	\$18,599					
1959	81,864	\$14,845					
1960	73,485	\$11,801					
1961	51,636	\$8,292					
1962	86,000	\$13,760					
1963	81,000	\$12,960					
1964	58,000	\$9,280					
1965	61,000	\$9,760					
1966	24,400	\$3,700					
1967	11,414	\$2,034					
1968	79,800	\$15,040					
1969	80,606	\$17,715					
1970	119,135	\$26,074					
1971	23,300	\$4,875					
1972	38,615	\$10,065					
1973	22,363	\$8,189					
1974	110,928	\$37,086					
1975	115,213	\$75,770					
1976	36,736	\$19,003					
1978	16,600	\$12,550					
1979	4,140	\$6,406					
1980	5,000 to 10,000	\$5,000 to \$10,000		2			
1981	500 to 1,000	\$500 to \$1,000		1			
1982	1,000 to 5,000	\$5,000 to \$10,000		2			
1983	500 to 1,000	\$500 to \$1,000		1			
1984	50,000 to 100,000	\$50,000 to \$100,000		1			
1985	1,000 to 5,000	\$1,000 to \$5,000		1			
1986	1,000 to 5,000	\$1,000 to \$5,000		1			

Table 3.19. (continued) Annual landings, ex-vessel value, dealers, trips, participants, and vessels for Striped Bass in Currituck County, 1887 to 2018.

Year	Pounds	Value	Dealers	Trips	Participants	Vessels	Tags
1987	0	\$0	0				
1988	0	\$0	0				
1989	0	\$0	0				
1990	500 to 1,000	\$1,000 to \$5,000	1				
1991	1,000 to 5,000	\$5,000 to \$10,000	2				
1992	1,000 to 5,000	\$1,000 to \$5,000	3				
1993	5,000 to 10,000	\$5,000 to \$10,000	2				
1994	11,128	\$15,022	5	284	38	36	
1995	11,070	\$15,098	7	324	45	44	
1996	1,159	\$1,384	3	81	12	13	
1997	4,181	\$5,139	5	99	23	21	
1998	1,030	\$1,247	6	54	17	17	
1999	3,111	\$3,826	6	87	15	17	
2000	2,085	\$2,385	5	112	20	20	
2001	3,312	\$3,841	8	80	15	16	336
2002	12,381	\$14,766	6	109	17	21	980
2003	2,532	\$2,896	5	165	16	19	640
2004	7,410	\$9,668	6	124	18	18	693
2005	19,392	\$38,112	7	238	36	42	1,799
2006	3,594	\$8,202	6	215	24	25	992
2007	13,722	\$29,823	8	237	41	39	1,299
2008	9,531	\$19,984	6	181	29	28	976
2009	4,819	\$11,898	4	161	22	22	622
2010	3,925	\$9,320	6	260	33	34	740
2011	2,500	\$6,595	3	117	18	18	366
2012	500 to 1,000	\$1,000 to \$5,000	2	83	20	20	157
2013	1,000 to 5,000	\$1,000 to \$5,000	2	161	25	25	277
2014	691	\$2,167	3	97	18	19	403
2015	1,866	\$6,021	4	127	19	19	635
2016	768	\$2,608	4	68	13	14	215
2017	1,095	\$3,274	4	71	13	15	328
2018	2,338	\$7,808	5	124	13	15	731

Table 3.20. Annual landings, ex-vessel value, dealers, trips, participants, vessels and tags for Striped Bass in Dare County, 1887 to 2018.

Year	Pounds	Value	Dealers	Trips	Participants	Vessels	Tags
1887	178,351	\$7,331					
1888	200,045	\$8,223					
1889	189,690	\$8,996					
1890	262,423	\$10,368					
1897	364,357	\$26,006					
1902	667,062	\$66,508					
1908	289,435	\$21,071					
1918	148,740	\$23,136					
1923	120,320	\$16,288					
1927	323,970	\$49,235					
1928	222,741	\$29,648					
1929	100,092	\$15,453					
1930	165,469	\$20,170					
1931	127,070	\$12,836					
1932	197,219	\$20,267					
1934	122,784	\$13,360					
1936	497,343	\$36,252					
1937	387,515	\$38,303					
1938	288,101	\$27,228					
1939	187,180	\$18,900					
1940	297,581	\$33,254					
1945	162,402	\$32,483					
1950	174,031	\$35,524					
1951	153,369	\$28,837					
1952	141,313	\$26,068					
1953	165,338	\$29,527					
1954	244,993	\$40,490					
1955	160,751	\$25,824					
1956	166,758	\$25,643					
1957	130,392	\$19,255					
1958	239,380	\$42,420					
1959	190,346	\$33,857					
1960	170,864	\$26,914					
1961	120,061	\$18,912					
1962	236,100	\$37,776					
1963	132,800	\$19,568					
1964	181,200	\$29,566					
1965	110,600	\$17,133					
1966	74,200	\$11,269					

Table 3.20. (continued) Annual landings, ex-vessel value, dealers, trips, participants, vessels and tags for Striped Bass in Dare County, 1887 to 2018.

Year	Pounds	Value	Dealers	Trips	Participants	Vessels	Tags
1967	1,031,878	\$116,586					
1968	600,100	\$111,519					
1969	934,241	\$204,515					
1970	1,380,805	\$301,024					
1971	985,000	\$211,431					
1972	935,222	\$268,613					
1973	1,198,929	\$412,160					
1974	532,134	\$234,792					
1975	455,713	\$267,072					
1976	408,072	\$231,510					
1977	94,287	\$92,051					
1978	78,862	\$99,733					
1979	67,692	\$82,521					
1980	37,367	\$47,466	8				
1981	42,851	\$68,837	10				
1982	101,136	\$195,074	16				
1983	70,487	\$173,828	14				
1984	45,552	\$72,131	14				
1985	8,722	\$6,700	7				
1986	11,697	\$11,697	8				
1987	57,733	\$57,735	8				
1988	4,161	\$4,328	8				
1989	4,412	\$4,435	7				
1990	8,829	\$12,566	13				
1991	14,144	\$19,652	8				
1992	31,339	\$28,656	12				
1993	91,577	\$112,324	20				
1994	193,306	\$260,962	24	1374	232	259	
1995	361,405	\$491,230	30	2399	345	383	
1996	106,605	\$128,603	26	2543	260	290	
1997	469,854	\$571,272	28	4251	394	439	
1998	271,453	\$329,217	27	2332	312	364	
1999	403,229	\$496,561	26	4039	324	414	
2000	241,411	\$278,687	22	5743	293	379	
2001	453,828	\$564,060	26	6891	399	486	48,164
2002	527,803	\$646,250	24	6617	421	507	45,427
2003	369,453	\$473,789	21	6016	331	407	35,005
2004	539,657	\$677,141	21	4686	430	453	35,487
2005	542,725	\$1,055,362	22	6068	456	464	45,929

Table 3.20. (continued) Annual landings, ex-vessel value, dealers, trips, participants, vessels and tags for Striped Bass in Dare County, 1887 to 2018.

Year	Pounds	Value	Dealers	Trips	Participants	Vessels	Tags
2006	148,909	\$356,444	17	3357	278	310	17,652
2007	302,671	\$673,331	17	3454	346	364	21,428
2008	190,553	\$431,513	16	1382	280	298	10,432
2009	174,827	\$424,114	11	1520	216	223	11,689
2010	243,868	\$606,633	14	2087	204	211	19,759
2011	242,257	\$711,022	12	1838	232	234	27,746
2012	22,817	\$64,543	4	647	92	90	4,098
2013	13,865	\$44,604	8	686	104	110	2,326
2014	37,359	\$118,917	10	1062	101	102	5,790
2015	33,004	\$115,797	7	1042	79	90	6,574
2016	16,301	\$55,741	6	608	51	50	3,319
2017	16,360	\$56,918	8	657	53	59	3,467
2018	39,868	\$133,832	8	1324	76	78	9,569

Table 3.21. Annual landings, ex-vessel value, dealers, trips, participants, vessels and tags for Striped Bass in Hyde, 1887 to 2018.

Year	Pounds	Value	Dealers	Trips	Participants	Vessels	Tags
1887	19,516	\$850					
1888	21,890	\$954					
1889	20,757	\$1,043					
1890	28,677	\$1,224					
1897	8,250	\$680					
1902	11,362	\$683					
1908	4,930	\$216					
1918	10,829	\$1,509					
1923	26,618	\$4,524					
1927	1,016	\$112					
1928	699	\$67					
1929	4,525	\$671					
1930	2,673	\$82					
1931	414	\$41					
1932	643	\$65					
1936	1,676	\$157					
1937	1,583	\$125					
1938	931	\$92					
1939	605	\$64					
1940	962	\$113					
1950	437	\$93					

Table 3.21. (continued) Annual landings, ex-vessel value, dealers, trips, participants, vessels and tags for Striped Bass in Hyde, 1887 to 2018.

Year	Pounds	Value	Dealers	Trips	Participants	Vessels	Tags
1951	385	\$76					
1952	355	\$69					
1953	416	\$78					
1954	616	\$107					
1955	404	\$68					
1956	419	\$67					
1957	328	\$51					
1958	602	\$112					
1959	478	\$89					
1960	429	\$71					
1961	302	\$50					
1962	700	\$112					
1963	100	\$16					
1964	200	\$32					
1965	600	\$96					
1966	100	\$23					
1967	233	\$37					
1968	400	\$94					
1969	6,461	\$1,139					
1970	9,550	\$1,676					
1971	3,300	\$691					
1972	1,153	\$343					
1973	2,383	\$791					
1974	5,750	\$1,881					
1975	13,544	\$5,173					
1976	5,427	\$2,896					
1977	22,549	\$32,823					
1978	12,554	\$14,323					
1979	17,741	\$18,432					
1980	18,986	\$27,601		4			
1981	5,962	\$13,100		3			
1982	7,808	\$14,125		4			
1983	1,000 to 5,000	\$5,000 to \$10,000		2			
1984	756	\$678		3			
1985	10,000 to 15,000	\$5,000 to \$10,000		2			
1986	<75	<\$75		2			
1987	<75	<\$75		1			
1988	1,000 to 5,000	\$1,000 to \$5,000		1			
1989	0	\$0		0			

Table 3.21. (continued) Annual landings, ex-vessel value, dealers, trips, participants, vessels and tags for Striped Bass in Hyde, 1887 to 2018.

Year	Pounds	Value	Dealers	Trips	Participants	Vessels	Tags
1990	1,000 to 5,000	\$1,000 to \$5,000	1				
1991	3,734	\$5,603	3				
1992	7,491	\$10,824	3				
1993	24,481	\$30,919	6				
1994	5,106	\$6,893	4	44	18	18	
1995	3,970	\$5,399	7	43	20	22	
1996	3,291	\$4,003	8	82	23	23	
1997	30,445	\$37,615	10	159	53	60	
1998	29,636	\$35,011	9	167	54	56	
1999	72,241	\$88,837	12	172	51	58	
2000	23,358	\$26,635	8	85	28	31	
2001	40,216	\$46,409	7	118	34	40	2,602
2002	48,824	\$58,678	6	119	55	56	2,540
2003	46,250	\$56,747	8	151	67	71	2,348
2004	191,590	\$252,884	12	367	103	115	10,930
2005	157,580	\$300,496	12	672	247	170	7,689
2006	25,736	\$60,108	9	254	82	81	1,410
2007	121,967	\$244,115	6	605	193	61	6,230
2008	101,135	\$211,941	6	283	121	60	4,703
2009	43,953	\$102,516	5	107	39	31	1,876
2010	74,574	\$178,108	5	100	35	36	4,132
2011	39,257	\$99,856	3	96	38	30	2,659
2012	<75	<\$75	1	1	1	1	1
2013	1,000 to 5,000	\$1,000 to \$5,000	2	25	6	6	75
2014	<500	\$500 to \$1,000	2	26	7	6	84
2015	1,000 to 5,000	\$5,000 to \$10,000	2	73	15	12	510
2016	1,000 to 5,000	\$1,000 to \$5,000	2	50	12	9	210
2017	1,000 to 5,000	\$1,000 to \$5,000	2	66	13	11	284
2018	500 to 1,000	\$1,000 to \$5,000	2	37	10	11	111

Table 3.22. Annual landings, ex-vessel value, dealers, trips, participants, vessels and tags for Striped Bass in Other Counties, 1887 to 2018.

Year	Pounds	Value	Dealers	Trips	Participants	Vessels	Tags
1887	44,487	\$2,834					
1888	49,898	\$3,179					
1889	47,315	\$3,478					
1890	48,854	\$3,038					
1897	55,465	\$3,238					

Table 3.22. (continued) Annual landings, ex-vessel value, dealers, trips, participants, vessels and tags for Striped Bass in Other Counties, 1887 to 2018.

Year	Pounds	Value	Dealers	Trips	Participants	Vessels	Tags
1902	85,713	\$6,285					
1908	37,190	\$1,991					
1918	7,635	\$2,870					
1923	42,596	\$7,574					
1927	33,389	\$5,575					
1928	22,956	\$3,357					
1929	9,754	\$1,569					
1930	13,971	\$1,988					
1931	6,277	\$533					
1932	9,741	\$842					
1934	24,027	\$2,614					
1936	14,560	\$1,602					
1937	4,961	\$658					
1938	10,348	\$955					
1939	6,723	\$663					
1940	10,689	\$1,167					
1945	18,473	\$3,143					
1950	6,243	\$1,288					
1951	5,502	\$1,046					
1952	5,069	\$945					
1953	5,931	\$1,071					
1954	8,788	\$1,469					
1955	5,766	\$937					
1956	5,982	\$930					
1957	4,677	\$698					
1958	8,587	\$1,539					
1959	6,828	\$1,228					
1960	6,129	\$976					
1961	4,307	\$686					
1962	14,500	\$2,320					
1963	3,100	\$496					
1964	6,200	\$992					
1965	1,700	\$272					
1966	2,200	\$324					
1967	5,590	\$734					
1968	3,100	\$497					
1969	16,258	\$3,008					
1970	24,029	\$4,427					
1971	3,500	\$832					

Table 3.22. (continued) Annual landings, ex-vessel value, dealers, trips, participants, vessels and tags for Striped Bass in Other Counties, 1887 to 2018.

Year	Pounds	Value	Dealers	Trips	Participants	Vessels	Tags
1972	7,374	\$2,092					
1973	7,846	\$2,216					
1974	15,699	\$5,828					
1975	30,823	\$12,053					
1976	14,747	\$6,603					
1977	7,182	\$4,563					
1978	19,173	\$23,073					
1979	70,715	\$70,580					
1980	20,365	\$26,217	14				
1981	15,896	\$20,535	10				
1982	6,437	\$9,021	13				
1983	9,720	\$16,880	14				
1984	5,741	\$10,093	10				
1985	1,332	\$1,730	5				
1986	1,317	\$1,688	3				
1987	1,525	\$1,748	4				
1988	557	\$672	4				
1989	694	\$741	3				
1990	884	\$1,269	3				
1991	2,355	\$3,602	5				
1992	4,703	\$7,386	8				
1993	1,661	\$2,633	6				
1994	1,399	\$1,889	9	60	20	22	
1995	2,069	\$2,811	14	118	37	39	
1996	8,170	\$9,940	18	373	49	47	
1997	5,679	\$6,978	15	343	49	56	
1998	8,241	\$9,745	16	422	63	70	
1999	7,244	\$8,922	13	398	60	71	
2000	9,128	\$10,449	15	431	60	66	
2001	7,427	\$8,701	11	289	41	47	1,243
2002	4,344	\$5,050	10	218	36	40	794
2003	4,802	\$5,845	15	258	49	55	827
2004	19,148	\$24,604	13	386	56	56	1,833
2005	11,294	\$21,260	15	388	67	71	1,474
2006	11,688	\$27,066	13	430	48	47	1,603
2007	26,115	\$52,156	11	656	59	57	3,341
2008	13,263	\$27,059	12	407	45	46	1,569
2009	9,759	\$22,277	9	295	32	34	1,948
2010	28,223	\$66,018	7	315	34	34	3,457

Table 3.22. (continued) Annual landings, ex-vessel value, dealers, trips, participants, vessels and tags for Striped Bass in Other Counties, 1887 to 2018.

Year	Pounds	Value	Dealers	Trips	Participants	Vessels	Tags
2011	9,008	\$22,949	8	204	22	23	1,936
2012	5,579	\$12,428	5	155	19	15	1,125
2013	3,288	\$9,571	6	151	20	22	493
2014	5,582	\$14,813	5	195	24	27	1,449
2015	6,815	\$20,640	7	236	31	30	1,707
2016	7,311	\$20,504	8	244	25	28	1,393
2017	6,236	\$16,510	7	248	35	36	1,191
2018	5,968	\$17,714	5	222	24	23	1,123

Table 3.23. Annual landings, ex-vessel value, dealers, trips, participants, vessels and tags for Striped Bass in Pasquotank County, 1887 to 2018.

Year	Pounds	Value	Dealers	Trips	Participants	Vessels	Tags
1887	3,566	\$408					
1888	4,000	\$457					
1889	3,793	\$500					
1890	3,857	\$370					
1897	19,401	\$1,570					
1902	2,670	\$267					
1908	1,159	\$85					
1918	6,978	\$1,416					
1923	7,551	\$1,127					
1927	68,917	\$10,005					
1928	47,383	\$6,025					
1929	18,421	\$3,682					
1930	30,372	\$4,913					
1931	13,737	\$2,594					
1932	21,321	\$4,095					
1934	5,292	\$576					
1936	31,215	\$2,783					
1937	30,402	\$2,705					
1938	31,563	\$2,501					
1939	20,506	\$1,736					
1940	32,601	\$3,054					
1945	108,911	\$21,784					
1950	126,788	\$26,541					
1951	111,735	\$21,545					
1952	102,952	\$19,476					
1953	120,455	\$22,061					

Table 3.23. (continued) Annual landings, ex-vessel value, dealers, trips, participants, vessels and tags for Striped Bass in Pasquotank County, 1887 to 2018.

Year	Pounds	Value	Dealers	Trips	Participants	Vessels	Tags
1954	178,487	\$30,252					
1955	117,114	\$19,294					
1956	121,490	\$19,159					
1957	94,996	\$14,387					
1958	174,398	\$31,694					
1959	138,675	\$25,296					
1960	124,481	\$20,109					
1961	87,469	\$14,130					
1962	80,000	\$12,800					
1963	91,000	\$14,560					
1964	147,500	\$24,337					
1965	100,000	\$16,000					
1966	99,200	\$15,288					
1967	116,814	\$19,803					
1968	76,900	\$15,485					
1969	56,769	\$9,439					
1970	83,904	\$13,894					
1971	32,100	\$6,749					
1972	12,340	\$3,301					
1973	23,719	\$8,393					
1974	57,080	\$15,855					
1975	103,442	\$37,636					
1976	156,574	\$69,631					
1977	97,418	\$64,625					
1978	130,500	\$108,155					
1979	82,140	\$93,558					
1980	100,000 to 150,000	\$150,000 to \$200,000					2
1981	100,000 to 150,000	\$100,000 to \$150,000					1
1982	50,000 to 100,000	\$50,000 to \$100,000					1
1983	50,000 to 100,000	\$50,000 to \$100,000					1
1984	50,000 to 100,000	\$50,000 to \$100,000					1
1985	20,000 to 50,000	\$20,000 to \$50,000					2
1986	20,000 to 50,000	\$20,000 to \$50,000					2
1987	20,000 to 50,000	\$20,000 to \$50,000					2
1988	15,000 to 20,000	\$15,000 to \$20,000					2
1989	26,510	\$26,512					3
1990	35,107	\$50,759					3
1991	58,835	\$84,129					3
1992	48,999	\$66,222					3

Table 3.23. (continued) Annual landings, ex-vessel value, dealers, trips, participants, vessels and tags for Striped Bass in Pasquotank County, 1887 to 2018.

Year	Pounds	Value	Dealers	Trips	Participants	Vessels	Tags
1993	48,933	\$62,000	4				
1994	24,602	\$33,212	3	542	98	100	
1995	19,378	\$26,256	3	1021	113	116	
1996	22,325	\$27,168	4	1221	119	121	
1997	7,475	\$8,464	4	685	99	101	
1998	12,748	\$15,343	4	626	75	73	
1999	10,747	\$13,276	4	529	56	63	
2000	16,929	\$19,695	3	836	62	67	
2001	11,847	\$14,783	3	754	64	66	3,193
2002	9,564	\$11,106	3	597	60	67	2,245
2003	28,993	\$34,597	3	1392	75	86	6,659
2004	39,152	\$47,844	3	1289	54	57	5,945
2005	29,843	\$56,328	3	943	55	55	5,062
2006	14,738	\$34,275	5	644	27	28	3,447
2007	18,124	\$35,920	3	735	41	39	4,193
2008	1,000 to 5,000	\$5,000 to \$10,000	2	302	35	33	945
2009	5,000 to 10,000	\$10,000 to \$15,000	2	411	37	43	1,284
2010	20,000 to 50,000	\$50,000 to \$100,000	2	939	52	53	6,080
2011	20,000 to 50,000	\$50,000 to \$100,000	2	626	46	44	5,151
2012	20,000 to 50,000	\$50,000 to \$100,000	2	679	45	41	5,269
2013	10,000 to 15,000	\$20,000 to \$50,000	2	568	43	39	3,157
2014	5,000 to 10,000	\$20,000 to \$50,000	2	500	36	41	1,872
2015	15,000 to 20,000	\$50,000 to \$100,000	2	799	48	45	4,842
2016	20,000 to 50,000	\$50,000 to \$100,000	2	955	42	39	7,243
2017	5,000 to 10,000	\$20,000 to \$50,000	2	355	31	31	1,920
2018	5,000 to 10,000	\$20,000 to \$50,000	2	319	27	25	1,930

Table 3.24. Annual landings, ex-vessel value, dealers, trips, participants, vessels and tags for Striped Bass in Perquimans County, 1887 to 2018.

Year	Pounds	Value	Dealers	Trips	Participants	Vessels	Tags
1887	4,852	\$364					
1888	5,443	\$408					
1889	5,161	\$447					
1890	4,861	\$328					
1897	11,010	\$764					
1902	17,807	\$1,783					
1908	7,726	\$565					
1918	11,522	\$2,284					

Table 3.24. (continued) Annual landings, ex-vessel value, dealers, trips, participants, vessels and tags for Striped Bass in Perquimans County, 1887 to 2018.

Year	Pounds	Value	Dealers	Trips	Participants	Vessels	Tags
1923	23,191	\$3,676					
1927	36,933	\$6,526					
1928	25,393	\$3,930					
1929	5,166	\$1,028					
1930	72,894	\$9,213					
1931	35,528	\$3,518					
1932	55,141	\$5,554					
1934	12,702	\$1,382					
1936	28,491	\$2,580					
1937	30,718	\$2,661					
1938	30,010	\$2,378					
1939	19,498	\$1,650					
1940	30,998	\$2,904					
1945	74,806	\$14,962					
1950	22,716	\$4,761					
1951	20,019	\$3,865					
1952	18,445	\$3,494					
1953	21,582	\$3,957					
1954	31,979	\$5,427					
1955	20,983	\$3,461					
1956	21,767	\$3,437					
1957	17,020	\$2,581					
1958	31,246	\$5,686					
1959	24,846	\$4,538					
1960	22,303	\$3,607					
1961	15,672	\$2,535					
1962	30,000	\$4,800					
1963	35,000	\$5,600					
1964	20,000	\$3,285					
1965	13,000	\$2,080					
1969	0	\$0					
1970	0	\$0					
1979	280	\$224					
1980	1,000 to 5,000	\$1,000 to \$5,000					1
1981	1,000 to 5,000	\$1,000 to \$5,000					1
1982	1,000 to 5,000	\$5,000 to \$10,000					1
1983	10,000 to 15,000	\$10,000 to \$15,000					1
1984	\$15,000 to \$20,000	\$15,000 to \$20,000					2
1985	20,000 to 50,000	\$15,000 to \$20,000					2

Table 3.24. (continued) Annual landings, ex-vessel value, dealers, trips, participants, vessels and tags for Striped Bass in Perquimans County, 1887 to 2018.

Year	Pounds	Value	Dealers	Trips	Participants	Vessels	Tags
1986	0	\$0	0				
1987	1,000 to 5,000	\$1,000 to \$5,000	1				
1988	0	\$0	0				
1989	0	\$0	0				
1990	0	\$0	0				
1991	0	\$0	0				
1992	0	\$0	0				
1993	0	\$0	0				
1994	215	\$290	3	10	3	3	
1995	1,000 to 5,000	\$1,000 to \$5,000	1	50	7	7	
1996	885	\$1,076	5	56	20	20	
1997	8,565	\$10,315	4	544	49	54	
1998	15,000 to 20,000	\$20,000 to \$50,000	2	608	54	56	
1999	20,000 to 50,000	\$20,000 to \$50,000	2	1107	58	69	
2000	20,000 to 50,000	\$20,000 to \$50,000	2	1297	64	83	
2001	20,000 to 50,000	\$20,000 to \$50,000	2	1326	68	80	6,876
2002	16,717	\$19,755	3	913	56	62	3,689
2003	20,000 to 50,000	\$20,000 to \$50,000	2	889	45	48	4,562
2004	15,000 to 20,000	\$20,000 to \$50,000	2	697	42	41	3,217
2005	20,000 to 50,000	\$20,000 to \$50,000	2	581	41	38	3,531
2006	15,000 to 20,000	\$50,000 to \$100,000	2	736	27	29	4,262
2007	10,000 to 15,000	\$20,000 to \$50,000	1	465	26	23	2,685
2008	5,000 to 10,000	\$10,000 to \$15,000	1	247	27	27	1,166
2009	10,000 to 15,000	\$20,000 to \$50,000	1	545	34	36	2,854
2010	20,000 to 50,000	\$50,000 to \$100,000	2	1015	41	37	8,998
2011	20,000 to 50,000	\$50,000 to \$100,000	1	669	36	35	5,602
2012	15,000 to 20,000	\$20,000 to \$50,000	2	581	43	37	4,803
2013	22,802	\$71,028	3	654	46	43	5,216
2014	8,080	\$21,650	3	425	32	22	1,909
2015	30,893	\$90,620	3	1002	43	34	8,675
2016	41,954	\$113,318	6	1367	47	36	11,177
2017	31,270	\$82,215	3	947	40	36	7,450
2018	35,702	\$105,978	5	985	40	34	8,434

Table 3.25. Annual landings, ex-vessel value, dealers, trips, participants, vessels and tags for Striped Bass in Tyrrell County, 1887 to 2018.

Year	Pounds	Value	Dealers	Trips	Participants	Vessels	Tags
1887	112,400	\$4,602					
1888	126,072	\$5,162					
1889	119,547	\$5,648					
1890	140,726	\$7,198					
1897	50,830	\$3,566					
1902	100,126	\$9,688					
1908	43,444	\$3,069					
1918	1,975	\$475					
1923	51,358	\$9,202					
1927	23,379	\$5,127					
1928	16,074	\$3,087					
1929	15,610	\$3,185					
1930	14,700	\$1,899					
1931	7,106	\$704					
1932	11,028	\$1,111					
1934	39,164	\$4,261					
1936	124,859	\$11,331					
1937	86,877	\$8,590					
1938	22,767	\$1,973					
1939	14,792	\$1,369					
1940	23,516	\$2,409					
1945	101,501	\$20,302					
1951	127,061	\$24,144					
1952	117,072	\$21,826					
1953	136,976	\$24,722					
1954	202,968	\$33,901					
1955	133,177	\$21,622					
1956	138,153	\$21,470					
1957	108,025	\$16,122					
1958	198,317	\$35,517					
1959	157,695	\$28,347					
1960	141,554	\$22,534					
1961	99,466	\$15,834					
1962	124,500	\$19,920					
1963	154,000	\$23,500					
1964	113,400	\$18,711					
1965	81,100	\$12,895					
1966	132,300	\$20,109					
1968	177,800	\$34,946					

Table 3.25. (continued) Annual landings, ex-vessel value, dealers, trips, participants, vessels and tags for Striped Bass in Tyrrell County, 1887 to 2018.

Year	Pounds	Value	Dealers	Trips	Participants	Vessels	Tags
1969	149,293	\$28,009					
1970	220,655	\$41,226					
1971	174,100	\$37,813					
1972	114,089	\$30,782					
1973	185,473	\$56,933					
1974	44,608	\$14,412					
1975	150,747	\$57,262					
1976	189,568	\$88,645					
1977	158,751	\$97,211					
1978	184,728	\$156,133					
1979	99,367	\$77,343					
1980	50,000 to 100,000	\$50,000 to \$100,000	2				
1981	50,000 to 100,000	\$50,000 to \$100,000	1				
1982	20,000 to 50,000	\$50,000 to \$100,000	2				
1983	50,000 to 100,000	\$50,000 to \$100,000	1				
1984	100,000 to 150,000	\$100,000 to \$150,000	1				
1985	50,000 to 100,000	\$50,000 to \$100,000	1				
1986	50,000 to 100,000	\$50,000 to \$100,000	1				
1987	50,000 to 100,000	\$50,000 to \$100,000	1				
1988	20,000 to 50,000	\$20,000 to \$50,000	2				
1989	20,000 to 50,000	\$20,000 to \$50,000	1				
1990	20,000 to 50,000	\$20,000 to \$50,000	1				
1991	20,000 to 50,000	\$20,000 to \$50,000	1				
1992	20,000 to 50,000	\$20,000 to \$50,000	1				
1993	19,333	\$25,022	3				
1994	13,089	\$17,670	4	546	67	73	
1995	19,002	\$26,104	4	1065	74	82	
1996	11,157	\$13,538	4	843	52	52	
1997	12,584	\$14,289	5	876	55	60	
1998	10,000 to 15,000	\$15,000 to \$20,000	2	614	40	43	
1999	10,000 to 15,000	\$15,000 to \$20,000	2	702	30	39	
2000	16,664	\$18,797	4	941	35	47	
2001	16,218	\$19,874	5	927	38	44	3,816
2002	12,121	\$14,561	3	845	38	42	2,936
2003	17,397	\$21,403	3	894	43	45	3,940
2004	5,000 to 10,000	\$10,000 to \$15,000	1	511	22	22	2,215
2005	23,436	\$43,950	3	716	56	54	3,381
2006	20,000 to 50,000	\$20,000 to \$50,000	2	925	45	45	5,213
2007	20,000 to 50,000	\$20,000 to \$50,000	1	610	42	44	3,016

Table 3.25. (continued) Annual landings, ex-vessel value, dealers, trips, participants, vessels and tags for Striped Bass in Tyrrell County, 1887 to 2018.

Year	Pounds	Value	Dealers	Trips	Participants	Vessels	Tags
2008	1,000 to 5,000	\$5,000 to \$10,000	2	180	33	33	550
2009	1,000 to 5,000	\$1,000 to \$5,000	1	116	20	20	300
2010	15,000 to 20,000	\$20,000 to \$50,000	1	698	36	34	4,591
2011	10,000 to 15,000	\$20,000 to \$50,000	1	533	37	37	3,139
2012	5,000 to 10,000	\$15,000 to \$20,000	2	391	42	44	1,824
2013	1,000 to 5,000	\$5,000 to \$10,000	2	198	30	28	536
2014	5,000 to 10,000	\$20,000 to \$50,000	1	395	26	27	2,268
2015	10,000 to 15,000	\$20,000 to \$50,000	2	421	24	23	2,719
2016	5,000 to 10,000	\$20,000 to \$50,000	1	390	19	20	1,688
2017	1,000 to 5,000	\$5,000 to \$10,000	1	160	20	20	758
2018	1,000 to 5,000	\$10,000 to \$15,000	1	211	23	20	877

Table 3.26. Annual landings, ex-vessel value, dealers, trips, participants, vessels and tags for Striped Bass in Washington County, 1950 to 2018. There were no landings reported from Washington county before 1950.

Year	Pounds	Value	Dealers	Trips	Participants	Vessels	Tags
1950	7,362	\$1,536					
1951	6,488	\$1,247					
1952	5,978	\$1,127					
1953	6,995	\$1,277					
1954	10,365	\$1,751					
1955	6,801	\$1,117					
1956	7,055	\$1,109					
1957	5,516	\$833					
1958	10,127	\$1,834					
1959	8,053	\$1,464					
1960	7,228	\$1,164					
1961	5,079	\$818					
1962	7,900	\$1,264					
1963	5,300	\$848					
1964	6,500	\$1,040					
1965	1,200	\$192					
1966	11,000	\$1,714					
1968	574,000	\$124,439					
1969	42,856	\$7,693					
1970	63,341	\$11,323					
1971	48,800	\$10,514					

Table 3.26. (continued) Annual landings, ex-vessel value, dealers, trips, participants, vessels and tags for Striped Bass in Washington County, 1887 to 2018. There were no landings reported from Washington county before 1950.

Year	Pounds	Value	Dealers	Trips	Participants	Vessels	Tags
1972	4,821	\$1,380					
1973	8,240	\$2,722					
1974	46,568	\$15,369					
1975	63,372	\$23,375					
1976	115,001	\$52,896					
1977	85,642	\$54,307					
1978	89,595	\$67,498					
1979	19,491	\$16,857					
1980	20,000 to 50,000	\$20,000 to \$50,000	2				
1981	20,000 to 50,000	\$20,000 to \$50,000	1				
1982	22,394	\$28,197	3				
1983	5,877	\$10,723	3				
1984	6,701	\$7,360	4				
1985	500 to 1,000	\$500 to \$1,000	2				
1986	10,000 to 15,000	\$10,000 to \$15,000	1				
1987	1,000 to 5,000	\$1,000 to \$5,000	1				
1988	0	\$0	0				
1989	<250	<\$250	1				
1990	<500	\$500 to \$1,000	2				
1991	<250	<\$250	1				
1992	<75	<\$75	1				
1993	50,000 to 100,000	\$50,000 to \$100,000	1				
1994	500 to 1,000	\$500 to \$1,000	1	9	2	3	
1995	<75	<\$75	1	3	1	1	
1996	<75	<\$250	1	12	2	3	
1997	<500	\$500 to \$1,000	2	40	2	3	
1998	1,000 to 5,000	\$1,000 to \$5,000	2	78	2	4	
1999	1,000 to 5,000	\$1,000 to \$5,000	2	76	2	2	
2000	1,000 to 5,000	\$1,000 to \$5,000	2	42	2	3	
2001	1,000 to 5,000	\$1,000 to \$5,000	2	46	2	4	279
2002	<500	<\$500	2	19	2	3	65
2003	<500	<\$500	1	6	1	1	30
2004	<500	<\$500	1	8	1	1	40
2005	500 to 1,000	\$1,000 to \$5,000	1	31	1	1	189
2006	1,000 to 5,000	\$1,000 to \$5,000	2	62	5	6	310
2007	5,000 to 10,000	\$10,000 to \$15,000	1	58	8	7	320
2008	5,000 to 10,000	\$10,000 to \$15,000	1	20	9	10	165
2009	0	\$0	0	0	0	0	0

Table 3.26. (continued) Annual landings, ex-vessel value, dealers, trips, participants, vessels and tags for Striped Bass in Washington County, 1887 to 2018. There were no landings reported from Washington county before 1950.

Year	Pounds	Value	Dealers	Trips	Participants	Vessels	Tags
2010	500 to 1,000	\$1,000 to \$5,000	1	31	3	3	99
2011	0	\$0	0	0	0	0	139
2012	0	\$0	0	0	0	0	0
2013	0	\$0	0	0	0	0	0
2014	0	\$0	0	0	0	0	0
2015	0	\$0	0	0	0	0	0
2016	0	\$0	0	0	0	0	0
2017	0	\$0	0	0	0	0	0
2018	0	\$0	0	0	0	0	0

Table 3.27. Average landings, ex-vessel value, and trips of Striped Bass by port, 1994 to 2018.

Port	Pounds	Ex-Vessel Value	Trips
Edenton Area	906,315	\$1,846,459	36,498
Elizabeth City Area	592,150	\$1,135,098	22,957
Engelhard/Swan Quarter	854,532	\$1,508,117	3,184
Hatteras Area	1,146,734	\$1,547,464	3,782
New Bern/Beaufort/Down East	367,185	\$563,862	4,314
Ocracoke	211,332	\$327,885	718
Other Ports	1,198,904	\$2,115,545	40,416
Pamlico/Beaufort and Northern Craven Counties	417,020	\$901,877	14,153
Wanchese Area	4,162,456	\$7,245,739	48,034
Wilmington Area	21,136	\$30,649	1,066

Table 3.28. Annual landings, ex-vessel value, trips, participants, vessels, and dealers for Striped Bass in the Edenton Area, 1994 to 2018.

Year	Pounds	Ex-Vessel Value	Dealers	Trips	Participants	Vessels
1994	13,805	\$18,636	9	584	72	79
1995	21,499	\$29,420	8	1,203	86	95
1996	13,616	\$16,465	12	1,008	76	78
1997	24,366	\$28,120	13	1,583	108	121
1998	35,137	\$44,737	8	1,439	97	107
1999	46,892	\$57,843	8	2,016	94	115
2000	50,767	\$58,646	10	2,466	105	136
2001	51,615	\$65,378	11	2,464	112	131

Table 3.28. (continued) Annual landings, ex-vessel value, trips, participants, vessels, and dealers for Striped Bass in the Edenton Area, 1994 to 2018.

Year	Pounds	Ex-Vessel Value	Dealers	Trips	Participants	Vessels
2002	33,867	\$40,468	10	1,984	97	111
2003	43,575	\$54,334	8	1,963	90	96
2004	32,772	\$42,277	6	1,423	71	69
2005	51,035	\$99,362	8	1,475	99	93
2006	44,866	\$112,773	8	1,861	78	83
2007	42,772	\$93,265	5	1,261	79	79
2008	15,370	\$35,766	6	556	69	70
2009	17,558	\$43,525	4	815	56	59
2010	62,504	\$150,424	6	1,946	80	75
2011	38,940	\$104,768	4	1,366	77	76
2012	33,493	\$76,999	6	1,169	87	84
2013	27,721	\$86,490	7	962	79	74
2014	19,119	\$52,430	6	902	62	51
2015	44,145	\$130,914	7	1,509	70	60
2016	54,026	\$147,653	8	1,871	68	59
2017	38,374	\$104,419	7	1,224	64	59
2018	48,486	\$151,347	8	1,448	73	60

Table 3.29. Annual landings, ex-vessel value, trips, participants, vessels, and dealers for Striped Bass in the Elizabeth City Area, 1994 to 2018.

Year	Pounds	Ex-Vessel Value	Dealers	Trips	Participants	Vessels
1994	35,729	\$48,234	8	826	131	131
1995	30,410	\$41,302	9	1,344	150	153
1996	23,484	\$28,552	7	1,302	129	131
1997	11,893	\$13,872	10	800	120	120
1998	13,920	\$16,757	10	691	90	88
1999	14,056	\$17,346	12	630	71	81
2000	20,564	\$23,846	9	1,035	84	89
2001	17,951	\$21,846	12	979	81	86
2002	23,102	\$27,224	10	757	71	80
2003	31,079	\$37,027	9	1,533	82	95
2004	46,148	\$56,984	9	1,383	68	71
2005	48,472	\$93,196	10	1,138	82	86
2006	18,260	\$42,341	10	858	45	48
2007	35,140	\$72,324	11	1,009	78	70
2008	14,649	\$30,667	9	494	58	55
2009	10,746	\$24,925	6	623	58	65
2010	34,878	\$83,189	8	1,328	83	86

Table 3.29. (continued) Annual landings, ex-vessel value, trips, participants, vessels, and dealers for Striped Bass in the Elizabeth City Area, 1994 to 2018.

Year	Pounds	Ex-Vessel Value	Dealers	Trips	Participants	Vessels
2011	32,170	\$87,890	6	859	63	63
2012	27,075	\$66,022	5	901	70	66
2013	15,131	\$44,680	5	782	71	68
2014	9,328	\$25,745	5	622	54	61
2015	21,388	\$64,354	7	942	65	64
2016	31,670	\$88,381	8	1112	58	55
2017	12,065	\$36,010	7	485	45	49
2018	12,845	\$42,385	9	524	41	41

Table 3.30. Annual landings, ex-vessel value, trips, participants, vessels, and dealers for Striped Bass in Engelhard/Swan Quarter, 1994 to 2018.

Year	Pounds	Ex-Vessel Value	Dealers	Trips	Participants	Vessels
1994	5,069	\$6,843	3	42	16	16
1995	3,755	\$5,107	5	34	14	15
1996	3,002	\$3,651	6	75	17	17
1997	22,955	\$28,452	7	128	42	47
1998	29,235	\$34,538	8	157	50	51
1999	67,472	\$82,972	9	152	41	45
2000	17,656	\$20,133	6	55	20	22
2001	31,307	\$36,128	6	81	26	30
2002	25,019	\$30,068	5	52	28	30
2003	27,396	\$33,614	7	58	29	32
2004	136,806	\$180,570	7	234	56	65
2005	98,375	\$189,518	6	527	183	104
2006	8,309	\$19,406	4	179	33	34
2007	114,214	\$228,597	4	573	179	53
2008	100,105	\$209,848	4	271	115	53
2009	43,565	\$101,611	4	105	38	30
2010	74,300	\$177,454	4	87	29	30
2011	39,257	\$99,856	3	96	38	30
2012	<500	<\$500	1	1	1	1
2013	1,000 to 5,000	\$1,000 to \$5,000	2	25	6	6
2014	<500	\$1,000 to \$5,000	2	26	7	6
2015	1,000 to 5,000	\$5,000 to \$10,000	2	73	15	12
2016	1,000 to 5,000	\$1,000 to \$5,000	2	50	12	9
2017	1,000 to 5,000	\$1,000 to \$5,000	2	66	13	11
2018	500 to 1,000	\$1,000 to \$5,000	2	37	10	11

Table 3.31. Annual landings, ex-vessel value, trips, participants, vessels, and dealers for Striped Bass in the Hatteras Area, 1994 to 2018.

Year	Pounds	Ex-Vessel Value	Dealers	Trips	Participants	Vessels
1994	11,565	\$15,613	7	55	25	24
1995	156,769	\$213,203	9	541	105	111
1996	30,564	\$37,182	7	122	55	55
1997	157,570	\$195,243	9	634	139	142
1998	57,266	\$67,653	8	260	87	92
1999	215,995	\$265,615	9	285	109	115
2000	37,341	\$42,579	4	80	33	34
2001	71,436	\$82,533	7	314	84	93
2002	116,135	\$139,637	6	379	121	128
2003	27,488	\$33,727	6	159	71	72
2004	95,727	\$126,358	6	348	141	141
2005	122,209	\$229,079	7	343	140	128
2006	15,416	\$36,005	3	79	52	51
2007	20,869	\$41,769	3	122	49	47
2008	10,138	\$20,606	3	50	19	21
2009	<500	<\$500	1	2	2	2
2010	<500	<\$500	2	4	3	3
2011	<500	<\$500	1	1	1	1
2012	0	\$0	0	0	0	0
2013	0	\$0	0	0	0	0
2014	0	\$0	0	0	0	0
2015	0	\$0	0	0	0	0
2016	0	\$0	0	0	0	0
2017	0	\$0	0	0	0	0
2018	<500	<\$500	1	4	2	2

Table 3.32. Annual landings, ex-vessel value, trips, participants, vessels, and dealers for Striped Bass in New Bern/Beaufort/Down East, 1994 to 2018.

Year	Pounds	Ex-Vessel Value	Dealers	Trips	Participants	Vessels
1994	7,933	\$10,709	11	274	43	46
1995	6,624	\$9,015	13	257	49	54
1996	7,589	\$9,210	13	253	41	45
1997	21,784	\$26,918	15	265	50	50
1998	23,664	\$27,972	15	201	40	44
1999	4,565	\$5,626	8	215	24	26
2000	21,413	\$24,404	10	195	34	35
2001	26,709	\$30,847	13	169	38	40
2002	36,006	\$43,261	13	311	73	78

Table 3.32. (continued) Annual landings, ex-vessel value, trips, participants, vessels, and dealers for Striped Bass in New Bern/Beaufort/Down East, 1994 to 2018.

Year	Pounds	Ex-Vessel Value	Dealers	Trips	Participants	Vessels
2003	42,065	\$51,587	13	402	89	96
2004	62,292	\$82,206	16	227	88	87
2005	27,447	\$51,501	10	155	65	62
2006	5,415	\$12,721	12	115	33	32
2007	15,171	\$30,397	11	129	34	36
2008	5,743	\$11,803	7	107	19	18
2009	16,577	\$39,490	4	126	17	17
2010	11,035	\$26,355	4	92	12	13
2011	8,630	\$22,017	3	222	17	15
2012	1,000 to 5,000	\$1,000 to \$5,000	2	81	7	8
2013	3,188	\$9,245	5	98	15	14
2014	2,010	\$5,319	4	64	13	12
2015	1,000 to 5,000	\$5,000 to \$10,000	2	55	11	11
2016	1,897	\$5,120	3	57	10	10
2017	5,000 to 10,000	\$10,000 to \$15,000	2	132	13	11
2018	2,524	\$7,510	3	112	20	17

Table 3.33. Annual landings, ex-vessel value, trips, participants, vessels, and dealers for Striped Bass in Ocracoke, 1994 to 2018.

Year	Pounds	Ex-Vessel Value	Dealers	Trips	Participants	Vessels
1994	<500	<\$500	1	2	2	2
1995	<500	<\$500	2	9	6	7
1996	<500	<\$500	2	7	6	6
1997	7,490	\$9,163	3	31	12	13
1998	<500	<\$500	1	10	4	5
1999	4,769	\$5,865	3	20	11	13
2000	5,000 to 10,000	\$5,000 to \$10,000	2	30	8	9
2001	5,000 to 10,000	\$10,000 to \$15,000	1	37	8	10
2002	20,000 to 50,000	\$20,000 to \$50,000	1	67	27	26
2003	15,000 to 20,000	\$20,000 to \$50,000	1	93	38	39
2004	54,784	\$72,314	5	133	47	50
2005	59,205	\$110,978	6	145	64	66
2006	17,427	\$40,702	5	75	49	47
2007	5,000 to 10,000	\$15,000 to \$20,000	2	32	14	8
2008	1,000 to 5,000	\$1,000 to \$5,000	2	12	6	7
2009	<500	<\$500	1	2	1	1
2010	<500	\$500 to \$1000	1	13	6	6
2011	0	\$0	0	0	0	0

Table 3.33. (continued) Annual landings, ex-vessel value, trips, participants, vessels, and dealers for Striped Bass in Ocracoke, 1994 to 2018.

Year	Pounds	Ex-Vessel Value	Dealers	Trips	Participants	Vessels
2012	0	\$0	0	0	0	0
2013	0	\$0	0	0	0	0
2014	0	\$0	0	0	0	0
2015	0	\$0	0	0	0	0
2016	0	\$0	0	0	0	0
2017	0	\$0	0	0	0	0
2018	0	\$0	0	0	0	0

Table 3.34. Annual landings, ex-vessel value, trips, participants, vessels, and dealers for Striped Bass in Other Ports, 1994 to 2018.

Year	Pounds	Ex-Vessel Value	Dealers	Trips	Participants	Vessels
1994	32,838	\$44,331	16	642	113	121
1995	33,463	\$44,332	15	1,634	137	157
1996	49,788	\$61,780	16	2,353	138	155
1997	55,234	\$65,367	16	2,853	169	188
1998	62,306	\$81,962	14	1,934	129	154
1999	78,992	\$97,581	16	3,037	138	167
2000	93,757	\$109,817	15	3,930	142	189
2001	99,379	\$120,996	12	3,897	115	141
2002	82,046	\$100,351	11	3,361	103	121
2003	72,485	\$95,205	12	1,955	95	108
2004	50,752	\$64,103	9	1,158	64	58
2005	110,950	\$219,006	8	2,634	107	102
2006	54,738	\$132,487	11	1,842	82	75
2007	66,461	\$148,090	11	1,684	81	80
2008	31,865	\$74,580	9	911	59	61
2009	27,888	\$70,949	8	845	48	45
2010	38,927	\$96,117	8	1,147	49	40
2011	30,175	\$89,388	6	731	38	37
2012	38,651	\$109,664	5	928	37	30
2013	13,917	\$49,900	8	527	37	35
2014	6,610	\$21,446	7	302	25	23
2015	15,206	\$50,343	7	527	36	39
2016	22,566	\$74,856	7	689	35	38
2017	12,155	\$33,293	6	437	29	31
2018	17,756	\$59,601	6	458	31	32

Table 3.35. Annual landings, ex-vessel value, trips, participants, vessels, and dealers for Striped Bass in Pamlico/Beaufort Counties, 1994 to 2018.

Year	Pounds	Ex-Vessel Value	Dealers	Trips	Participants	Vessels
1994	1,564	\$2,111	6	44	20	22
1995	3,158	\$4,302	8	192	45	46
1996	6,039	\$7,357	8	355	48	49
1997	5,465	\$6,674	10	434	78	82
1998	12,481	\$14,776	14	631	84	89
1999	12,882	\$15,845	11	718	99	121
2000	17,275	\$19,827	13	874	124	135
2001	13,360	\$16,074	14	571	92	95
2002	10,127	\$12,142	12	470	78	81
2003	10,103	\$12,399	14	589	95	100
2004	23,226	\$29,816	13	544	91	93
2005	15,186	\$28,621	13	573	103	108
2006	12,552	\$29,072	12	547	79	78
2007	28,797	\$57,641	13	779	89	90
2008	19,837	\$40,491	14	694	76	78
2009	24,236	\$55,368	15	809	85	83
2010	35,826	\$84,183	12	544	71	75
2011	19,257	\$49,485	14	457	60	59
2012	20,956	\$47,743	11	480	59	54
2013	22,992	\$68,215	12	607	60	61
2014	21,541	\$58,677	13	684	82	81
2015	24,890	\$77,055	14	728	86	83
2016	20,284	\$61,401	12	591	69	68
2017	18,517	\$51,685	13	628	80	86
2018	16,472	\$50,918	11	610	55	56

Table 3.36. Annual landings, ex-vessel value, trips, participants, vessels, and dealers for Striped Bass in the Wanchese Area, 1994 to 2018.

Year	Pounds	Ex-Vessel Value	Dealers	Trips	Participants	Vessels
1994	152,881	\$206,389	13	846	157	177
1995	190,559	\$259,095	16	1,296	205	229
1996	42,959	\$51,201	14	1,006	149	166
1997	278,841	\$334,579	13	1,886	204	229
1998	187,958	\$230,578	13	1,320	186	217
1999	141,688	\$174,922	12	1,956	175	230
2000	141,124	\$163,984	12	2,937	207	257
2001	304,513	\$388,010	14	3,506	273	331
2002	351,179	\$433,487	14	3,875	290	346

Table 3.36. (continued) Annual landings, ex-vessel value, trips, participants, vessels, and dealers for Striped Bass in the Wanchese Area, 1994 to 2018.

Year	Pounds	Ex-Vessel Value	Dealers	Trips	Participants	Vessels
2003	292,807	\$376,872	12	4,697	240	302
2004	405,217	\$501,062	12	3,778	283	300
2005	329,259	\$647,771	13	3,784	276	297
2006	103,698	\$252,927	12	2,356	203	234
2007	243,402	\$547,764	12	2,546	299	306
2008	173,769	\$394,791	12	1,238	258	268
2009	169,593	\$410,409	9	1,457	209	214
2010	242,370	\$603,055	11	2,038	201	206
2011	242,161	\$710,778	11	1,837	232	234
2012	22,817	\$64,543	4	647	92	90
2013	12,813	\$41,559	7	647	99	105
2014	37,289	\$118,732	9	1,060	101	101
2015	32,258	\$113,610	6	1,018	77	88
2016	14,607	\$51,169	5	560	49	47
2017	12,957	\$47,973	6	553	51	54
2018	35,739	\$120,478	5	1,190	66	68

Table 3.37. Annual landings, ex-vessel value, trips, participants, vessels, and dealers for Striped Bass in the Wilmington Area, 1994 to 2018.

Year	Pounds	Ex-Vessel Value	Dealers	Trips	Participants	Vessels
1994	480	\$649	3	31	6	6
1995	338	\$460	5	30	10	9
1996	4,270	\$5,194	6	158	15	14
1997	2,187	\$2,702	5	101	9	10
1998	501	\$592	4	59	7	7
1999	1,001	\$1,230	3	68	5	6
2000	1,842	\$2,100	4	104	9	9
2001	874	\$1,009	3	48	6	6
2002	173	\$208	4	23	5	5
2003	68	\$83	4	6	5	5
2004	3,676	\$4,852	5	119	8	9
2005	2,152	\$4,035	6	103	9	11
2006	1,057	\$2,468	4	50	5	7
2007	1,000 to 5,000	\$1,000 to \$5,000	2	105	6	6
2008	940	\$1,911	4	61	7	7
2009	0	\$0	0	0	0	0

Table 3.37. Annual landings, ex-vessel value, trips, participants, vessels, and dealers for Striped Bass in the Wilmington Area, 1994 to 2018.

Year	Pounds	Ex-Vessel Value	Dealers	Trips	Participants	Vessels
2010	0	\$0	0	0	0	0
2011	0	\$0	0	0	0	0
2012	0	\$0	0	0	0	0
2013	0	\$0	0	0	0	0
2014	0	\$0	0	0	0	0
2015	0	\$0	0	0	0	0
2016	0	\$0	0	0	0	0
2017	0	\$0	0	0	0	0
2018	0	\$0	0	0	0	0

Table 3.38. Average landings, ex-vessel value, trips and tags of Striped Bass by gear, 1994 to 2018.

Gear Type	Pounds	Value	Trips	Tags
Gill Net	25,966,453	\$18,593,090	153,238	613,087
Haul Seine	13,485,495	\$5,010,124	3,641	47,603
Other	4,915,393	\$1,015,328	3,286	10,079
Pound Net	7,181,257	\$1,866,395	13,342	60,533
Trawl	4,418,832	\$4,161,115	1,616	76,638

Table 3.39. Annual landings, ex-vessel value, trips, participants, vessels, dealer and tags for Striped Bass from gill nets, 1980 to 2018.

Year	Pounds	Value	Dealers	Trips	Participants	Vessels	Tags
1980	410,921	\$352,399	191				
1981	336,577	\$327,395	202				
1982	269,355	\$428,674	227				
1983	335,428	\$449,583	176				
1984	488,300	\$397,302	161				
1985	259,771	\$206,477	105				
1986	182,853	\$183,571	81				
1987	232,744	\$233,085	86				
1988	108,622	\$109,428	83				
1989	91,420	\$91,492	59				
1990	95,294	\$133,033	64				
1991	114,365	\$164,036	96				
1992	130,433	\$177,127	114				
1993	199,094	\$255,918	114				

Table 3.39. (continued) Annual landings, ex-vessel value, trips, participants, vessels, dealer and tags for Striped Bass from gill nets, 1980 to 2018.

Year	Pounds	Value	Dealers	Trips	Participants	Vessels	Tags
1994	139,800	\$188,730	64	2,836	490	525	
1995	232,768	\$315,741	74	5,648	665	716	
1996	130,086	\$159,323	80	6,030	551	587	
1997	201,330	\$242,605	92	7,295	732	793	
1998	237,427	\$293,087	80	5,783	631	698	
1999	509,465	\$627,337	84	8,275	661	788	
2000	226,187	\$261,699	73	10,572	610	745	
2001	348,079	\$429,796	83	10,959	673	788	
2002	347,046	\$419,145	74	9,785	697	800	
2003	432,621	\$548,004	78	10,425	723	835	
2004	499,451	\$624,690	74	8,381	737	769	
2005	469,658	\$900,976	80	9,462	930	882	
2006	241,525	\$584,390	72	7,093	575	614	
2007	446,515	\$971,482	61	7,377	746	637	
2008	208,938	\$467,214	59	3,624	554	501	
2009	153,736	\$372,235	46	4,038	428	436	
2010	277,762	\$674,114	48	6,463	442	445	
2011	288,848	\$818,249	43	4,872	444	437	
2012	119,411	\$303,716	31	3,520	317	310	
2013	87,569	\$273,418	42	3,213	334	333	
2014	85,913	\$253,647	41	3,221	317	311	
2015	119,612	\$378,176	37	4,035	311	312	
2016	124,035	\$363,923	37	4,143	253	242	
2017	82,189	\$238,254	38	2,838	252	259	
2018	101,172	\$326,944	39	3,350	249	242	

Table 3.40. Pounds per trip, pounds per day, average crew size, trip duration (days), and average trip duration (days) for Striped Bass using gill-nets, 1994 to 2018.

Year	Pounds/Trip	Pounds/Day	Crew Size	Trip Duration	Average Trip Duration
1994	49.3	49.3	1	2,836	1.00
1995	41.2	41.2	1	5,648	1.00
1996	21.6	21.6	1	6,030	1.00
1997	27.6	27.6	1	7,295	1.00
1998	41.1	41.1	1	5,783	1.00
1999	61.6	61.6	1	8,275	1.00
2000	21.4	21.4	1	10,579	1.00
2001	31.8	31.7	1	10,968	1.00
2002	35.5	35.4	1	9,792	1.00

Table 3.40. (continued) Pounds per trip, pounds per day, average crew size, trip duration (days), and average trip duration (days) for Striped Bass using gill-nets, 1994 to 2018.

Year	Pounds/Trip	Pounds/Day	Crew Size	Trip Duration	Average Trip Duration
2003	41.5	41.5	1	10,426	1.00
2004	59.6	59.5	1	8,394	1.00
2005	49.6	49.6	1	9,466	1.00
2006	34.1	34.0	1	7,094	1.00
2007	60.5	60.3	1	7,408	1.00
2008	57.7	57.4	1	3,643	1.01
2009	38.1	37.9	1	4,057	1.00
2010	43.0	27.5	1	10,116	1.57
2011	59.3	23.7	1	12,177	2.50
2012	33.9	33.8	1	3,530	1.00
2013	27.3	27.3	1	3,213	1.00
2014	26.7	26.5	1	3,245	1.01
2015	29.6	29.5	1	4,048	1.00
2016	29.9	29.8	1	4,156	1.00
2017	29.0	28.8	2	2,853	1.01
2018	30.2	30.2	2	3,355	1.00

Table 3.41. Annual landings, ex-vessel value, trips, participants, vessels, dealers and tags for Striped Bass from haul seines, 1980 to 2018.

Year	Pounds	Value	Dealers	Trips	Participants	Vessels	Tags
1980	7,276	\$7,963	17				
1981	3,085	\$3,295	14				
1982	9,271	\$14,820	18				
1983	374	\$788	9				
1984	861	\$743	20				
1985	16	\$12	1				
1986	500	\$500	1				
1987	0	\$0	0				
1988	0	\$0	0				
1989	0	\$0	0				
1990	4,254	\$5,587	4				
1991	3,612	\$5,415	2				
1992	21,917	\$16,481	4				
1993	4,600	\$5,912	6				
1994	62,983	\$85,027	12	142	40	45	
1995	172,396	\$234,315	25	396	78	94	
1996	41,427	\$49,328	13	178	42	50	

Table 3.41. (continued) Annual landings, ex-vessel value, trips, participants, vessels, dealers and tags for Striped Bass from haul seines, 1980 to 2018.

Year	Pounds	Value	Dealers	Trips	Participants	Vessels	Tags
1997	186,663	\$225,540	15	395	77	87	
1998	76,894	\$96,289	12	245	61	76	
1999	63,874	\$78,984	13	212	60	66	
2000	58,516	\$67,636	10	123	49	53	
2001	94,118	\$121,078	14	206	69	76	5,090
2002	246,250	\$304,918	23	398	189	192	12,640
2003	1,000 to 5,000	\$1,000 to \$5,000	2	85	10	15	0
2004	181,874	\$235,729	23	266	160	142	9,129
2005	334,272	\$656,363	30	567	269	236	16,130
2006	1,000 to 5,000	\$1,000 to \$5,000	2	74	16	17	0
2007	11,804	\$24,263	11	83	35	32	420
2008	75,993	\$172,213	20	195	104	112	669
2009	5,293	\$13,545	4	25	8	8	162
2010	4,530	\$11,165	4	20	10	11	169
2011	5,000 to 10,000	\$20,000 to \$50,000	2	29	11	12	4,942
2013	<75	<\$250	1	2	2	2	0
2014	0	\$0	0	0	0	0	0
2015	0	\$0	0	0	0	0	0
2016	0	\$0	0	0	0	0	0
2017	0	\$0	0	0	0	0	0
2018	0	\$0	0	0	0	0	0

Table 3.42. Pounds per trip, pounds per day, average crew size, trip duration (days), and average trip duration (days) for Striped Bass using haul seines, 1994 to 2018 (**confidential data).

Year	Pounds/Trip	Pounds/Day	Crew Size	Trip Duration	Average Trip Duration
1995	435.3	435.3	1	396	1.00
1996	232.7	232.7	1	178	1.00
1997	472.6	472.6	1	395	1.00
1998	313.9	313.9	1	245	1.00
1999	301.3	301.3	2	212	1.00
2000	475.7	475.7	2	123	1.00
2001	456.9	456.9	2	206	1.00
2002	618.7	618.7	1	398	1.00
2003	***	***	1	85	1.00
2004	683.7	683.7	2	266	1.00
2005	589.5	589.5	1	567	1.00
2006	***	***	1	74	1.00

Table 3.42. (continued) Pounds per trip, pounds per day, average crew size, trip duration (days), and average trip duration (days) for Striped Bass using heal seines, 1994 to 2018 (**confidential data).

Year	Pounds/Trip	Pounds/Day	Crew Size	Trip Duration	Average Trip Duration
2007	142.2	142.2	1	83	1.00
2008	389.7	381.9	1	199	1.02
2009	211.7	211.7	1	25	1.00
2010	226.5	226.5	1	20	1.00
2011	***	***	1	29	1.00
2013	***	***	1	2	1.00
2014	0.0	0.0	0	0	0.0
2015	0.0	0.0	0	0	0.0
2016	0.0	0.0	0	0	0.0
2017	0.0	0.0	0	0	0.0
2018	0.0	0.0	0	0	0.0

Table 3.43. Annual landings, ex-vessel value, trips, participants, vessels, dealers and tags for Striped Bass from other gears, 1994 to 2018.

Year	Pounds	Value	Dealers	Trips	Participants	Vessels	Tags
1980	19,121	\$21,639	31				
1981	9,669	\$9,537	24				
1982	9,641	\$11,675	19				
1983	9,898	\$17,777	21				
1984	2,329	\$4,973	11				
1985	197	\$345	1				
1986	32	\$54	2				
1987	0	\$0	0				
1988	0	\$0	0				
1989	57	\$57	1				
1990	0	\$0	0				
1991	0	\$0	0				
1992	0	\$0	0				
1993	0	\$0	0				
1994	1,746	\$2,357	16	56	30	29	
1995	1,613	\$2,166	18	83	43	42	
1996	701	\$849	12	76	24	28	
1997	1,626	\$1,914	20	159	58	58	
1998	1,378	\$1,675	18	139	42	44	
1999	2,153	\$2,657	20	148	40	43	
2000	2,971	\$3,447	15	206	51	55	
2001	4,103	\$5,127	18	254	50	54	998

Table 3.43. (continued) Annual landings, ex-vessel value, trips, participants, vessels, dealers and tags for Striped Bass from other gears, 1994 to 2018.

Year	Pounds	Value	Dealers	Trips	Participants	Vessels	Tags
2002	3,574	\$4,307	22	179	44	48	844
2003	4,532	\$5,580	18	272	51	52	1,103
2004	5,224	\$6,551	15	284	41	42	718
2005	6,615	\$13,816	12	154	26	26	1,022
2006	2,860	\$7,310	12	142	20	22	907
2007	2,274	\$4,681	10	113	20	22	724
2008	1,956	\$4,175	10	92	22	20	389
2009	1,481	\$3,323	9	111	22	23	357
2010	1,417	\$3,434	13	97	19	19	397
2011	928	\$2,627	9	73	18	20	341
2012	1,110	\$3,137	9	89	15	15	261
2013	924	\$3,298	7	70	11	11	220
2014	615	\$1,857	7	58	8	10	130
2015	2,367	\$7,626	15	158	26	28	633
2016	1,979	\$6,411	13	125	21	23	485
2017	1,592	\$4,543	12	73	16	15	369
2018	1,015	\$3,320	12	75	14	14	246

Table 3.44. Pounds per trip, pounds per day, average crew size, trip duration (days), and average trip duration (days) for Striped Bass using other gears, 1994 to 2018.

Year	Pounds/Trip	Pounds/Day	Crew Size	Trip Duration	Average Trip Duration
1994	31.2	31.2	1	56	1.00
1995	19.4	19.4	1	83	1.00
1996	9.2	9.2	1	76	1.00
1997	10.2	10.2	1	159	1.00
1998	9.9	9.9	1	139	1.00
1999	14.5	14.5	1	148	1.00
2000	14.4	11.3	1	264	1.28
2001	16.2	16.2	1	254	1.00
2002	20.0	19.9	1	180	1.01
2003	16.7	16.7	1	272	1.00
2004	18.4	18.4	1	284	1.00
2005	43.0	43.0	1	154	1.00
2006	20.1	20.1	2	142	1.00
2007	20.1	20.1	1	113	1.00
2008	21.3	21.3	2	92	1.00
2009	13.3	13.3	2	111	1.00
2010	14.6	14.6	2	97	1.00

Table 3.44. (continued) Pounds per trip, pounds per day, average crew size, trip duration (days), and average trip duration (days) for Striped Bass using other gears, 1994 to 2018.

Year	Pounds/Trip	Pounds/Day	Crew Size	Trip Duration	Average Trip Duration
2011	12.7	12.7	1	73	1.00
2012	12.5	12.5	2	89	1.00
2013	13.2	13.2	2	70	1.00
2014	10.6	10.6	2	58	1.00
2015	15.0	15.0	1	158	1.00
2016	15.8	15.8	1	125	1.00
2017	21.8	21.8	1	73	1.00
2018	13.5	13.5	1	75	1.00

Table 3.45. Annual landings, ex-vessel value, trips, participants, vessels, dealers and tags for Striped Bass from pound nets, 1994 to 2018.

Year	Pounds	Value	Dealers	Trips	Participants	Vessels	Tags
1981	17,645	\$17,375	40				
1982	32,048	\$40,871	48				
1983	11,793	\$16,282	43				
1984	7,618	\$7,753	40				
1985	19,782	\$22,606	34				
1986	5,596	\$5,724	9				
1987	29,477	\$29,457	16				
1988	7,254	\$7,309	18				
1989	9,253	\$9,253	16				
1990	10,055	\$15,088	15				
1991	3,341	\$4,873	14				
1992	4,626	\$5,785	15				
1993	1,919	\$1,976	9				
1994	12,800	\$17,279	19	297	61	63	
1995	4,277	\$5,706	14	321	38	45	
1996	4,990	\$6,097	20	344	44	48	
1997	14,007	\$15,654	24	671	55	63	
1998	14,735	\$18,829	14	421	40	52	
1999	12,820	\$15,866	11	462	33	41	
2000	17,590	\$20,667	15	677	42	51	
2001	12,549	\$15,505	16	501	44	56	2,757
2002	19,790	\$23,781	18	844	52	61	3,499
2003	17,586	\$22,362	14	582	37	48	2,547
2004	4,618	\$5,907	10	255	20	20	544
2005	16,146	\$31,255	12	633	32	33	2,969

Table 3.45. (continued) Annual landings, ex-vessel value, trips, participants, vessels, dealers and tags for Striped Bass from pound nets, 1994 to 2018.

Year	Pounds	Value	Dealers	Trips	Participants	Vessels	Tags
2006	17,652	\$41,365	13	621	28	28	3,386
2007	17,189	\$34,480	12	571	32	33	2,981
2008	12,440	\$25,678	12	422	28	29	2,154
2009	16,664	\$37,385	10	513	29	27	3,105
2010	15,757	\$36,691	11	497	34	29	3,357
2011	13,475	\$35,225	8	484	25	20	3,521
2012	21,853	\$55,552	10	596	34	28	5,196
2013	8,382	\$26,596	13	363	29	28	1,838
2014	9,705	\$27,737	11	381	25	22	2,015
2015	19,629	\$61,399	12	652	33	31	4,904
2016	20,139	\$61,696	12	662	27	27	5,089
2017	15,228	\$46,091	16	614	32	34	3,541
2018	32,277	\$104,179	17	958	33	36	7,788

Table 3.46. Pounds per trip, pounds per day, average crew size, trip duration (days), and average trip duration (days) for Striped Bass using pound nets, 1994 to 2018.

Year	Pounds/Trip	Pounds/Day	Crew Size	Trip Duration	Average Trip Duration
1995	13.3	13.3	1	321	1.00
1996	14.5	14.5	1	344	1.00
1997	20.9	20.9	1	671	1.00
1998	35.0	35.0	1	421	1.00
1999	27.7	27.7	1	462	1.00
2000	26.0	26.0	2	677	1.00
2001	25.0	25.0	2	501	1.00
2002	23.4	23.4	2	844	1.00
2003	30.2	30.2	2	582	1.00
2004	18.1	18.1	2	255	1.00
2005	25.5	25.5	2	634	1.00
2006	28.4	28.4	2	622	1.00
2007	30.1	30.0	2	572	1.00
2008	29.5	29.5	2	422	1.00
2009	32.5	32.5	2	513	1.00
2010	31.7	31.7	2	497	1.00
2011	27.8	27.8	1	484	1.00
2012	36.7	36.7	2	596	1.00

Table 3.46. (continued) Pounds per trip, pounds per day, average crew size, trip duration (days), and average trip duration (days) for Striped Bass using pound nets, 1994 to 2018.

Year	Pounds/Trip	Pounds/Day	Crew Size	Trip Duration	Average Trip Duration
2013	23.1	23.1	2	363	1.00
2014	25.5	25.1	2	387	1.02
2015	30.1	30.1	2	652	1.00
2016	30.4	30.1	2	668	1.01
2017	24.8	24.8	2	614	1.00
2018	33.7	33.7	2	959	1.00

Table 3.47. Annual landings, ex-vessel value, trips, participants, vessels, dealers and tags for Striped Bass from trawls, 1994 to 2018.

Year	Pounds	Value	Dealers	Trips	Participants	Vessels	Tags
1980	21,359	\$40,601	50				
1981	50,348	\$94,222	80				
1982	17,995	\$35,430	54				
1983	3,782	\$7,061	31				
1984	13,788	\$41,231	17				
1985	174	\$146	3				
1986	<75	<\$75	1				
1987	0	\$0	0				
1988	<75	<\$75	1				
1989	<250	<\$250	2				
1990	4,336	\$5,922	6				
1991	1,498	\$1,498	3				
1992	1,000 to 5,0000	\$5,000 to \$10,000	1				
1993	56,834	\$66,545	11				
1994	44,571	\$60,171	7	15	9	10	
1995	35,736	\$48,600	13	92	37	38	
1996	4,396	\$5,348	7	11	9	9	
1997	184,159	\$225,378	16	195	40	46	
1998	92,434	\$110,159	21	114	49	53	
2000	102,175	\$118,388	14	128	40	43	
2001	167,204	\$201,597	15	146	47	50	
2002	84,800	\$103,306	15	73	48	50	
2003	108,141	\$138,148	11	91	40	41	
2004	220,232	\$287,664	18	161	77	83	
2005	37,598	\$70,658	9	61	55	26	

Table 3.47. (continued) Annual landings, ex-vessel value, trips, participants, vessels, dealers and tags for Striped Bass from trawls, 1994 to 2018.

Year	Pounds	Value	Dealers	Trips	Participants	Vessels	Tags
2006	17,797	\$43,384	9	32	20	21	
2007	98,376	\$203,617	16	96	55	60	
2008	74,118	\$153,276	11	61	33	33	
2009	133,430	\$320,820	10	97	41	44	
2010	200,686	\$496,120	11	122	33	37	
2011	100,343	\$287,977	8	111	38	40	
2012	1,000 to 5,000	\$5,000 to \$10,000	1	2	1	1	
2013	0	\$0	0	0	0	0	
2014	0	\$0	0	0	0	0	
2015	<250	\$500 to \$1,000	2	8	3	3	
2016	0	\$0	0	0	0	0	
2017	0	\$0	0	0	0	0	
2018	0	\$0	0	0	0	0	

Table 3.48. Pounds per trip, pounds per day, average crew size, trip duration (days), and average trip duration (days) for Striped Bass using trawls, 1994 to 2018 (**confidential data).

Year	Pounds/Trip	Pounds/Day	Crew Size	Trip Duration	Average Trip Duration
1995	388.4	388.4	1	92	1.00
1996	399.6	399.6	1	11	1.00
1997	944.4	944.4	1	195	1.00
1998	810.8	810.8	1	114	1.00
2000	798.2	273.9	4	373	2.91
2001	1145.2	753.2	3	222	1.52
2002	1161.6	610.1	3	139	1.90
2003	1188.4	590.9	3	183	2.01
2004	1367.9	601.7	3	366	2.27
2005	616.4	422.4	2	89	1.46
2006	556.2	129.0	3	138	4.31
2007	1024.7	200.4	3	491	5.11
2008	1215.0	329.4	2	225	3.69
2009	1375.6	447.8	3	298	3.07
2010	1645.0	880.2	3	228	1.87
2011	904.0	615.6	3	163	1.47
2012	***	***	2	2	1.00
2013	0.0	0.0	0	0	0.00
2014	0.0	0.0	0	0	0.00
2015	***	***	1	8	1.00

Table 3.48. (continued) Pounds per trip, pounds per day, average crew size, trip duration (days), and average trip duration (days) for Striped Bass using trawls, 1994 to 2018 (**confidential data).

Year	Pounds/Trip	Pounds/Day	Crew Size	Trip Duration	Average Trip Duration
2016	0.0	0.0	0	0	0.00
2017	0.0	0.0	0	0	0.00
2018	0.0	0.0	0	0	0.00

Table 3.49. Average landings, ex-vessel value, trips and trip duration (days at sea) by vessel length range for Striped Bass, 1994 to 2018.

Length	Pounds	Ex-Vessel Value	Trips	Trip Duration
0 to 10 Feet	5,065	\$10,105	103	103
11 to 20 Feet	4,180,629	\$7,282,285	99,096	102,842
21 to 30 Feet	2,815,040	\$5,182,201	64,589	72,075
31 to 40 Feet	842,665	\$1,316,437	5,992	5,995
41 to 50 Feet	487,455	\$857,197	2,432	2,471
Greater than 50 Feet	1,439,705	\$2,411,144	1,476	3,164
Unknown	107,204	\$163,326	1,434	1,436

Table 3.50. Landings, ex-vessel value, and trips by market grade for Striped Bass, 1994 to 2018.

Market grade	Pounds	Value	Trips
Jumbo	158,381	\$412,763	932
Large	2,615,771	\$5,107,099	31,289
Medium	1,058,233	\$1,782,821	37,702
Small	498,176	\$728,439	13,339
Unclassified	19,516,094	\$30,416,906	97,311

Table 3.51. Average vessel characteristics for vessels used in the Striped Bass commercial, 1994 to 2018. Note: Average Number of Engines and Average Carrying Capacity were recorded starting in 1999.

Characteristic	Vessels	
Average Age	19	15,230
Average Horsepower Rating	173	12,171
Average Number of Engines	1	9,393
Average Gross Tons	22	7,374
Average Length	23	14,455
Average Carrying Capacity	13,813	1,309

Table 3.52. Number of vessels used in the Striped Bass commercial fishery by hull material, 1994 to 2018.

Hull Material	Vessels
Aluminum	232
Fiberglass	11,609
Steel	308
Unknown	438
Wood	2,935

Table 3.53. Number of vessels used in the Striped Bass commercial fishery by type of propulsion, 1994 to 2018.

Propulsion	Vessels
Inboard	3,273
Inboard/Outboard	514
Other	5
Outboard	11,236
Unknown	494

Table 3.54. Demographic characteristics for commercial fishermen in the Striped Bass commercial fishery, 1994 to 2018.

Demographic Characteristic	Result	Number of Fishermen
Average Age	46	3,189
Gender	Female	188
	Male	2,280
	Unknown	35
Race	African American	31
	American Indian	3
	Asian/Pacific Islands	18
	Caucasian	2,410
	Hispanic	2
	Unknown	41

Table 3.55. Results of economic survey from fishermen that participated in the Striped Bass commercial fishery, 2000 to 2018.

Survey Question	Number of Fishermen	% of Total Surveyed
Less than 50%	99	18%
More than 50%	445	81%
Unknown	7	1%

Table 3.56. List of species that were annually in the top 10 species harvested (based on pounds) by Striped Bass fishery participants, 1994 to 2018.

Species	Number of Years in Top 10
Flounders (Paralichthyid)	25
Bluefish	25
Mulletts, Jumping	24
Crab, Hard	25
Croaker	25
Shrimp, Brown (summer)	18
Menhaden Bait (pounds)	15
Dogfish, Spiny	15
Spot	11
Shrimp, White (greentails)	11
Trout (Gray Trout)	10
Dogfish, Smooth	7
Squid	6
Crabs, Peeler	5
Tuna, Yellowfin	4
Shrimp, Unclassified	5
Mackerel, King	0
Catfish, (White & Channel)	2
Shark, Sandbar	1
Striped Bass	1
Catfish	1
Sharks	1

Table 3.57. Top 10 species landed (based on pounds) by 1994 Striped Bass fishery participants, 1994 to 2018.

Year	Species	Rank	Year	Species	Rank
1994	Crabs, Hard	1	1995	Crabs, Hard	1
1994	Dogfish, Unclassified	2	1995	Croaker	2
1994	Flounders (Paralichthyid)	3	1995	Dogfish, Spiny	3
1994	Croaker	4	1995	Flounders (Paralichthyid)	4
1994	Trout (Gray Trout)	5	1995	Bluefish	5
1994	Bluefish	6	1995	Trout (Gray Trout)	6
1994	Menhaden Bait	7	1995	Dogfish, Smooth	7
1994	Catfish, (White & Channel)	8	1995	Shrimp, Unclassified	8
1994	Sharks	9	1995	Crabs, Soft Shell	9
1994	Shrimp, Unclassified	10	1995	Herring, Sea	10
1996	Crabs, Hard	1	1997	Crabs, Hard	1
1996	Dogfish, Spiny	2	1997	Croaker	2
1996	Croaker	3	1997	Dogfish, Spiny	3
1996	Bluefish	4	1997	Bluefish	4
1996	Trout (Gray Trout)	5	1997	Flounders (Paralichthyid)	5
1996	Flounders (Paralichthyid)	6	1997	Trout (Gray Trout)	6
1996	Menhaden Bait	7	1997	Menhaden Bait	7
1996	Herring, Sea	8	1997	Crabs, Soft Shell	8
1996	Mulletts, Jumping	9	1997	Mulletts, Jumping	9
1996	Catfish, (White & Channel)	10	1997	Shrimp, Unclassified	10
1998	Crabs, Hard	1	1999	Crabs, Hard	1
1998	Croaker	2	1999	Croaker	2
1998	Dogfish, Spiny	3	1999	Dogfish, Spiny	3
1998	Flounders (Paralichthyid)	4	1999	Flounders (Paralichthyid)	4
1998	Bluefish	5	1999	Bluefish	5
1998	Trout (Gray Trout)	6	1999	Trout (Gray Trout)	6
1998	Crabs, Soft Shell	7	1999	Menhaden Bait	7
1998	Mulletts, Jumping	8	1999	Mulletts, Jumping	8
1998	Dogfish, Smooth	9	1999	Bait	9
1998	Herring	10	1999	Crabs, Soft Shell	10

Table 3.57. (continued) Top 10 species landed (based on pounds) by 1994 Striped Bass fishery participants, 1994 to 2018.

Year	Species	Rank	Year	Species	Rank
2000	Crabs, Hard	1	2001	Crabs, Hard	1
2000	Croaker	2	2001	Croaker	2
2000	Flounders (Paralichthyid)	3	2001	Bluefish	3
2000	Bluefish	4	2001	Flounders (Paralichthyid)	4
2000	Dogfish, Spiny	5	2001	Trout (Gray Trout)	5
2000	Trout (Gray Trout)	6	2001	Crabs, Soft Shell	6
2000	Shrimp, Brown (summer)	7	2001	Crabs, Peeler	7
2000	Mulletts, Jumping	8	2001	Menhaden Bait	8
2000	Crabs, Soft Shell	9	2001	Mulletts, Jumping	9
2000	Crabs, Peeler	10	2001	Spot	10
2002	Crabs, Hard	1	2003	Crabs, Hard	1
2002	Croaker	2	2003	Croaker	2
2002	Flounders (Paralichthyid)	3	2003	Bluefish	3
2002	Bluefish	4	2003	Flounders (Paralichthyid)	4
2002	Trout (Gray Trout)	5	2003	Spot	5
2002	Mulletts, Jumping	6	2003	Mulletts, Jumping	6
2002	Menhaden Bait	7	2003	Menhaden Bait	7
2002	Shrimp, Brown (summer)	8	2003	White Perch	8
2002	Crabs, Soft Shell	9	2003	Trout (Gray Trout)	9
2002	Striped Bass	10	2003	Striped Bass	10
2004	Crabs, Hard	1	2005	Crabs, Hard	1
2004	Croaker	2	2005	Croaker	2
2004	Bluefish	3	2005	Bluefish	3
2004	Flounders (Paralichthyid)	4	2005	Flounders (Paralichthyid)	4
2004	Spot	5	2005	Crabs, Peeler	5
2004	Crabs, Peeler	6	2005	Crabs, Soft Shell	6
2004	Menhaden Bait	7	2005	Menhaden Bait	7
2004	Striped Bass	8	2005	Mulletts, Jumping	8
2004	Crabs, Soft Shell	9	2005	Spot	9
2004	Dogfish, Smooth	10	2005	Mackerel, King	10

Table 3.57. (continued) Top 10 species landed (based on pounds) by 1994 Striped Bass fishery participants, 1994 to 2018.

Year	Species	Rank	Year	Species	Rank
2006	Crabs, Hard	1	2007	Crabs, Hard	1
2006	Croaker	2	2007	Croaker	2
2006	Flounders (Paralichthyid)	3	2007	Flounders (Paralichthyid)	3
2006	Bluefish	4	2007	Menhaden Bait	4
2006	Menhaden Bait	5	2007	Bluefish	5
2006	Spot	6	2007	Shrimp, White (greentails)	6
2006	Mulletts, Jumping	7	2007	Mulletts, Jumping	7
2006	Dogfish, Smooth	8	2007	Shrimp, Brown (summer)	8
2006	Crabs, Soft Shell	9	2007	Crabs, Soft Shell	9
2006	Mackerel, King	10	2007	Crabs, Peeler	10
2008	Crabs, Hard	1	2009	Crabs, Hard	1
2008	Croaker	2	2009	Croaker	2
2008	Flounders (Paralichthyid)	3	2009	Flounders (Paralichthyid)	3
2008	Shrimp, Brown (summer)	4	2009	Bluefish	4
2008	Bluefish	5	2009	Dogfish, Smooth	5
2008	Tilefish, Grey	6	2009	Dogfish, Spiny	6
2008	Dogfish, Smooth	7	2009	Tilefish, Grey	7
2008	Shrimp, White (greentails)	8	2009	Mackerel, Spanish	8
2008	Mulletts, Jumping	9	2009	Shrimp, Brown (summer)	9
2008	Sea Mullet (kingfish)	10	2009	Scups	10
2010	Crabs, Hard	1	2011	Crabs, Hard	1
2010	Croaker	2	2011	Croaker	2
2010	Bluefish	3	2011	Menhaden Bait	3
2010	Flounders (Paralichthyid)	4	2011	Dogfish, Spiny	4
2010	Dogfish, Smooth	5	2011	Bluefish	5
2010	Menhaden Bait	6	2011	Dogfish, Smooth	6
2010	Dogfish, Spiny	7	2011	Flounders (Paralichthyid)	7
2010	Mackerel, Spanish	8	2011	Crabs, Soft Shell	8
2010	Crabs, Peeler	9	2011	Mulletts, Jumping	9
2010	Mulletts, Jumping	10	2011	Shrimp, Brown (summer)	10

Table 3.57. (continued) Top 10 species landed (based on pounds) by 1994 Striped Bass fishery participants, 1994 to 2018.

Year	Species	Rank	Year	Species	Rank
2012	Crabs, Hard	1	2013	Crabs, Hard	1
2012	Croaker	2	2013	Dogfish, Spiny	2
2012	Dogfish, Spiny	3	2013	Flounders (Paralichthyid)	3
2012	Flounders (Paralichthyid)	4	2013	Croaker	4
2012	Catfish	5	2013	Bluefish	5
2012	Dogfish, Smooth	6	2013	Catfish	6
2012	Crabs, Soft Shell	7	2013	Dogfish, Smooth	7
2012	Crabs, Peeler	8	2013	Shrimp, White (greentails)	8
2012	Bluefish	9	2013	Crabs, Soft Shell	9
2012	Mulletts, Jumping	10	2013	Shrimp, Brown (summer)	10
2014	Crabs, Hard	1	2015	Crabs, Hard	1
2014	Dogfish, Spiny	2	2015	Dogfish, Spiny	2
2014	Croaker	3	2015	Croaker	3
2014	Flounders (Paralichthyid)	4	2015	Shrimp, Brown (summer)	4
2014	Bluefish	5	2015	Flounders (Paralichthyid)	5
2014	Shrimp, Brown (summer)	6	2015	Catfish, (White & Channel)	6
2014	Catfish, (White & Channel)	7	2015	Crabs, Soft Shell	7
2014	Crabs, Peeler	8	2015	Shrimp, White (greentails)	8
2014	Crabs, Soft Shell	9	2015	Crabs, Peeler	9
2014	Menhaden Bait	10	2015	Menhaden Bait	10
2016	Crabs, Hard	1	2017	Crabs, Hard	1
2016	Dogfish, Spiny	2	2017	Shrimp, White (greentails)	2
2016	Shrimp, White (greentails)	3	2017	Flounders (Paralichthyid)	3
2016	Croaker	4	2017	Croaker	4
2016	Catfish,(White & Channel)	5	2017	Shrimp, Brown (summer)	5
2016	Bluefish	6	2017	Crabs, Soft Shell	6
2016	Flounders (Paralichthyid)	7	2017	Bluefish	7
2016	Crabs, Soft Shell	8	2017	Catfish, (White & Channel)	8
2016	Shrimp, Brown (summer)	9	2017	Crabs, Peeler	9
2016	Sea Mullet (kingfish)	10	2017	Menhaden Bait	10

Table 3.57. (continued) Top 10 species landed (based on pounds) by 1994 Striped Bass fishery participants, 1994 to 2018.

Year	Species	Rank
2018	Crabs, Hard	1
2018	Shrimp, Brown (summer)	2
2018	Croaker	3
2018	Shrimp, White (greentails)	4
2018	Dogfish, Spiny	5
2018	Flounders (Paralichthid)	6
2018	Catfish, (White & Channel)	7
2018	Mullets, Jumping	8
2018	Bluefish	9
2018	Catfish	10

Table 3.58. Top 10 species landed (based on pounds) by 2018 Striped Bass fishery participants, 1994 to 2018.

Year	Species	Rank	Year	Species	Rank
1994	Crabs, Hard	1	1995	Crabs, Hard	1
1994	Flounders (Paralichthid)	2	1995	Flounders (Paralichthid)	2
1994	Mulletts, Jumping	3	1995	Mulletts, Jumping	3
1994	Catfish,(White & Channel)	4	1995	Bluefish	4
1994	Dogfish, Unclassified	5	1995	Dogfish, Spiny	5
1994	Herring	6	1995	Herring	6
1994	Bluefish	7	1995	Catfish,(White & Channel)	7
1994	Crabs, Soft Shell	8	1995	Croaker	8
1994	Croaker	9	1995	Gizzard Shad	9
1994	Crabs, Peeler	10	1995	Trout (Gray Trout)	10
1996	Crabs, Hard	1	1997	Crabs, Hard	1
1996	Flounders (Paralichthid)	2	1997	Flounders (Paralichthid)	2
1996	Dogfish, Spiny	3	1997	Bluefish	3
1996	Bluefish	4	1997	Dogfish, Spiny	4
1996	Mulletts, Jumping	5	1997	Mulletts, Jumping	5
1996	Croaker	6	1997	Croaker	6
1996	Gizzard Shad	7	1997	Crabs, Peeler	7
1996	Catfish,(White & Channel)	8	1997	Trout (Gray Trout)	8
1996	Trout (Gray Trout)	9	1997	Menhaden Bait	9
1996	Herring	10	1997	Catfish	10
1998	Crabs, Hard	1	1999	Crabs, Hard	1
1998	Croaker	2	1999	Croaker	2
1998	Flounders (Paralichthid)	3	1999	Flounders (Paralichthid)	3
1998	Mulletts, Jumping	4	1999	Trout (Gray Trout)	4
1998	Bluefish	5	1999	Bluefish	5
1998	Herring	6	1999	Mulletts, Jumping	6
1998	Dogfish, Spiny	7	1999	Herring	7
1998	Trout (Gray Trout)	8	1999	White Perch	8
1998	Crabs, Peeler	9	1999	Dogfish, Spiny	9
1998	Bait	10	1999	Crabs, Peeler	10

Table 3.58. (continued) Top 10 species landed (based on pounds) by 2018 Striped Bass fishery participants, 1994 to 2018.

Year	Species	Rank	Year	Species	Rank
2000	Crabs, Hard	1	2001	Crabs, Hard	1
2000	Flounders (Paralichthid)	2	2001	Flounders (Paralichthid)	2
2000	Mulletts, Jumping	3	2001	Mulletts, Jumping	3
2000	Croaker	4	2001	Croaker	4
2000	Bluefish	5	2001	Crabs, Peeler	5
2000	Herring	6	2001	Bluefish	6
2000	Crabs, Peeler	7	2001	Gizzard Shad	7
2000	Gizzard Shad	8	2001	Menhaden Bait	8
2000	Catfish	9	2001	Herring	9
2000	White Perch	10	2001	Catfish	10
2002	Crabs, Hard	1	2003	Crabs, Hard	1
2002	Flounders (Paralichthid)	2	2003	Flounders (Paralichthid)	2
2002	Mulletts, Jumping	3	2003	Mulletts, Jumping	3
2002	Croaker	4	2003	White Perch	4
2002	Menhaden Bait	5	2003	Menhaden Bait	5
2002	Gizzard Shad	6	2003	Bluefish	6
2002	White Perch	7	2003	Croaker	7
2002	Crabs, Peeler	8	2003	Shad, American	8
2002	Bluefish	9	2003	Herring	9
2002	Spot	10	2003	Gizzard Shad	10
2004	Crabs, Hard	1	2005	Crabs, Hard	1
2004	Flounders (Paralichthid)	2	2005	Flounders (Paralichthid)	2
2004	Mulletts, Jumping	3	2005	Mulletts, Jumping	3
2004	Croaker	4	2005	Crabs, Peeler	4
2004	Crabs, Peeler	5	2005	Menhaden Bait	5
2004	Bluefish	6	2005	Croaker	6
2004	Menhaden Bait	7	2005	Spot	7
2004	Striped Bass	8	2005	Herring	8
2004	Herring	9	2005	Striped Bass	9
2004	Shad, American	10	2005	Bluefish	10

Table 3.58. (continued) Top 10 species landed (based on pounds) by 2018 Striped Bass fishery participants, 1994 to 2018.

Year	Species	Rank	Year	Species	Rank
2006	Crabs, Hard	1	2007	Crabs, Hard	1
2006	Flounders (Paralichthid)	2	2007	Flounders (Paralichthid)	2
2006	Mulletts, Jumping	3	2007	Mulletts, Jumping	3
2006	Menhaden Bait	4	2007	Menhaden Bait	4
2006	Croaker	5	2007	Shad, American	5
2006	Crabs, Peeler	6	2007	Crabs, Peeler	6
2006	Spot	7	2007	Striped Bass	7
2006	Catfish	8	2007	Catfish	8
2006	Striped Bass	9	2007	White Perch	9
2006	Herring	10	2007	Shrimp, White (greentails)	10
2008	Crabs, Hard	1	2009	Crabs, Hard	1
2008	Flounders (Paralichthid)	2	2009	Flounders (Paralichthid)	2
2008	Mulletts, Jumping	3	2009	Mulletts, Jumping	3
2008	White Perch	4	2009	Croaker	4
2008	Menhaden Bait	5	2009	White Perch	5
2008	Catfish	6	2009	Dogfish, Spiny	6
2008	Croaker	7	2009	Catfish	7
2008	Drum, Black	8	2009	Menhaden Bait	8
2008	Crabs, Peeler	9	2009	Striped Bass	9
2008	Catfish,(White & Channel)	10	2009	Gizzard Shad	10
2010	Crabs, Hard	1	2011	Crabs, Hard	1
2010	Mulletts, Jumping	2	2011	Mulletts, Jumping	2
2010	Flounders (Paralichthid)	3	2011	Catfish	3
2010	Croaker	4	2011	Crabs, Peeler	4
2010	Catfish	5	2011	White Perch	5
2010	Menhaden Bait	6	2011	Flounders (Paralichthid)	6
2010	Striped Bass	7	2011	Striped Bass	7
2010	Shad, American	8	2011	Menhaden Bait	8
2010	White Perch	9	2011	Croaker	9
2010	Crabs, Peeler	10	2011	Shad, American	10

Table 3.58. (continued) Top 10 species landed (based on pounds) by 2018 Striped Bass fishery participants, 1994 to 2018.

Year	Species	Rank	Year	Species	Rank
2012	Crabs, Hard	1	2013	Crabs, Hard	1
2012	Flounders (Paralichthid)	2	2013	Flounders (Paralichthid)	2
2012	Mulletts, Jumping	3	2013	Mulletts, Jumping	3
2012	Catfish	4	2013	Catfish	4
2012	Dogfish, Spiny	5	2013	Dogfish, Spiny	5
2012	Croaker	6	2013	White Perch	6
2012	Shad, American	7	2013	Shad, American	7
2012	White Perch	8	2013	Croaker	8
2012	Crabs, Peeler	9	2013	Bluefish	9
2012	Gizzard Shad	10	2013	Crabs, Peeler	10
2014	Crabs, Hard	1	2015	Crabs, Hard	1
2014	Flounders (Paralichthid)	2	2015	Mulletts, Jumping	2
2014	Mulletts, Jumping	3	2015	Catfish,(White & Channel)	3
2014	Catfish,(White & Channel)	4	2015	Flounders (Paralichthid)	4
2014	Menhaden Bait	5	2015	Catfish	5
2014	Catfish	6	2015	Dogfish, Spiny	6
2014	Dogfish, Spiny	7	2015	Crabs, Peeler	7
2014	Crabs, Peeler	8	2015	Menhaden Bait	8
2014	White Perch	9	2015	White Perch	9
2014	Shad, American	10	2015	Striped Bass	10
2016	Crabs, Hard	1	2017	Crabs, Hard	1
2016	Catfish,(White & Channel)	2	2017	Catfish	2
2016	Catfish	3	2017	Mulletts, Jumping	3
2016	Mulletts, Jumping	4	2017	Flounders (Paralichthid)	4
2016	Flounders (Paralichthid)	5	2017	Catfish,(White & Channel)	5
2016	White Perch	6	2017	Crabs, Peeler	6
2016	Gizzard Shad	7	2017	Menhaden Bait	7
2016	Crabs, Peeler	8	2017	Gizzard Shad	8
2016	Striped Bass	9	2017	White Perch	9
2016	Crabs, Soft Shell	10	2017	Bluefish	10

Table 3.58. (continued) Top 10 species landed (based on pounds) by 2018 Striped Bass fishery participants, 1994 to 2018.

Year	Species	Rank
2018	Crabs, Hard	1
2018	Catfish	2
2018	Mullets, Jumping	3
2018	Catfish,(White & Channel)	4
2018	Menhaden Bait	5
2018	Gizzard Shad	6
2018	Flounders (Paralichthid)	7
2018	Striped Bass	8
2018	Bluefish	9
2018	Crabs, Peeler	10

7 FIGURES

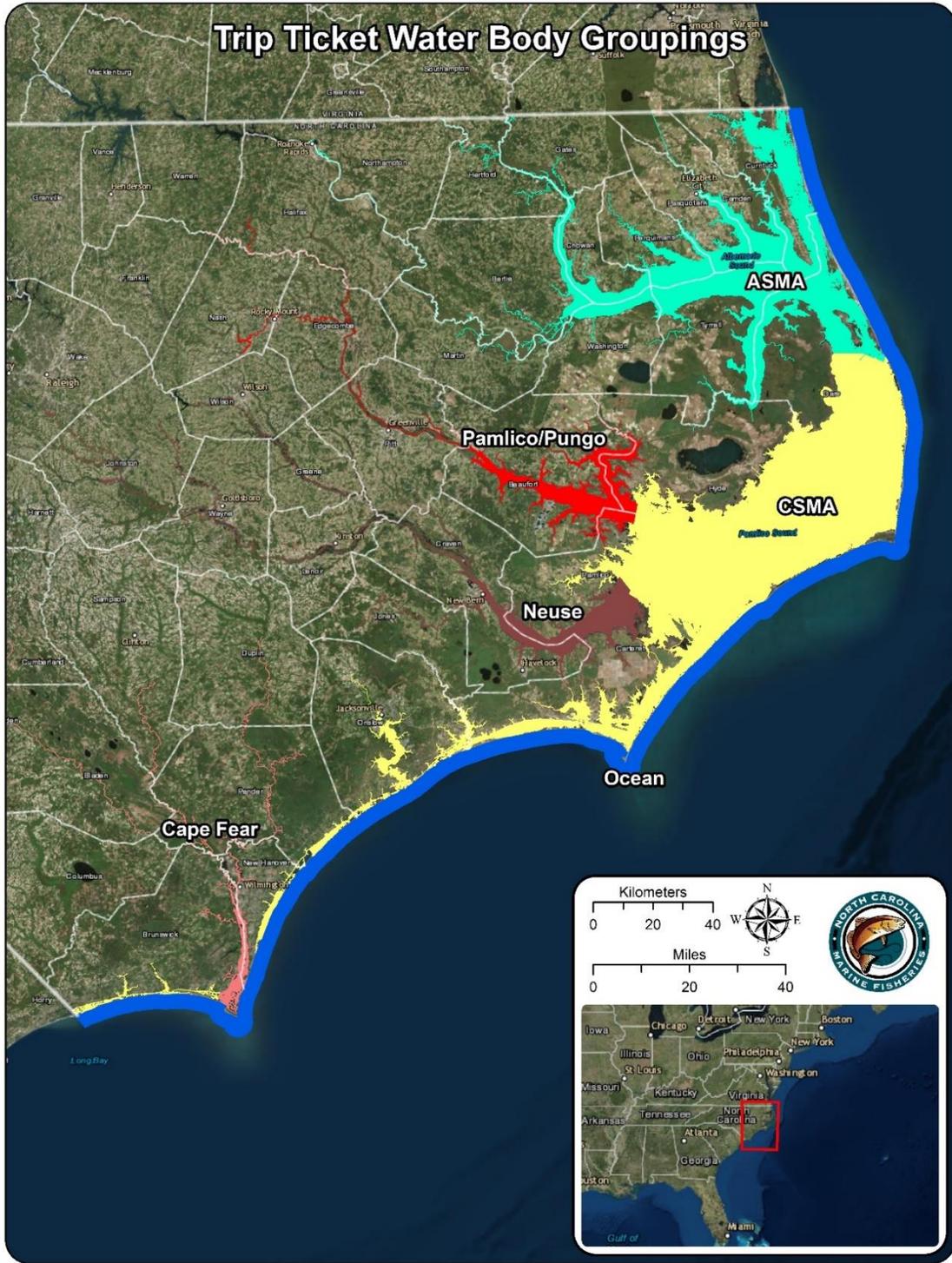


Figure 2.1. Map of the major North Carolina waterbodies.

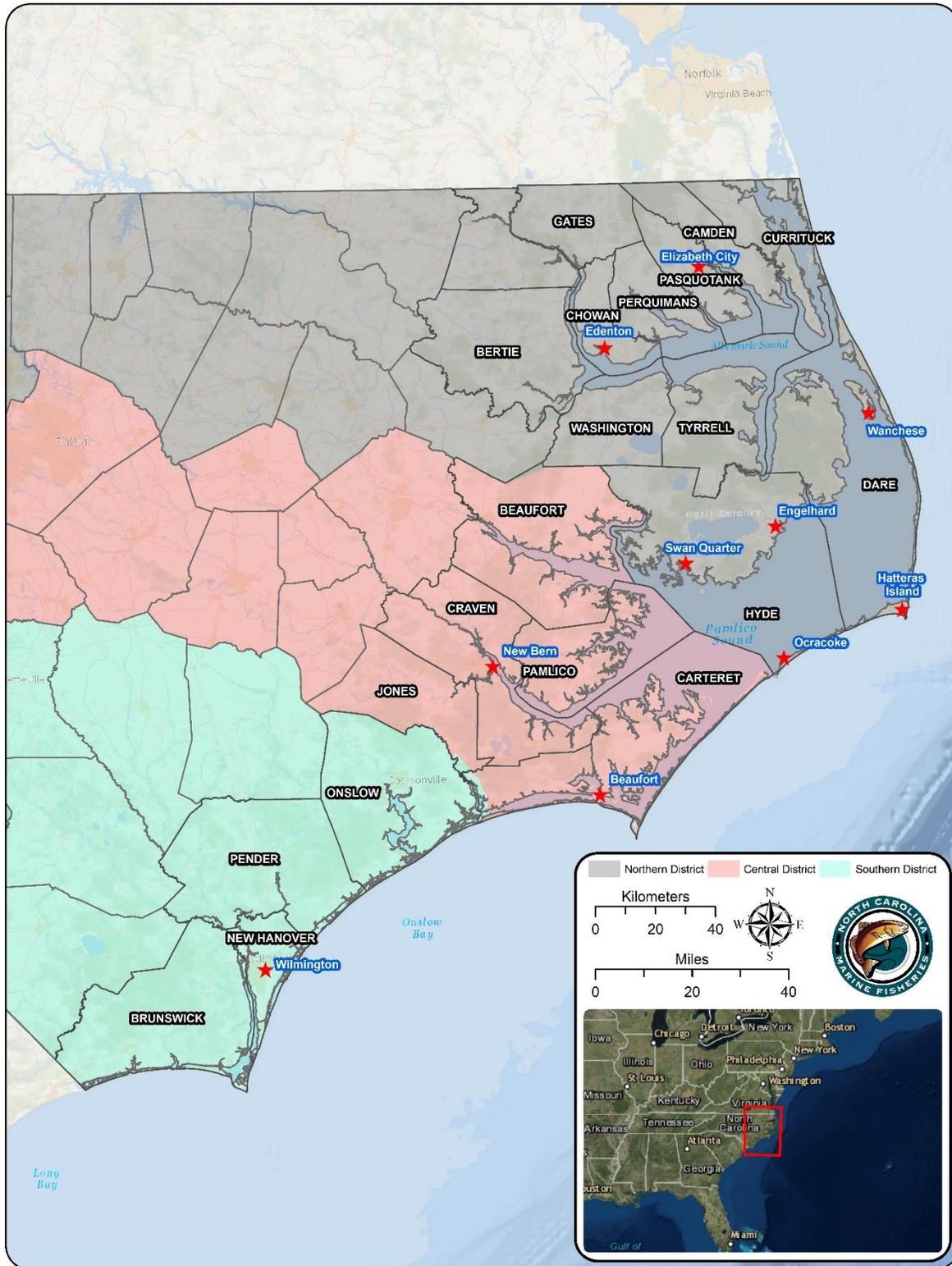


Figure 2.2. Map of the eastern North Carolina counties and ports.

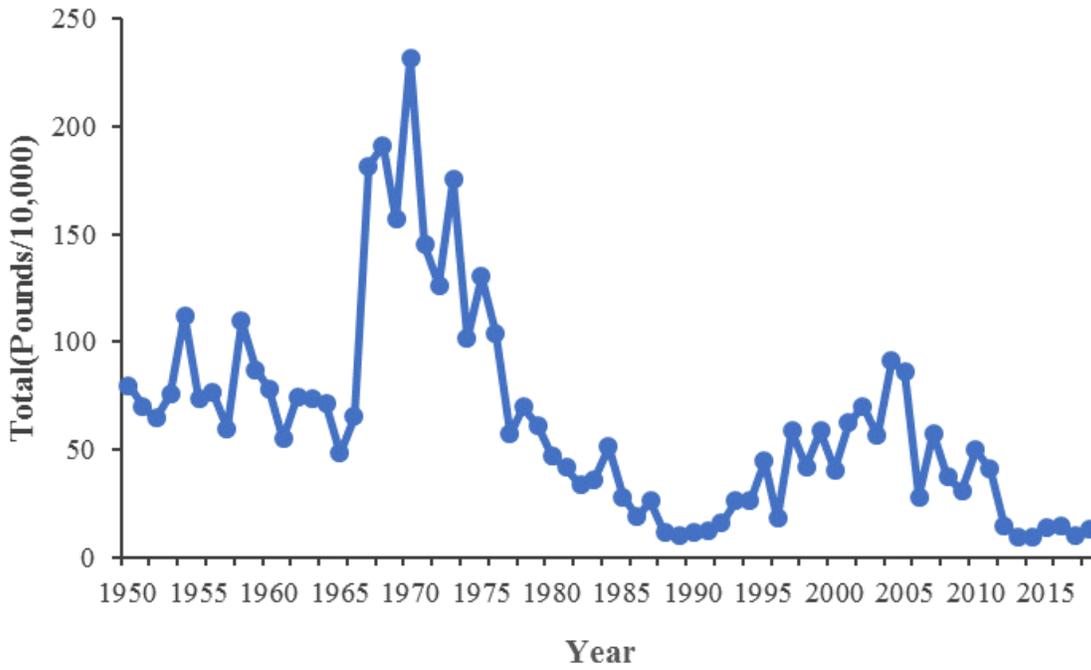


Figure 3.1. Total commercial landings of Striped Bass, 1950 to 2018.

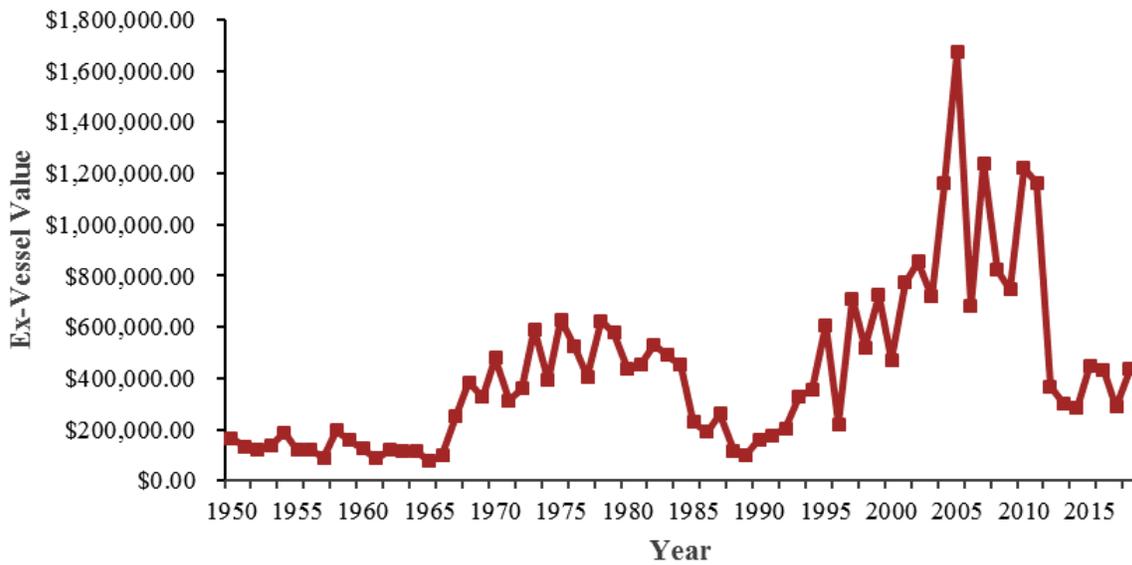


Figure 3.2. Annual ex-vessel value of Striped Bass, 1950 to 2018.

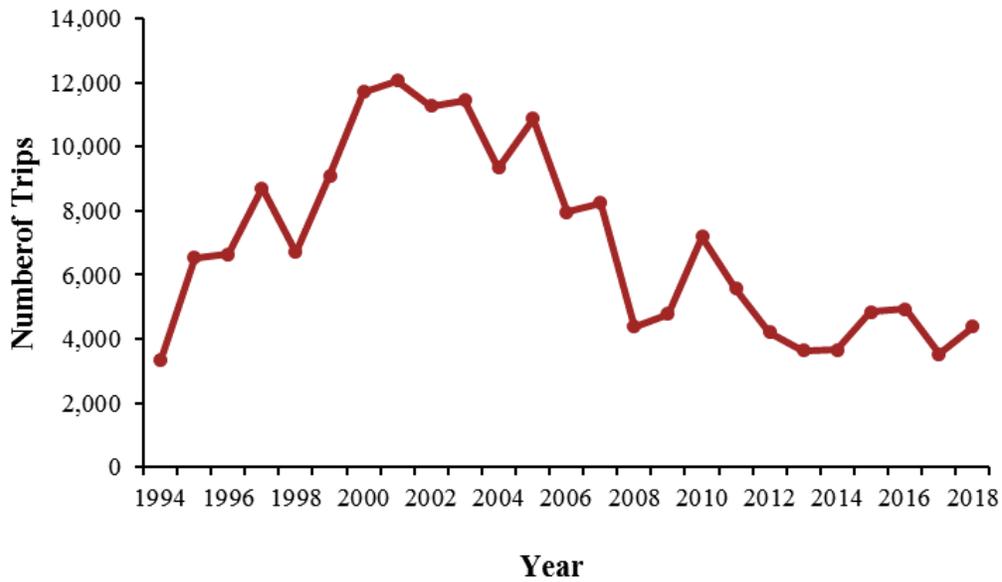


Figure 3.3. Annual number of trips landing Striped Bass, 1994 to 2018.

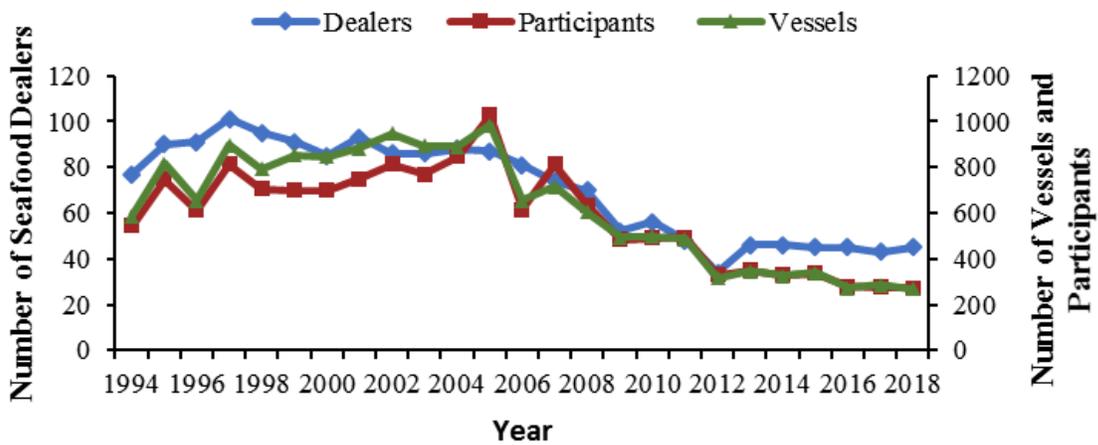


Figure 3.4. Annual number of seafood dealers, participants, and vessels recording landings of Striped Bass, 1994 to 2018.

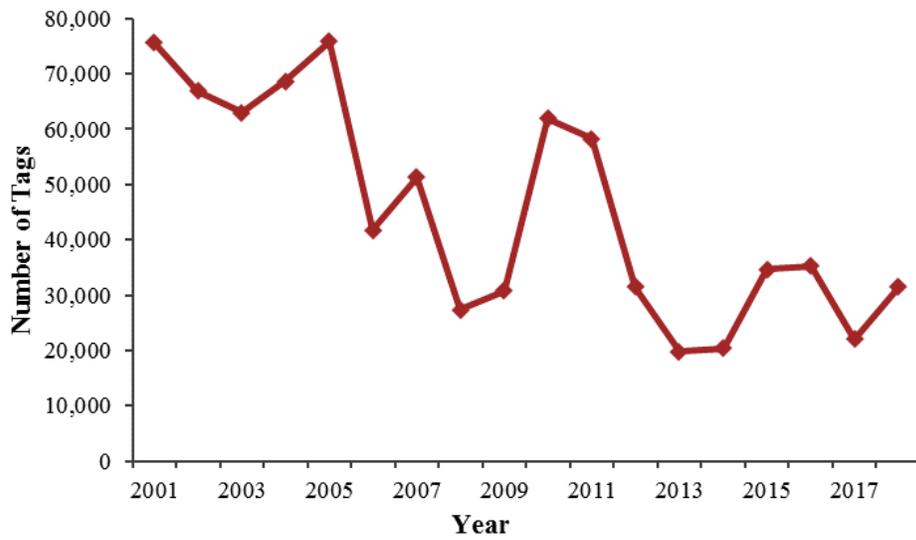


Figure 3.5. Annual number of Striped Bass tags from 2001 to 2018. Note: The Quota Monitoring Program started in the fall of 2001 but does not include annual number of tags. The tags recorded for the fall of 200 was 17,090.

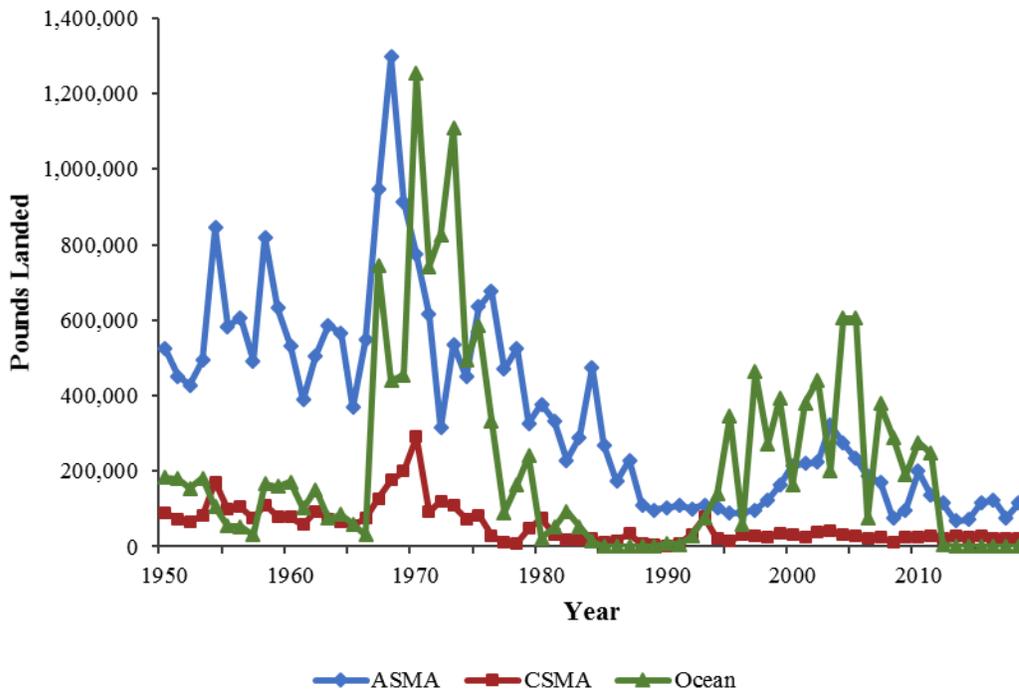


Figure 3.6. Annual landings of Striped Bass by management area from 1950 to 2018.

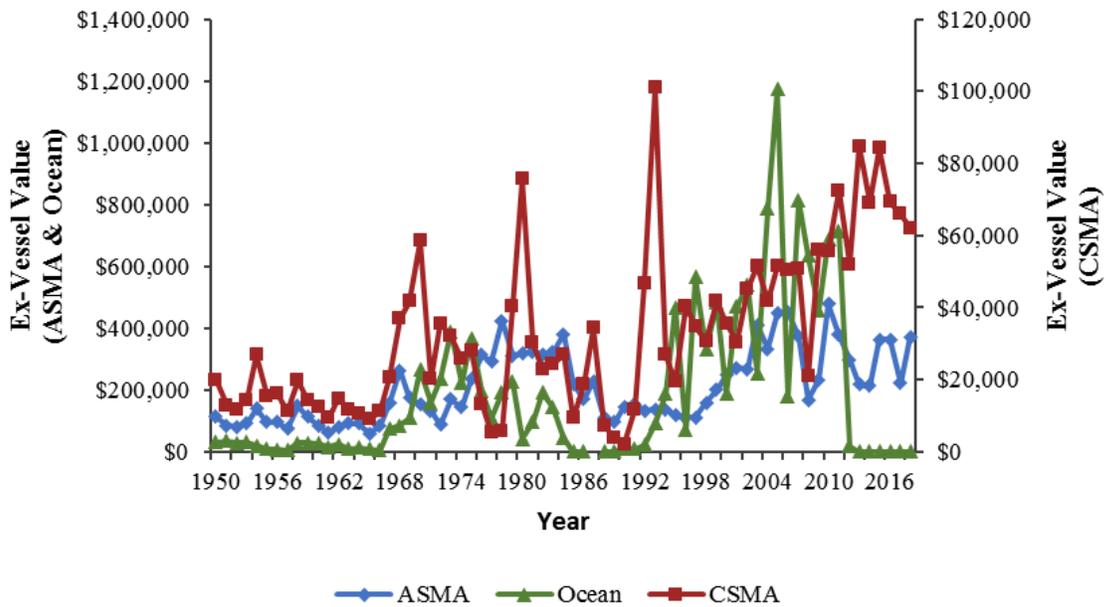


Figure 3.7. Annual ex-vessel value of Striped Bass by management area from 1950 to 2018.

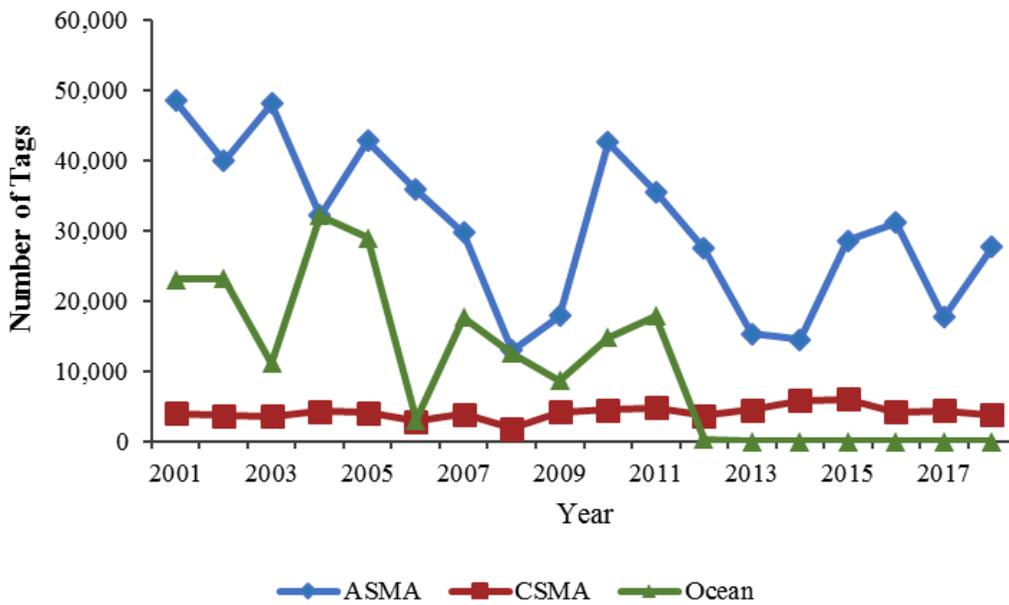


Figure 3.8. Annual number of Striped Bass tags by management area from 2001 to 2018. Note: 2000 does not provide number of tags for the entire year, therefore is not included in this annual figure.

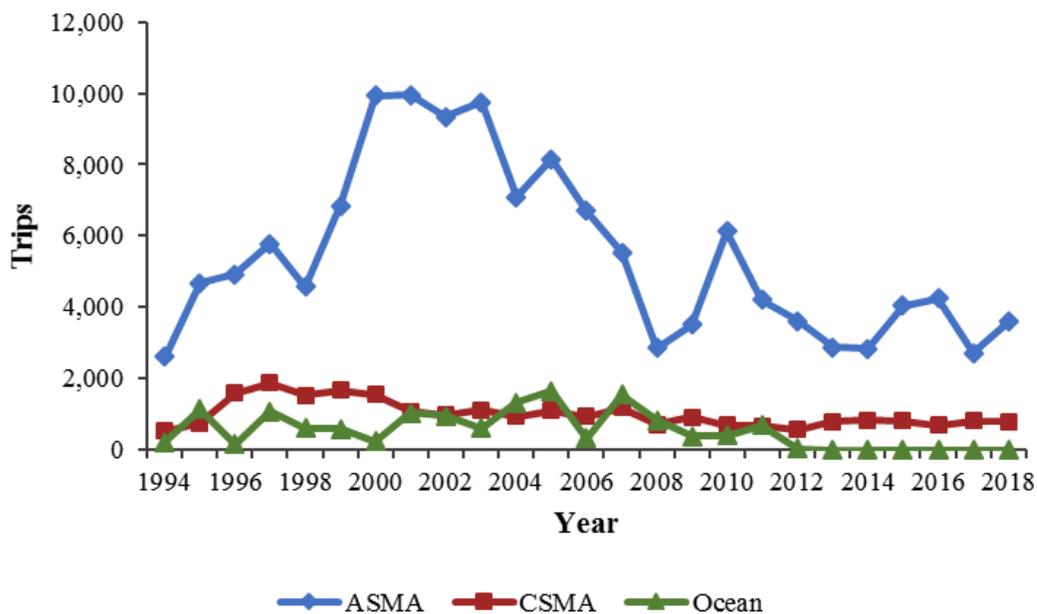


Figure 3.9. Annual number of trips landing Striped Bass in each management area, 1994 to 2018.

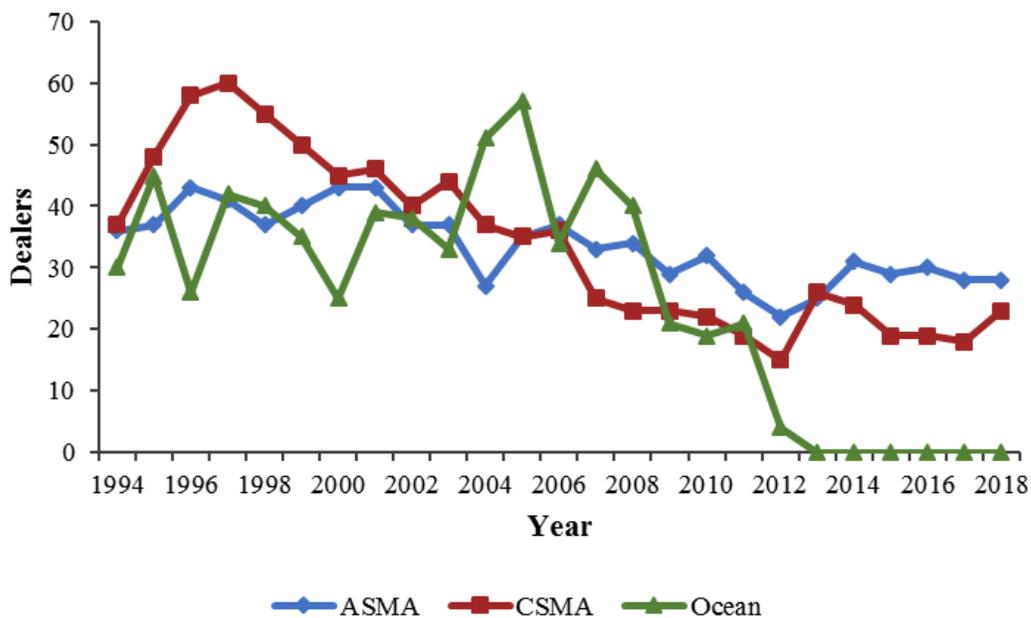


Figure 3.10. Annual number of dealers reporting Striped Bass landings in each management area, 1994 to 2018.

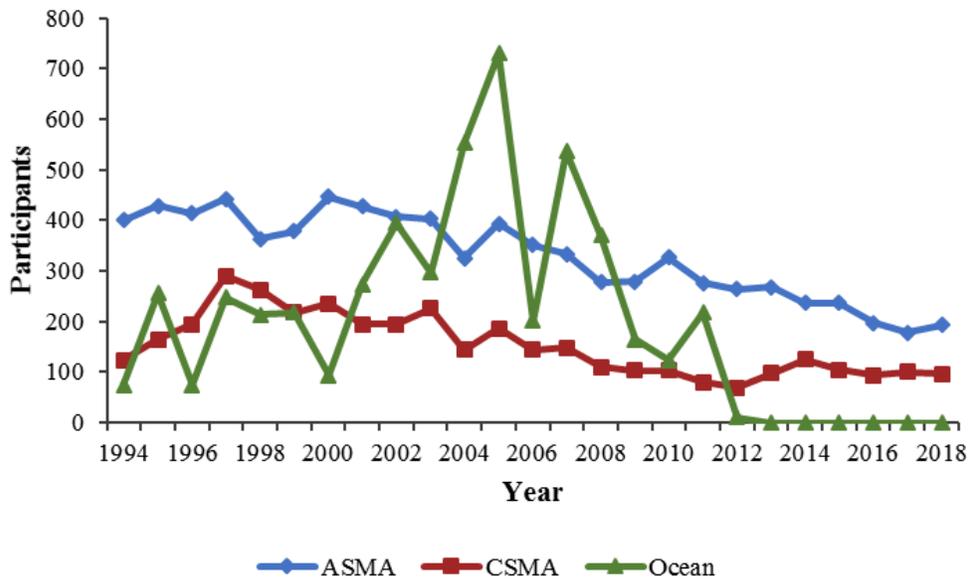


Figure 3.11. Annual number of participants in the Striped Bass fishery by management area from 1994 to 2018.

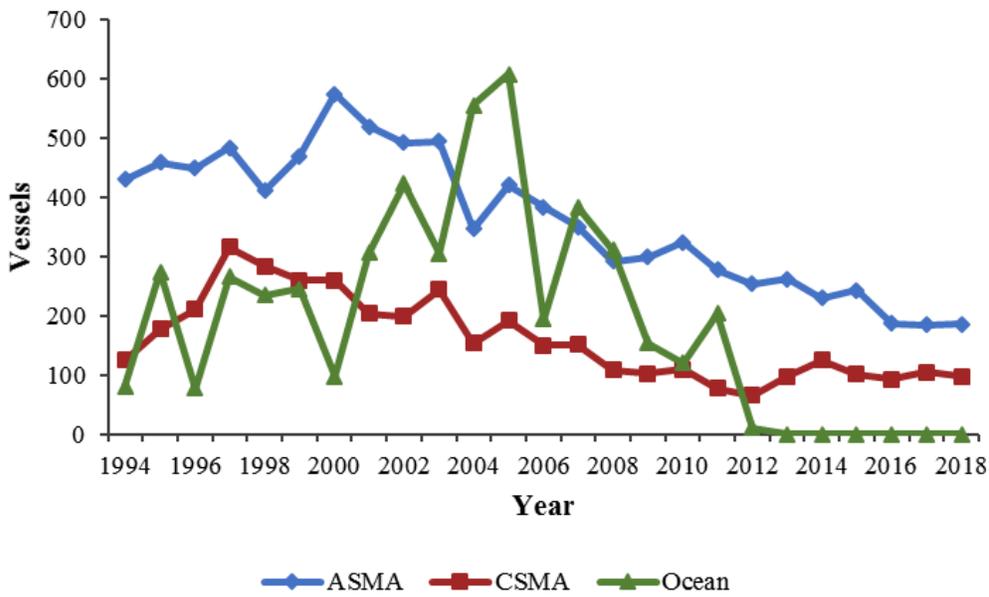


Figure 3.12. Annual vessels participating in the Striped Bass fishery by management area from 1994 to 2018.

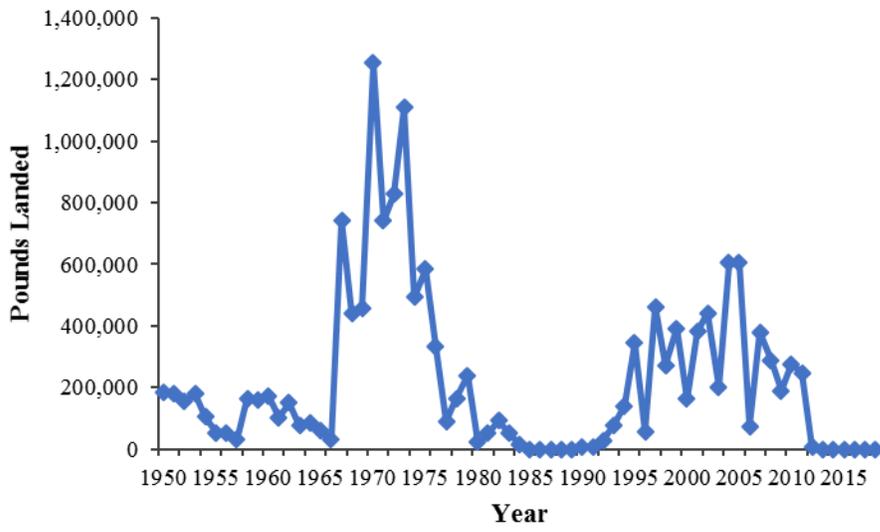


Figure 3.13. Annual landings of Striped Bass from the Ocean, 1950 to 2018.

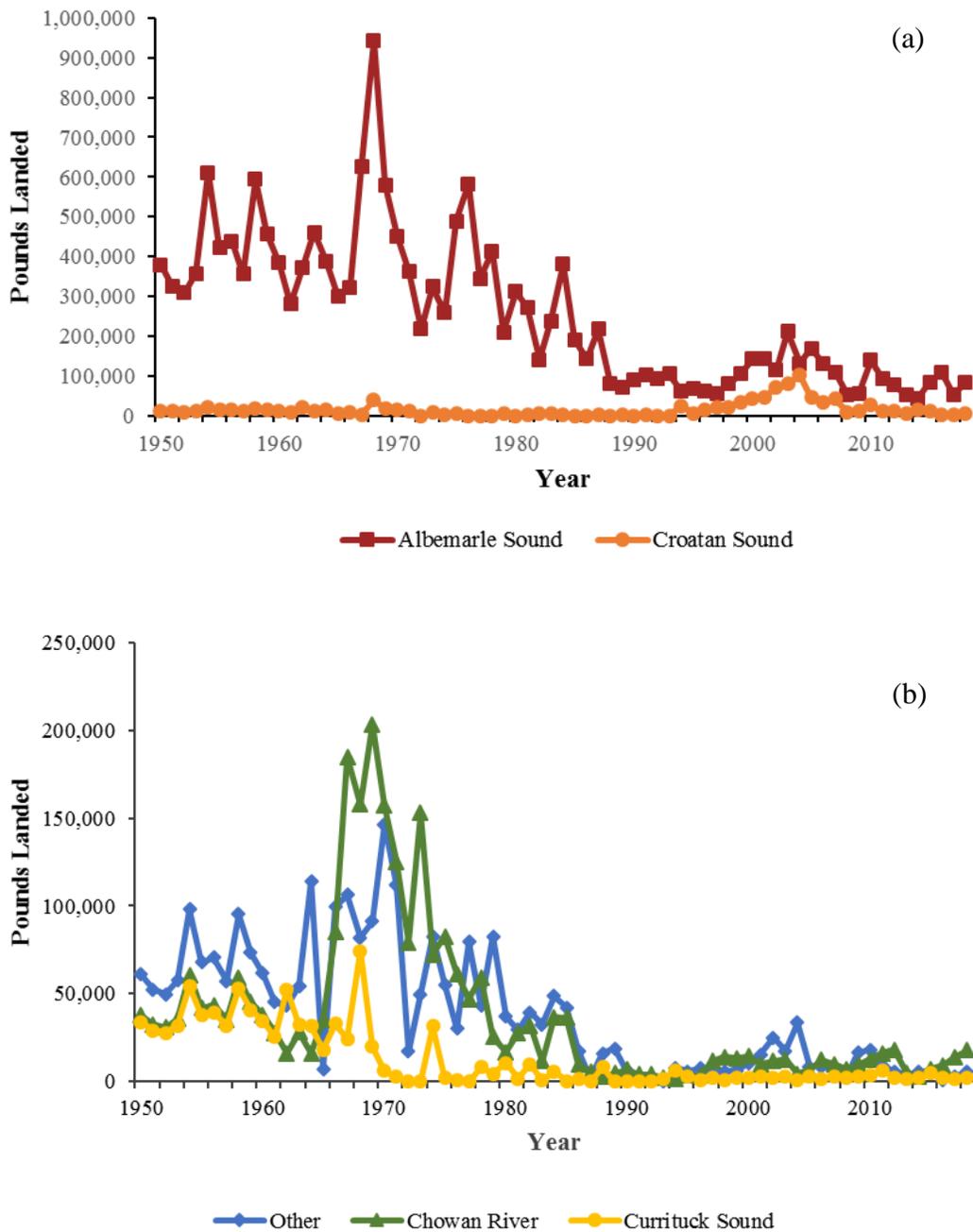


Figure 3.14. Annual landings of Striped Bass from Albemarle Sounds, Croatan Sound (a) and Chowan River, Currituck Sound, other (b) waterbodies in the ASMA from 1950 to 2018.

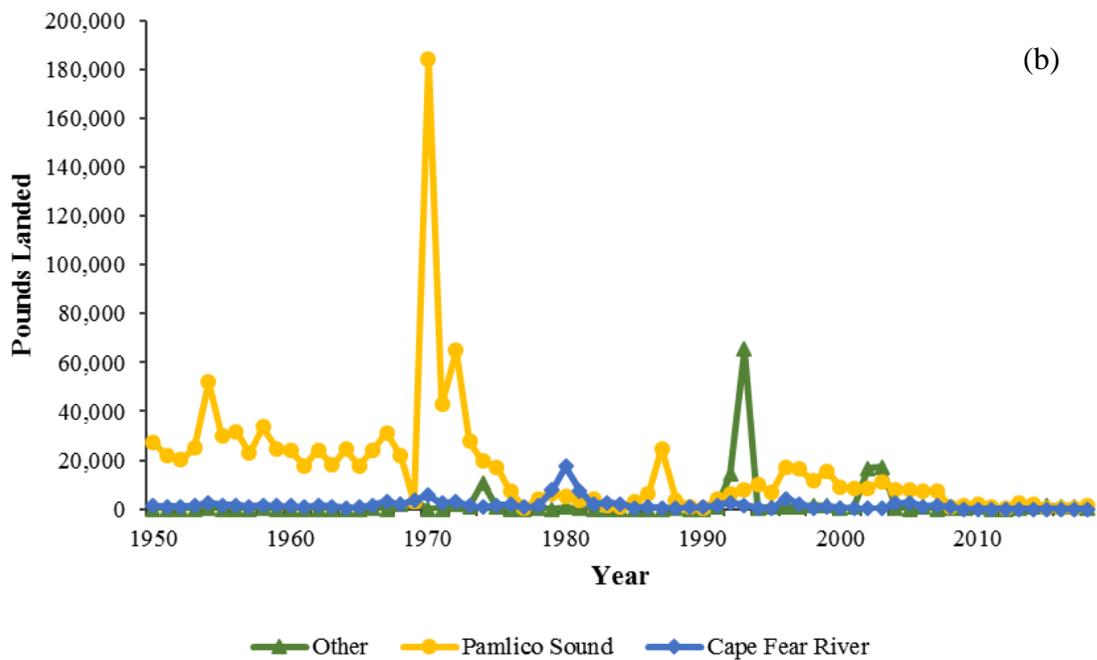
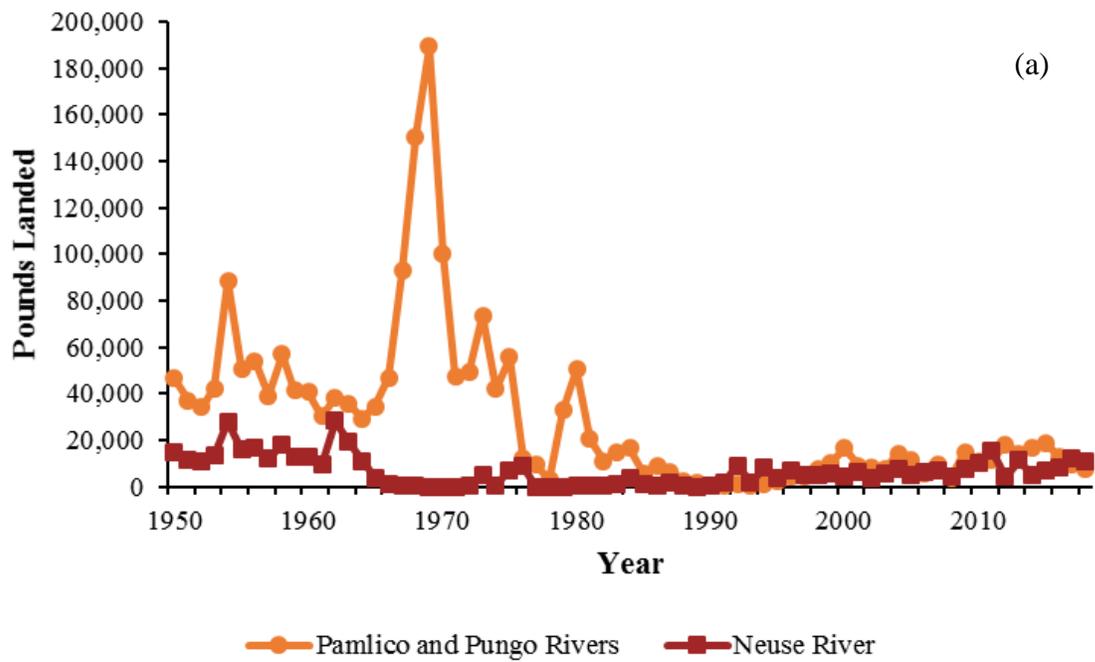


Figure 3.15. Annual landings of Striped Bass from Pamlico and Pungo Rivers, Neuse River (a) and Pamlico Sound, Cape Fear River, Other (b) waterbodies in the CSMA from 1950 to 2018.

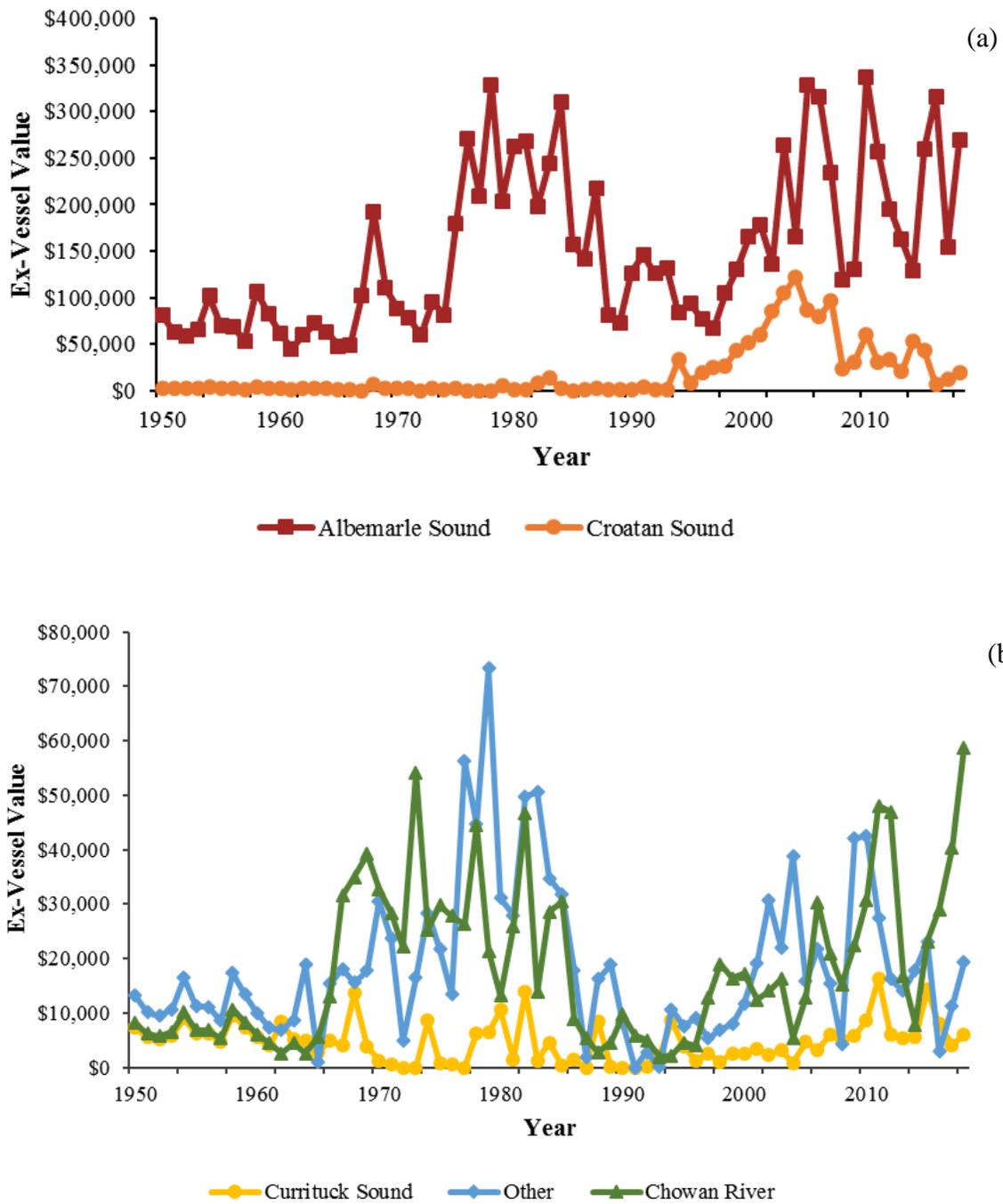


Figure 3.16. Annual ex-vessel value of landings from Albemarle Sound, Croatan Sound (a) and Currituck Sound, Chowan River, Other (b) waterbodies in the ASMA from 1950 to 2018.

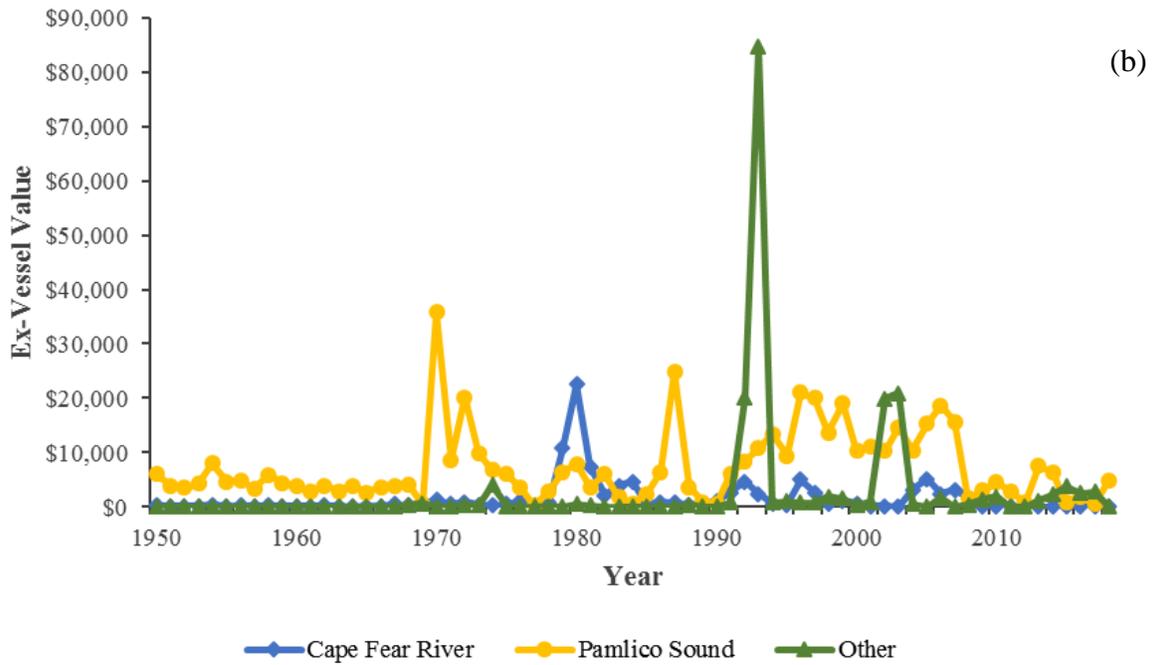
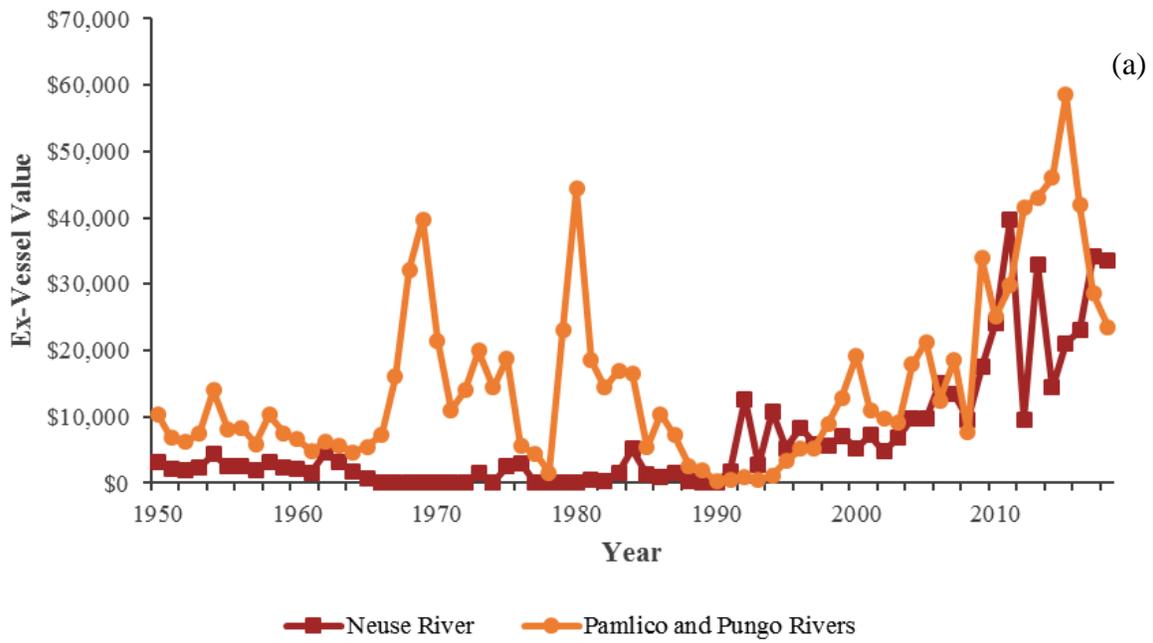


Figure 3.17. Annual ex-vessel value of landing from Pamlico and Pungo Rivers, Neuse River (a) and Cape Fear River, Pamlico Sound, Other (b) waterbodies in the CSMA from 1950 to 2018.

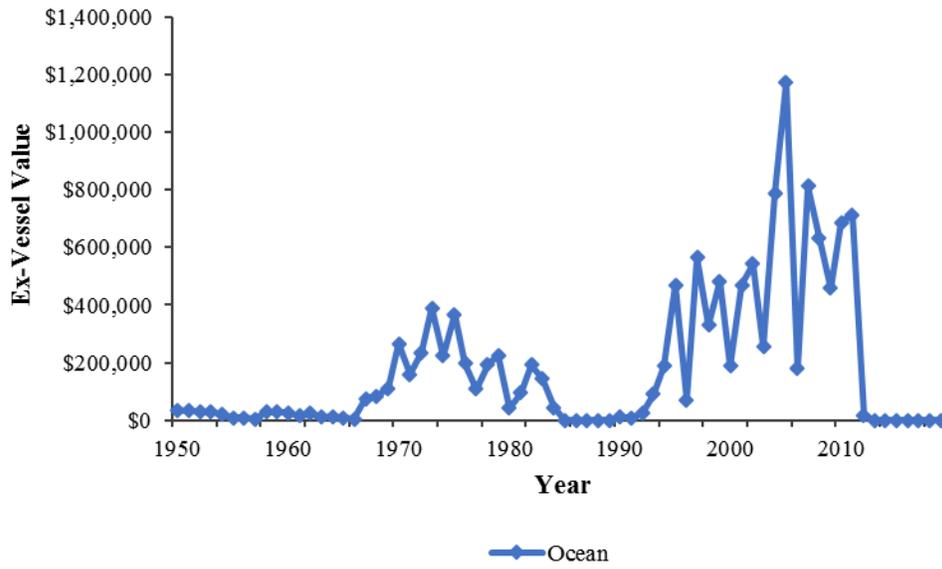
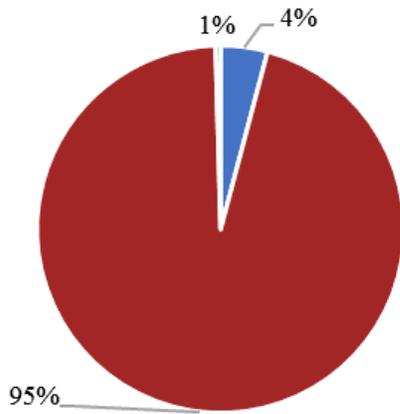


Figure 3.18. Annual ex-vessel value of Striped Bass landings from the Ocean, 1950 to 2018.

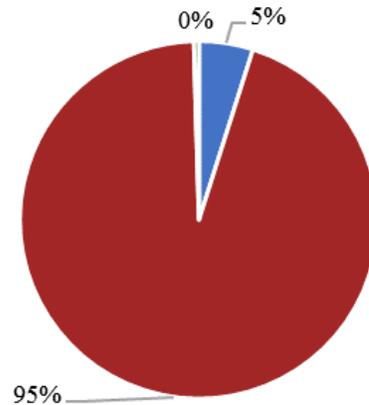
Percent Pounds Landed

(a)



Percent Ex-Vessel Value

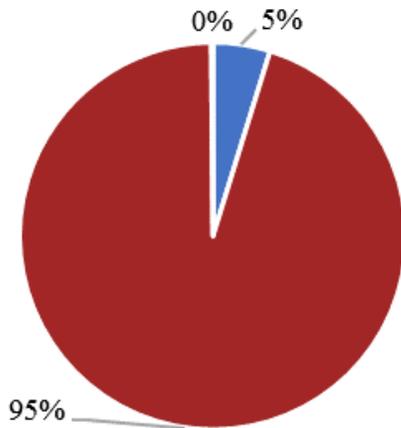
(b)



■ CENTRAL
■ NORTHERN
■ SOUTHERN

Tags

(c)



Percent Trips

(d)

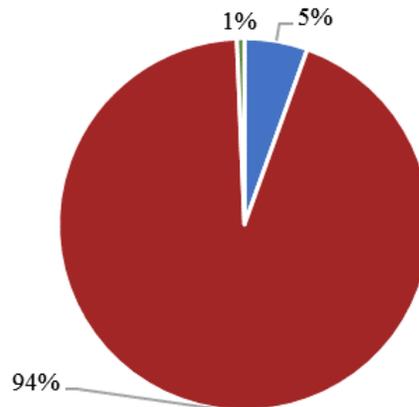


Figure 3.19. Percent of Striped Bass landings (a) and ex-vessel value (b) from 1887 to 2018, tags (c) from 2000 to 2018 and trips (d) from 1994 to 2018 by district.

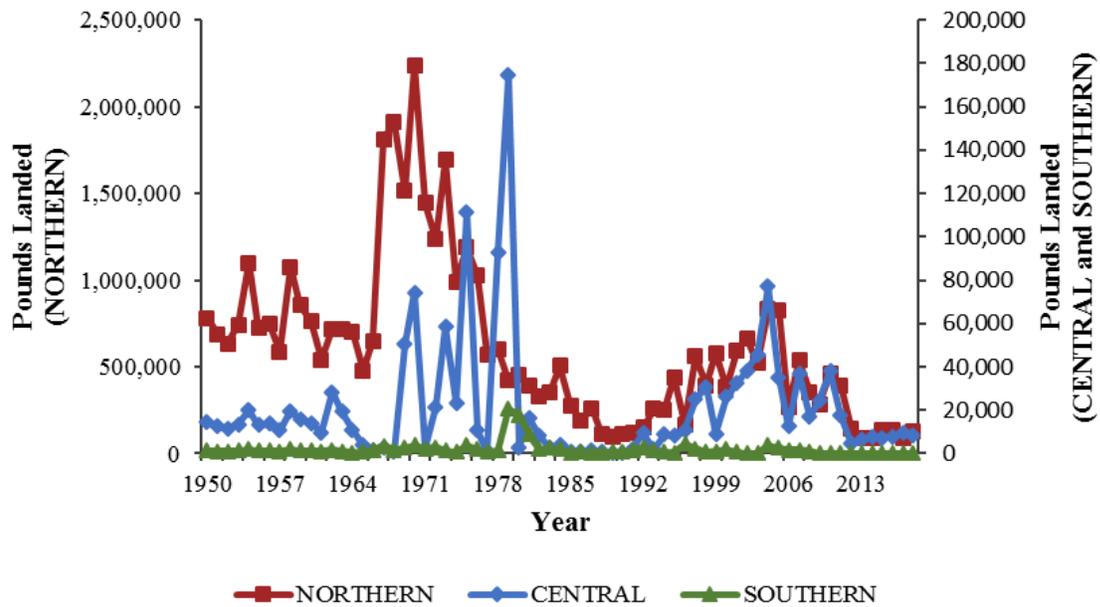


Figure 3.20. Annual landings of Striped Bass by district, 1950-2018.

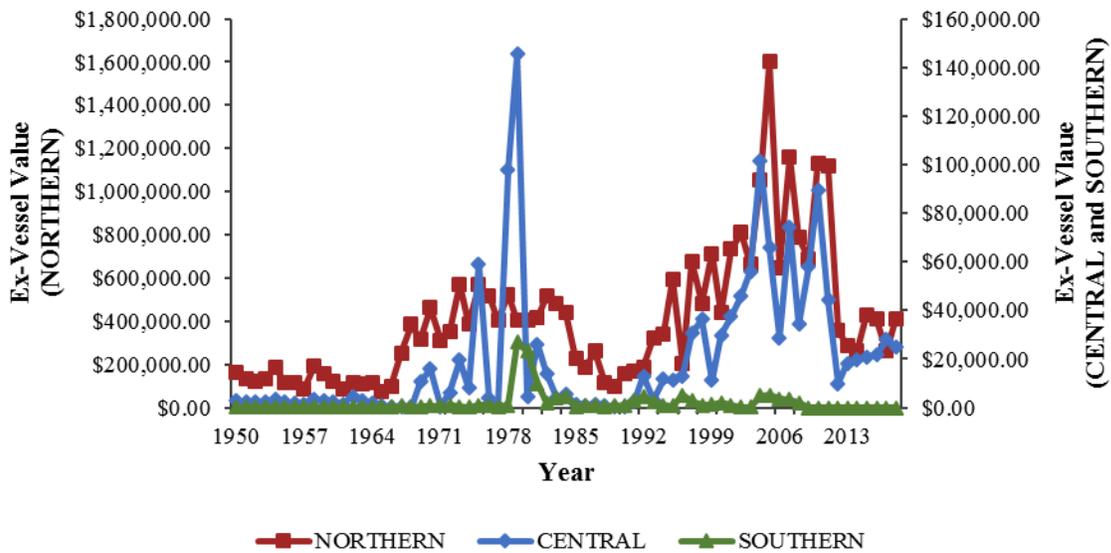


Figure 3.21. Annual ex-vessel value of Striped Bass by district, 1950-2018.

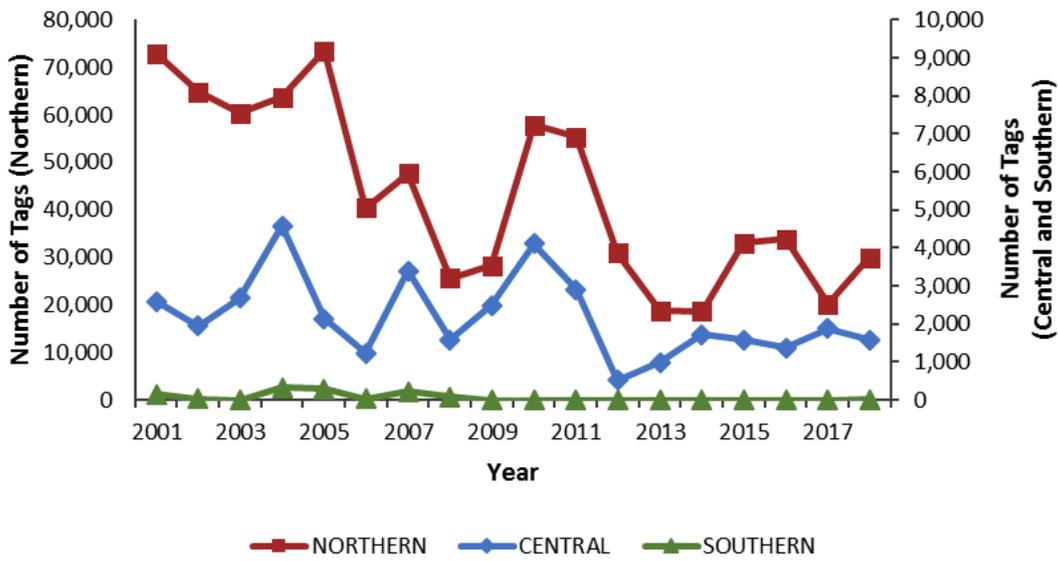


Figure 3.22. Annual number of Striped Bass tags from 2001 to 2018 by district. *Note: 2000 does not record number of tags for the entire year and therefore, is not included in this annual figure.

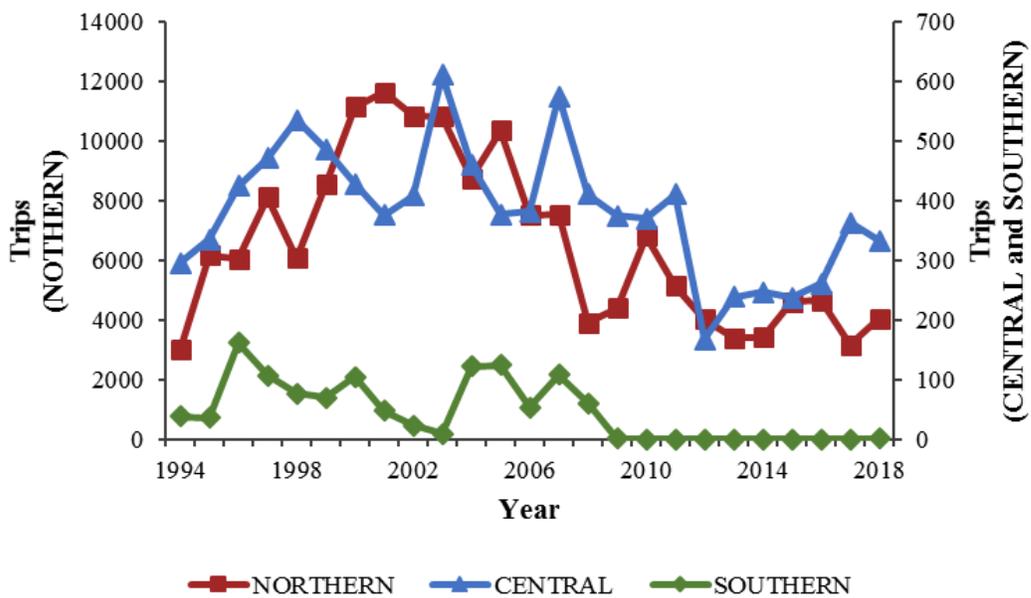


Figure 3.23. Annual number of trips landing Striped Bass by district, 1994 to 2018.

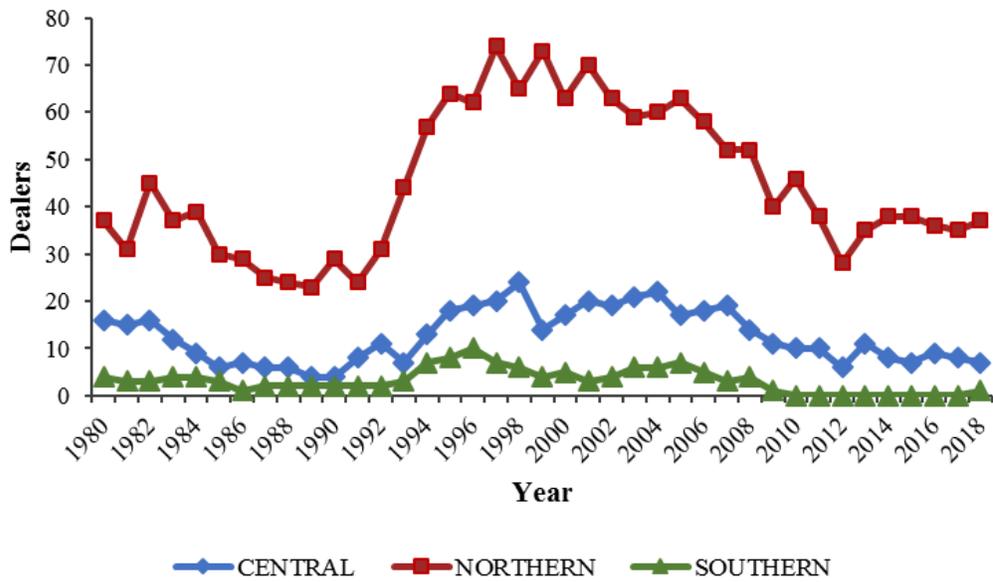


Figure 3.24. Annual number of dealers reporting landings of Striped Bass by district, 1994 to 2018.

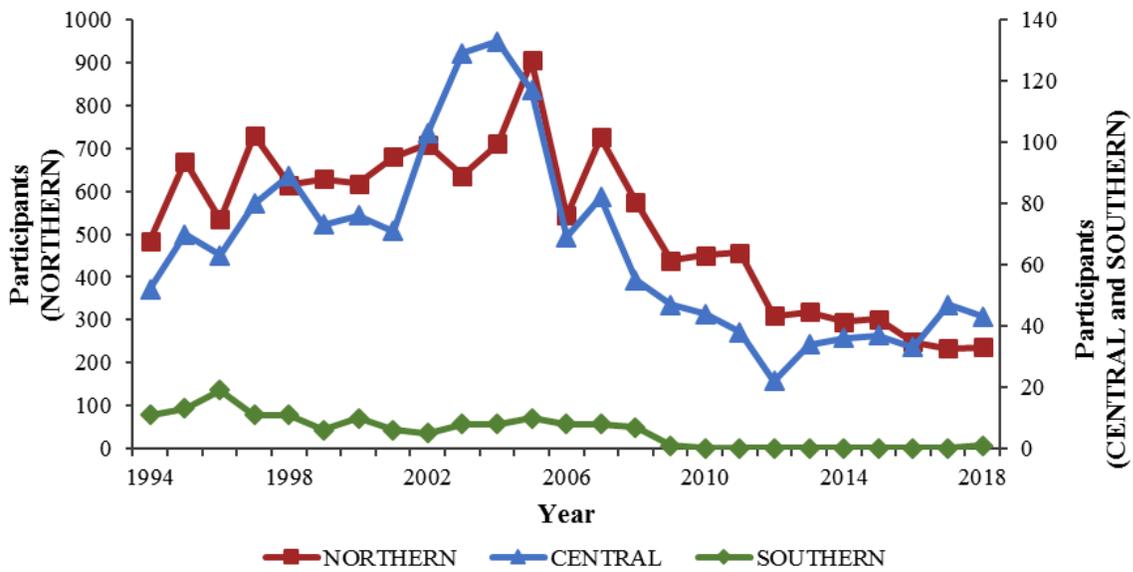


Figure 3.25. Annual number of participants landing Striped Bass by district from 1994 to 2018.

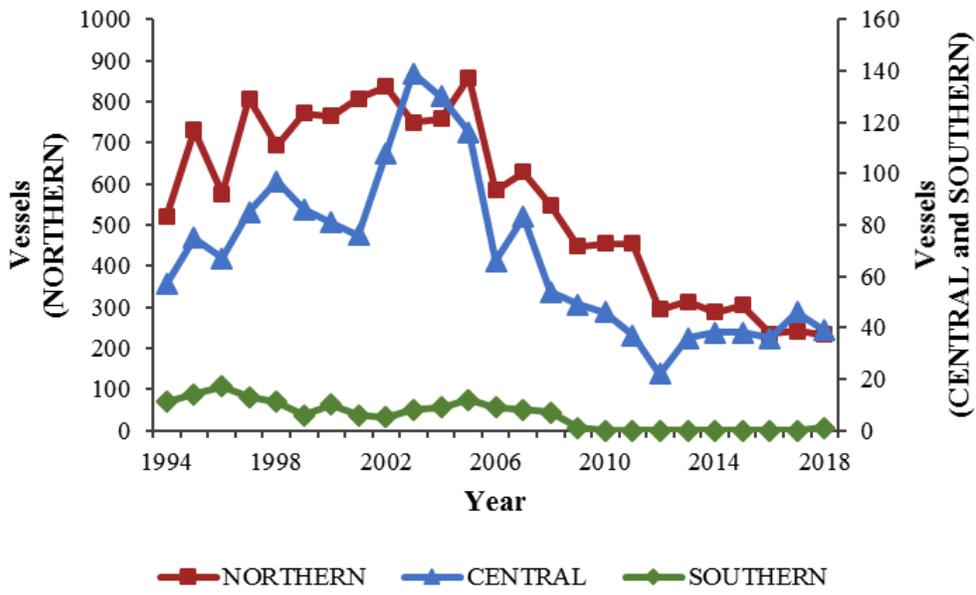


Figure 3.26. Annual number of vessels landing Striped Bass by district, 1994 to 2018.

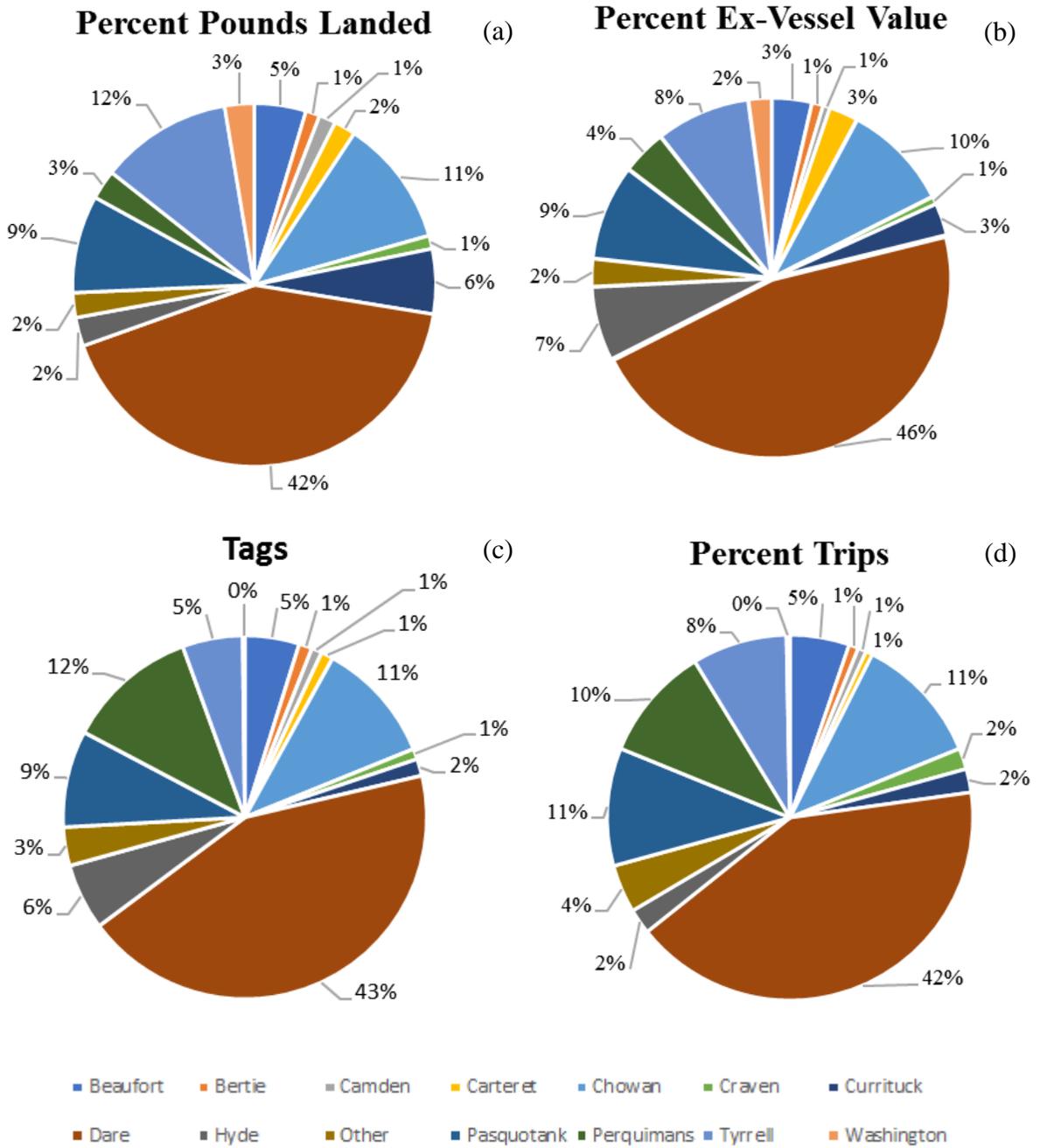


Figure 3.27. Percent of Striped Bass landings (a) and ex-vessel value (b) from 1887 to 2018, number of tags (c) from 2000 to 2018 and trips (d) from 1994 to 2018 by county.

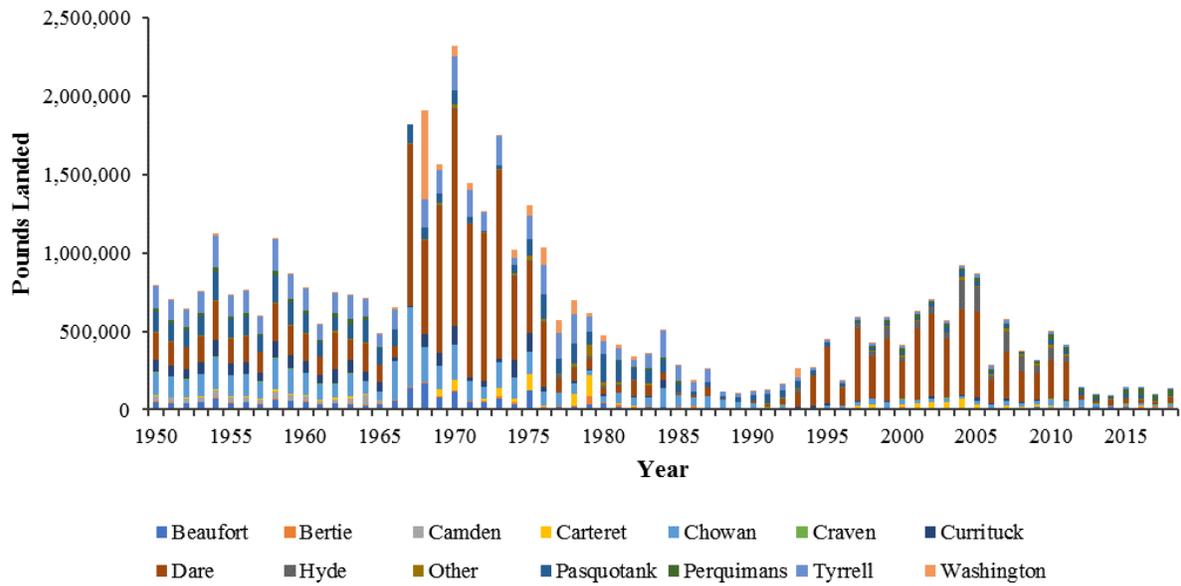


Figure 3.28. Annual landings of Striped Bass by county, 1950 to 2018.

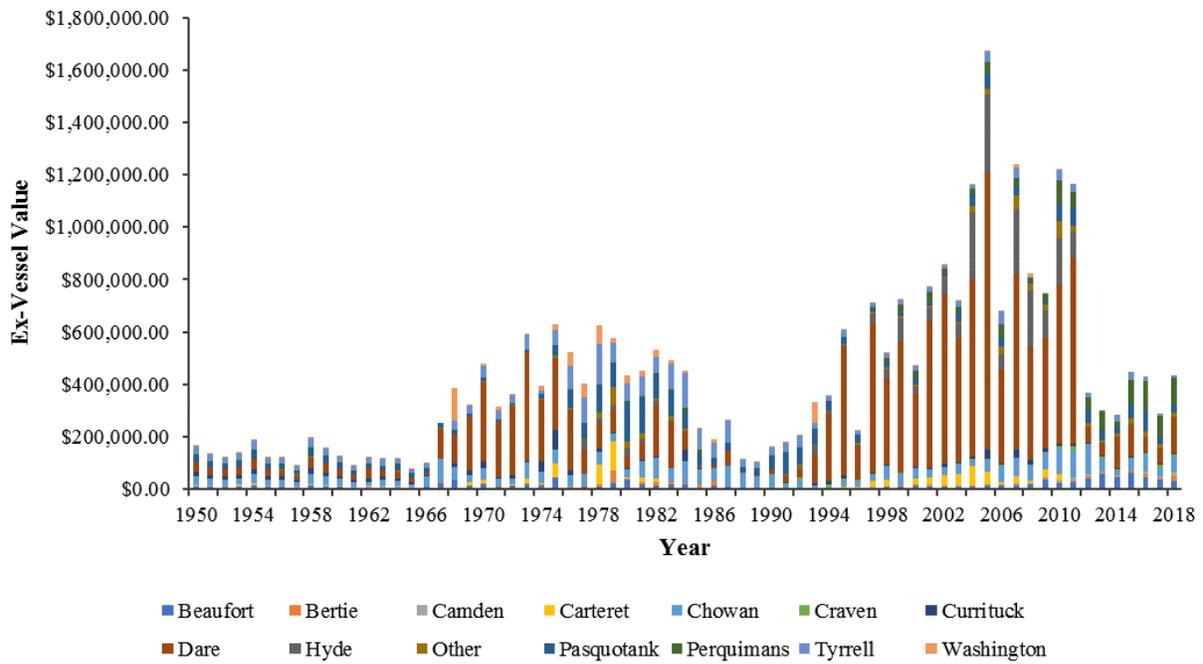


Figure 3.29. Annual ex-vessel value of Striped Bass by county, 1950 to 2018.

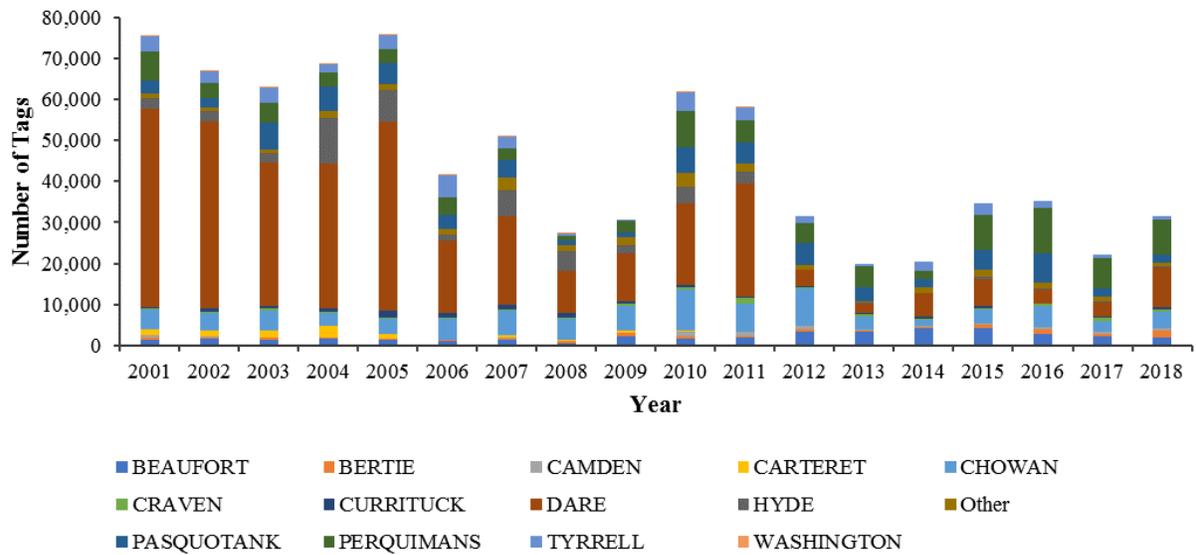


Figure 3.30. Annual number of Striped Bass tags by county from 2002 to 2018. Note: 2000 does not provide number of tags for the entire year and therefore, is not included in this annual figure.

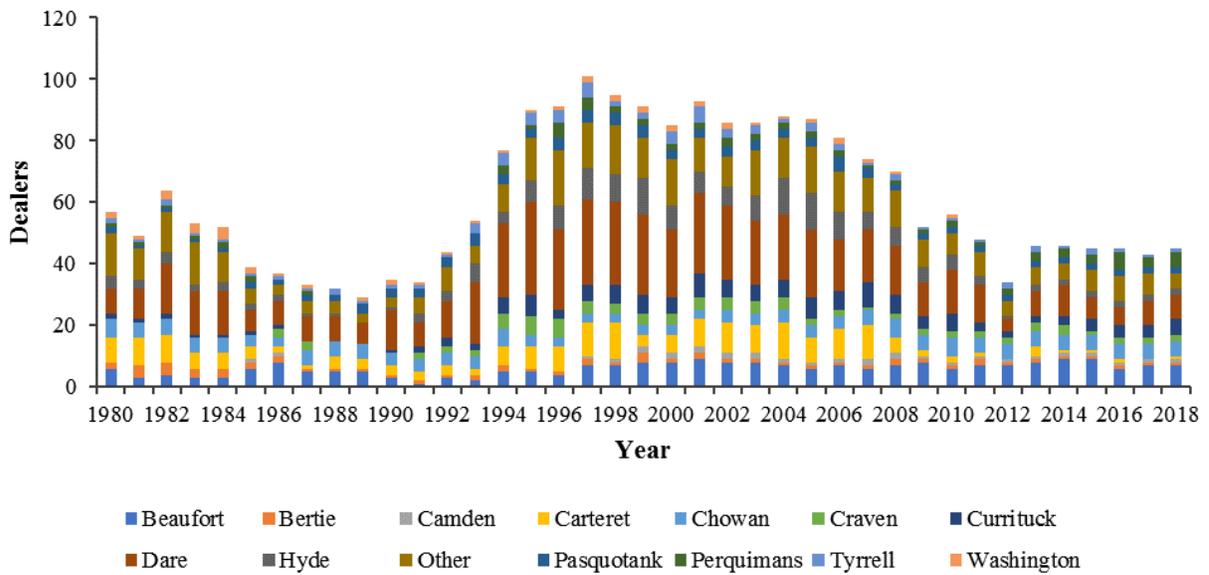


Figure 3.31. Annual number of dealers for Striped Bass by county, 1980 to 2018.

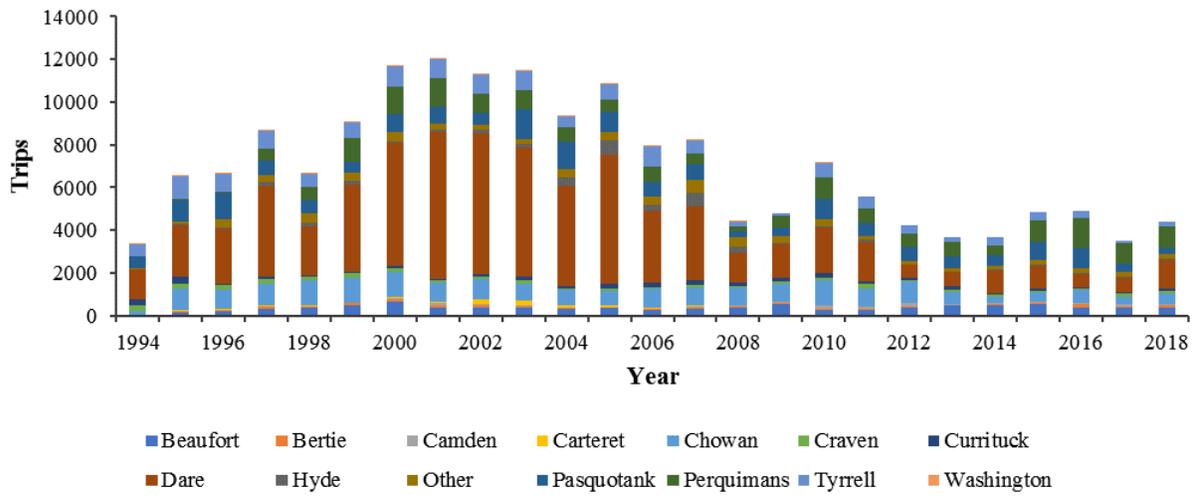


Figure 3.32. Annual number of trips for Striped Bass by county, 1994 to 2018.

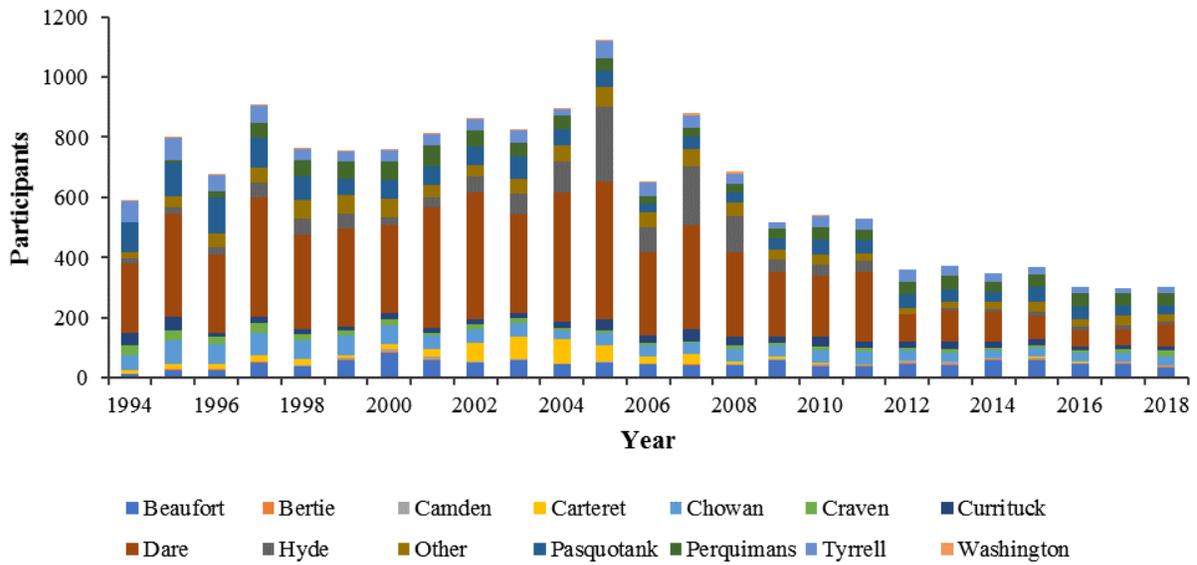


Figure 3.33. Annual number of participants for Striped Bass by county, 1994 to 2018.

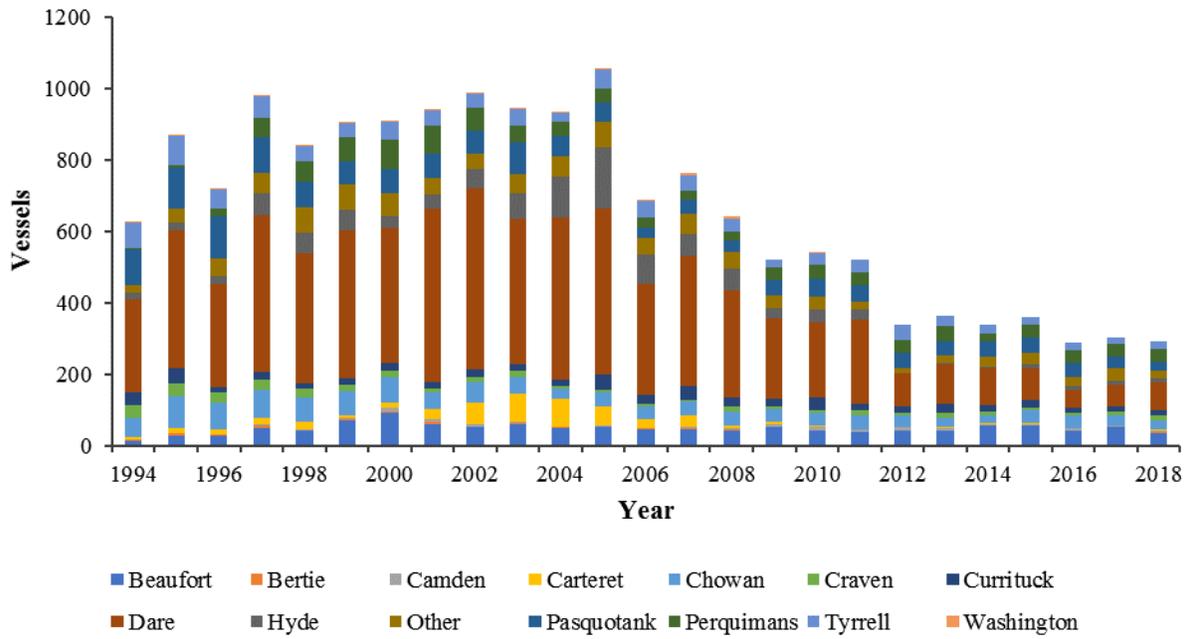


Figure 3.34. Annual number of vessels for Striped Bass by county, 1994 to 2018.

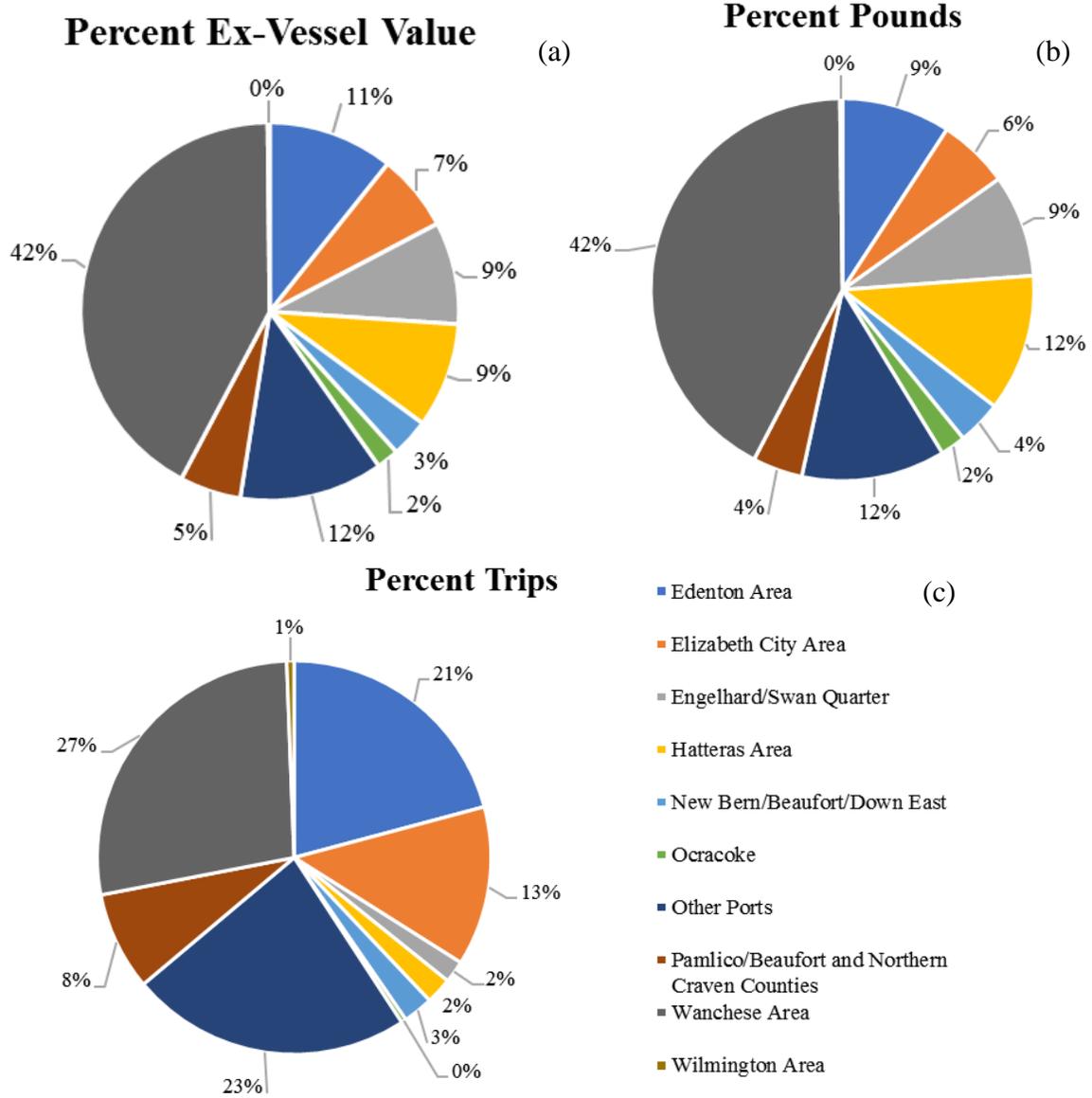


Figure. 3.35. Percent of Striped Bass landings (a), ex-vessel value (b), and trips (c) from 1994 to 2018 by port.

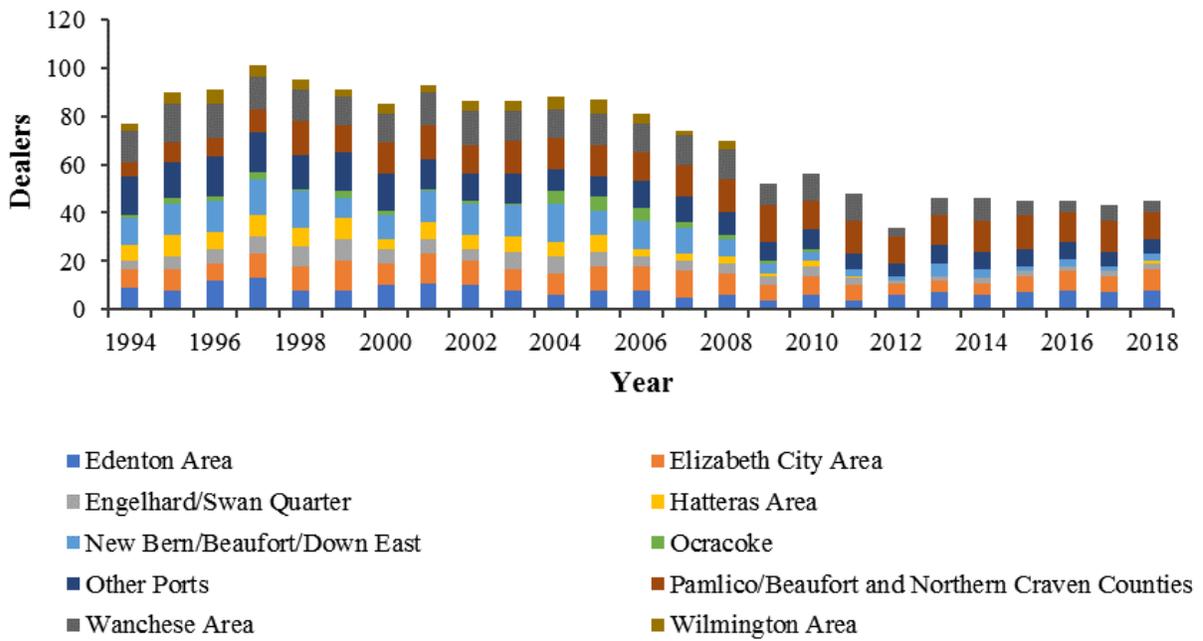


Figure 3.38. Annual number of dealers for Striped Bass by port, 1994 to 2018.

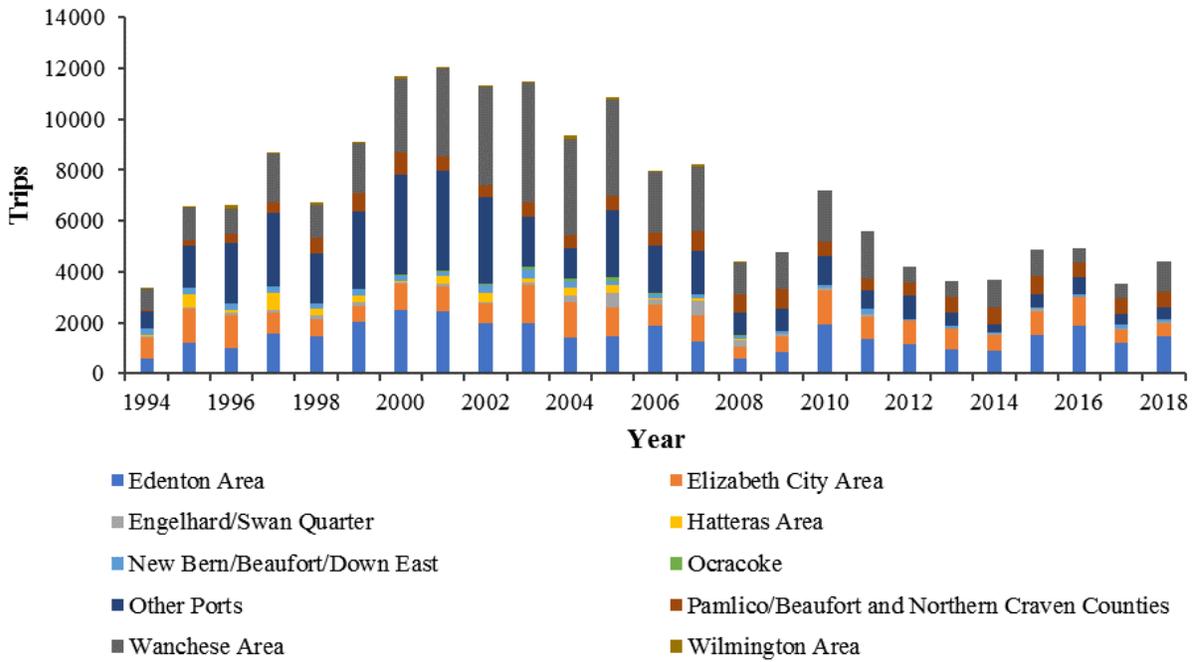


Figure 3.39. Annual number of trips for Striped Bass by port, 1994 to 2018.

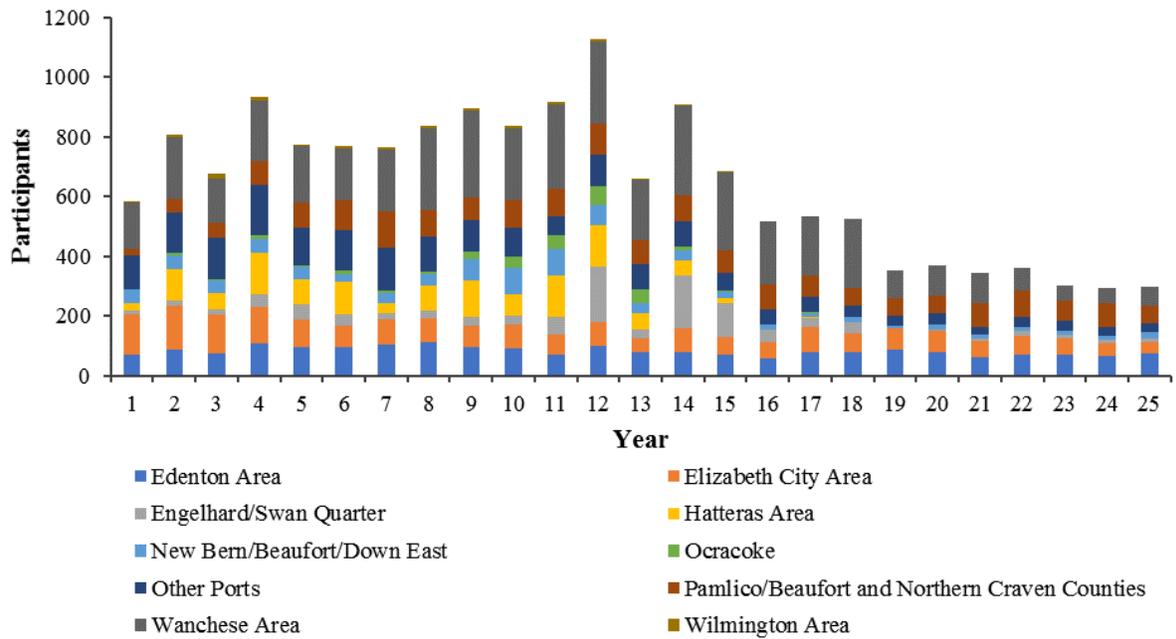


Figure 3.40. Annual number of participants for Striped Bass by port, 1994 to 2018.

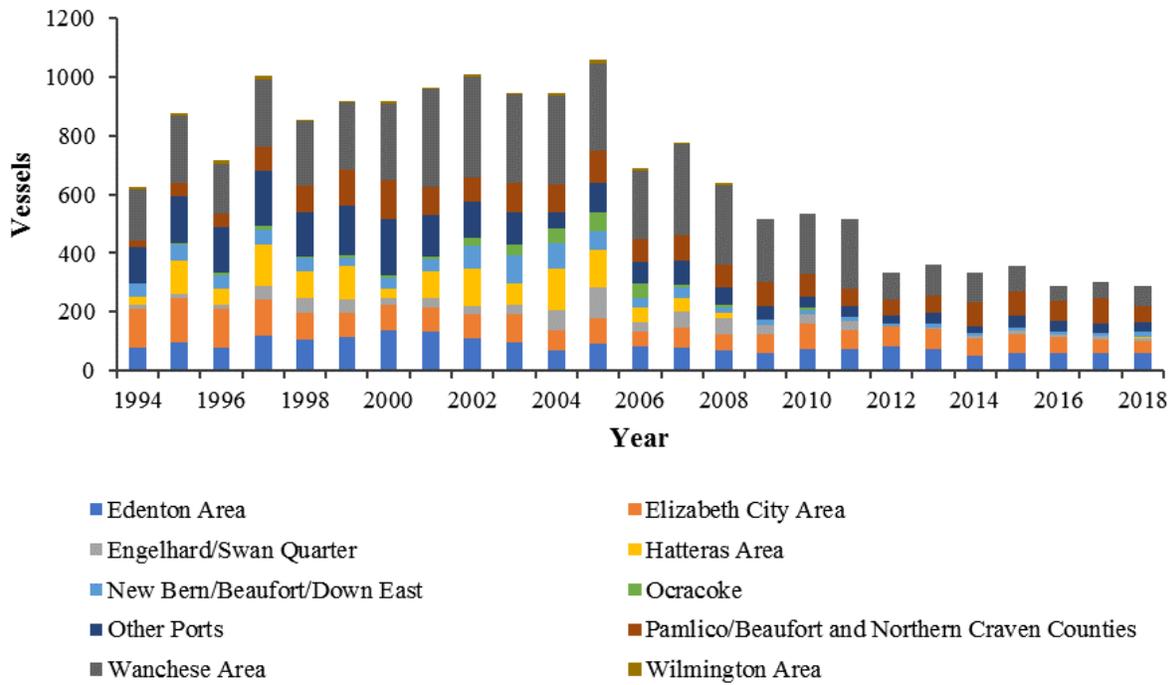


Figure 3.41. Annual number of vessels for Striped Bass by port, 1994 to 2018.

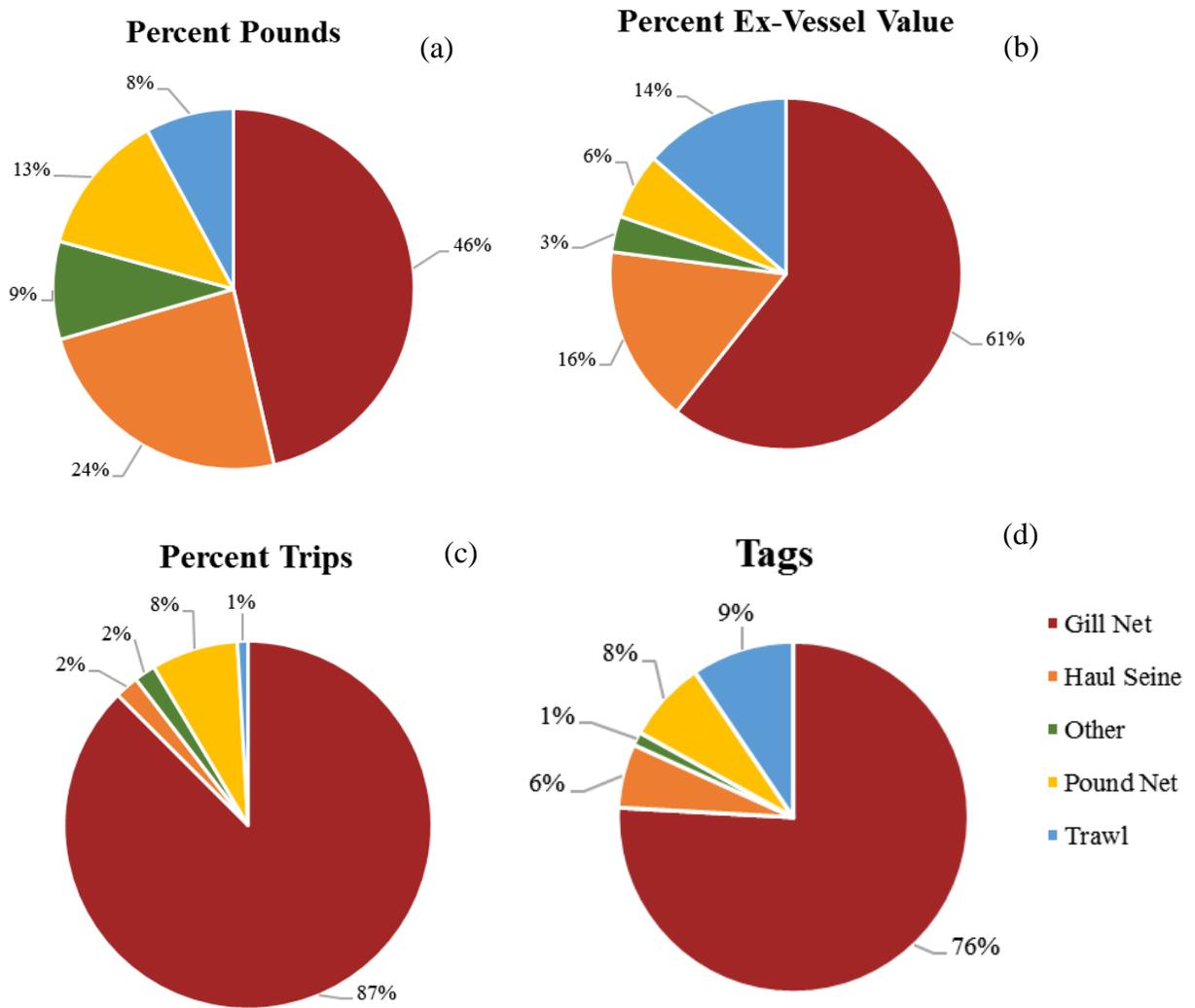


Figure 3.42. Percent of Striped Bass landings (a) and ex-vessel value (b) from 1887 to 2018, trips (c) from 1994 to 2018 and tags (d) from 2000 to 2018 by gear.

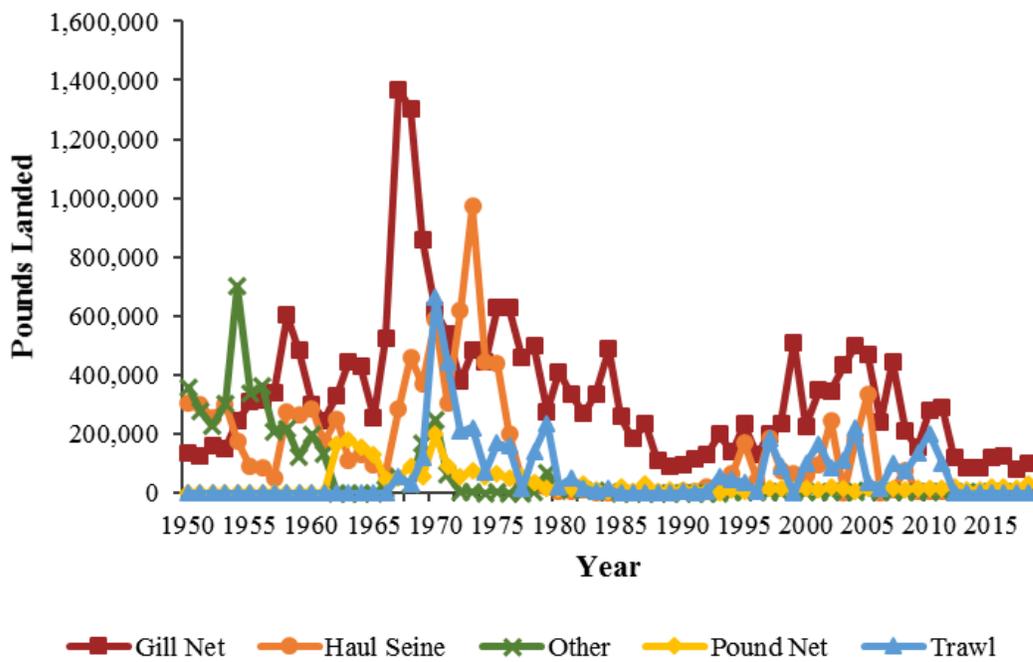


Figure 3.43. Annual landings of Striped Bass by gear, 1950 to 2018.

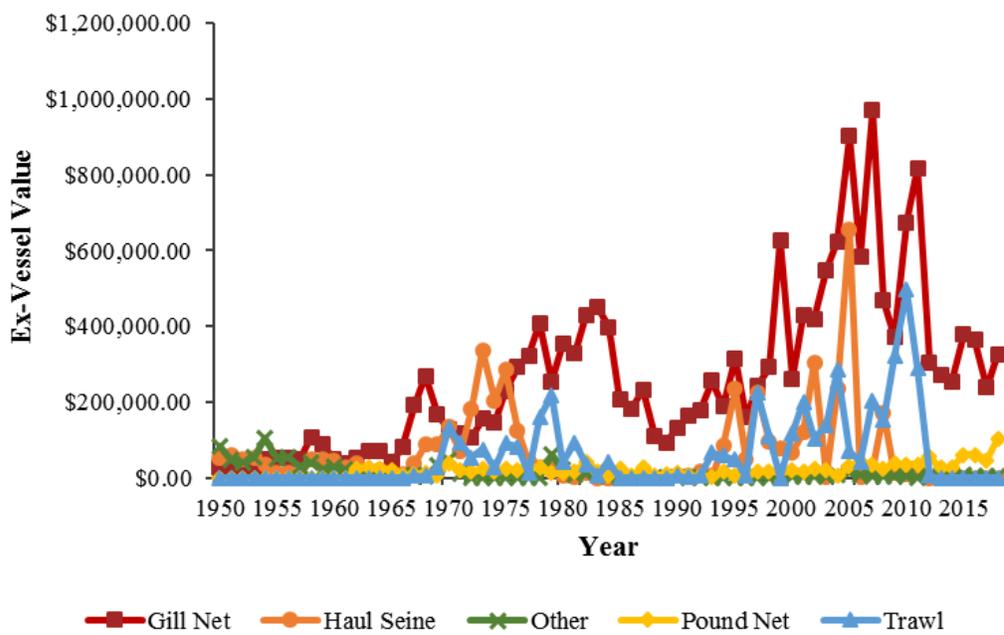


Figure 3.44. Annual ex-vessel value of Striped Bass by gear, 1950 to 2018.

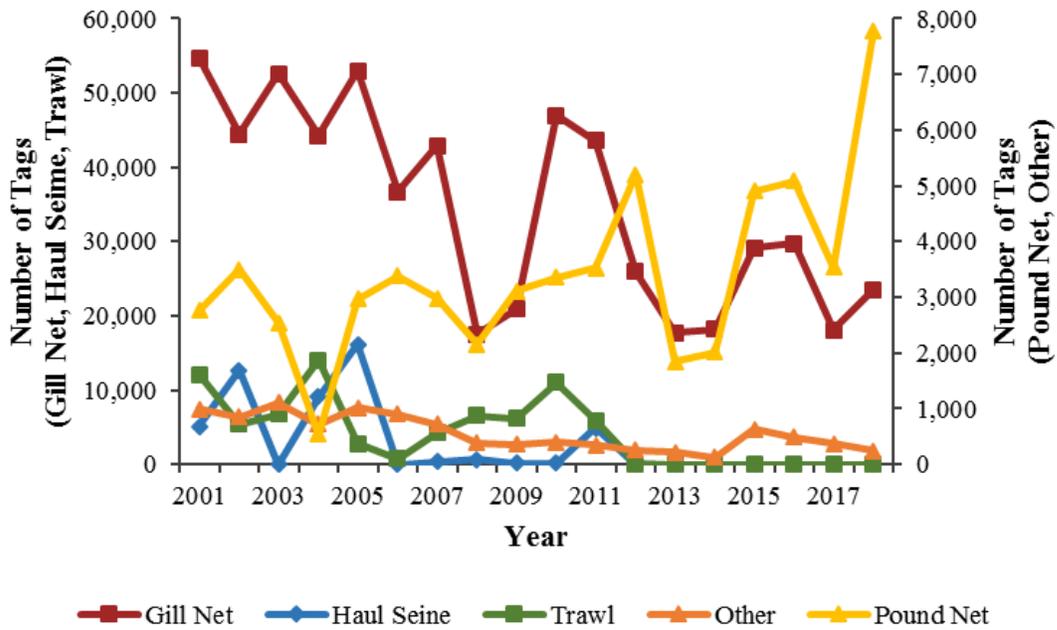


Figure 3.45. Annual number of Striped Bass tags by gear from 2002 to 2018. Note: 2000 does not provide number of tags for the entire year and therefore, is not included in this annual figure.

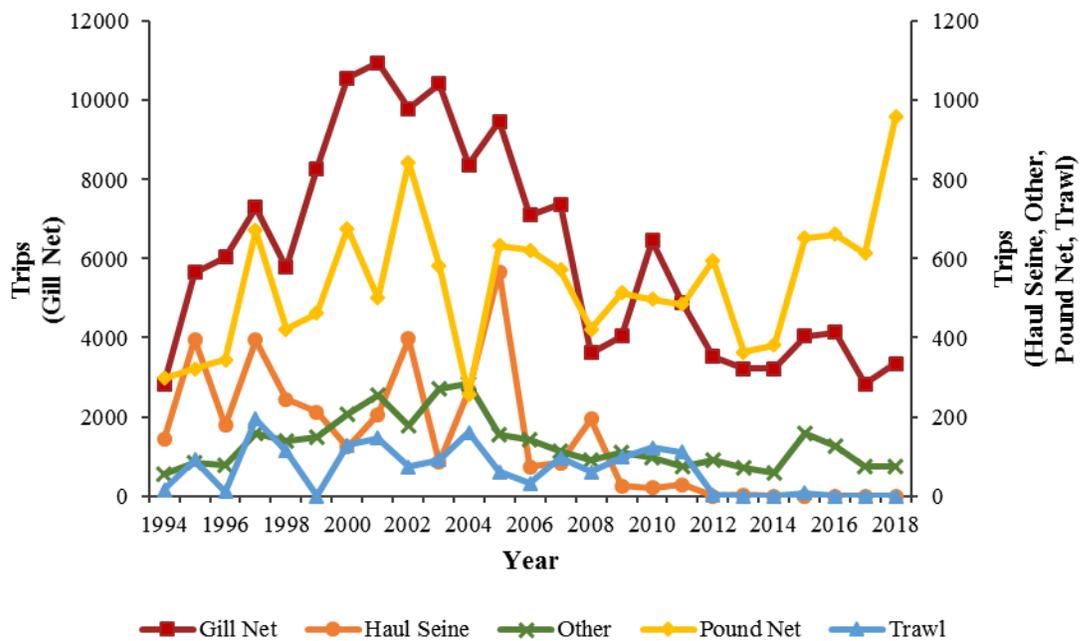


Figure 3.46. Annual number of trips for Stripes Bass by gear, 1994 to 2018.

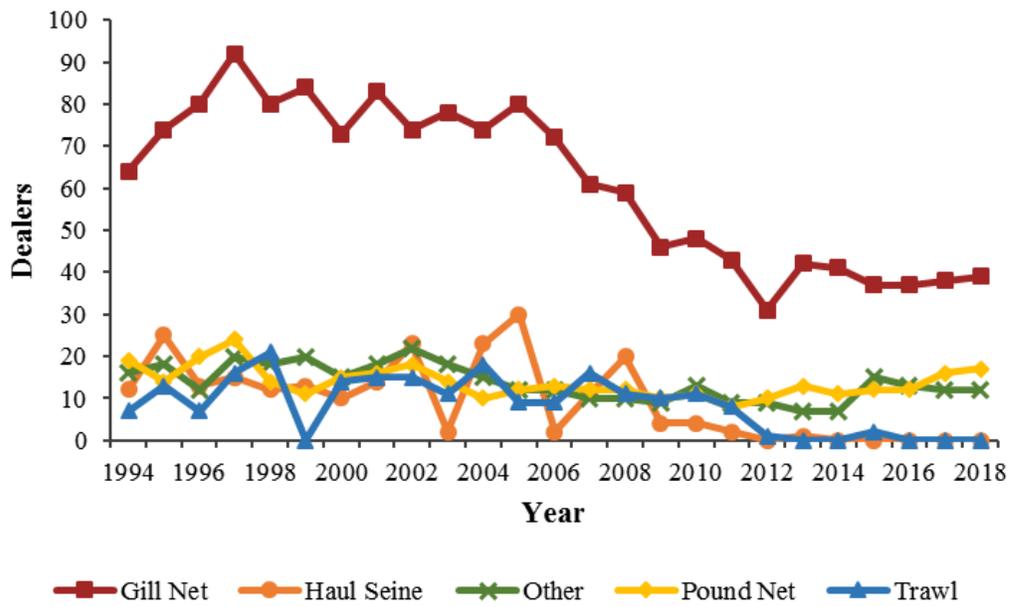


Figure 3.47. Annual number of dealers for Striped Bass by gear, 1994 to 2018.

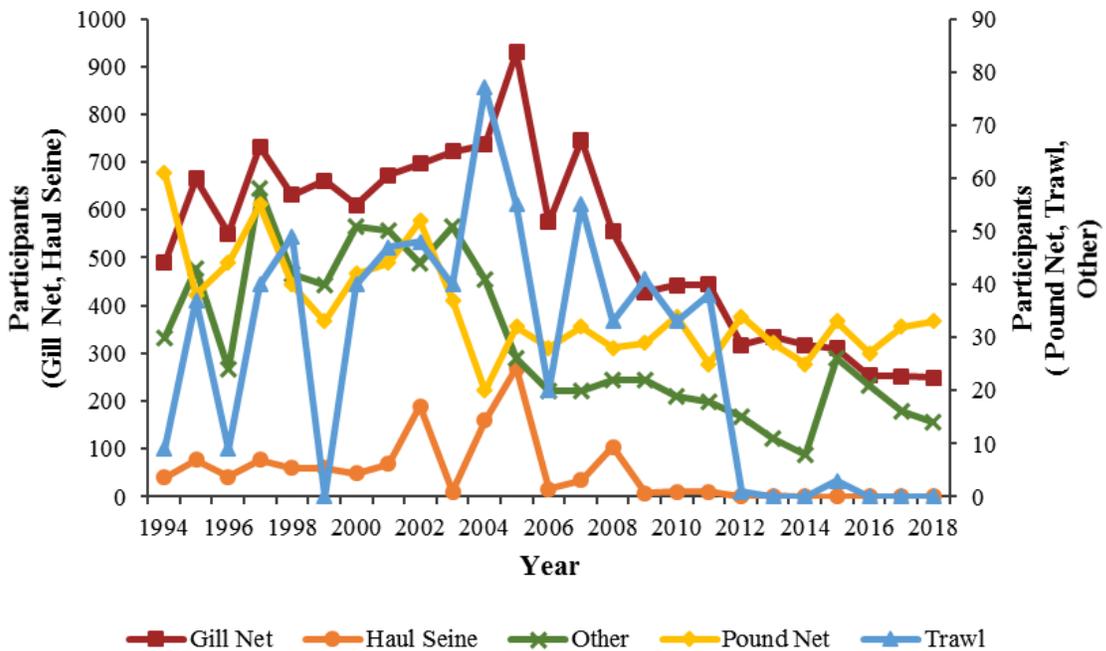


Figure 3.48. Annual number of participants for Striped Bass by gear, 1994 to 2018

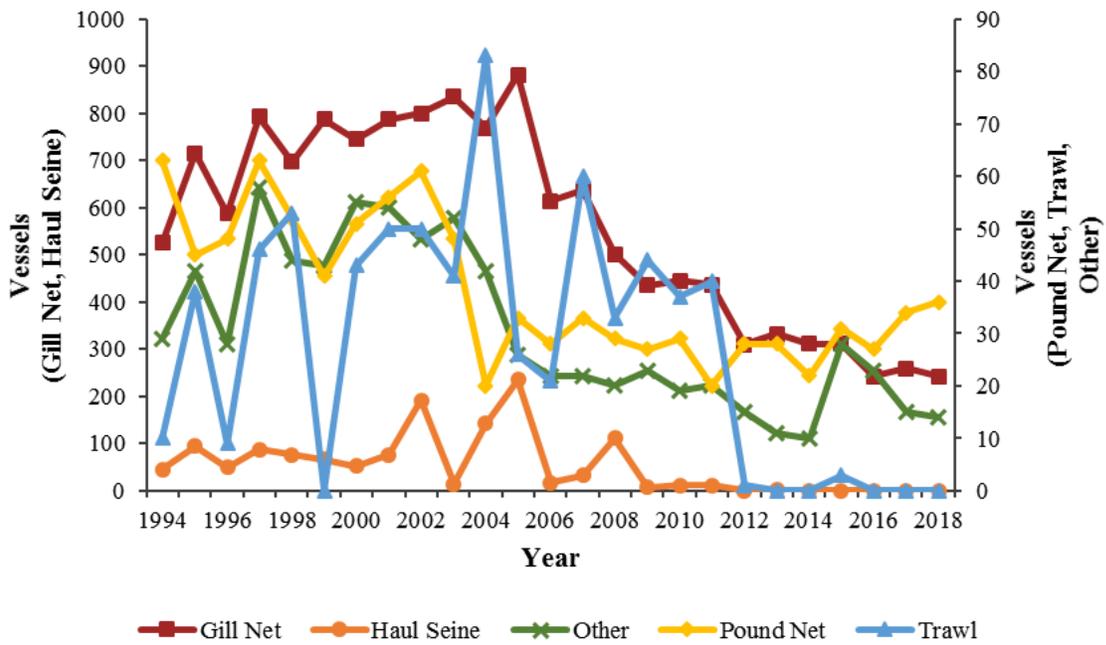


Figure 3.49. Annual number of vessels for Striped Bass by gear, 1994 to 2018.

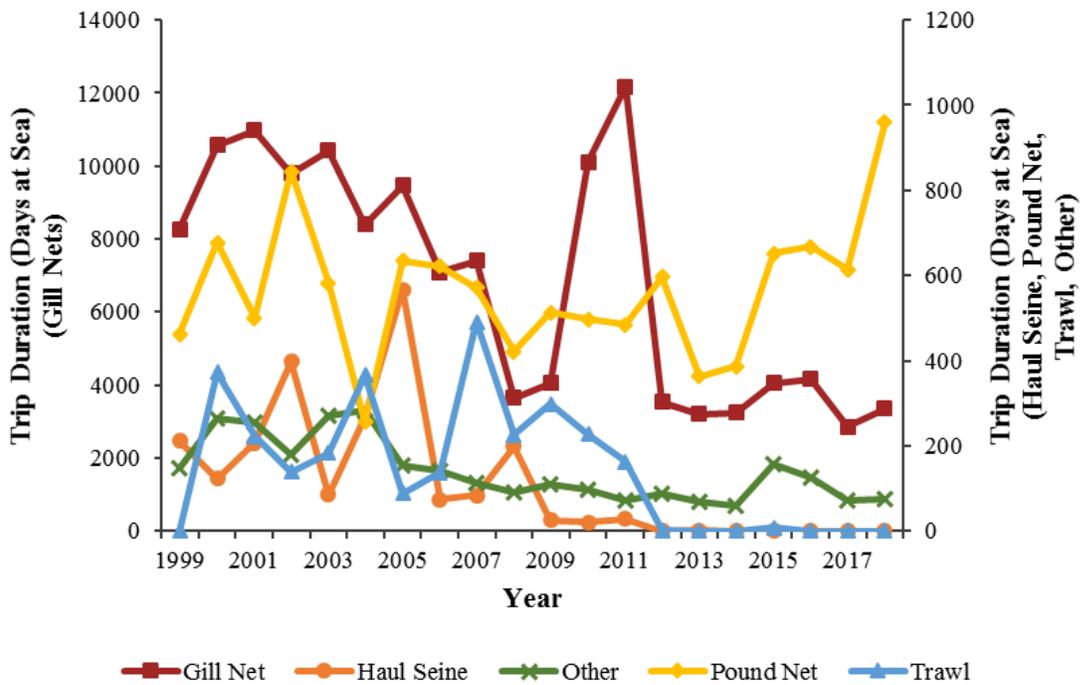


Figure 3.50. Annual trip duration for Striped Bass by gear, 1999 to 2018.

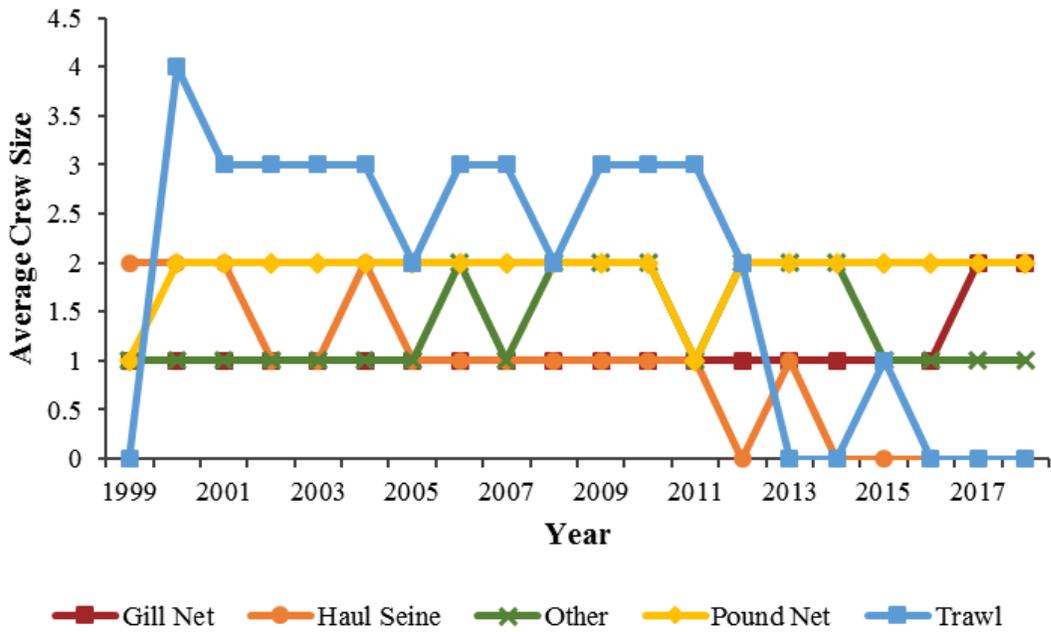


Figure 3.51. Annual average crew size for Striped Bass by gear, 1999 to 2018.

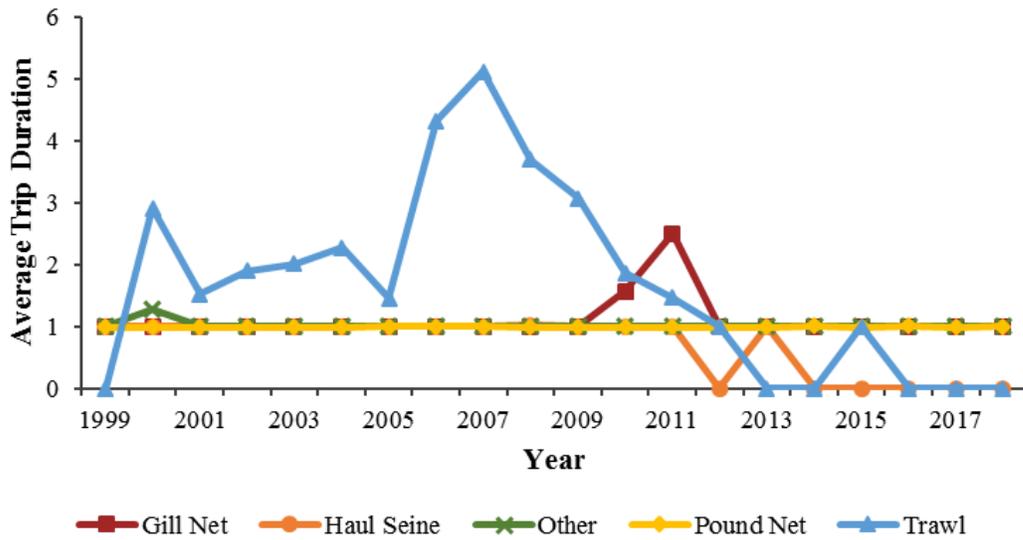


Figure 3.52. Annual average trip duration for Striped Bass by gear, 1999 to 2018.

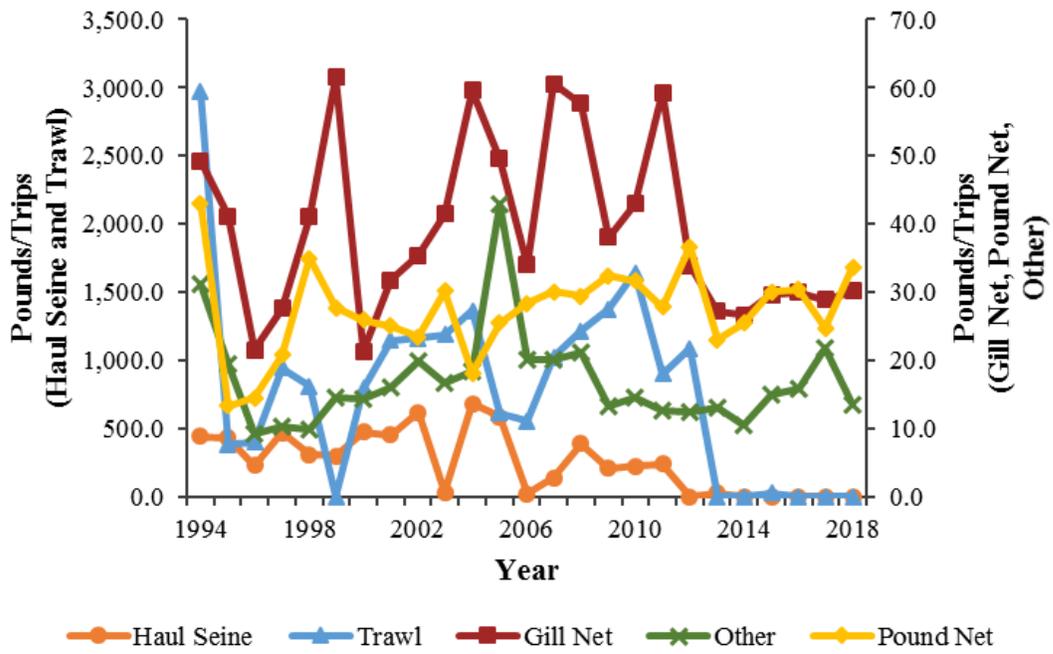


Figure 3.53. Annual pounds per trip for Striped Bass by gear, 1994 to 2018.

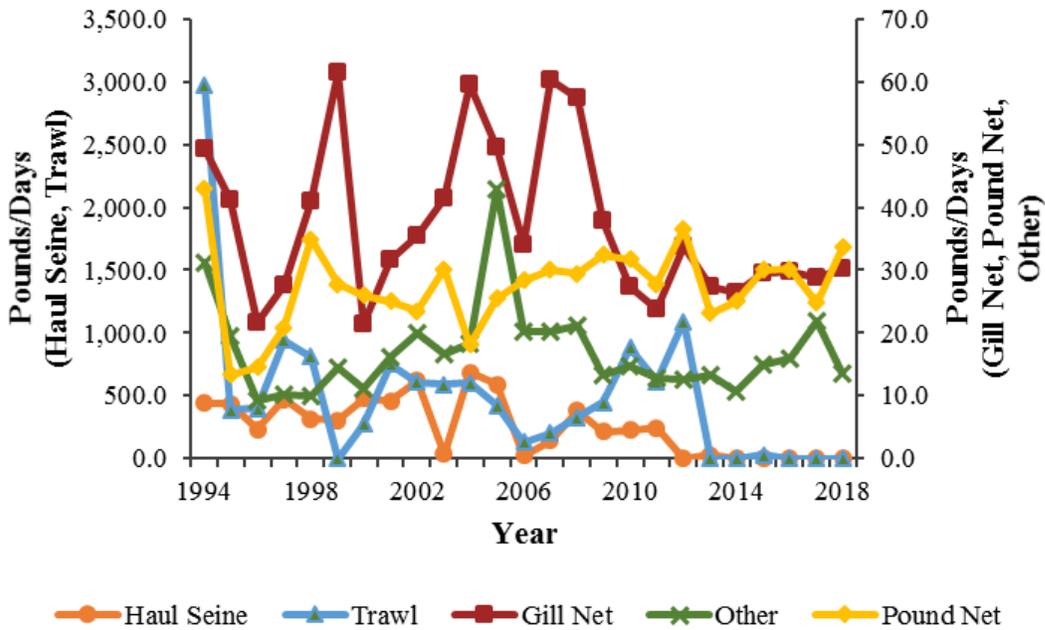


Figure 3.54. Annual pounds per day for Striped Bass, by gear, 1994 to 2018.

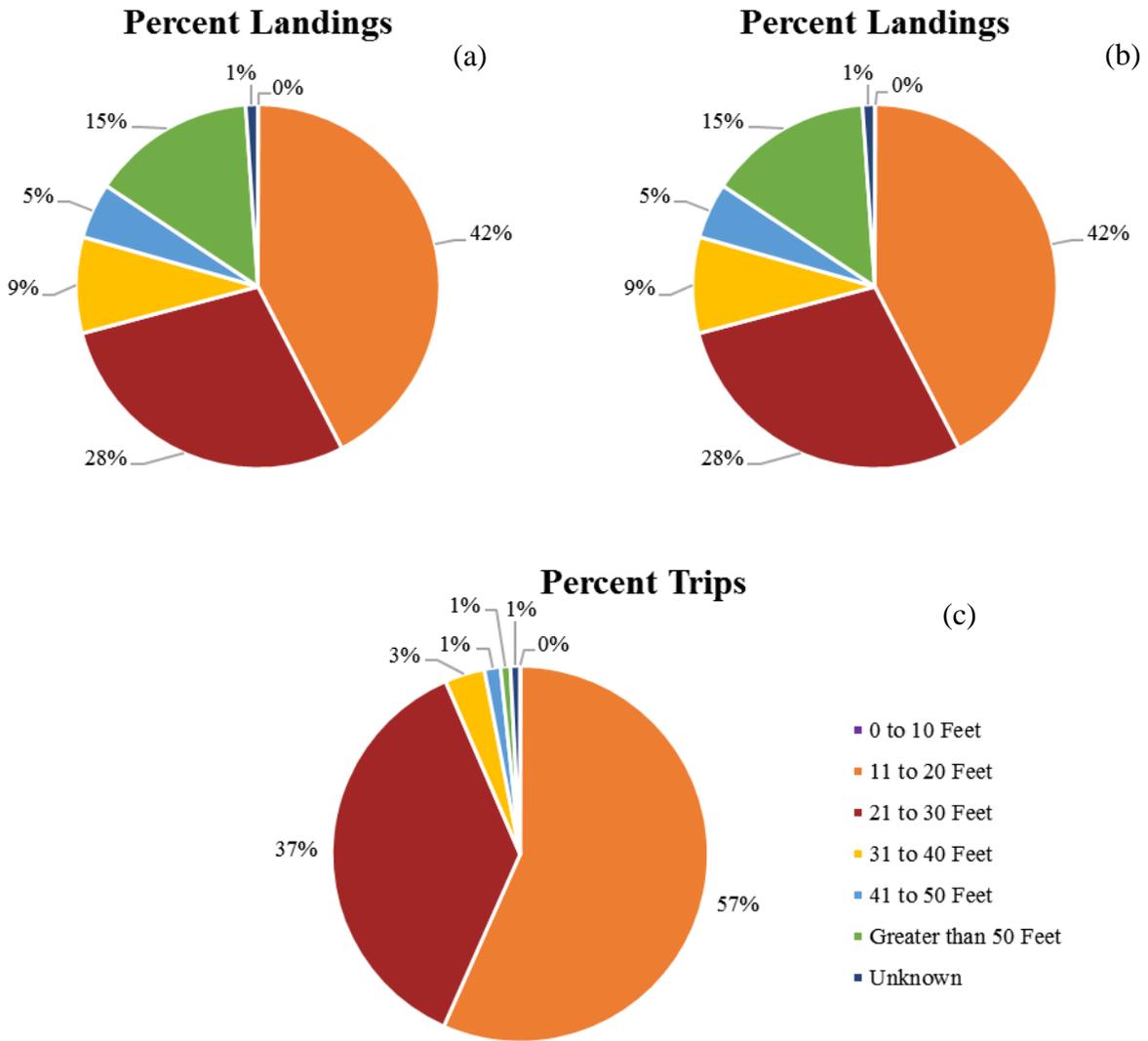


Figure 3.55. Percent of Striped Bass landings (a), ex-vessel value (b), and trips (c) from 1994 to 2018 by vessel size.

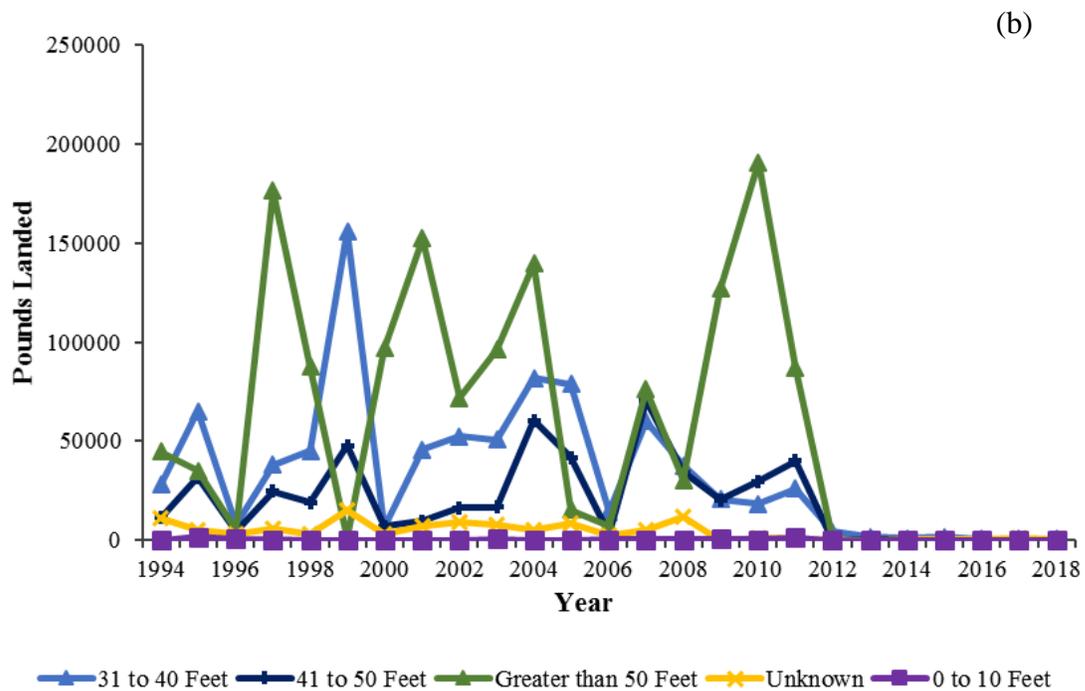
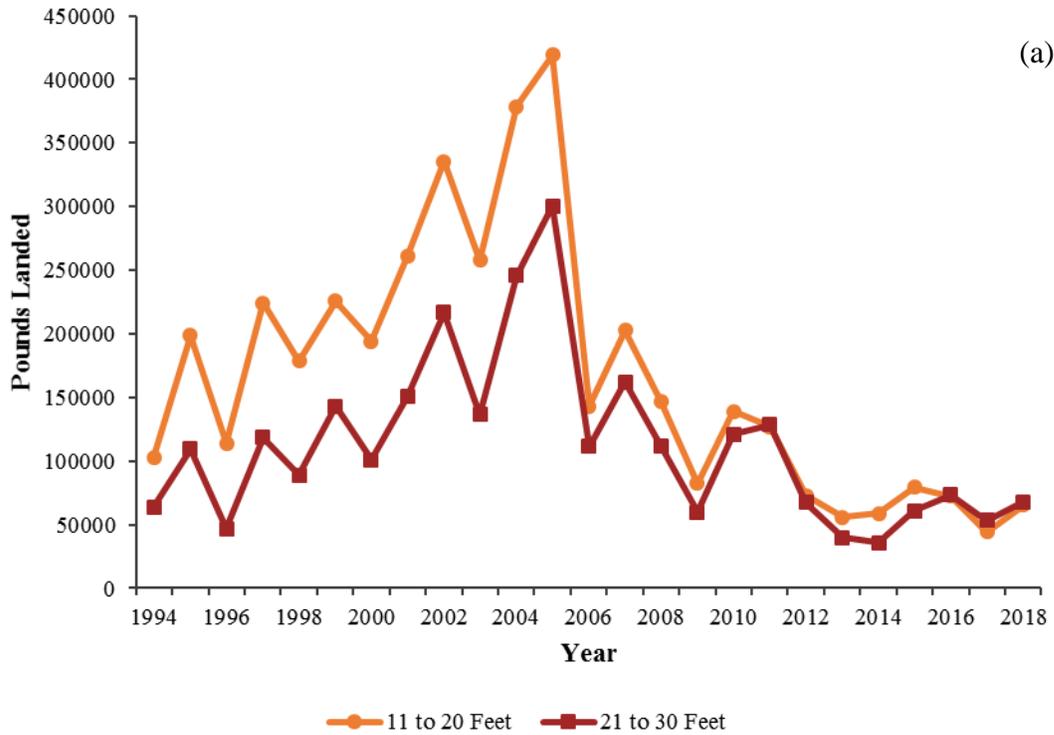


Figure 3.56. Annual landings of Striped Bass by vessel size, (a) and (b), 1994 to 2018.

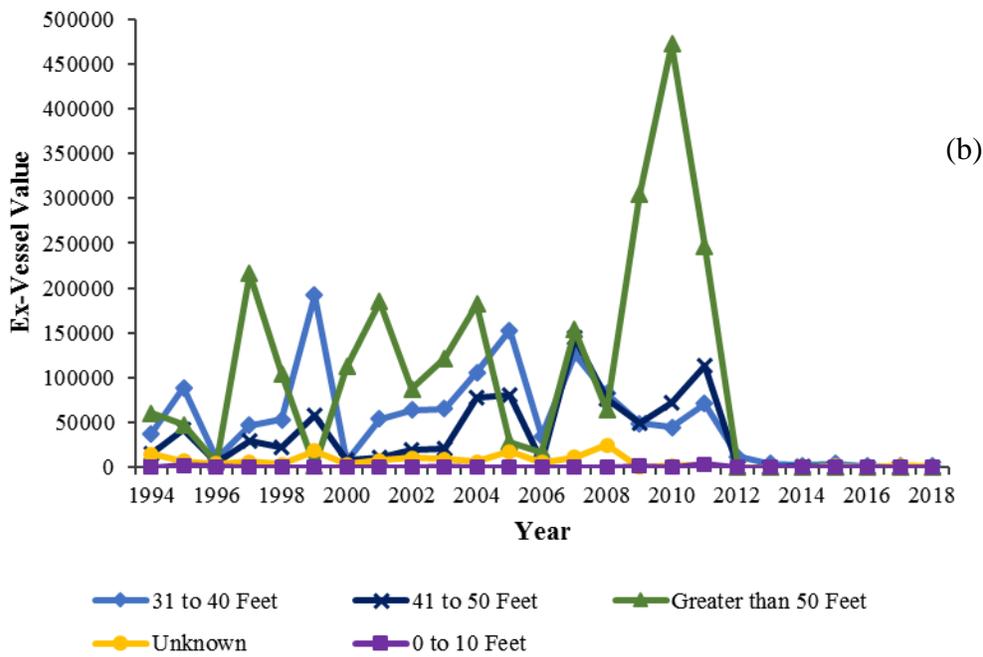
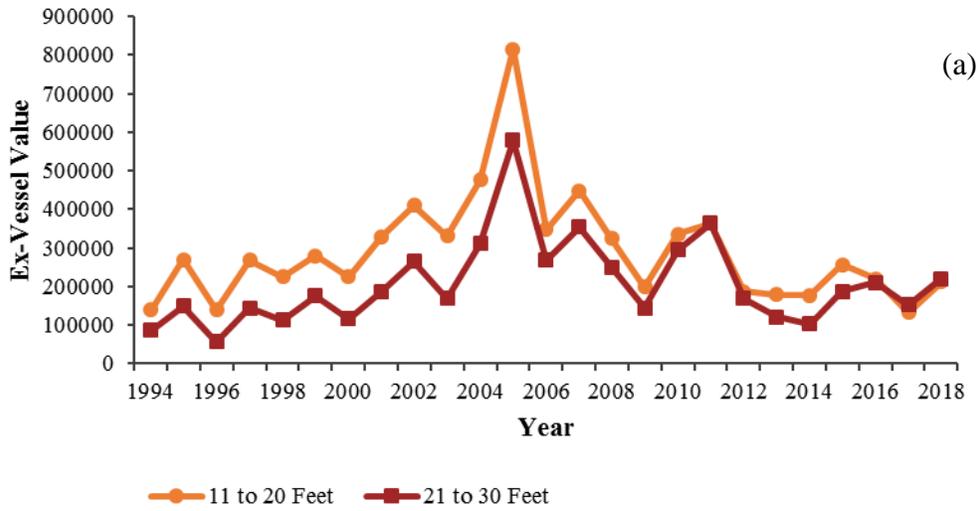


Figure 3.57. Annual ex-vessel value of Striped Bass by vessel size, (a) and (b), 1994 to 2018.

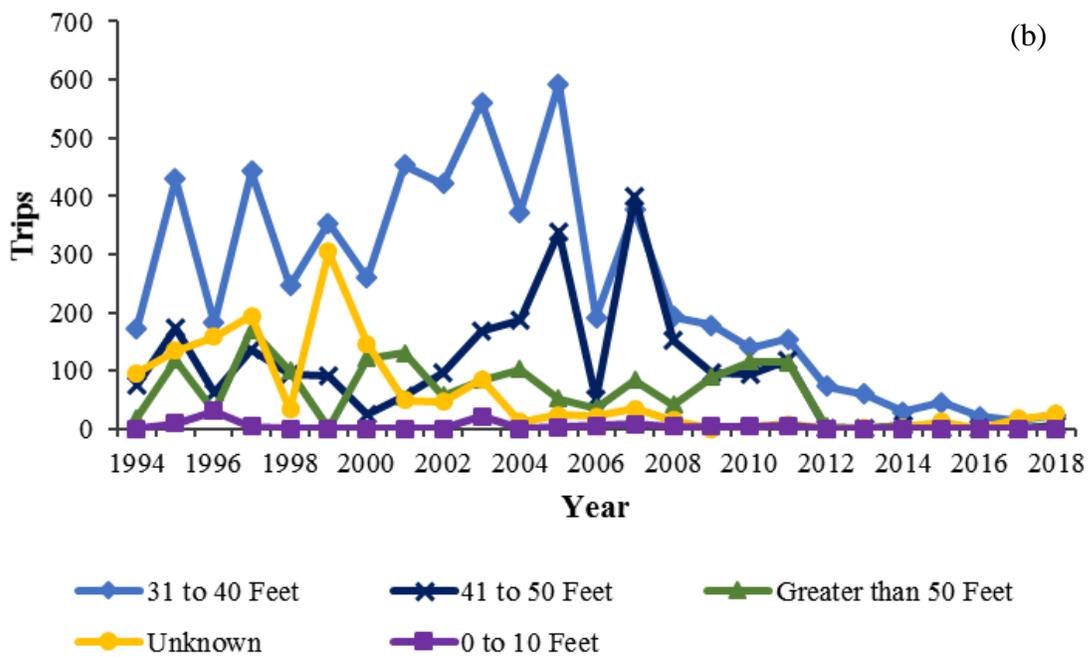
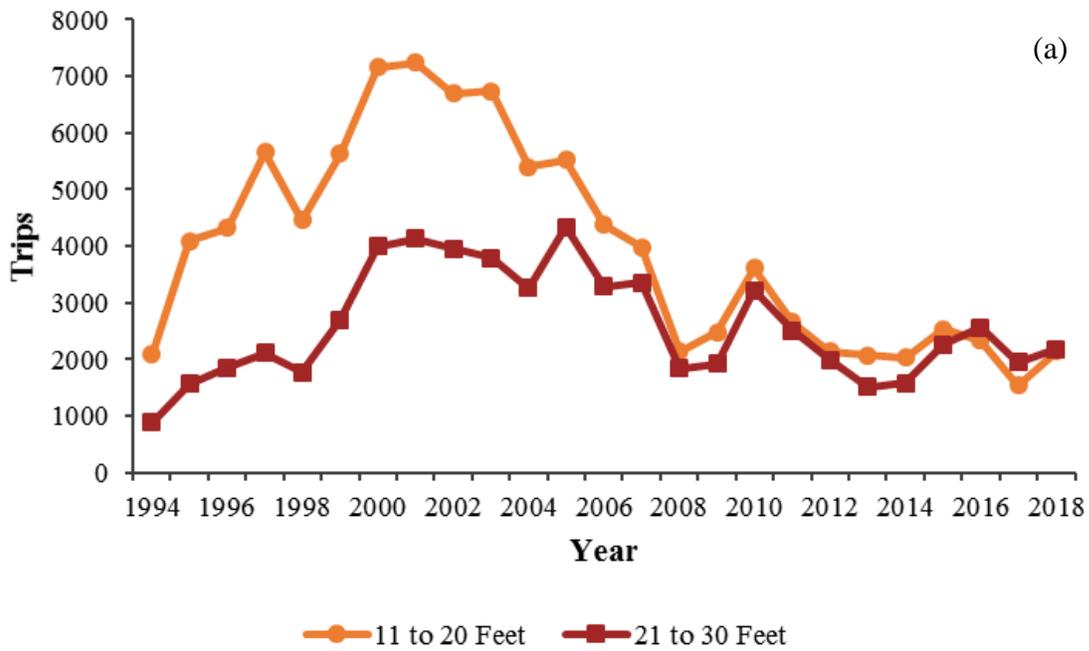


Figure 3.58. Annual number of trips for Striped Bass by vessel size, (a) and (b), from 1994 to 2018.

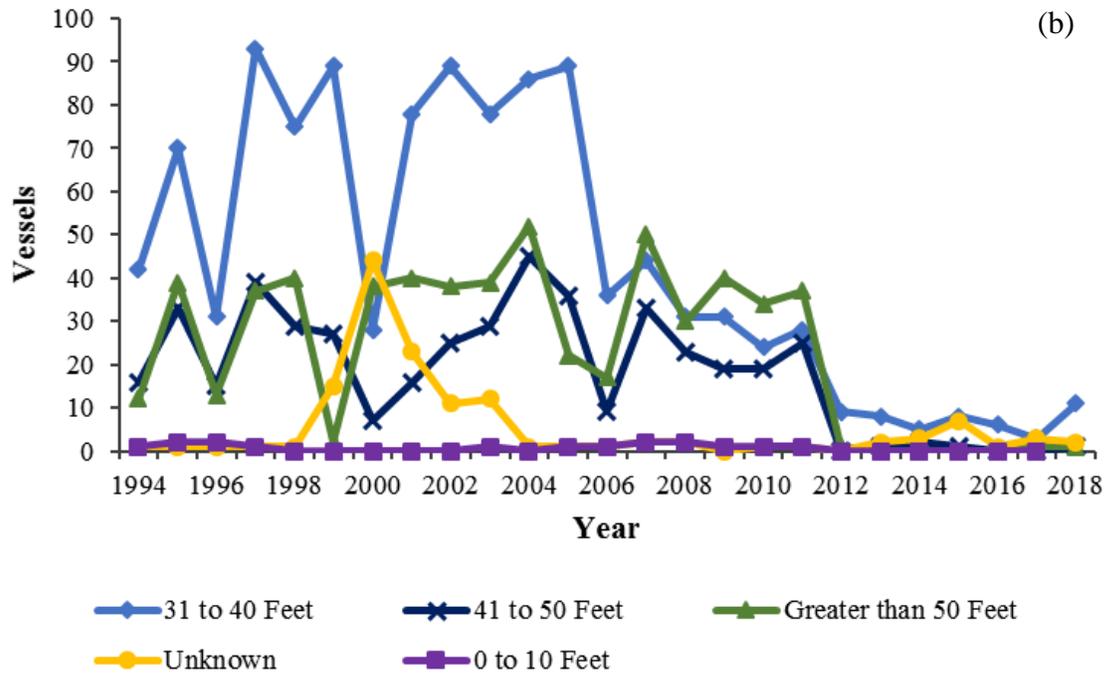
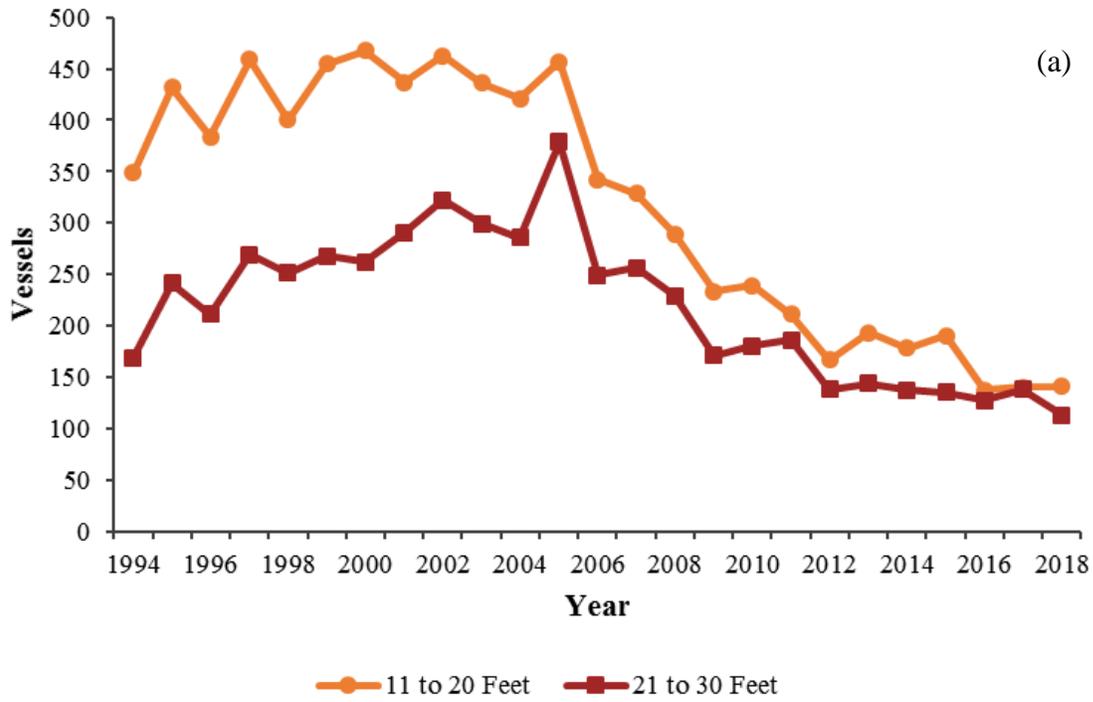


Figure 3.59. Annual number of vessels landing Striped Bass by vessel size, (a) and (b), from 1994 to 2018.

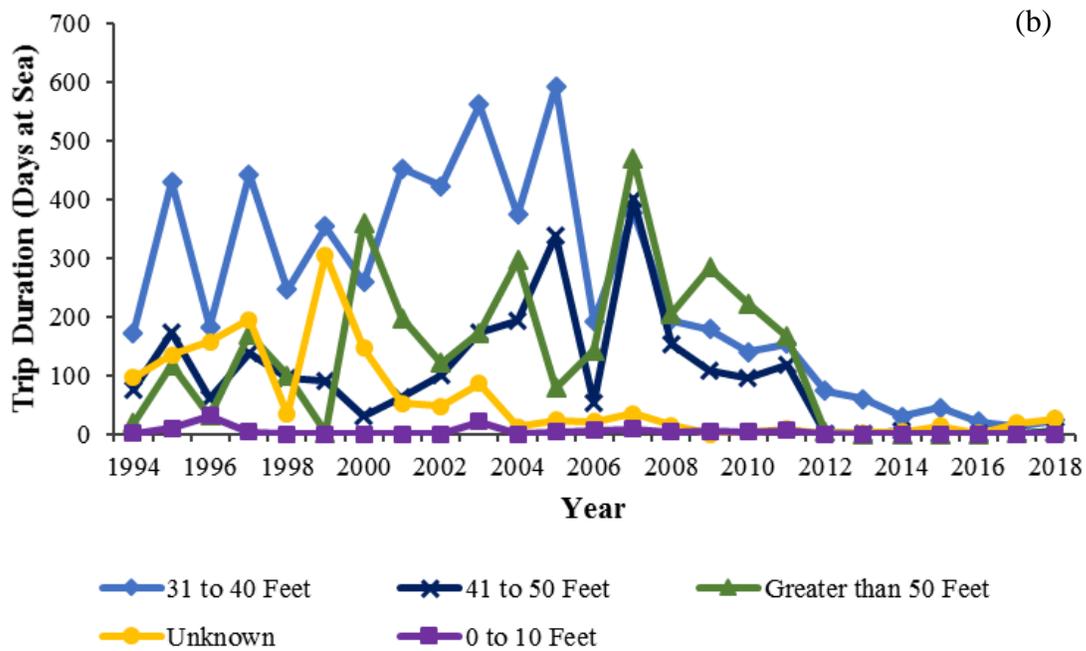
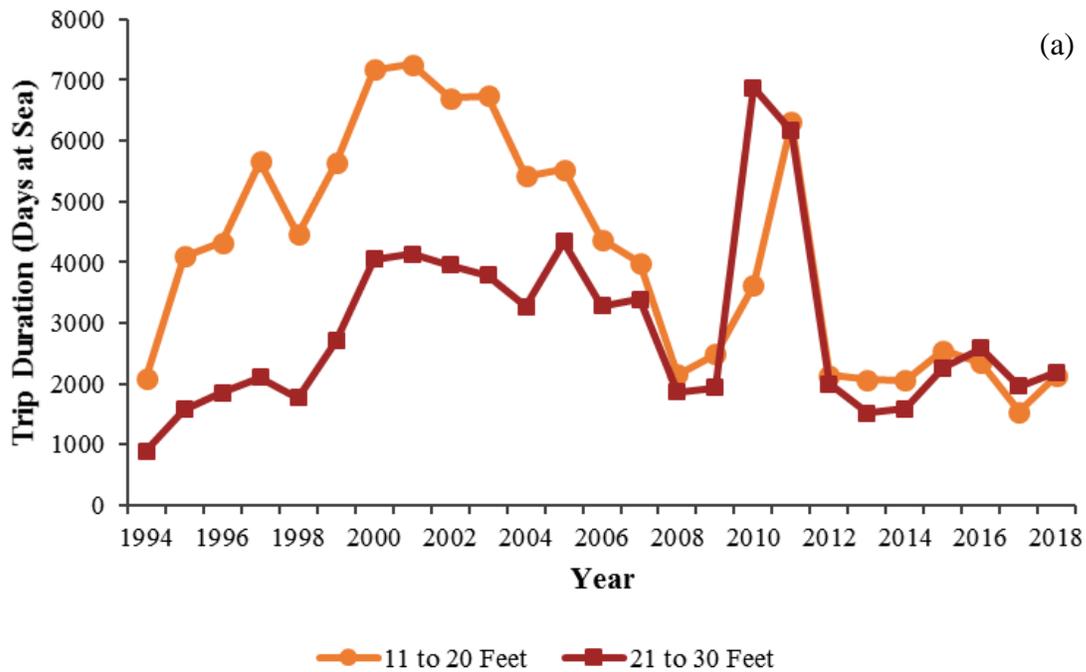


Figure 3.60. Annual trip duration (a) and (b) for Striped Bass from 1994 to 2018.

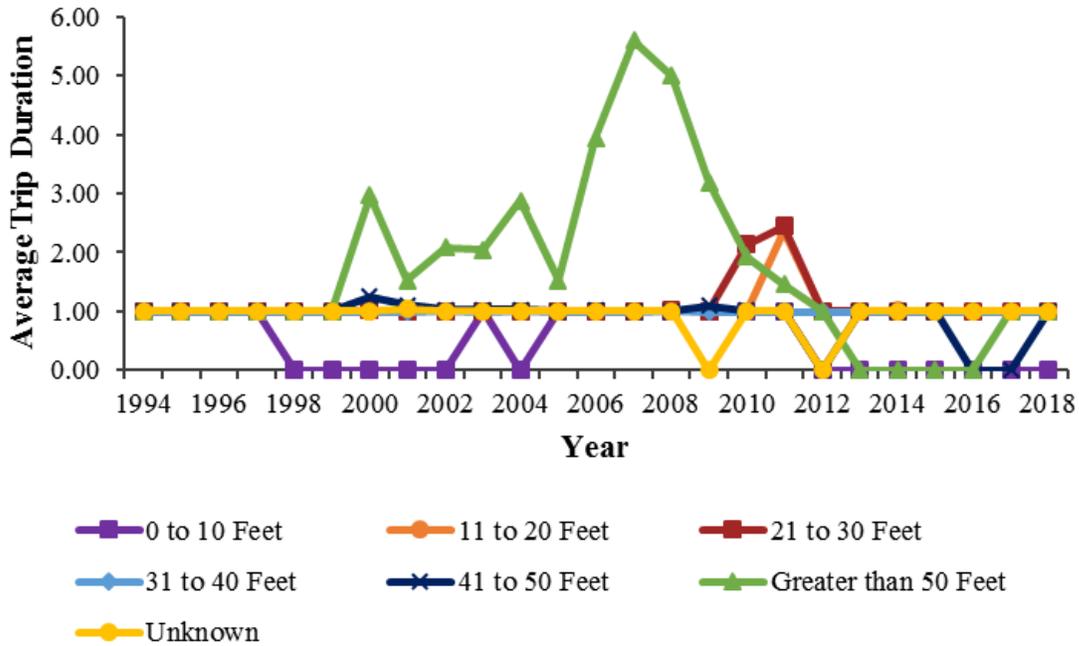


Figure 3.61. Annual average trip duration for Striped Bass by vessel size from 1994 to 2018.

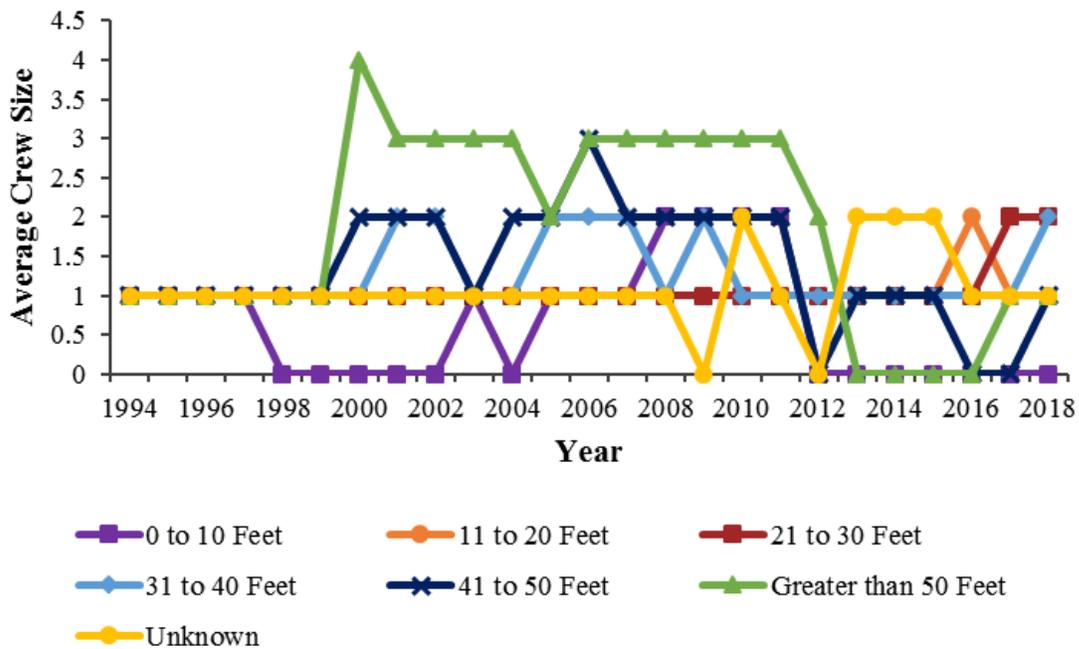


Figure 3.62. Annual average crew size for Striped Bass by vessel size from 1994 to 2018.

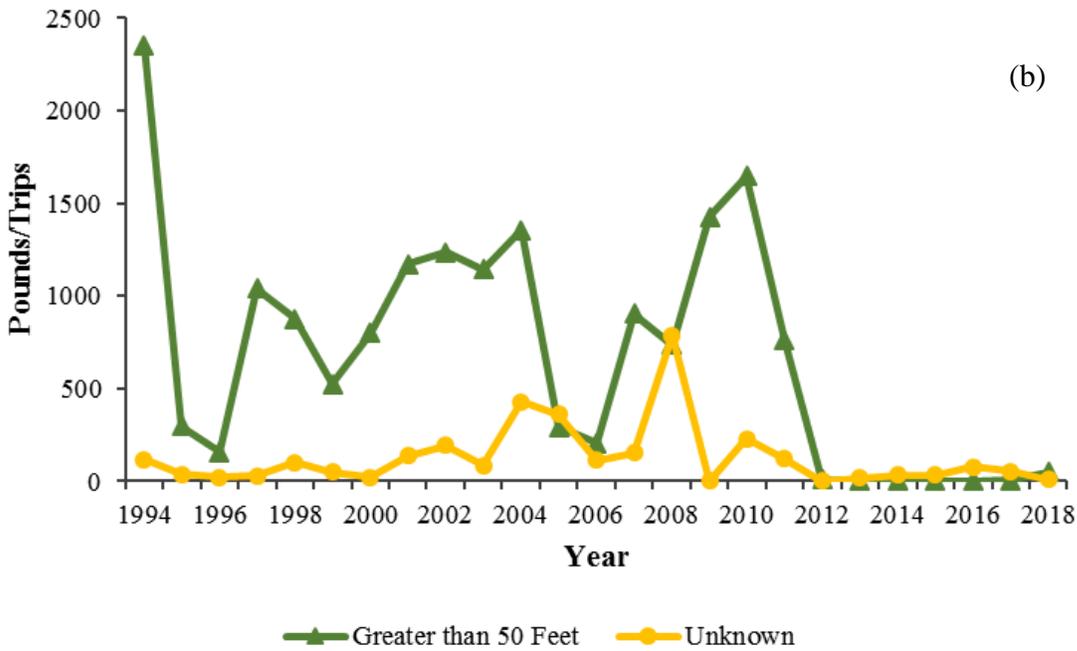
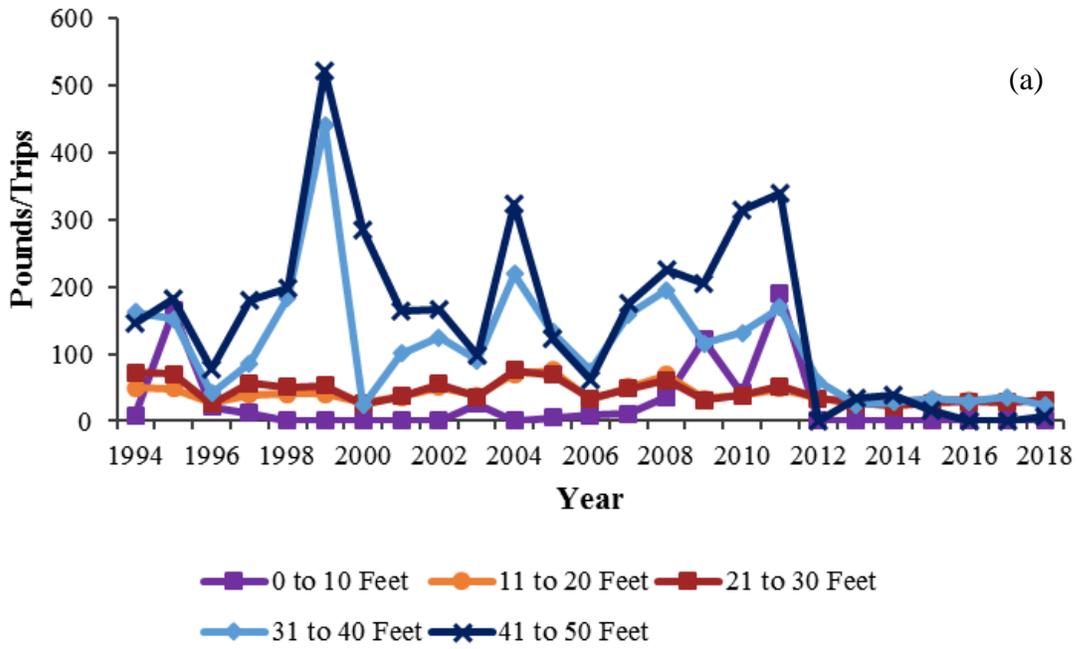


Figure 3.63. Annual pounds per trip for Striped Bass by vessel size, (a) and (b), 1994 to 2018.

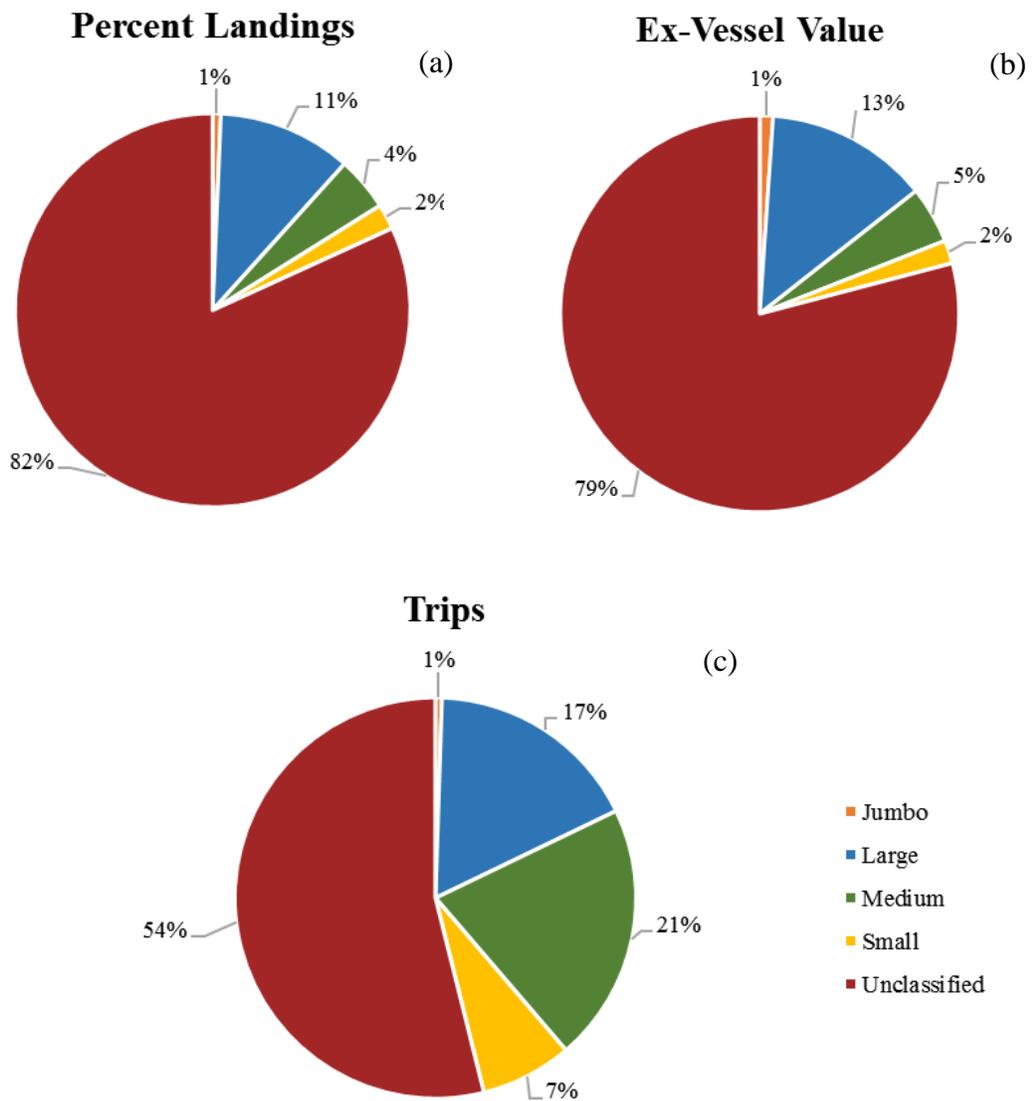


Figure 3.64. Percent of Striped Bass landings (a), ex-vessel value (b), and trips (c) by market grade, 1994 to 2018.

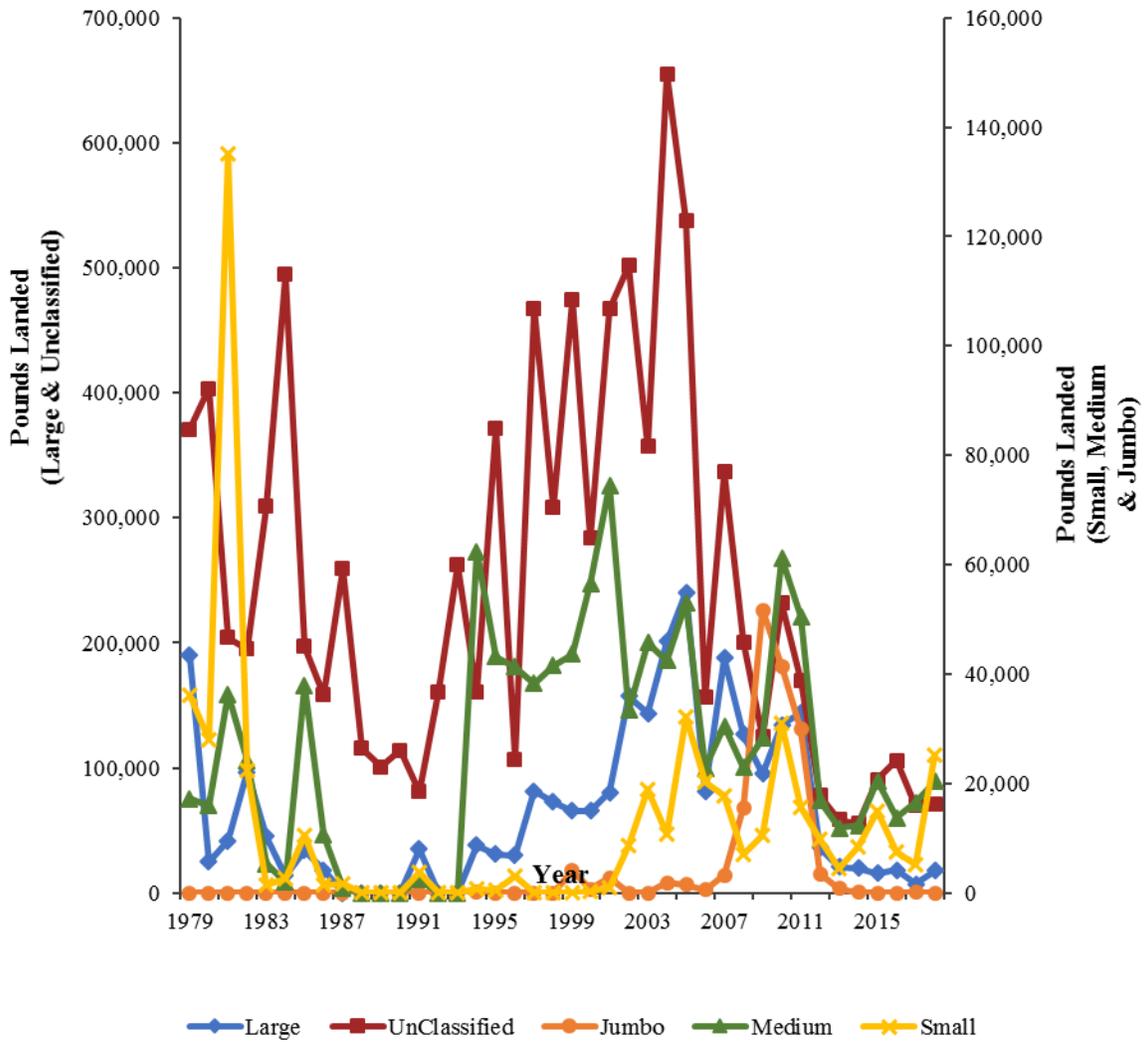


Figure 3.65. Annual landings of Striped Bass by market grade, 1994 to 2018.

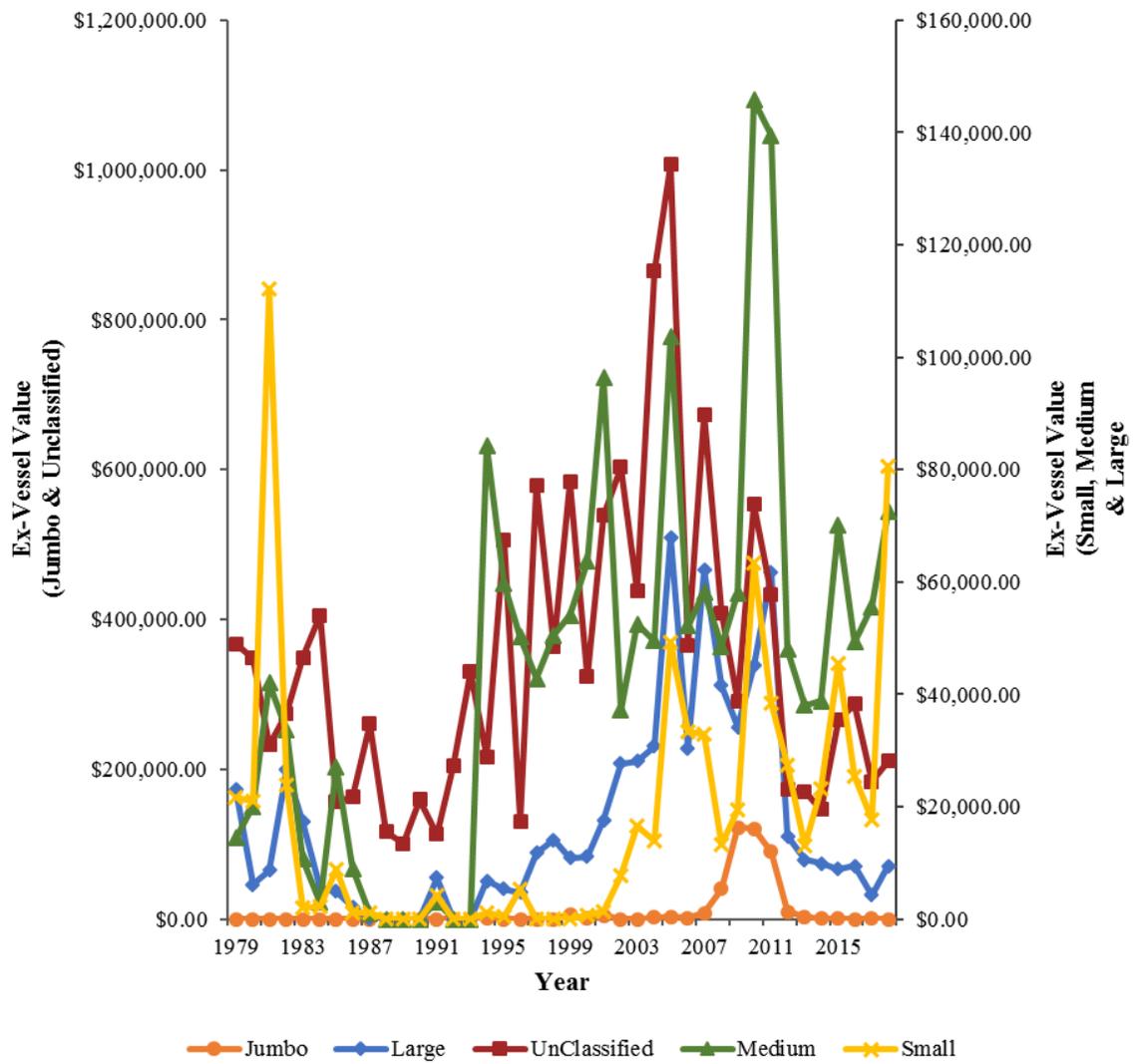


Figure 3.66. Annual ex-vessel value of Striped Bass by market grade, 1994 to 2018.

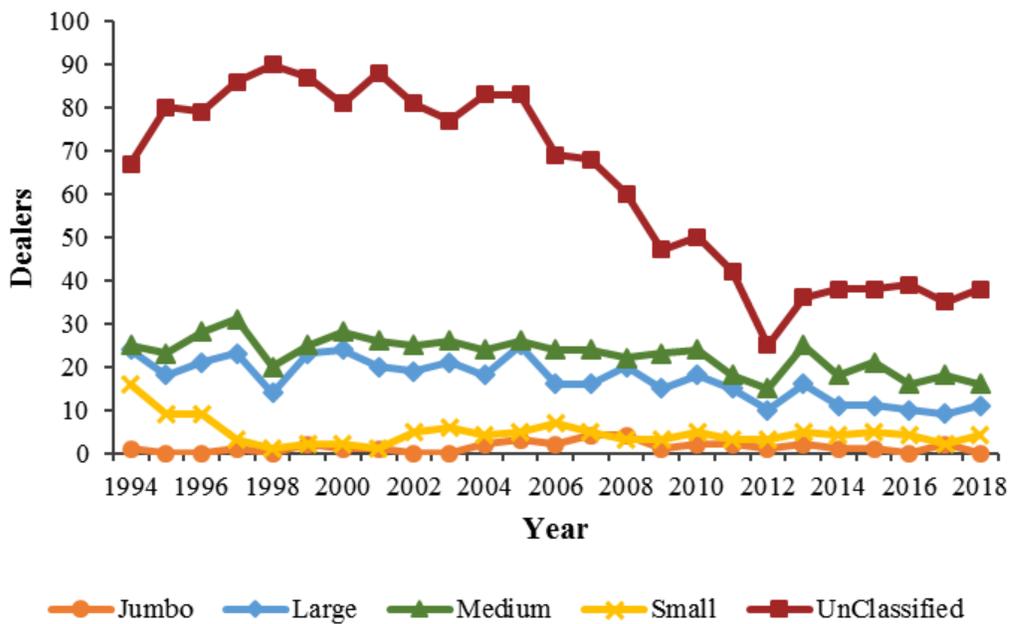


Figure 3.67. Annual dealers for Striped Bass by market grade, 1994 to 2018.

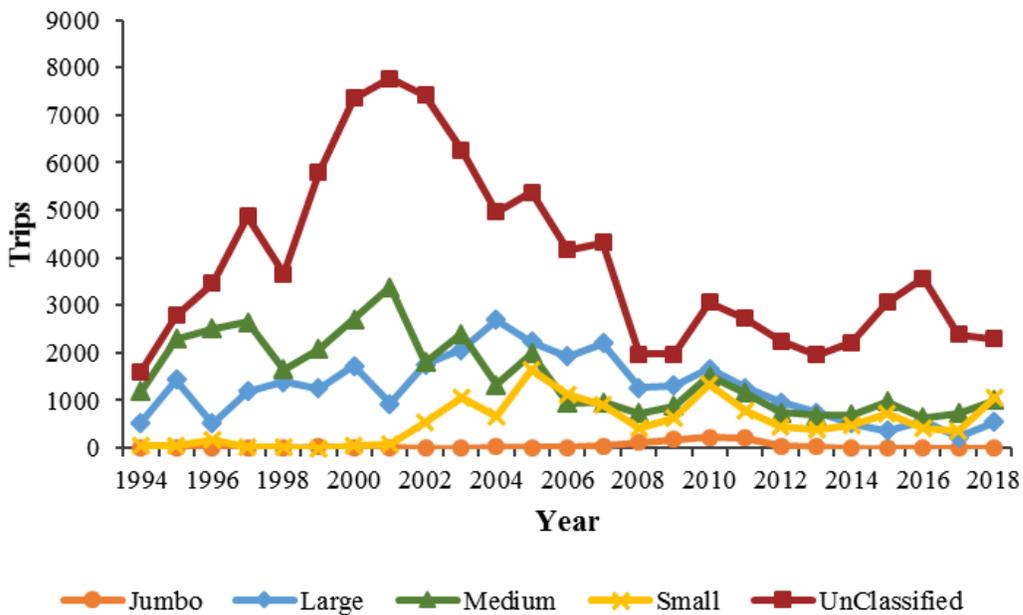


Figure 3.68. Annual trips for Striped Bass by market grade, 1994 to 2018

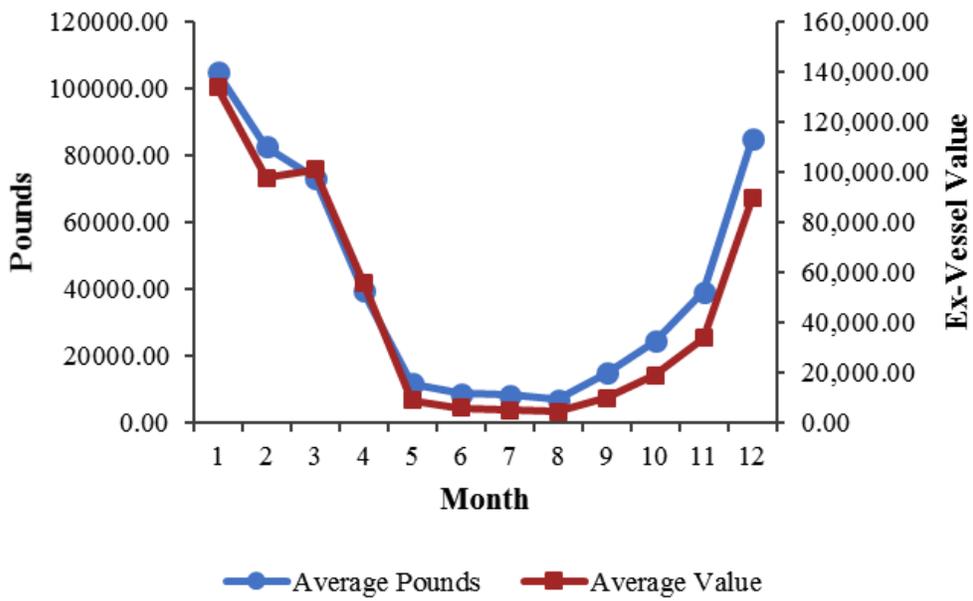


Figure 3.69. Average landing and ex-vessel value for Striped Bass by month, 1994 to 2018.

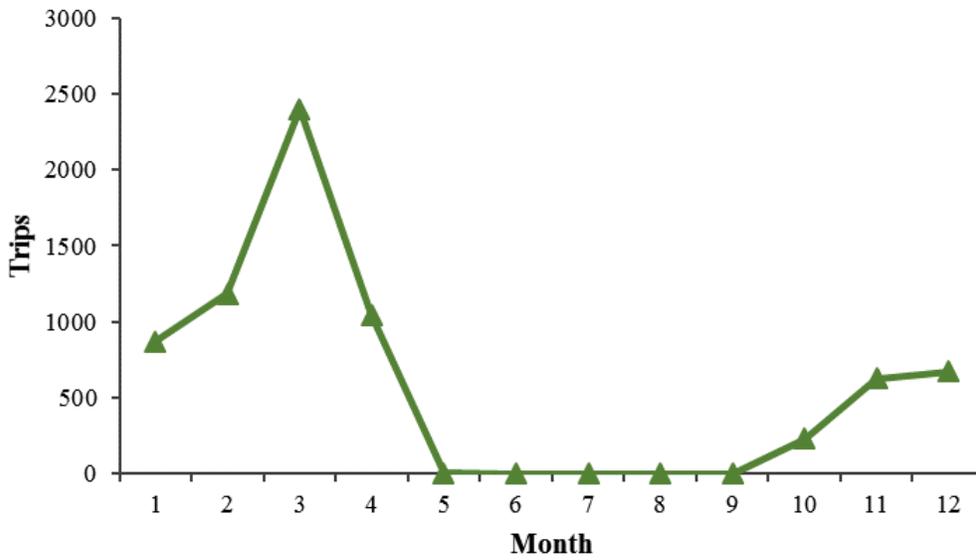


Figure 3.70. Average number of trips for Striped Bass by month, 1994 to 2018.

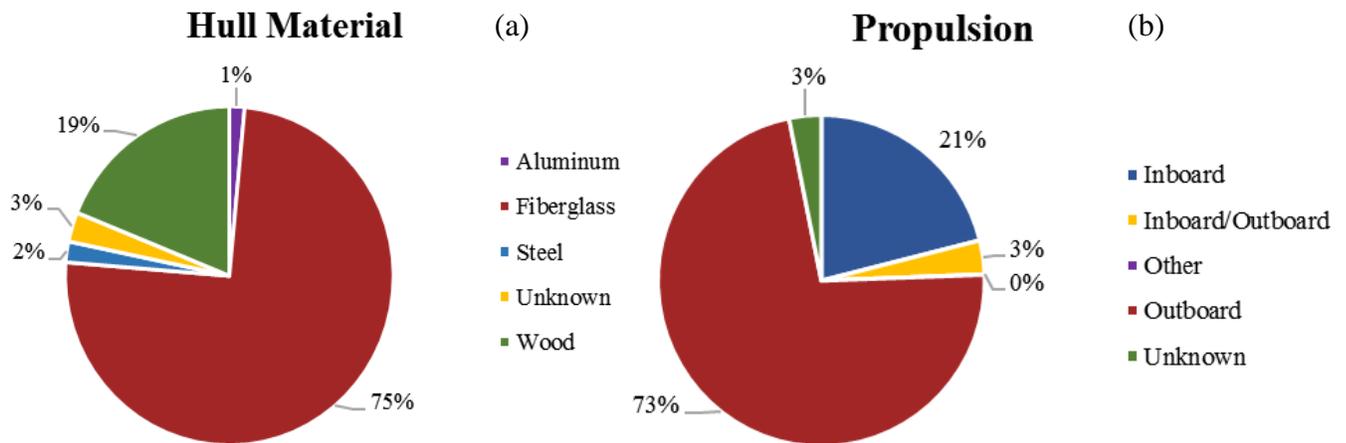


Figure 3.71. Percent hull materials (a) and propulsion type (b) of vessels used for Striped Bass, 1994 to 2018.

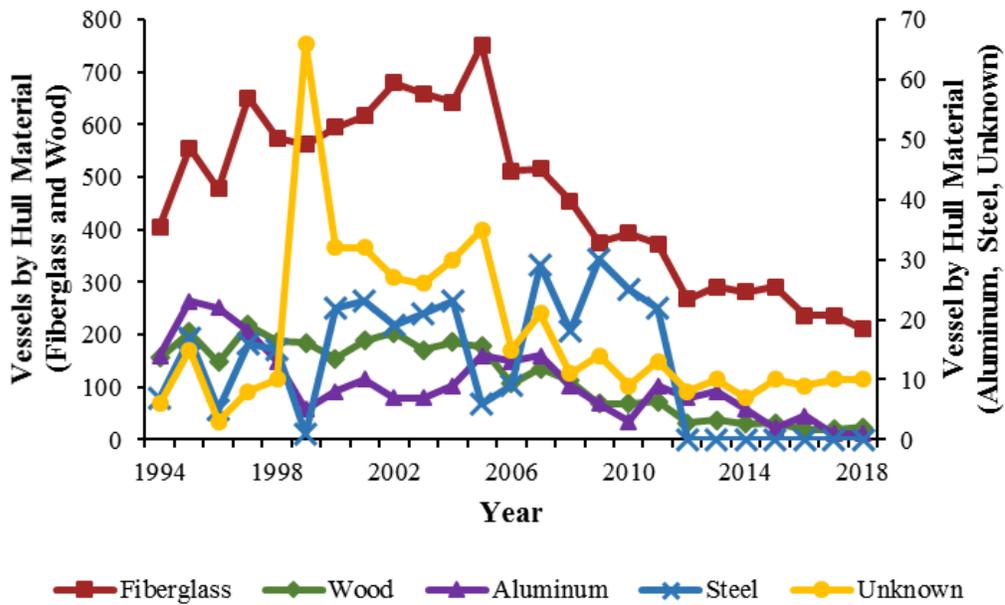


Figure 3.72. Annual vessels used for Striped Bass by hull material, 1994 to 2018.

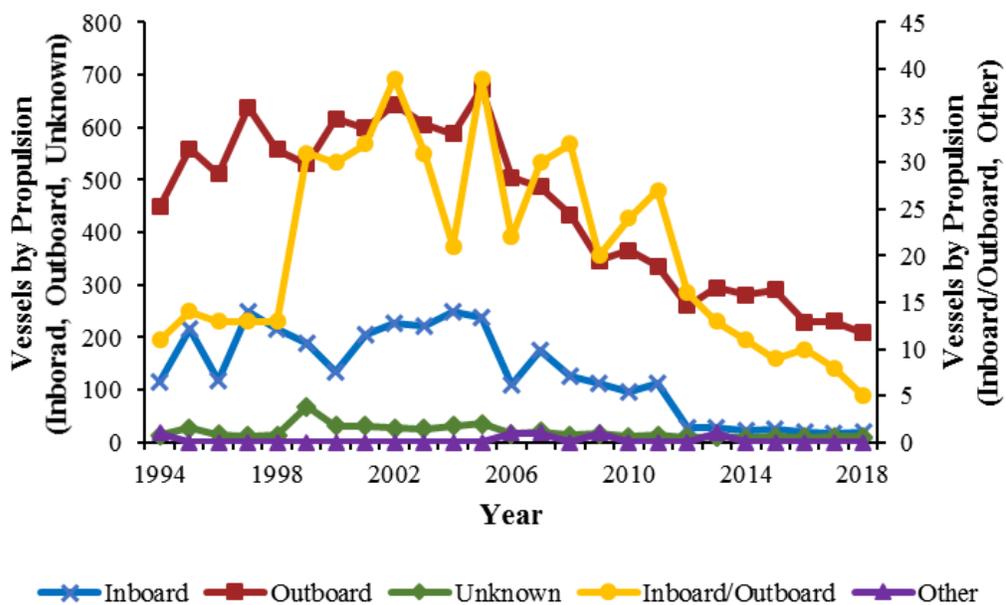


Figure 3.73. Annual vessels used for Striped Bass by propulsion type, 1994 to 2018.

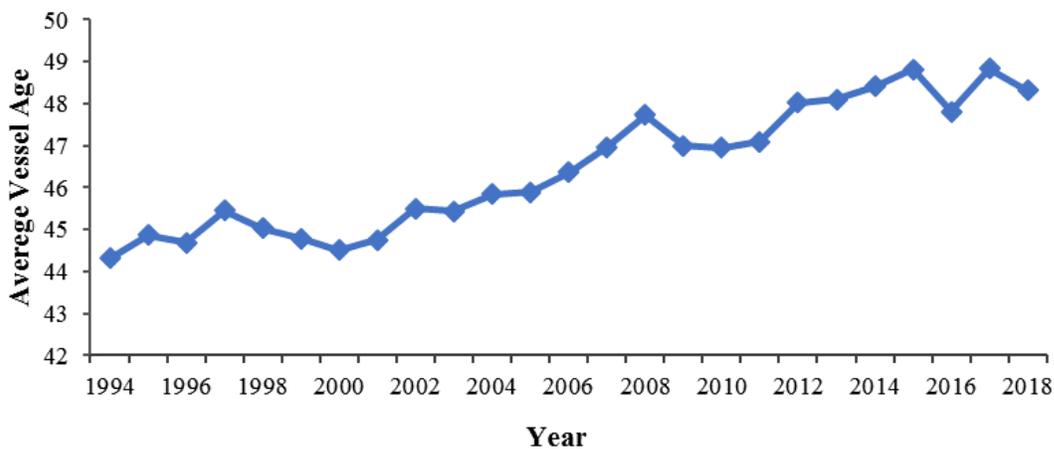


Figure 3.74. Annual average vessel age for Striped Bass, 1994 to 2018.

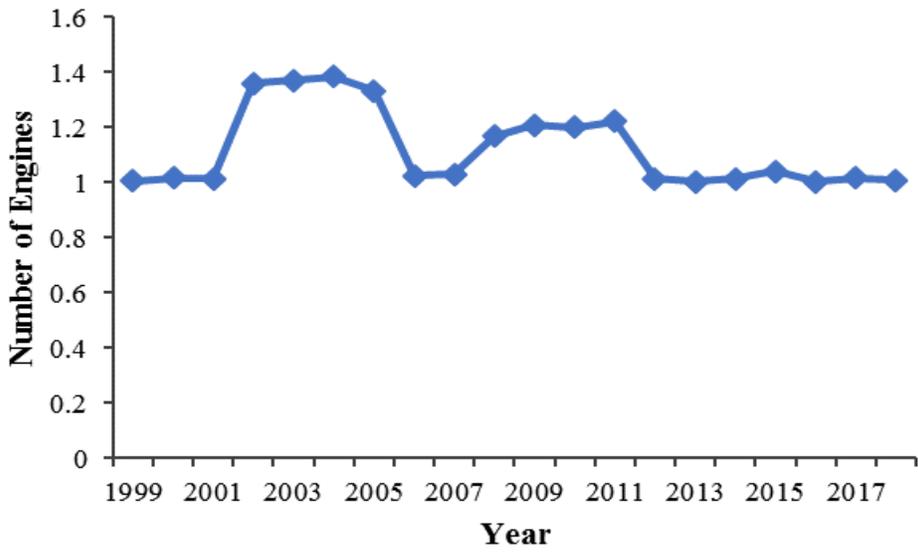


Figure 3.75. Annual average number of engines for vessels landing Striped Bass, 1999 to 2018.

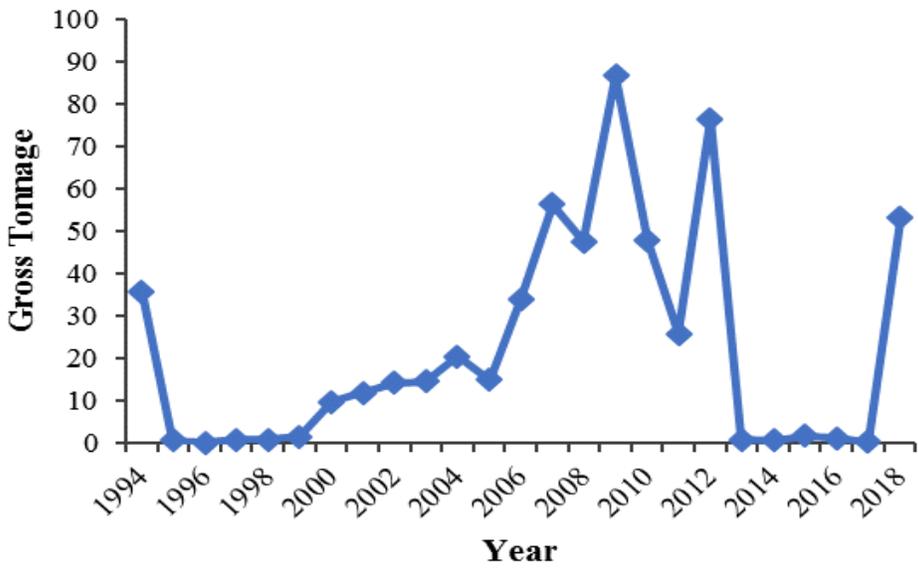


Figure 3.76. Annual gross tonnage of vessels landing Striped Bass, 1994 to 2018.

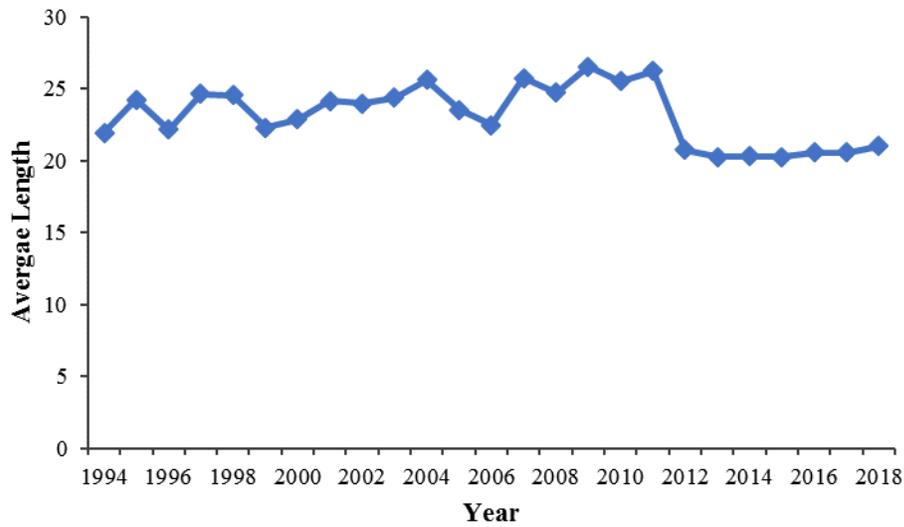


Figure 3.77. Annual average length of vessels in the commercial Striped Bass fishery, 1994 to 2018.

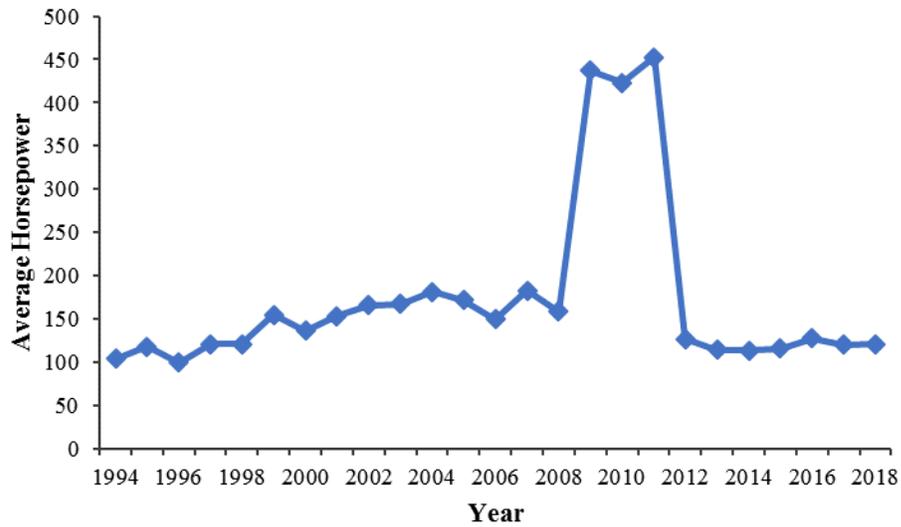


Figure 3.78. Annual average horsepower of vessels for Striped Bass, 1994 to 2018.

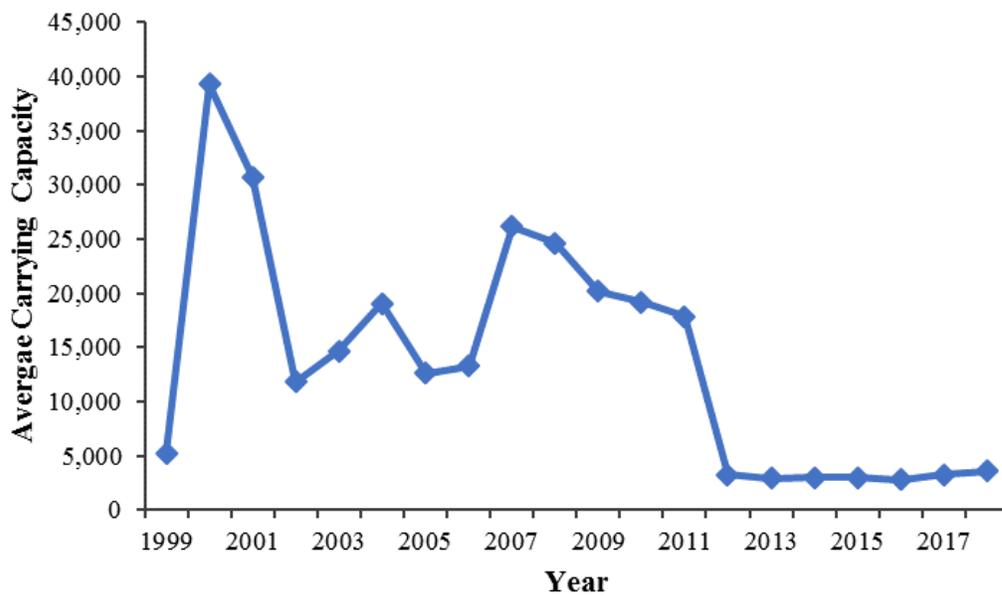


Figure 3.79. Annual average carrying capacity of vessels for Striped Bass, 1999 to 2018.

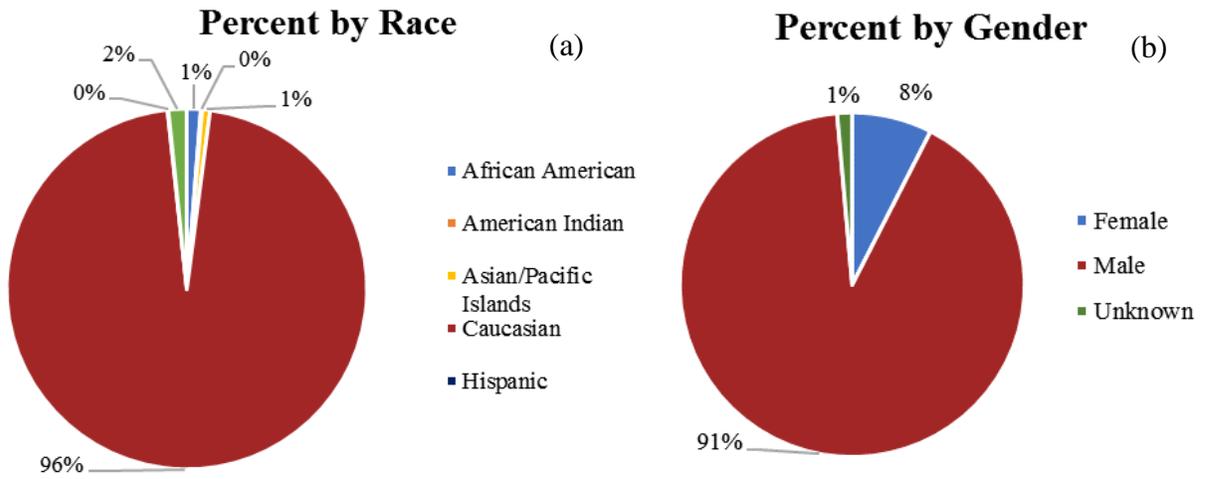


Figure 3.80. Percent race (a) and gender (b) of participants for Striped Bass, 1994 to 2018.

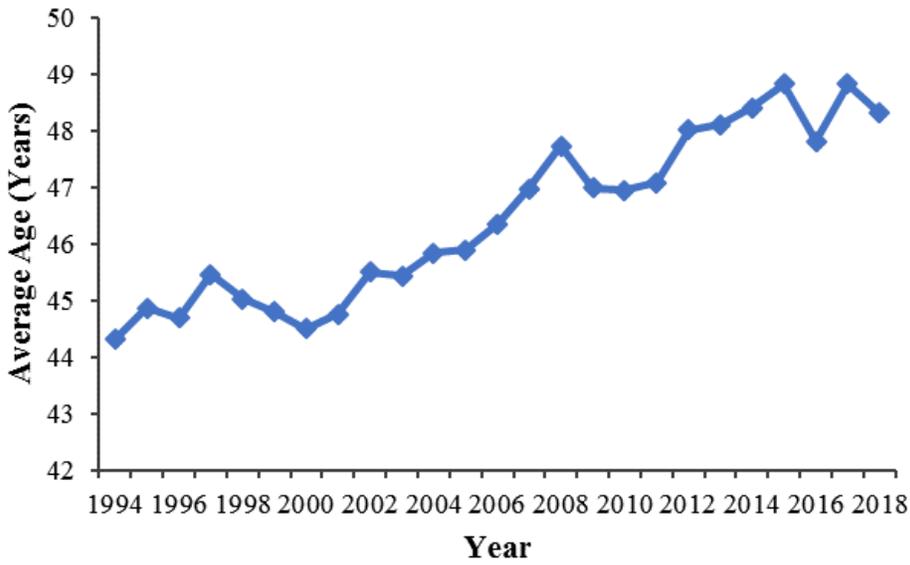


Figure 3.81. Annual average age of participants for Striped Bass, 1994 to 2018.

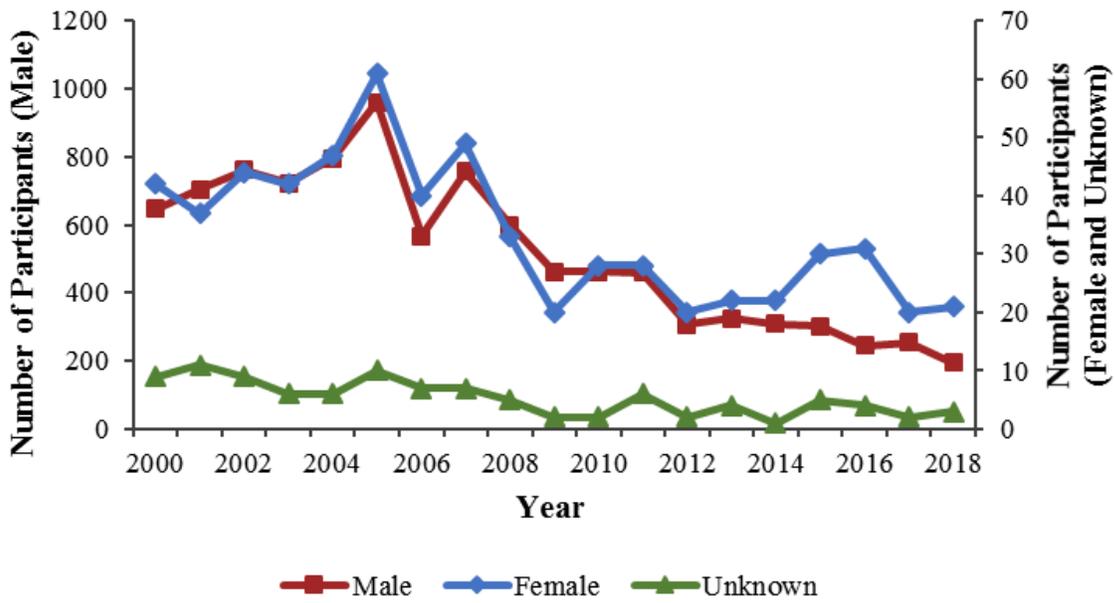


Figure 3.82. Annual number of participants for Striped Bass by gender, 2000 to 2018.

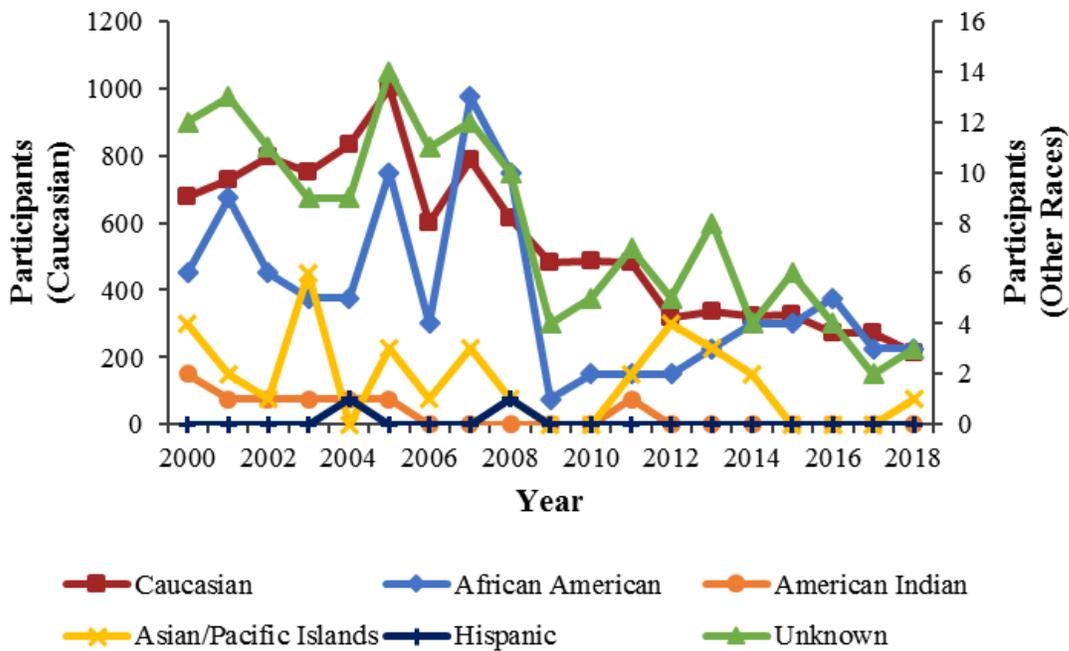


Figure 3.83. Annual number of participants for Striped Bass by race, 2000 to 2018.

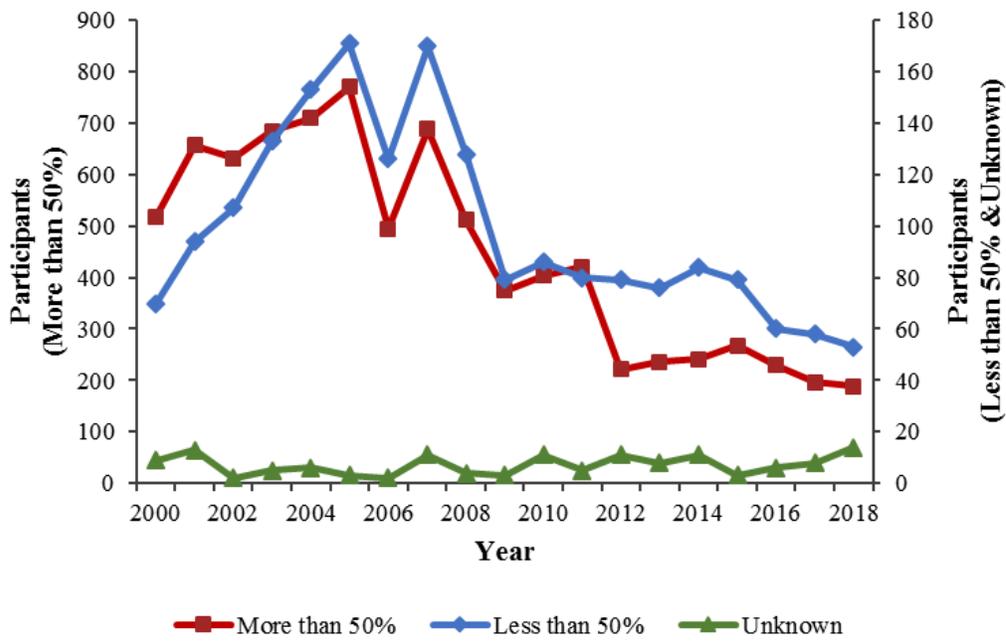


Figure 3.84. Annual response of participants reporting in the economic survey, 2000 to 2018.

8 APPENDIX A

Table A.1: Mean proportions and standard deviations of pounds and values used from 1962 to 1966 to estimate gear type by area for Striped Bass landings from 1887 to 1950.

Area	Gear Type	Mean Proportion Pounds	Mean Proportion Value	Standard Deviation Pounds	Standard Deviation Value
ASMA	Gill Net	0.9073	0.9069	0.0282	0.0287
ASMA	Haul Seine	0.3511	0.3577	0.1124	0.1080
ASMA	Other	0.9710	0.9730		
ASMA	Pound Net	0.7932	0.7946	0.0592	0.0602
CSMA	Gill Net	0.0925	0.0928	0.0279	0.0283
CSMA	Haul Seine	0.0497	0.0503	0.0338	0.0335
CSMA	Other	0.0290	0.0270		
CSMA	Pound Net	0.2068	0.2054	0.0592	0.0602
Ocean	Gill Net	0.0002	0.0002	0.0005	0.0005
Ocean	Haul Seine	0.5992	0.5920	0.0827	0.0776
Ocean	Other	0.0000	0.0000		
Ocean	Pound Net	0.0000	0.0000	0.0000	0.0000

Table A.2: Mean proportions and standard deviations of pounds and values used from 1962 to 1966 to estimate landings by waterbody for Striped Bass from 1887 to 1950.

Area	Waterbody	Mean Proportion Pounds	Mean Proportion Value	Standard Deviation Pounds	Standard Deviation Value
ASMA	Albemarle Sound	0.7235	0.7230	0.0900	0.0903
ASMA	Alligator River	0.0113	0.0113	0.0253	0.0254
ASMA	Chowan River	0.0717	0.0718	0.0539	0.0542
ASMA	Croatan Sound	0.0239	0.0237	0.0098	0.0099
ASMA	Currituck Sound	0.0647	0.0645	0.0223	0.0225
ASMA	North River (Currituck Co.)	0.0053	0.0054	0.0118	0.0120
ASMA	Pasquotank River	0.0282	0.0285	0.0303	0.0306
ASMA	Perquimans River	0.0475	0.0479	0.0351	0.0354
ASMA	Roanoke River	0.0131	0.0132	0.0191	0.0193
ASMA	Roanoke Sound	0.0108	0.0107	0.0117	0.0116
CSMA	Cape Fear River	0.0146	0.0144	0.0047	0.0044
CSMA	Neuse River	0.1628	0.1627	0.1240	0.1243
CSMA	New River	0.0005	0.0006	0.0012	0.0014
CSMA	Pamlico and Pungo Rivers	0.5181	0.5206	0.0981	0.1015
CSMA	Pamlico Sound	0.3040	0.3017	0.0536	0.0528

Table A.3: Mean proportions and standard deviation of pounds and values used from 1962 to 1966 to estimate Striped Bass landings by county from 1950 to 1961.

County	Mean Proportion Pounds	Mean Proportion Value	Standard Deviation Pounds	Standard Deviation Value
Beaufort	0.0600	0.0602	0.0192	0.0194
Bertie	0.0071	0.0071	0.0026	0.0026
Brunswick	0.0001	0.0001	0.0002	0.0002
Camden	0.0394	0.0397	0.0281	0.0281
Carteret	0.0095	0.0096	0.0081	0.0083
Chowan	0.1820	0.1835	0.1156	0.1164
Craven	0.0034	0.0034	0.0018	0.0019
Currituck	0.0939	0.0943	0.0357	0.0366
Dare	0.2184	0.2150	0.0763	0.0778
Herford	0.0005	0.0005	0.0006	0.0006
Hyde	0.0005	0.0006	0.0005	0.0005
Martin	0.0007	0.0007	0.0011	0.0011
New Hanover	0.0016	0.0016	0.0007	0.0007
Pamlico	0.0050	0.0050	0.0067	0.0068
Pasquotank	0.1591	0.1607	0.0461	0.0465
Pender	0.0000	0.0000	0.0001	0.0001
Perquimans	0.0285	0.0288	0.0181	0.0184
Tyrrell	0.1809	0.1800	0.0232	0.0209
Washington	0.0092	0.0093	0.0052	0.0053

Table A.4: Mean proportions and standard deviations of pounds and values used from 1962 to 1966 to estimate landings of Striped Bass by district from 1950 to 1961.

District	Mean Proportion Pounds	Mean Proportion Value	Standard Deviation Pounds	Standard Deviation Value
Central	0.0179	0.0180	0.0143	0.0144
Northern	0.9804	0.9804	0.0142	0.0143
Southern	0.0017	0.0017	0.0007	0.0007

Table A.5: Mean proportions and standard deviations of pounds and values used from 1971 to 1975 to estimate landings of Striped Bass by county for 1969 and 1970.

County	Mean Proportion Pounds	Mean Proportion Value	Standard Deviation Pounds	Standard Deviation Value
Beaufort	0.0486	0.0415	0.0256	0.0150
Bertie	0.0053	0.0044	0.0048	0.0034
Brunswick	0.0003	0.0001	0.0008	0.0003
Camden	0.0000	0.0000	0.0000	0.0000
Carteret	0.0282	0.0300	0.0302	0.0346
Chowan	0.0973	0.0900	0.0266	0.0203
Craven	0.0001	0.0001	0.0001	0.0001
Currituck	0.0514	0.0544	0.0444	0.0495
Dare	0.5958	0.6282	0.1596	0.1266
Hertford	0.0000	0.0000	0.0000	0.0000
Hyde	0.0041	0.0035	0.0040	0.0030
Martin	0.0049	0.0047	0.0069	0.0064
New Hanover	0.0012	0.0012	0.0006	0.0007
Pamlico	0.0038	0.0031	0.0020	0.0015
Pasquotank	0.0362	0.0290	0.0303	0.0209
Pender	0.0001	0.0001	0.0001	0.0002
Perquimans	0.0000	0.0000	0.0000	0.0000
Tyrrell	0.0952	0.0860	0.0309	0.0306
Washington	0.0273	0.0236	0.0218	0.0178

Table A.6: Mean proportions and standard deviations of pounds and values used from 1971 to 1975 to estimate landings of Striped Bass by district for 1969 and 1970.

District	Mean Proportion Pounds	Mean Proportion Value	Standard Deviation Pounds	Standard Deviation Value
Central	0.0321	0.0331	0.0320	0.0358
Northern	0.9663	0.9654	0.0325	0.0357
Southern	0.0017	0.0015	0.0009	0.0007

Table A.7: Dealer city groupings into port categories.

Port Grouping	Included cities
Edenton Area	Edenton, Tyner, Hertford, Belvidere, Columbia, Plymouth, Roper
Elizabeth City Area	Elizabeth City, Shiloh, Corolla, Currituck Coinjock, Knotts Island, Powell's Point, Point Harbor, Barco, Shawboro, Moyock, Grandy
Engelhard/Swan Quarter	Engelhard, Swan Quarter
Hatteras Area	Hatteras, Avon, Frisco, Rodanthe, Buxton
New Bern/Beaufort/Down East	New Bern, Beaufort, Morehead City, Havelock, Newport and Down East communities of: Davis, Atlantic, Gloucester, Harkers Island, Sea Level, Salter Path, Stacy, Cedar Island
Ocracoke	Ocracoke
Pamlico/Beaufort and Northern Craven Counties	Oriental, Hobucken, Aurora, Bath, Bayboro, Lowland, Washington, Pantego, Belhaven, Merritt, Blount's Creek, Arapahoe, Chocowinity, Grantsboro, Vandemere, Vanceboro
Wanchese Area	Wanchese, Manteo, Kill Devil Hills, Nags Head, Kitty Hawk
Wilmington Area	Wilmington, Leland, Carolina Beach, Hampstead, Shallotte, Riegelwood
Other	Other