STATISTICS

OF THE

FISHERIES OF THE SOUTH ATLANTIC STATES.

PREPARED IN THE DIVISION OF STATISTICS AND METHODS OF THE FISHERIES, UNITED STATES FISH COMMISSION.

C. H. TOWNSEND, ASSISTANT IN CHARGE.

INTRODUCTORY NOTE.

The accompanying statistical report on the fisheries of the South Atlantic States is based on investigations made by agents of the United States Fish Commission in 1898, the information relating to the year 1897. The general results of this work were made public in the report of the Division of Fisheries for 1898, and were also presented earlier and in more condensed form in Statistical Bulletin No. 9. Single sheet statistical bulletins are usually issued upon the completion of field work, and distributed in the fishery region to which they refer, in advance of the regular reports of the Commission. The information collected during this canvass is here presented in full, the results having been tabulated and the various features of the fisheries shown in detail.

The report has been prepared under the direction of Mr. C. H. Townsend, assistant in charge of the Division of Fisheries. The field inquiries were conducted by Messrs. W. A. Wilcox, T. M. Cogswell, and John N. Cobb, agents of the division, to whom should be credited the explanatory notes relating to the States in which they worked. The fisheries of North Carolina were canvassed by Messrs. Cogswell and Cobb; those of South Carolina and Georgia by Mr. Wilcox, and of eastern Florida by Mr. Cobb.

The assistant in charge has had the constant aid of Mr. S. Le R. Pritchard and other members of the office force of the division in the preparation of the tables.

GEO. M. BOWERS,

Commissioner.

STATISTICS OF THE FISHERIES OF THE SOUTH ATLANTIC STATES.

GENERAL NOTES AND STATISTICS.

The condition of the commercial fisheries of this region, as shown in the following report, has not changed to any marked degree since they were canvassed in 1890. Although there has been a general increase in respect to persons employed, capital invested, and value of products, the development of the fisheries is not yet proportionate to the important fishery resources of the States considered. The region, as a whole, with its numerous rivers and extensive sounds, is destined to maintain greater fishery industries.

The investigations were confined to the coastal waters and to the lower courses of the rivers as far inland as commercial fisheries are maintained.

The table on pp. 176-177 gives general comparisons with former canvasses made in 1880 and 1890. Comparisons in detail may be made by consulting previous statistical publications* of the United States Fish Commission on this subject.

The tables on pp. 174-175 show, by States, the condition of the fisheries of the South Atlantic States in 1897. The capital invested in the fisheries of this region amounted to \$1,828,832. Of this amount \$1,218,459 is credited to North Carolina, \$174,354 to South Carolina, \$284,864 to Georgia, and \$151,155 to eastern Florida.

The total number of persons employed was 17,185, of which number 14.449 were fishermen and 2,736 shoresmen. In the North Carolina fisheries alone 12,045 were employed; in South Carolina, 2,139; and in Georgia, 1,869. The fishermen of the eastern coast of Florida numbered 1,132.

The total number of vessels employed was 243, having a tonnage of 2,790.83, and valued, with their outfit, at \$200,280. The total number

The Fishery Industries of the United States, section 11, Geographical Review of the Fisheries for 1880.

The Fishery Industries of the United States, section v, History and Methods of

the Fisheries. Report on the Fisheries of the South Atlantic States, by Hugh M. Smith, M. D.

Bull. U. S. Fish Com., 1891, pp. 267-356.
 The Fish and Fisheries of the Coastal Waters of Florida. U. S. Fish Commission

Report for 1896, pp. 263-342.

Report on the Fisheries of Indian River, Florida. U. S. Fish Commission Report

for 1896, pp. 223-262. Notes on the Extent and Condition of the Alewife Fisheries of the United States in 1896, by Hugh M. Smith. Report U. S. Fish Commission for 1898, pp. 31-43.

The Shad Fisheries of the Atlantic Coast of the United States, by Charles H.

Stevenson. Report U. S. Fish Commission, 1898, pp. 101-269. 173

of boats in this region was 6,691, valued at \$276,866. The apparatus of capture had a value of \$492,596, and other accessory property \$531,290.

Gill nets have been the most important form of apparatus employed, and were valued at \$243,482, pound nets ranking next in importance, with a value of \$137,175. The value of seines is placed at \$95,340, all other forms of apparatus being of minor importance.

The products of the fisheries amount to 80,390,465 pounds, with a value of \$1,833,155. The products of the fisheries of North Carolina were valued at \$1,316,017; those of South Carolina, \$210,456; of Georgia, \$170,605; and of eastern Florida, \$136,077. The most important item with respect to product is shad, which is valued at \$478,784, oysters ranking next, with a value of \$384,934. Mullet is third and is valued at \$115,465. Alewives and squeteague follow with values of \$118,124 and \$112,578, respectively.

Shad and oysters are by far the most important products of the fisheries of North Carolina; oysters, whiting, shad, and sea bass of South Carolina and Georgia, while in eastern Florida the leading fishery products are shad, mullet, pompano, and squeteague.

Since the last canvass of this region, which was in 1890, there has been an increase in the fisheries of all these States except eastern Florida. Taking the region as a whole, there has been an increase in products of 13,205,847 pounds, having a value of \$259,451. There has been an increase in capital invested of \$140,546. North Carolina is the only State where the investment has decreased, the amount of this decrease being \$25,529. Since 1890 the value of the yield of the more important fishes, such as shad, mullet, and alewives, has been nearly stationary, while that of oysters has increased about one-third.

Table showing the number and value of	f vessels, boats,	apparatus,	and shore	property
employed in the fisheries of	the South Atlan	rtic States in	1897.	

Items.	North (Carolina.		h Caro na.	Ge	orgia.	Flo	orida.	To	tal.
	No.	Value.	No.	Value.	No.	Value.	No.	Value.	No.	Value.
Vessels		\$151,375	16	\$15, 742	51	 \$28, 833	1 2	\$4,330	243	\$200, 280
Tonnage					641.80		16.87		2, 790. 83	ļ
Воатн				34,080	080	20, 277	527	19, 800	6,691	276, 866
Seines	1,044	86, 165	88	3,045	66	2, 395	44	3,735	1, 242	95, 340
Gill nets	86, 688	179, 190	408	23,840	424	11,905	487	28, 517	88,007	243, 482
Pound nets	1,852	136, 375		· · · · · · · · · · · · · · · · · · ·	4	800	l	l	1,856	137, 175
Fyke nets	23	341	!. 	l		·		Í 	23	341
Cast nets	(*)	. 	123	615	82	385	30	165		1, 165
Turtle nets		. 	l		. .	ļ	37	380	37	880
Pote	1, 233	885				·	 .	. 	1, 233	885
Lives	·	247	'	1,425	 .	205	<i></i>	46		1, 923
Wheels	70	1,050				l			70	1,050
Dredges	26	855	' . .		5	50			31	905
Congs, rakes, and			I	i		1				
grabs	1.491	3, 383	246	1,692	547	2, 133	51	337	2, 335	7, 545
Other apparatus.		2,320		60	. .	. 25				2,45
Shore and acces-	:		ı					-		-, -
sory property	. 	315, 164	 	45, 055	<i></i>	106, 356		64, 715		531, 290
Cash capital						111, 500			••••	
Total		1, 218, 450		174. 354		284, 864		151, 155		1, 828, 832

Number of persons employed in the fisheries of the South Atlantic States in 1897.

States.	Fishermen.	Shoresmen.	Total.
North Carolina. South Carolina Georgia Florida.	A, 101	1,925 205 465 141	12, 045 2, 139 1, 869 1, 132
Total	14, 449	2, 736	17, 185

Table showing the quantity and value of products taken in the fisheries of the South Atlantic States in 1897.

Alewivos, fresh	ida.
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Total	02 130,

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Table showing the quantity and value of products taken in the fisheries of the South Atlantic States in 1897—Continued.

SUMMARY.

Species.	Lbs.	Value.	Species.	Lbs.	Value.
Alewives, fresh	5, 755, 114	\$49, 700	Sheepshead	722, 570	\$17, 861
Alewives, salted	10, 101, 236	78, 424	Snappers	88, 400	2, 520
Black bass	593, 458	26, 147	Spanish mackerel	362, 390	19, 832
Blue-fish, fresh	1, 568, 796	44, 329	Spots and croakers, fresh	2, 035, 889	29, 880
Blue-fish, salted	213, 800	5, 144	Spots and croakers,	2,000,000	20,000
Bonito	2, 350	35	salted	165, 246	4, 749
Butter-fish	94, 750	1,758	Squetengue, fresh	3, 657, 778	110, 352
Catfish	502, 311	11, 635	Squeteague, salted	83, 496	2, 226
Channel bass or red-fish,	·	,	Strawberry bass	21, 725	860
fresh	434, 132	8,062	Striped base	864, 223	59, 121
Channel bass or red-fish,		0,002	Sturgeon	930, 425	24, 910
salted	40, 200	804	Suckers	135, 230	3, 037
Drum	297, 700	3, 715	Sun-fish.	291, 009	8, 022
Eels	101, 700	4, 151	Tantog.	14, 125	283
Flounders	180, 475	3, 489	Warmouth bass	6, 950	263 848
Groupers	33, 000		Whiting	737, 500	32, 003
Hickory shad	275, 550	9, 361	Other fish	103, 340	
King-fish	358, 070	7, 628	Shrimp	627, 221	3, 356 28, 312
Menhaden	11, 310, 000	19, 700	Crabs, soft	986, 720	
Mullet, fresh	3, 241, 382	40, 148	Crabs, hard	228, 360	3, 992 5, 279
Mullet, salted	2, 693, 560	75, 317	Craw-tish	4, 000	80 80
Perch	811, 979	24, 224	Terrapins	103, 230	
Pig-fish	412, 807	10, 285	Turtles	48, 856	25, 129
Pike	100, 420	2, 655	Frogs	1, 800	3, 691 450
Pin-fish	61, 600	1.064	Oysters		
опрацо	254, 519	15, 121	Clams		384, 934
Porgy	39, 910	472	Sanllonu	1, 130, 648	62, 820
Sailor's choice	48, 400	1, 445	Scallops	118, 323	5, 653
scad or round robin	8, 100	46	Squeteague sounds	111, 905 691	31, 268
Sea bass	827, 195	32, 130	Refuse	3, 862, 200	104
shad	11, 268, 343	478, 784	Itotuae	3, 802, 200	4,828
harks	30, 000	300	Total	90 200 405	1, 833, 155

Comparative table showing the extent of the fisheries of the South Atlantic States in 1880, 1890, and 1897.

PERSONS ENGAGED.

States.	1880.	1890.	1897.	Increase or decrease in 1897 compared with 1890.	Percentage of increase or decrease in 1897 compared with 1890.
North Carolina. South Carolina Georgia Florida.	5, 274 1, 005 899 368	10, 274 2, 701 1, 622 1, 404	12, 045 2, 139 1, 869 1, 132	+1,771 - 562 + 247 - 272	+17. 23 -20. 81 +15. 23 -19. 37
Total	7, 546	16,001	17, 185	-+1, 184	+ 7.40

CAPITAL INVESTED.

States.	1880.	1890.	1897.	Increase or decrease in 1897 compared with 1890.	Percentage of increase or decrease in 1897 compared with 1890.
North Carolina. South Carolina Georgia Florida	\$506, 561 66, 275 78, 770 43, 554	\$1, 213, 988 127, 762 174, 431 142, 105	\$1, 218, 459 174, 354 284, 864 151, 155	- 25, 520 + 46, 592 +110, 433 + 9, 050	- 2.05 +36.47 +63.31 + 6.37
Total	695, 160	1, 688, 286	1, 828, 832	+140,546	+ 8.32

Comparative table showing the extent of the fisherics of the South Atlantic States in 1880, 1890, and 1897-Continued.

PRODUCTS.

		Percentage			
States.	1880.	1890.	1897.	Increase or decrease in 1897 compared with 1890.	of increase or decrease in 1897 compared with 1890.
North Carolina	32, 249, 488 6, 143, 250 2, 272, 500 2, 286, 750	51, 790, 142 4, 932, 703 2, 991, 117 7, 461, 656	64, 234, 257 5, 280, 446 4, 993, 100 5, 882, 662	+12.435, 115 + 347, 743 + 2, 001, 983 - 1, 578, 994	+24.01 + 7.05 +60.93 -21.16
Total	42, 951, 988	67, 184, 618	80, 390, 465	+13, 205, 847	+ 19. 65
			Value.		
States.	1880.	1890.	1897.	Increase or decrease in 1897 compared with 1890.	Percentage of increase or decrease in 1897 compared with 1890.
North Carolina	119, 993	\$1,027,669 202,602 123,563 219,870	\$1, 316, 017 210, 456 170, 605 136, 077	+288, 348 + 7, 854 + 47, 042 - 83, 793	+ 3.88 +38.07
Total	1	1,573,704	1, 833, 155	+259, 451	+16.49

FISHERIES OF NORTH CAROLINA.

The fisheries of North Carolina have continued to increase in nearly all respects and are now of greater importance than ever before. the number of persons employed and value of products they are more than twice as important as those of all the other South Atlantic States combined and nearly equal them in point of capital invested. prominent position of the fishing industry in this State is due chiefly to the vast extent of its sounds and other coastal bodies of water, fresh Several rivers have fisheries on their lower courses, and the ocean banks are fished extensively. The industry as a whole is of greater value than any other branch of trade in the eastern part of the State.

The three tables on p. 178 show the extent of the fisheries in 1897.

The total number of persons employed was 12,045. The capital invested amounted to \$1,218,459. The value of vessels

and their outfits was \$151,375; of boats, steam flats, and pile-drivers, \$202,709; of apparatus of capture, \$410,811; of shore property and

working capital, \$453,564.

The yield amounted to 64,234,257 pounds of fishery products with a value of \$1,316,017, an increase of over 12,000,000 pounds since 1890. Shad continues to be the most important species in the North Carolina fisheries, the value of which was \$362,811. The yield of this species shows an increase in weight of 3,195,075 pounds, and in value of \$56,796. The next species in importance, the oyster, had a value of \$241,099, an advance of \$65,532 since 1890. Alewives had a value of \$127,055, after

which the more important species were squeteague, worth \$95,219; mullet, worth \$90,338; striped bass, worth \$58,035; blue-fish, worth \$46,752, and clams, worth \$53,703, an increase of over \$40,000 since 1890.

Persons employed.

How engaged.	No.
On vessels fishing On vessels transporting In shore or boat fisheries On boats transporting. Shoresmen	455 188 9, 463 14 1, 925
Total	12, 045

Table of apparatus and capital.

Items.	No.	Value.	Items.	No.	Value.
Vessels fishing Tonuage Outfit Vessels transporting Tonnage Outfit Boats fishing Boats transporting Apparatus—vessel fisheries: Seines Gill nets Dredges Tongs	1, 017. 20 76 862. 03 4, 420 8	21, 327 53, 175	A pparatus—shore fisheries: Seines Gill nets Pound nets Fyke nets Minor nets Lines Pots Wheels Tongs and rakes Miscellaneous Shore and accessory property Cash capital.	1, 852 23 775 1, 233 70 1, 352	\$79, 46; 177, 82; 136, 37; 341 1, 867 247 885; 1, 050 3, 023 453 315, 164
-			Total		

Table of products.

Species.	Lbs.	Value.	Species	Lbs.	Value.
Alewives, fresh	5, 694, 201	\$48,756	Sheepshead	271, 206	\$9, 24
Alowives, salted	10, 096, 236	78, 299	Snappers	34, 400	80
Black base	535, 342	23, 611	Spanish mackerel	330, 840	18, 01
Blue-fish, fresh	1, 482, 375	41,608	Spots, fresh	716, 137	9, 87
Blue-fish, salted	213,800	5.144	Spots, salted	133, 846	4, 32
Bonitu	2, 350	35	Squoteague, fresh		92, 99
Butter-fish	94, 750	1,758	Squeteague, salted	83, 496	2, 22
Cat-fieh	192, 211	4,646	Strawberry bass	21, 725	7, 86
Channel bass, fresh	64, 550	830	Striped bass	845, 123	58, 03
Channel bass, salted	40, 200	804	Sturgeon	871, 625	13,52
Croakers, fresh	1, 247, 619	18, 514	Suckers	135, 230	3, 03
Croakers, salted	31,400	422	Sun-fish	38, 210	1,00
Oram	51, 400	1,073	Tautog	14, 125	28
Ecls	96, 700	4, 051	Warmouth bass	6, 950	34
Flounders	173, 975	3, 199	Whiting	45, 300	1, 13
Hickory shad	230, 975	7, 583	Shrimp	146, 496	5, 88
King-fish	358, 070	7,628	Crabs, soft	1 980, 720	3, 99
Kenhaden	11, 310, 000	19, 700	Crabs, hard	2 40, 000	1.00
Mullet, fresh	797, 425	10, 797	Terrapins	17, 179	2,81
fullet, salted	2, 612, 160	73, 541	Turtles	4 24, 000	1. 92
Perch	806, 379	24, 044	Frogs	5 1, 800	45
Pig-fish	412, 807	10, 285	Oysters	6,011,726	241, 09
?iko	100, 420	2,655	Clams	937, 808	53, 70
Pin-fish	61, 600	1,084	Scallops.~	* 118, 323	5, 65
ошрапо	53, 175	1,728	Caviar	32, 500	11, 16
Porgy	39, 910	472	Squeteague sounds	691	11, 10
isilor's choice	39,000	975	Refuse	8, 862, 200	4, 82
cad or round robin	8, 100	46		B, 002, 200	1 1,020
ea bass	189, 225	5. 564	Total	64 924 957	1 916 019
had	8, 963, 488	362, 811	100a1	64, 234, 257	1, 310, 017

Represents 2,960,160 in number.
 Represents 120,000 in number.
 Represents 8,160 in number.
 Represents 320 in number.

<sup>Ropresents 3,600 in number.
Represents 858,818 bushels.
Ropresents 117,226 bushels.
Represents 26,294 bushels.</sup>

THE FISHERIES BY COUNTIES.

Twenty-six counties are represented in the commercial fisheries of North Carolina. Of this number 17 have a frontage on the ocean or on the sounds tributary thereto, and many of them maintain important fisheries. Those bordering the sounds and the ocean are Currituck, Camden, Pasquotank, Perquimans, Chowan, Bertie, Washington, Tyrrell, Dare, Hyde, Pamlico, Craven, Carteret, Onslow, Pender, New Hanover, and Brunswick.

In the tables beginning on page 184 the fisheries of each of these counties are shown in detail.

In the number of persons employed and in the amount of capital invested Carteret takes precedence over all other counties in the State, occupying the position formerly held by Dare County, the latter taking second place in this regard, though still holding first place in value of products.

A large proportion of the fish caught in Carteret County are handled by wholesale dealers at Beaufort and Morehead City. These firms handled in 1897 1,756,868 pounds, having a gross value of \$70,274. In addition to fish the same firms handled shucked oysters, scallops, and clams.

A comparatively new industry in Carteret County since the former investigation is that of shipping soft-shell crabs to the Northern markets, the total number shipped in 1897 being 13,600 dozen. This business is growing steadily, and at Marshallberg one firm has an extensive plant where crabs are kept in floats preparatory to their shedding and becoming marketable.

Nearly all the oysters handled by the dealers in Carteret County are bought opened, the oystermen receiving an average of 35 cents per gallon for them. The scallops are all bought in this way, none being sold in the shell, the price for the same ranging from 40 to 45 cents per gallon.

In this county the seine fishery has undergone some changes in recent years, a law having been enacted prohibiting the hauling of any seine over 200 yards in length. Such seines are generally used in the mullet fishery. There are many "drag nets," so called, or small seines, with a length of about 350 feet each. These nets are fished in the sounds and also on the outside along the banks. The total number of nets of this class in use in Carteret County in 1897 was 329. In the fisheries of this county 5,250 stake gill nets were used; 25 large stake nets, with an average length of 200 yards each, were fished along the banks. The fishing of large stake nets of this character is of comparatively recent date. 225 small boats with 375 men engaged in tonging oysters in Carteret County, their catch in the aggregate amounting to 244,800 bushels, with a value to the fishermen of \$60,299.

In the catching of scallops and clams about 150 persons are engaged. The scallops are caught with scoops and drags. The scoops have s

long wooden handle with a hoop and net attached. The drags are thrown out from the stern of the boat and hauled aft as the boat proceeds. Two drags are usually carried by each boat. The fishermen open the scallops before selling them to the dealers. The amount opened was 13,147 gallons, worth \$5,653.

In clamming, rakes are used to some extent, the greater portion of the clams being picked by hand from the bars at low tide. Many women and children engage in this work. In the deeper water what is known as "treading for clams" is practiced to some extent. This consists of wading around and feeling for the clams with bare feet. When a clam is located the fisherman reaches down in the water and brings it to the surface.

Forty-seven vessels from Carteret County are engaged in tonging oysters, and 12 vessels in dredging oysters. The dredged oysters all come from Pamlico Sound, as dredging is prohibited in the waters of Carteret County. The catch of vessels tonging oysters amounted to 52,625 bushels, valued at \$13,054. The vessels dredging caught 63,900 bushels, valued at \$15,975. Eleven vessels were engaged in fishing for menhaden. The porpoise fishery formerly prosecuted in this county has been abandoned, owing to the diminished inducements offered to engage in the same.

The absence of shad in the species table for Carteret County is to be accounted for by the removal of pound nets owned by Carteret County fishermen into the waters of Craven County, their catch being credited to this county. This was formerly the principal apparatus for taking shad in the waters of Carteret.

In Onslow County a form of gill net known as a "drop net" is used extensively in the fisheries. They number 655, and the catch was 668,175 pounds, valued at \$21,833. This county is noted for its mullet fishery, and the trade name "New River mullet" is well known throughout the State. Ten seines were employed in the mullet fishery, being fished in the ocean and at the mouths of the inlets along the coastal line of the county. Though these nets are used primarily for mullet, a few other fish are taken incidentally. The catch of mullet aggregated 750,000 pounds, valued at \$22,168. The oyster fishery has increased, and in the value of the output takes second place in the oyster industry of North Carolina. The increase is chiefly owing to the better facilities for marketing the catch. New River oysters are much in favor, and find a ready market in the Northern cities and the interior towns and cities of the State. A fine grade of barrel stock is taken from the private beds, which sells readily in the larger cities at \$4.50 per barrel. The catch of oysters amounted to 120,000 bushels, valued at \$60,000, an average of 50 cents per bushel. The increase over 1890 was 71,500 bushels, with a value of \$42,400.

The fisheries of Pender County are prosecuted in Topsail and Middle sounds, Cape Fear River, and in Northeast River, a branch of the Cape Fear. In the sounds haul seines and drop gill nets are used, the catch

consisting of salt-water varieties. On the rivers mentioned skim nets, drift gill nets, and small seines are used, taking shad, alewives, and other species.

In Duplin County fishing is carried on in the Northeast River by means of gill nets and haul seines.

The fisheries of Sampson County give employment to 190 persons during the fishing season, who, as a rule, reside near the Black River and its tributaries. Skim nets, drift gill nets, and haul seines are the forms of apparatus in general use.

The only important stream in Bladen County is the Cape Fear River, whose fisheries gave employment to 156 persons during the fishing season. The apparatus in use consists of skim nets and drift gill nets used in the taking of shad.

In New Hanover County fishing is carried on in the inlets and the ocean. From Topsail Inlet to Hewletts Creek 21 small seines are fished in the sounds, the catch consisting of mullet and other varieties of salt-water fish. At Ocean View 4 seines, whose principal catch is mullet, are fished at the following-named points: One at Ocean View Beach in the ocean and three at Masonboro Inlet. Seines are also used at Queens and Rich Inlets and in the ocean, taking mullet and other species of fish. Near Masonboro Inlet 10 shrimp seines are operated, their catch amounting to 3,600 bushels of shrimp, valued at \$5,760. A fishery for sturgeon on the Cape Fear River employed 50 men using 25 drift nets. The catch of sturgeon numbered 625, with a weight of 93,750 pounds, and a value of \$2,812. From the roe of these sturgeon 89 kegs of caviar were manufactured, valued at \$4,539.

One hundred and one drift gill nets for shad were employed in the river above and below the city of Wilmington, the catch aggregating 236,781 pounds, with a value of \$13,706. In point of value the shad surpasses all other fishery products in New Hanover County with the exception of the oyster. In Myrtle Grove Sound and its tributary creeks oysters are taken in considerable quantities by hand-picking and tonging. They are sold opened, retailing at 50 cents per gallon. The catch consisted of 64,000 bushels, or 56,000 gallons opened, valued at \$28,000. In addition to the oysters 18,000 bushels of clams were taken.

Fishing with hook and line in the ocean is largely followed, the boats resorting to the vicinity of the submerged rocks that fringe the coast, and the fishery is locally known as "rock fishing." Large quantities of choice salt-water varieties are taken, finding a ready market. There is also a summer fishery with lines in Cape Fear River. The total line catch amounted to 529,040 pounds, with a value of \$17,209.

In Brunswick County 14 large seines are operated, principally in the ocean. Ten small seines, averaging about 250 feet, are fished in the inlets, taking mullet chiefly. Drop gill nets are employed at Southport and vicinity for croakers, spots, etc. A small number of terrapin and turtle seines are in use. The seines average 100 yards, with a depth of

18 to 20 feet. The catch of diamond-back terrapin numbered 1,800, valued at \$630, and 320 green turtles were taken valued at \$1,920.

The clam industry has grown considerably in Brunswick County in the past five or six years, and now employs a large number of persons. The men engaged camp on the beach during most of the week. The season for clamming is regulated by law and begins November 15 and closes April 15. The catch for 1897 amounted to 50,000 bushels, valued at \$22,500. The clamming grounds are along the inlets that border the county.

The fishing centers of Hyde County are in the vicinity of Mount Pleasant, Middletown, and Engelhard. As a whole, the fisheries of this county show a large increase in the amount of shad taken and also an increase of 140,000 bushels in the oyster output. The total quantity of oysters was 216,890 bushels, with a value of \$43,378. In addition to the market oysters tonged, 21,210 bushels of seed oysters, with a value of \$2,205, were sold. The greater portion of the oysters are sold to vessels that come from other States and anchor on the fishing-grounds, buying the tonged oysters from the small boats engaged in the business.

The shad fisheries of Hyde County show an increase of 183,820 pounds over the figures for 1890. The total for 1897 was 252,000 pounds, as against 68,180 pounds in 1890. Most of the shad credited to Hyde County are taken in the adjoining county of Dare, where the fishermen camp during the shad season.

In point of capital invested Beaufort County ranks fifth, and maintains important fisheries on the Pamlico and Pungo rivers. The wholesale trade is centered at Washington. The principal apparatus in use is seines, 49 being employed, their catch amounting to 563,103 pounds, valued at \$16,772, more than one-half of the catch of the county. Next to the seine in importance is the pound net, the catch from the latter amounting to 377,715 pounds, valued at \$8,315. At Belhaven two oyster establishments are located, both engaged in shucking oysters for shipment, the output aggregating about 10,500 gallons, marketed in the Northern cities.

Craven County occupies a prominent position in the fisheries. The bulk of the catch on Neuse River is handled at Newbern; the quantity is estimated at 1,565,000 pounds, with an aggregate value of \$60,600, and 50,754 gallons of oysters were shipped to Northern cities and as far west as Chicago. More than two-thirds of the output of Craven County was captured with seines. Formerly pound nets were fished to a great extent in Neuse River, many fishermen coming from other localities to engage in this fishery. As a result the nets increased in such numbers that a law, becoming operative in July, 1897, has been passed prohibiting their use in the river.

The fisheries of Pamlico County are not very extensive, though a decided improvement is shown. They are carried on mainly in the

Neuse River. At Bay River an oyster fishery has recently been established, which grows steadily in importance, the oysters being taken in the river and around Brant Island, in Pamlico Sound. Fifty small boats were engaged, the catch amounting to 36,000 bushels, with a value to the oystermen of \$9,000.

While Dare County is second in number of persons employed, it maintains first place in the value of products. This is due to the great value of the shad fisheries. In addition to the shore fisheries a vessel fishery is maintained, with 15 vessels. Three or four engage in taking striped bass; the remainder devote their time to the oyster fisheries. The remoteness of the fishing grounds necessitates the employment of 24 vessels to carry the catch to market. The catch of blue-fish in this county was 780,890 pounds, valued at \$28,822.

Chowan County is third in importance of its fisheries, the output amounting to 12,292,720 pounds, with a value of \$112,787. The capital invested was \$136,048. Of this amount \$40,365 was employed in the pound-net fishery, representing 622 nets. This method of fishing has increased year by year and is the mainstay of the fisheries of this county. The pound-net catch amounted to 6,989,598 pounds, with a value of \$69,275, more than one-half of the entire catch of the county being taken in this form of apparatus. Alewives are the leading species taken, amounting to 6,147,384 pounds, valued at \$40,049; shad ranking second with 675,680 pounds, valued at \$21,538.

The fisheries of Currituck County show a large increase, amounting to 688,549 pounds over 1890, with an advance in value of nearly \$10,000. This increase is largely in the seine fisheries, over 1,000,000 pounds being taken with this apparatus. The most important species is the black bass, amounting to 490,280 pounds, and valued at \$21,699. The perch catch was over 325,000 pounds. In the catch of these species Currituck County leads all the other counties in the State.

In Tyrrell County over \$14,000 has been added to the capital invested, and \$12,323 to the value of products. The increase is mainly in the shad fishery, and amounts to 670,465 pounds, valued at \$24,276 more than in 1890. This improvement is largely due to an increase in apparatus, over 6,000 nets having been added to the equipment. The alewife fishery has fallen off in both quantity and value, owing to the steadily diminishing demand for the species and the consequent low price.

Washington County is principally noted for its pound-net fishery, which employs 62 more nets than in 1890. The catch by this form of apparatus amounted to 754,178 pounds, valued at \$14,652. In the matter of species caught in pound nets shad predominate, the value of this fish being more than half of the entire output of these nets.

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The following tables show by counties the number of persons employed, the capital invested, and the yield of the fisheries:

Table showing by counties the number of persons employed in the fisheries of North Carolina in 1897.

Counties.	On ves- sels fishing.	On ves- sels trans- porting.	In shore or boat flabories.	On boats trans- porting.	Shores- men.	Total.
Beaufort	10	4	415 350			521 544
Bladen			156			156
Brunswick						812
Camden		1 2			13	55
Carteret	368		1, 210	2	210	
Chowan		13	438	·	642	
Craven		28	332	2	184	546
Currituck	7	. 4	539	` !		550
Dare	64	50	1, 306	1 4,	58	1,482
Duplin	- 		42			42
Edgecombe			103			103
Hertford			80	. 	70	
Hyde			389			421
Lenoir			260			260
Martin			151	[<i>-</i>		181
Now Hanover			691 825		13	712 827
Onslow		• • • • • • • • • • • • • • • • • • • •				140
Pasquotank		2	177		17	205
Pender			172			172
Perquimans			192			187
Pitt			166			166
Sampson			190			190
Tyrrell			201	2	123	334
Washington			188	'	152	346
Total	455	188	9, 463	14	1, 925	12, 045

Table showing by counties the vessels, boats, and apparatus employed in the fisheries of North Carolina in 1897.

	Beau	ıfort.	Be	ertie.	Bl	aden.	Bruns	wick.	Can	den.
Items.	No.	Value.	No.	Value.	No.	Value.	No.	Value.	No.	Value.
Vessels fishing	2	\$800				ļ .				
Tonnage	18.69				· • • • • •		[· · · · · · · · ·			
Outfit	. <u>.</u> .	263		} <i>-</i>					· • • • • <u>·</u> •	ļ <u>-</u>
Vessels transporting	1	3, 000				ļ <i></i>	4	\$2, 25 0	11	\$700
Tonnage	8. 99					<u> </u>	38, 03		12.00	i · · · · · · <u>· · · ·</u>
Outfit	•••••	725				· · · · · · · · ·		312		155
Boats fishing	201	4, 453	134	\$6,015	78	\$720	221	4,075	26	1,590
Apparatus—vessel			1	ļ	ŀ	!		l		l I
fisheries:	4	125	1		ŀ					
Dredges	4	125				l				
fisheries:			i		ŀ				į	
Seines	49	7, 710	7	10, 525			32	2, 240	i	
Gill nets	2, 817	2,870	· '	10, 323	48	861	38	380	1,900	2, 850
Pound nots	54	5, 400	96	7, 305	10	001	00	000	47	2, 355
Fyke nets	04	0, 200		1,000			1		l i	2,000
Minor nets	20	60	160	443	30	75	61	171	i . .	
Lines								60		
Pots	600	300								
			20	300						
Tongs and rakes			İ				80	258		
Shore and accessory									İ	
property	. .	21, 835		18, 780				200		420
Cash capital		18,000	!	l	. .		 .			
<u>-</u>		<u>_</u>	!				<u> </u>			
Total		65, 541	' 1	43, 368	1	1,659		9, 946	l 1	8.084

Vessels, boats, and apparatus employed in North Carolina fisheries in 1897-Continued.

* 1	Car	toret.	Chor	wan.	Cra	ven.	Curi	rituck.	_	Dar	3.
Items.	No.	Value.	No.	Value.	No.	Value.	No.	Value	. No). T	Zalue.
Vessels fishing	79						1	\$75	0	15	\$7, 350
TonnageOutilt	849.18	17, 579	· -	• • • • • •	·····	• • • • • • •	. 11.99	24	128. 5	74	2, 950
Vessels transporting.	·····is	11, 125	; 4	\$5, 900	10	\$5, 750	2	65	0	24	17, 850
Tonnago	250. 52		. 50. 42 .	350	106. 10	530	13.92	16		03	2,730
OutfitBoats fishing	547	$\begin{array}{c c} 1,374 \\ 24,995 \end{array}$	216	18, 235	162	3, 880	303	14, 25		65	73, 270
Boats transporting	1	180			1	850	ļ		··¦	3	1,000
Apparatus—vessel fisheries:	{	}	1 1				1		ì	}	
Seines	1 11	5, 125	\I.				. 1	22	5 j	5	1, 125
Gill nets	41	1,370					• •••••• • •••••				
Dredges Tongs										20	60
Apparatus — shore	ļ	ļ			i			ļ.		1	
fisheries: Seines	346	10, 120	4	9, 500	87	5, 010	222	5,68		12	4,000
CHI mater	5 31:	t [†] 15 300	3. 179	9. 880	5.090	7, 475		11,93		364 391	77, 454 30, 710
Pound nots			. 622	40, 365	70	7,000	9 7	90		1	50, 710
Minor nets	100	25	1		ł					30	
Minor nets	ļ		. -		200	100	181	27	·····	95	79 183
Pots	407	767		· • • • • • • • • • • • • • • • • • • •	200		.[].		[98	190
Miscellaneous		. 333				- -	-			••••	120
Shore and accessory		78 625	ļl	51,818	1	32, 400		1, 62	0		26, 446
Cash capital		65, 400				25, 000				' .	
Total	<u> </u>	.,291,448	- i	36, 048		87, 495		86, 86	7		251, 51
	; -	. 1	gecombe		rtford.		yde.		noir.	M	artin.
Items.	No. Value. No.			-,		\		-!		¦	Value
	No.	alue. N	o. Value	3. No.	Value.	No.	vaine	- NO.	Valuo.	10.	V MINO.
Boats fishing	16	\$180 f	3 \$150	35	\$ 923	172	\$12,635	128	\$797	85	\$56
Apparatus — s h o re	1	-	1	}	ļ		1	}	Ì		i
fisheries: Seines	10	200		4	2, 800	75	1,500	17	510	2	1,200
Seines Gill nets Pound nets Fyke nets Minor nets Lines Pots	6	90		135	275	7, 200	1,700	125	125		 .
Pound nets				18	32					4	2
Minor nets			3 132	2 ([·	.	. 113	339	93	35
Lines										5	1
Pots										50	75
Tongs and rakes	· -		• • • • • • • • • • • • • • • • • • • •	••		. 372	720	' ∤			
]		6, 865		. 4, 350		2, 900		4, 22
property	. -		. .	 .		• • • • • •	. 3,500) [[.[
Total	,		29	i	11, 150		. 31, 955	5	4,671		7, 18
	1	 _		_!		<u>'</u>			<u></u>	<u></u>	
Itoms.			lanover.	·	slow.	·		Pasque			nder.
		No.	Value.	· \		No. V	aluo.	No.	Value.	No.	Value
Vessels fishing Tonnage Outlit					l	.		1	\$450	· • • • •	ļ
Tonnage		.ļ	.¦					8.60 .	290	• • • • •	
Outlit Vessels transporting	, -		\$1,850	1		:[::::		···i	500		
Tonnogo		36, 13	1			-	1	3.78 .]
{ \11 t H t	. .		. 312 6,012	895	\$7,525	70 8	1,400	75	3, 510	61	\$77
Boats fishing		1				. .		1	300		ļ
Boats transporting Apparatus—vessel fls	hories:	1	1	1		1		1	225		
Seines Apparatus—shore fish	norice	·· ·····	-	1				1		 	
A LIBERT HAS SHOULD HELD		38	2, 880	10	2,000		300	23	4, 220	17	1, 23
Seines		160	4, 845	655	9, 825	. 14	800 2 1, 400	28	4, 248 1, 100	31	B1
Gill nets			1					2	50	[
Gill nets	• • • • • • •			: I .		-		5	5	13	8
Gill nets Pound nets Fyke nets		io	5							l	
Seines Gill nets Pound nets Fyke nets Minor nets Lines		10	0.0					100	50		
Seines Gill nete Pound nots Fyke nets Minor nets Lines Pots	• • • • • • • • • • • • • • • • • • •		. 00		605		250	100	50		
Seines Gill nets Pound nets Fyke nets Minor nets Lines	• • • • • • • • • • • • • • • • • • •	85	233 . 20, 475	210	605 250		250 100	100	0, 577		10
Seines Gill nets Pound nets Fyke nets Minor nets Lines Pots Tongs and rakes	roperty	85	233	210				100			2,67

Vessels, boats, and apparatus employed in North Carolina fisheries in 1897—Continued.

	Perq	imans.	-	Pitt.	Sampson.		Tyrrell.		Wasi	Washington.	
Items.	No.	Value.	No.	Value.	No.	Value.	No.	Value.	No.	Value.	
Vessels transporting							33. 52	\$2,000	2 17, 59	\$1,200	
TonnageOntfit		\$2,750			125	\$1,250	100	370 6, 050	78	230 3, 890	
Boats transporting					 		1	300			
Seines	1, 190	2, 675 1, 786	13	1, 250	40 50	720 750	9, 510		1,018	3, 200 8, 567	
Pound nets	129	8, 700	52	129	35	88	196	9, 885	171	13, 470	
Pots	52	20 4, 635		2, 225	 	75		3, 204		25, 990	
Total		20, 572		3, 951		2, 883		36, 055	1	51,54	

SUMMARY.

Items.	No.	Value.	Items.	No.	Value.
Vessels fishing. Tonnage Outfit. Vessels transporting. Tonnage Outfit. Boats fishing. Boats fishing. Boats transporting. Apparatus—vessel fisheries: Selines Gill nets Dredges Tongs	1, 017. 20 76 862. 03 4, 420 8 18 49 26	53, 175	Apparatus—shore fisheries: Seines Gill nets Pound nets Fyke nets Minor nets Lines Pots Wheels Tongs and rakes Miscellaneous. Shore and accessory property Cash capital	1, 852 23 775 1, 233 70 1, 352	

Table showing by counties and species the yield of the fisherics of North Carolina in 1897.

	Beauf	ort.	Berti	6.	Blad	en.	Brunsv	rick.
Species.	Lbs.	Value.	Lbs.	Value.	Lbs.	Value.	Lbs.	Value.
Alewives, fresh	115, 867	\$3, 252	1, 223, 834	\$9, 994		 		.
Alewives, salted	46,000	095	1, 516, 357					
Black base	3, 100	155	2,020,000					:
Slue-fish, fresh	4.500	90					17, 800	8409
Butter-fish	5, 725	85	1	· .				
Cat fish	32, 000	484	9 530	455		!		
Croakers, fresh	133, 800	2,007		100			41, 875	838
	100,000	2,001					2,500	
Orum	25,000	750						'`
Sels		264		• • • • • • • •			15, 500	310
Plounders	11,015		18, 900				10, 000	510
lickory shad	18, 464	462	18, 900	704			19, 125	478
King fish					• • • • • • • • • •			333
Mullet, fresh		81					12, 300	
Mullet, salted				[• • • • <u>• • •</u> •			333, 100	9, 942
orch	60, 498	2,638	15, 020	[610 j				
Pig-fish		ļ. .					44, 802	1, 53
Pike	8, 250	240						
ln-fish 			10, 250	249
Omnano	3, 200	112		. 				
Sailor's choice				l			12, 500	313
Sea bass				<u>.</u> .			25, 100	1,00
Shad		11, 367	489 964	18, 747	81, 698	\$1,420	10, 125	45
Sheepshead		292	489, 964	20,,,,,,		40,	6, 550	19
Snappers	1 0,000	1 202					11, 150	27
Spanish mackerel	4, 250	149					,	l .
Spots, fresh	58, 275	874					28, 862	578
Spots, Iresu	215, 935	3, 238			•••••			
queteague, fresh	3, 400	150					10,	0,00
trawberry bass			90 457	1 857	· · · · · · · · · · · · · · · · · · ·		1,800	6
triped bass	27, 253	2, 181	22, 457	1,007			1, 500	
turgeon	16, 700	334			· · · · · · · · · · · · · · · · · · ·			!
uckers	8,100	170	18, 840	003			· · · · · · · · · · · · · · · · · · ·	
Sun-fish	3, 900	125						
Whiting				• • • • • • • • • • • • • • • • • • •	• • • • • • • • • • • • • • • • • • •		15, 100	378
hrimp							2, 496	128
Shrimp Cerrapin	- <i></i>	!					4,500	630
l'urtles Dystors Clams		!					24,000	1, 920
)ystors	59,500	1,370						
Clams				l			400, 000	22, 500
Refuse	<i></i>		500,000	625				
	l		ــــــــــــــــــــــــــــــــــــــ	i		<u> </u>		! -
Total	1 100 449	21 545	3, 814, 902	45,955	31,698	1, 420	1, 112, 710	45, 63

Table showing the yield of the North Carolina fisheries in 1897-Continued.

	Came	len.	Carter	ret.	Chow	An.	Crave	n.
Species.	Lbs.	Value.	Lbs.	Value.	Lbs.	Value.	Lbs.	Value.
	00,400	\$814	10,000	\$150	2, 454, 708	\$12. 1 60	425, 660	\$6, 385
llewives, fresh	69,400 8,333	75	10,000		5, 352, 679	39, 859	50,000	1,000
Alewives, salted	700						7,500	375
Slack bass. Sluc-fish, fresh Sluc-fish, salted Sonito Sutter-fish Lat-fish Lannel bass, fresh Lroakers, fresh Lroakers, salted Drum			536, 235	9, 395		ļ. .	100,000	2,000
Sluc-fish, salted			60, 000 2, 350 36, 225	1,560				• • • • • • • •
Sonito		· • • • • • •	2, 350	35 723			35,000	525
lutter-fish			30, 223	123	11,530	456		
at-fish	2,900	29	18, 900	286	1			
hannel bass, fresh		• • • • • • • • • • • • • • • • • • • •	267, 575	2, 156			215,000	1,075
roakers, iresii							25, 000	250
)rum			30,600	612		<u> </u>		250
Eels					50	8	10,000 29,700	297
Tounders	3,000	90	35, 125	703	1,095 73,579	2, 935	52, 280	784
Hickory shad	400	10	192, 365	3 818	10,018	2, 000	45, 275	904
King-fleh	• • • • • • • • •		11, 310, 000	19, 700				
Flounders. Hickory shad. King-fleh Menhaden Mullet, fresh Mullet, salted			179,675	3, 848 19, 700 2, 734			39, 850	389
Mullet, iresi			774, 100	22, 922			50, 000	1,000
Mullet, salted Perch Pig-fish	12,700	307		.l	67, 950	2,618	117, 700	3, 532
Pig-figh			145, 265	2,910		· · · · · · · · · · · · · · · · · · ·	25,000 44,600	500 446
Pike	780	31		1	200	16	15, 700	157
Pin-fish			13, 050	1, 362	!		15, 100	
Pompano	• • • • • • •	••••	45, 325 16, 650	240			18, 210	182
Porgy			113, 950	2,553				٠
Sea Dass	204, 000	7.050			1, 180, 164	40,419	584, 662	25, 985
Sheengheed			116, 555	3, 245		.	13, 650	680
Snanish mackerel		ļ	157, 145 194, 260 36, 700	8,800	 		63, 975	1,599 1,003
Spots, fresh	ļ 		194, 260	2,884			100, 300	1,000
Spots, salted		- -	1 86,700	16, 318			360, 175	6,918
Squeteague, fresh			695, 208 47, 450	1 242	1	1		1
Squeteagne, salted			41,400				10,000	800
Pin-fish. Pompano Porgy Sca bass Shad. Sheepshead. Spanish mackerel. Spots, fresh Squeteague, fresh Squeteague, fresh Squeteague, salted Strawberry bass Striped bass Sturgeon	20 400	1.428	4,500	225	63,530	4, 448	09. 800	5, 200
Striped base	20, 200	3,100			. 100, 475	2, 453	75,000	3,750
Suckers	900	23			. 14, 200	427		
Tautor			14, 125	283			.	·¦· · · · · · · ·
Crabs, soft			979, 200	3, 400				
Torrapin			6, 428 2, 557, 275	1,000				
Oysters			307, 408	19, 213				
Sturgeon Suckers Tautog Crabs. soft Terrapin Oysters Clams Scallops			118, 323					
Caviar					. 10, 360	3, 248	10, 125	3, 37
Refuse					. 2,962,200	3,703		
2004 200 100 100 100 100 100 100 100 100 100	323, 518	10,546	19, 022, 667	224, 641	12, 292, 720	112, 787	2, 624, 168	68,86
Total					1	l l	1	1
Total	020,010	<u></u>						
	<u> </u>	rtford.		Hydo.	L	enoir.	Ma	rtin.
Total	<u> </u>	rtford.	[- -			valu	_	
Species.	Lbs.	Val	ue. Lbs.	. Valı	ue. Lbs.	Valu	e. Lbs.	Value.
Species. Alewives, fresh	Lbs. 509,	Val	ue. Lbs.	. Valı		Valu	e. Lbs.	Value.
Species. Alewives, fresh	Lbs. 509,	Val	ue. Lbs.	. Vali	Lbs.	Valu	e. Lbs.	Value.
Species. Alewives, fresh	Lbs. 509,	Val	ue. Lbs.	. Valu	Lbs. 330 1,13	Valu-	e. Lbs. 0 21, 838 145, 672	\$35 1, 24
Species. Alewives, fresh	Lbs. 509,	Val	ue. Lbs.	. Valu	Lbs. 330 1, 13 229 700 2, 63	Valu-	e. Lbs.	\$35 1, 24
Species. Alewives, fresh	Lbs. 509,	Val	ue. Lbs.	. Valu	Lbs. 330 1, 1329	Valu-	e. Lbs. 0 21, 838 145, 672	\$35 1, 24
Species. Alewives, fresh	Lbs. 509, 107,	Val	ue. Lbs. 085 2, 310 68, 35, 59 10,	. Valu	29	Valu	e. Lbs. 0 21, 838 145, 672	\$35 1,24
Species. Alewives, fresh	Lbs. 509, 107,	Val	ue. Lbs. 085 2, 310 68, 35, 59 10,	. Valu	100 Lbs. 1129 229 2,654 226 16	Valu	e. Lbs. 0 21, 838 145, 672	\$35 1,24
Species. Alewives, fresh	Lbs. 509, 107, 1, 1,	Val 386 \$8, 998 \$9,	Ue. Lbs. 085 2, 810 68, 35, 10, 16,	. Valu	Lbs. 330 1, 13 129 29 2, 63 254 226 16 85	Valu 30	e. Lbs. 0 21, 838 145, 672	\$35 1, 24
Species. Alewives, fresh	Lbs. 509, 107, 1, 1,	Val 386 \$8, 998 \$9,	Ue. Lbs. 085 2, 810 68, 35, 10, 16,	. Value 000 \$ 50 000 7 7 300 300 5 5 600	ue. Lbs. 130 1,13 129	Valu 30	e. Lbs. 0 21, 838 146, 672 3 22, 500 3 1, 000	\$35 1, 24
Species. Alewives, fresh	Lbs. 509, 107, 1, 1,	Val 386 \$8, 998 \$9,	Ue. Lbs. 085 2, 810 68, 35, 10, 16,	Value 000 \$ 500 650 650	100. Lbs. 130 1,11 129	Valu 30	e. Lbs. 0 21, 838 146, 672 3 22, 500 3 1, 000	\$35 1, 24
Species. Alewives, fresh. Alewives, salted. Blue-fish, fresh. Blue-fish, salted. Cat-fish. Croakers, fresh. Drum. Eels. Flounders. Flounders. Hickory shad. King-fish. Mullet Tresh.	He Lbs. 509, 107, 1	Val 386 \$8,998 \$900 375	100. Lbs. 2, 310	Value 000 \$ 500 650 650	10. Lbs. 1, 13.	Valu	e. Lbs. 0 21,833 145,672 3 22,500 3 1,000 3 6,900	Value. \$35 1, 24
Species. Alewives, fresh. Alewives, salted. Blue-fish, fresh. Blue-fish, salted. Cat-fish. Croakers, fresh Drum. Eels. Flounders. Hickory shad. King-fish. Mullet, fresh. Mullet, salted.	Hec Lbs. 509, 107, 1	Val 386 \$8, 998 \$3, 900 \$375	UB. Lbs. 085 2, 110 68, 35, 59 10, 16, 14 2, 20, 50,	Value Value	100. Lbs. 100. 200. 200. 200. 200. 200. 200. 200.	Valu	e. Lbs. 0 21, 838 146, 672 3 22, 500 3 1, 000	Value. \$35 1, 24
Species. Alewives, fresh. Alewives, salted. Blue-fish, fresh. Blue-fish, salted. Cat-fish. Croakers, fresh. Drum. Eels. Flounders. Flounders. Hickory shad. King-fish. Mullet, fresh. Mullet, salted. Perch. Pig-fish.	He Lbs. 509, 107, 1	Val 886 \$8, 998 \$998 \$	Lbs. 2, 310 68, 35, 59 10, 16, 14 2, 20, 50,	Value 000 \$ 1,000 \$ 1,000 \$ 2,	100. Lbs. 100. 1,12 100. 2,63 100. 2,63 100. 1,7 10	Valu	e. Lbs. 0 21,838 145,672 3 22,500 8 1,000 13 6,900	Value
Species. Alewives, fresh. Alewives, salted. Blue-fish, fresh. Blue-fish, salted. Cat-fish. Croakers, fresh. Drum. Edia. Flounders. Hickory shad. King-fish. Mullet, salted. Perch. Pig-fish. Shad.	He Lbs. 509, 107, 1,	Val 9000 \$8, 9000 \$8, 9	UB. Lbs. 185 2, 110 68, 35, 59 10, 16, 14 2, 20, 50, 157 55, 772 252,	Value 000 \$ 650 1,0 000 5 700 1 700 1 700 1,1 700 1 1,1	100. Lbs. 100. 1, 13 100. 2, 63 100. 2,	Valu 30 \$1 3	e. Lbs. 0 21,838 145,672 3 22,500 8 1,000 13 6,900	Value
Species. Alewives, fresh. Alewives, salted. Blue-fish, fresh. Blue-fish, salted. Cat-fish. Croakers, fresh Drum. Eels. Flounders Flounders Hickory shad King-fish Mullet, fresh. Mullet, salted Perch Pig-fish. Shad Spanish mackerel.	Hec Libs. 509, 107, 1	Val 886 \$8, 998 \$998 \$	Lbs. 285 2. 310 68, 59 10, 16, 14 2, 20, 50, 772 252, 110	Value Value 000 \$ \$ 650 1,000 7 300 2 300 5 600 500 650 000 1,1 700 11,1 000 11,1	ue. Lbs. 330 1,13 229	Valu 30 \$1 3	e. Lbs. 0 21,838 145,672 3 22,500 8 1,000 13 6,900	Value
Species. Alewives, fresh. Alewives, salted. Blue-fish, fresh. Blue-fish, salted. Cat-fish. Croakers, fresh Drum. Eels. Flounders Flounders Hickory shad King-fish Mullet, fresh. Mullet, salted Perch Pig-fish. Shad Spanish mackerel.	Hec Libs. 509, 107, 1	Val 886 \$8, 998 \$998 \$	Lbs. 285 2. 310 68, 59 10, 16, 14 2, 20, 50, 772 252, 110	Value Value 000 \$ \$ 650 1,000 7 300 2 300 5 600 500 650 000 1,1 700 11,1 000 11,1	ue. Lbs. 330 1,1: 229	Valu 81 825 4 80 81 81 80 81 80 80 80 80 80	6. Lbs. 0 21, 833 145, 672 3 22, 500 3 1, 000 3 6, 900 27 5, 200 27 126, 000	Value \$35 1,24 80 26 5,20
Species. Alewives, fresh. Alewives, salted. Blue-fish, fresh. Blue-fish, salted. Croakers, fresh. Drum. Edia. Flounders. Hickory shad. King-fish. Mullet, fresh. Mullet, salted. Perch. Pig-fish. Shad. Spanish mackerel. Spots, fresh.	Hec Lbs. 569, 107, 1	Val \$8, \$8, \$900 \$375 200 380 1,	UB. Lbs. 185 2, 110 68, 35, 59 10, 16, 14 2, 20, 50, 772 252, 10, 81, 145,	. Value Valu	ue. Lbs. 330 1,1: 229	Valu 81 825 4 80 81 81 80 81 80 80 80 80 80	e. Lbs. 0 21,833 145,672 3 22,500 3 1,000 3 6,900 27 5,200 27 126,000	Value \$35 1, 24 80 28 5, 26 5, 26
Species. Alewives, fresh. Alewives, salted. Blue-fish, fresh Blue-fish, fresh Blue-fish, salted. Cat-fish. Croakers, fresh Drum Eels. Flounders Flounders Hickory shad King-fish Mullet, fresh. Mullet, salted Perch Pig-fish Shad Spanish mackerel Spots, fresh Squeteague, fresh Striped bass	Hec Lbs. 509, 107, 1	Val 886 \$8, 998 \$998 \$	Us. Lbs. 185 2. 110 68, 35, 59 10, 16, 14 2. 50, 157 55, 772 10, 81, 141 141.	. Value Valu	108. Lbs. 109	Valu 50 \$1 50 \$1 50 \$1 50 \$1 50 \$1 50 \$1 50 \$3 50 \$3	6. Lbs. 0 21,833 145,672 3 22,500 3 1,000 3 6,900 27 5,200 27 126,000 40 13,806	Value. \$35 1,24 80 28 20 5,22
Species. Alewives, fresh. Alewives, salted. Blue-fish, fresh. Blue-fish, salted. Cat-fish. Croakers, fresh. Drum. Eels. Flounders. Hickory shad. King-fish. Mullet, fresh. Mullet, salted. Perch. Pig-fish. Shad. Spanish mackerel. Spots, fresh. Squeteague, fresh. Sturgeon.	Hec Lbs. 569, 107, 11, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1	Val 886 \$8, 998 \$8, 9990 \$375 \$200 \$380 \$1,	14	. Value Valu	ue. Lbs. 330 1,13 229	Valu 50 \$1 50 \$1 50 \$1 50 \$1 50 \$1 50 \$1 50 \$3 50 \$3	e. Lbs. 0 21,833 145,672 3 22,500 3 1,000 3 6,900 27 5,200 27 126,000	Value. \$35 1,24 80 28 20 5,22
Species. Alewives, fresh. Alewives, salted. Blue-fish, fresh. Blue-fish, salted. Croakers, fresh. Drum. Eels. Flounders. Hickory shad. King-fish. Mullet, fresh. Mullet, salted. Perch. Pig-fish. Shad. Spanish mackerel. Spots, fresh. Striped bass. Sturgeon. Sturgeon. Suckers.	Hec Lbs. 569, 107, 11, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1	Val \$8, \$8, \$900 \$375 200 380 1,	Lbs. 185 2, 186 36, 59 10, 16, 14 2, 20, 50, 157 53, 772 252, 10, 145, 81 81, 81 42 1,066	Value Value 000 \$	100. Lbs. 100. 1, 12. 100. 2, 62. 100. 2, 63. 100. 1, 17. 100. 1,	Valu 50 \$1 50 \$1 50 \$1 50 \$1 50 \$1 50 \$1 50 \$3 50 \$3	6. Lbs. 0 21,833 145,672 3 22,500 3 1,000 3 6,900 27 5,200 27 126,000 40 13,806	Value. \$35 1,24 80 66 28 5,26 1,11
Species. Alewives, fresh. Alewives, salted. Blue-fish, fresh. Blue-fish, salted. Cat-fish. Croakers, fresh. Drum. Edia. Flounders. Hickory shad. King-fish. Mullet, salted. Perch. Pig-fish. Shad. Spanish mackerel. Spots, fresh. Squeteague, fresh. Sturgeon.	Hec Lbs. 569, 107, 11, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1	Val 886 \$8, 998 \$8, 9990 \$375 \$375 \$350 \$1,	Lbs. 185 2, 186 36, 59 10, 16, 14 2, 20, 50, 157 53, 772 252, 10, 145, 81 81, 81 42 1,066	Value Value 000 \$	ue. Lbs. 330 1,13 229	Valu 50 \$1 50 \$1 50 \$1 50 \$1 50 \$1 50 \$1 50 \$3 50 \$3	e. Lbs. 0 21, 833 145, 672 3 22, 500 8 1, 000 13 6, 900 27 5, 200 27 126, 000 27 126, 000 40 2, 806	Value.
Species. Alewives, fresh. Alewives, salted. Blue-fish, fresh. Blue-fish, salted. Cat-fish. Croakers, fresh Drum. Eels. Flounders. Hickory shad. King-fish. Mullet, salted. Perch. Pig-fish. Shad. Spanish mackerel. Spots, fresh. Squeteague, fresh. Striped bass. Sturgeon. Suckers.	Hec Lbs. 569, 107, 11, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1	Val 886 \$8, 998 \$8, 9990 \$375 \$375 \$350 \$1,	Lbs. 185 2, 186 36, 59 10, 16, 14 2, 20, 50, 157 53, 772 252, 10, 145, 81 81, 81 42 1,066	Value Value 000 \$	100. Lbs. 100. 1, 12. 100. 2, 62. 100. 2, 63. 100. 1, 17. 100. 1,	Valu 50 \$1 50 \$1 50 \$1 50 \$1 50 \$1 50 \$1 50 \$3 50 \$3	6. Lbs. 0 21,833 145,672 3 22,500 3 1,000 3 6,900 27 5,200 27 126,000 40 13,806	Value.

Table showing the yield of the North Carolina fisherics in 1897—Continued.

	1	Currit	ick.	Da	ire.	· D	uplin.	Edgeo	ombe
Species.		Lbs.	Value.	Lbs.	Value.		Value.		Value.
43			!i		-	-	_,	1700.	-
Alewives, fresh Alewives, salted .		3, 500 113, 500	\$21 687	284, 080 1, 336, 334	\$2,030	١			
Black bass		490, 280	21,699			1,0			¦
Blue-fish, fresh Blue-fish, salted		36, 250	1,462	662, 690 118, 200	25, 936		· · · · · · · · · · · · · ·		
Butter-fish		400	16	8, 800	286)			
Cat-fish	h	62, 446	868	6, 050 27, 500	331		24		
Channel bass, salt	ed		500	40, 200	804	l			
Croakers, fresh Croakers, salted		22, 800 2, 000	592	349, 044 4, 400					
Eels		2,000 27,450	1,533	10, 900] 344	i			
Flounders Hickory shad	· · · · · ·	1,000	30	12,725 5,834	288 258		00 25		
King-fish		20,600	414	26, 190	931				ļ .
Mullet, salted		50, 800 10, 000	1,056	60, 400 479, 410					
Perch		335, 036	6,779	21, 590			0 313		
Pike Pompano		36, 840	1,634	4, 650	254		• • • • • • • • •		
Pompano Scad or round robi	n	8, 100	46 .		. <i>.</i>				
Sheepshead		364, 400	13, 665	3, 147, 128 81, 826	133, 017 3, 416		0 840		\$530
Spanish mackerel.		2,300	166	79, 470	6, 561	.		[]	
Spots, fresh Spots, salted		10,000 3,000	232 120	134, 740 94, 146	1, 384 3, 264			ļ	
Squeteague, fresh.		51, 200	2, 210	865, 895	35, 310				
Squeteague, salted Striped bass		8,000 \ 48,920	3, 435	28, 046 364, 357	26, 000		0 115	'	
Sturgeon				82, 600	4, 130				
Suckers Sun-fish		48, 850 21, 010	557 . 210 .			3, 20	0 96		
Crabs, soft	'	. . .		2, 400	144				
Terrapin Frogs		1,800	450	6, 251	1, 185				
Oysters		•••••		188, 251	7,818	j			•••••
Clams Squeteague sound		• • • • • • • • • • • • • • • • • • •		25, 600 691	890 104		• • • • • • • • • • • • • • • • • • • •	·····	
Total		780, 482	58, 892	8, 560, 398	290, 225		0 1,523	11, 925	530
 -:	New H	nover	Ons	low	Pamlic	- '	squotank.		der.
Species.	Lba.	Value.	1	Value.		alue. Li	 ,		Value.
11 1 0 1				-		 ;		-;	
Alewives, fresh Alewives, salted		·	50,000	\$600	26, 666	\$400 121, 114,			\$20
Black bass	5, 200	\$260				20,			23
Blue-fish, fresh	5, 200				10 0 0				
DULIGE-USB	5, 000	150	10, 300	309	40, 300 8 600	806		. 450 650	20
Butter-fish Cat-fish	5, 000 17, 300	519		:	40, 800 8, 600	806 129	500 255	. 650	
Cat-fish Channel bass, fresh	5,000 17,300 3,150	519 63	15,000	150	8, 600	806 129 8,		750	20 15
Cat-fish Channelbass, fresh Croakers, fresh Drum	5, 000 17, 300	519		150	8, 600	806 129 8,	500 255	750 . 23, 950	20
Cat-fish	5,000 17,300 3,150 84,025 2,000	519 63 1,601 60	15, 000 48, 850	150 977	8, 600 50, 400	806 129 8, 252	500 255	750 . 23,950	15 479
Cat-fish	5,000 17,300 3,150 84,025 2,000 28,140 8,700	519 63 1,601 60 563 435	15,000	150 977	8, 600 50, 400 8, 450 6, 000	806 8, 252 10, 84 210 1,	500 255	750 23, 950 . 9, 925	20 15
Cat-fish Channelbass, fresh Croakers, fresh Drum Eels Flounders Hickory shad King fish	5, 000 17, 300 3, 150 84, 025 2, 000 28, 140 8, 700 38, 000	519 63 1,601 60 563 435 760	15, 000 48, 850	150 977 224	8, 600 50, 400 8, 450 6, 000 14, 015	806 129 8, 252 10, 84 210 1, 238	500 255 000 500	750 750 23, 950 9, 925 200	15 479 199 10
Cat-fish Channelbass, fresh Croakers, fresh Drum Eels Flounders Hickory shad King fish Mullet, fresh Mullet, salted	5,000 17,300 3,150 84,025 2,000 28,140 8,700 38,000 242,660 39,750	519 63 1,601 60 563 435 760 6,067 1,193	15, 000 48, 850 11, 200 78, 200 808, 300	150 977 224 1,564 26,049	8, 450 6, 000 14, 015 15, 650	806 129 8, 252 10, 84 210 1, 238 156	500 255 000 500 468 44	. 650 750 . 23, 950 . 9, 925 200 . 85, 865 7, 500	15 479 109 10 2, 146 225
Cat-fish Cat-fish Croakers, fresh Drum Eels Eels Flounders Hickory shad King fish Mullet, fresh Mullet, salted	5,000 17,300 3,150 84,025 2,000 28,140 8,700 38,000 242,660 39,750 17,175	519 63 1, 601 60 563 435 760 6, 067 1, 193 859	15, 000 48, 850 11, 200 78, 200 808, 300 10, 000	150 977 224 1, 564 26, 049 300	8, 450 50, 400 8, 450 6, 000 14, 015 15, 050 30, 610	806 129 8, 252 10, 84 210 1, 238 150 918 31,	500 255 000 500 468 44	. 650 750 . 23,950 . 9,925 200 . 85,865 7,500 3,150	15 479 199 10 2, 146 225 158
Cat-fish Channel bass, fresh Croakers, fresh Drum Eels Flounders Hickory shad King fish Mullet, fresh Mullet, salted Perch Plg-fish Pike	5,000 17,300 3,150 84,025 2,000 28,140 8,700 38,000 242,660 39,750 17,175 96,440 4,750	519 63 1,601 60 563 435 760 6,067 1,193 859 3,270 238	15, 000 48, 850 11, 200 78, 200 808, 300	150 977 224 1, 564 26, 049 300	8, 450 6, 000 14, 015 15, 050 30, 610 3, 500 6, 000	806 129 	500 255 000 500 468 44	. 650 750 . 23, 950 . 9, 925 200 . 85, 865 7, 500	15 479 109 10 2, 146 225
Cat-fish Cat-fish Croakers, fresh Drum Eels Flounders Hickory shad King fish Mullet, fresh Mullet, salted Perch Pig-fish Pike Pin-fish	5,000 17,300 3,150 84,025 2,000 28,140 8,700 38,000 242,660 39,750 17,175 96,440	519 63 1,601 60 563 435 760 6,067 1,193 859 3,270	15, 000 48, 850 11, 200 78, 200 808, 300 10, 000	150 977 224 1, 564 26, 049 300	8, 450 6, 000 14, 015 15, 050 30, 610 3, 600 5, 000 2, 300	806 8, 252 10, 84 210 1, 238 156 918 31, 52 50 34	500 255 000 500 468 44	. 650 750 . 23,950 . 9,925 200 . 85,865 7,500 3,150	15 479 199 10 2, 146 225 158
Cat.fish Channel bass, fresh Croakers, fresh Drum Eels Els Els Flounders Hickory shad King fish Mullet, fresh Mullet, salted Perch Pig.fish Pike Pin.fish Porgy Sailor's choice	5,000 17,300 3,150 84,025 2,000 28,140 8,700 38,000 242,660 39,750 17,175 90,440 4,750 20,300	519 519 60 1,601 60 563 435 760 6,007 1,193 859 3,270 238 406	15, 000 48, 850 11, 200 78, 200 808, 300 10, 000	150 977 224 1, 564 26, 049 300	8, 450 6, 000 14, 015 15, 050 30, 610 3, 500 6, 000	806 129 	500 255 000 500 468 44	. 650 750 . 23,950 . 9,925 200 . 85,865 7,500 3,150	15 479 199 10 2, 146 225 158
Cat-fish Chanuel bass, fresh Croakers, fresh Drum Eels Flounders Flounders Hickory shad King fish Mullet, fresh Mullet, salted Porch Pig-fish Pike Pir-fish Porgy Sailor's choice Sas bass	5,000 17,300 3,150 84,025 2,000 28,140 8,700 38,000 242,660 39,750 17,175 90,440 4,750 20,300 28,500 50,175	519 63 1,601 60 563 435 760 6,007 1,193 859 3,270 238 400	15, 000 48, 850 11, 200 78, 200 808, 300 10, 000	150 977 224 1,564 26,049 300 671	8, 450 6, 400 8, 450 6, 000 14, 015 15, 050 30, 610 3, 500 5, 050 5, 050	806	500 255 000 500 468 44 200 1,102	9, 925 200 85, 805 7, 500 3, 150 10, 550	20 155 479 109 10 2, 146 255 158 817
Cat.fish Channel bass, fresh Croakers, fresh Drum Eels Els Els Flounders Hickory shad King fish Mullet, fresh Mullet, salted Perch Pig.fish Pike Pin.fish Porgy Sailor's choice Saa bass Shad Sheepshead	5,000 17,300 3,150 84,025 2,000 28,140 8,700 38,750 17,175 90,440 4,750 20,300 226,500 50,115 236,781 225,275	519 63 1, 601 60 563 435 760 6, 007 1, 193 859 3, 270 238 400 62 2, 007 13, 155 759	15, 000 48, 850 11, 200 78, 200 808, 300 10, 000	150 977 977 224 1,564 26,049 300 671	8, 450 6, 000 14, 015 15, 050 30, 610 3, 600 5, 000 2, 300	806	500 255 000 500 468 44 200 1,102	9, 925 200 85, 805 7, 500 3, 150 10, 550	15 479 199 10 2,146 225 158 817
Cat-fish Channel bass, fresh Croakers, fresh Drum Kels Flounders Hickory shad King fish Mullet, fresh Mullet, salted Perch Pig-fish Pike Pin-fish Progy Sailor's choice Sea bass Shad Sheepshead Sheepshead Snappers	5,000 17,300 3,150 84,025 2,000 28,140 8,700 38,000 242,660 39,760 4,750 20,300 20,300 20,500 50,175 236,781	519 63 1, 601 60 563 435 760 6, 007 1, 193 859 3, 270 238 406 602 2, 007 13, 155	15, 000 48, 850 11, 200 78, 200 808, 300 10, 000 33, 550	150 977 224 1,564 26,049 300 671	8, 600 50, 400 50, 400 6, 000 14, 015 15, 650 2, 300 5, 000 2, 300 5, 050 2 4, 200 6, 000 2, 300 6, 000	806	500 255 000 500 468 44 200 1,102	750 23, 950 9, 925 200 85, 805 7, 500 3, 150 10, 550	15 479 199 10 2,146 225 158 817
Cat.fish Chanuelbass, fresh Croakers, fresh Drum Eels Flounders Flounders Hickory shad King fish Mullet, fresh Mullet, salted Perch Pig. fish Pike Prin-fish Porgy Sailor's choice Sea bass Shad Sheepshead Snappers Spaulsh mackerel Spots, fresh	5, 000 17, 300 3, 150 84, 025 2, 000 28, 140 8, 700 38, 000 242, 660 39, 750 17, 175 90, 440 4, 750 20, 300 50, 175 236, 781 25, 275 23, 250 44, 925	519 63 1, 601 60 563 435 760 6, 067 1, 193 859 3, 270 238 400 602 2, 007 13, 155 759 581	15, 000 48, 850 11, 200 78, 200 808, 300 10, 000 33, 550 6, 000	150 977 224 1,564 26,049 300 671	8, 600 50, 400 6, 000 14, 015 15, 050 2 30, 610 30, 610 40, 500 2 4, 200 13, 700 25, 850 25, 850 30, 850 3	806	500 255 000 500 468 44 200 1,102	9, 925 200 85, 805 7, 500 3, 150 10, 550 19, 687 8, 800	20 15 479 109 10 2,146 225 158 817 204
Cat.fish Channel bass, fresh Croakers, fresh Drum Kels Flounders Hickory shad King fish Mullet, fresh Mullet, salted Perch Pig.fish Pike Pin.fish Prorgy Sailor's choice Soa bass Shad Sheepshead Spapers Spauish mackerel Sputs, fresh Squeteague, fresh	5,000 17,300 3,150 84,025 2,000 28,140 8,700 34,960 17,175 90,440 4,750 20,300 26,500 50,175 236,781 25,275 23,275 24,495 44,925	519 63 1,601 60 563 435 700 6,007 1,193 859 3,270 238 400 602 2,007 13,155 759 581 899 6,499	15, 000 48, 850 11, 200 78, 200 808, 300 10, 000 33, 550 6, 000	150 977 224 1,564 26,049 300 671 180	8, 600 50, 400 6, 000 14, 015 15, 050 2 30, 610 30, 610 40, 500 2 4, 200 13, 700 25, 850 25, 850 30, 850 3	806	500 255 000 500 468 44 200 1,102	9, 925 200 85, 865 7, 500 10, 550	20 15 479 109 10 2,146 225 158 817 875 264
Cat.fish Channel bass, fresh Croakers, fresh Drum Kels Flounders Flounders Hickory shad King fish Mullet, fresh Mullet, salted Perch Pig-fish Pike Pin-fish Prorgy Sailor's choice Sea bass Shad Sheepshead Sheepshead Spaulsh mackerel Spots, fresh Squeteague, fresh Striped bass Striped bass	5,000 17,300 3,150 84,025 2,000 28,140 8,700 38,000 242,660 39,750 17,175 20,300 26,500 50,175 236,781 22,275 24,250 44,925 148,550 8,325 8,000	519 63 1,601 60 60 760 6,007 1,193 859 3,270 238 400 602 2,007 13,155 7581 899 6,499 416	15, 000 48, 850 11, 200 78, 200 808, 300 10, 000 33, 550 6, 000	150 977 224 1,564 26,049 300 671 180 421 14,229 1	8, 600 50, 400 50, 400 6, 000 14, 015 15, 650 2, 300 10, 5, 000 2, 300 10, 5, 000 2, 300 10, 5, 000 2, 300 10, 5, 050 10	806	500 255 000 500 468 44 200 1,102 912 8,858	9, 925 200 85, 805 7, 500 3, 150 10, 550 19, 687 8, 800	20 15 479 109 10 2,146 225 158 817 204
Cat.fish Channel bass, fresh Croakers, fresh Drum Kels Flounders Hickory shad King fish Mullet, fresh Mullet, fresh Perch Plg.fish Plke Pin.fish Porgy Sailor's choice Sea bass Shad Sheepshead Shappers Spaulsh mackerel Spots, fresh Squeteague, fresh Sturawberry bass Striped bass Striped bass Striped bass	5,000 17,300 3,150 84,025 2,000 28,140 8,700 38,750 17,175 90,440 4,750 20,300 26,500 50,175 23,721 23,721 24,925 148,925 148,925 148,925 148,925 148,925 148,925 148,925 148,925 148,925	519 63 1,601 600 563 435 760 6,007 1,193 859 3,270 238 400 602 2,007 13,155 759 581 899 6,499	15, 000 48, 850 11, 200 78, 200 808, 300 10, 000 33, 550 6, 000	150 977 224 1,564 26,049 300 671 180 421 14,229 1	8, 600 50, 400 50, 400 6, 000 14, 015 6, 000 6, 000 6, 000 6, 050 6, 050 6, 050 13, 700 25, 350 13, 700 25, 350 13, 650 2, 18, 800	806 8 129 8 8 8 8 8 8 8 8 8	500 255 000 500 468 44 200 1,102 912 8,858 400 20 401 1,570	9, 925 200 85, 865 7, 500 3, 150 10, 550 19, 887 8, 800 17, 125 19, 845 875	159 199 10 2, 146 225 158 817 875 264
Cat.fish Channel bass, fresh Croakers, fresh Drum Kels Flounders Hickory shad King fish Mullet, fresh Mullet, fresh Perch Plg.fish Plke Pin.fish Prorgy Sailor's choice Soa bass Shad Sheepshead Snappers Spaulsh mackerel Spots, fresh Squetague, fresh Strawberry bass Striped bass Striped bass Striped bass Striped bass Sun.fish	5,000 17,300 3,150 84,025 2,000 28,140 8,700 34,960 17,175 90,440 4,750 20,300 26,500 50,175 236,781 25,275 236,781 24,4925 148,550 8,325 8,000 93,750 13,300	519 63 1,601 60 563 435 760 6,067 1,193 859 3,270 238 400 602 2,007 13,155 759 581 899 6,499 416 400 2,812	15, 000 48, 850 11, 200 78, 200 808, 300 10, 000 33, 550 6, 000	150 977 224 1,564 26,049 300 671 180 421 14,229 1	8, 600 50, 400 50, 400 6, 000 14, 015 6, 000 6, 000 6, 000 6, 050 6, 050 6, 050 13, 700 25, 350 13, 700 25, 350 13, 650 2, 18, 800	806 8 129 8 8 8 8 8 8 8 8 8	500 255 000 500 468 44 200 1,102 001 1,02 002 1,02 003 1,02 004 1,570 005 1,570 007 1,570	9, 925 200 85, 865 7, 500 3, 150 10, 550 19, 687 8, 800 17, 125 19, 845	20 15 479 109 10 2,146 225 158 817 204 343 967
Cat.fish Chanuelbass, fresh Croakers, fresh Croakers, fresh Crounders Flounders Hickory shad King fish Mullet, fresh Mullet, saited Perch Pig fish Pike Prin-fish Porgy Sailor's choice Sea bass Shad Sheepshead Snappers Spaulsh mackerel Spots, fresh Squeteague, fresh Strawberry bass Strawberry bass Strawberry bass Strawberry bass Strawberry bass Strawberry bass Strawberry bass Strawberry bass Strawberry bass Strawbern-Suckers Sturgeon Suckers Suckers Sun-fish Warmouth bass	5,000 17,300 3,150 84,025 2,000 28,140 8,700 38,700 39,750 11,750 20,300 26,500 50,175 236,781 236,781 24,925 148,925 148,925 8,000 93,750	519 63 1,601 600 563 435 760 6,007 1,193 859 3,270 238 406 602 2,007 13,155 759 581 899 6,499 416 400 2,812	15, 000 48, 850 11, 200 78, 200 808, 300 10, 000 33, 550 6, 000	150 977 224 1,564 26,049 300 671 180 421 14,229 1	8, 600 50, 400 50, 400 60, 000 14, 015 15, 050 2, 300 5, 050 240, 500 2 40, 500 2 41, 200 13, 700 25, 350 2, 300 13, 600 2, 300 13, 600 2, 300 2, 300 2, 300 2, 300 2, 300 2, 300 2, 300 2, 300 2, 300 2, 300 2, 300 2, 300 2, 300 2, 300 2, 300 3, 600 2, 300 3, 600 2, 300 3, 600 2, 300 3, 6	806	500 255 000 500 468 44 200 1,102 912 8,858 400 20 401 1,570 100 273	9, 925 200 85, 865 7, 500 3, 150 10, 550 19, 887 8, 800 17, 125 19, 845 875	20 15 479 10 2,146 225 158 817 875 264
Cat.fish Channel bass, fresh Croakers, fresh Croakers, fresh Croakers Kels Flounders Hickory shad King fish Mullet, fresh Mullet, fresh Mullet, salted Perch Plg.fish Plke Pin.fish Prorgy Sailor's choice Sea bass Shad Sheepshead Shappers Spauish mackerel Spots, fresh Squeteague, fresh Strawberry bass Sturgeon Suckers Sun.fish Warmouth bass Warmouth bass Whiting Shrimp	5,000 17,300 3,150 84,025 2,000 28,140 8,700 38,700 39,750 17,750 19,440 4,750 20,300 20,500 50,175 236,781 25,275 236,781 25,275 21,250 44,925 8,000 93,750 13,300 6,950 80,200 144,000	519 63 1,601 600 563 435 700 7,1193 859 3,270 238 400 602 2,007 13,155 581 899 6,499 416 400 2,812 848 755 6,498	15, 000 48, 850 11, 200 78, 200 808, 300 10, 000 33, 550 6, 000	150 977 224 1,564 26,049 300 671 180 421 14,229 1	8, 600 50, 400 50, 400 60, 000 14, 015 15, 050 2, 300 5, 050 240, 500 2 40, 500 2 41, 200 13, 700 25, 350 2, 300 13, 600 2, 300 13, 600 2, 300 2, 300 2, 300 2, 300 2, 300 2, 300 2, 300 2, 300 2, 300 2, 300 2, 300 2, 300 2, 300 2, 300 2, 300 3, 600 2, 300 3, 600 2, 300 3, 600 2, 300 3, 6	806 8 129 8 8 8 8 8 8 8 8 8	500 255 000 500 468 44 200 1,102 912 8,858 400 20 401 1,570 100 273	85, 805 10, 85, 805 10, 85, 805 10, 550 11, 125 10, 845 11, 000	20 15 479 10 2,146 225 158 817 875 264
Cat-fish Channel bass, fresh Croakers, fresh Drum Kels Flounders Flounders Hickory shad King fish Mullet, fresh Mullet, salted Perch Pig-fish Plke Pin-fish Porgy Sailor's choice Soa bass Shad Shaepshead Snappers Spaulsh mackerel Spots, fresh Strawberry bass Striped bass Striped bass Sturgeon Suckers Sun-fish Warmouth bass Whitting Shrimp Crabs, soft	5,000 17,300 3,150 84,025 2,000 28,140 8,700 34,960 39,760 17,175 90,44,750 20,300 26,500 50,175 236,781 24,925 148,550 8,325 8,000 93,750 13,300 6,950 80,200 144,000 5,120	519 63 1,601 563 435 700 6,007 1,193 8,270 238 400 2,007 13,155 758 581 809 6,499 418 400 2,812 665 348 348 575 5,700	15, 000 48, 850 11, 200 78, 200 808, 300 10, 000 33, 550 6, 000	150 977 224 1,564 26,049 300 671 180 421 14,229 1	8, 600 50, 400 50, 400 60, 000 14, 015 15, 050 2, 300 5, 050 240, 500 2 40, 500 2 41, 200 13, 700 25, 350 2, 300 13, 600 2, 300 13, 600 2, 300 2, 300 2, 300 2, 300 2, 300 2, 300 2, 300 2, 300 2, 300 2, 300 2, 300 2, 300 2, 300 2, 300 2, 300 3, 600 2, 300 3, 600 2, 300 3, 600 2, 300 3, 6	806 129 8, 252 8, 252 10, 84 10, 238 156 550 34 560 60 200 234, 210 342 151 833 19, 9,	500 255 000 500 408 44 200 1,102 912 8,858 400 20 401 1,570 100 273	950 750 23,950 9,925 200 85,865 7,500 3,150 10,550 19,687 8,800 17,125 19,845 875	20 15 479 109 10 2,146 225 158 817 264 243 967 44 48
Cat-fish Channel bass, fresh Croakers, fresh Croakers, fresh Drum Eels Flounders Flounders Hickory shad King fish Mullet, fresh Mullet, saited Perch Pig fish Pike Prin-fish Porgy Sailor's choice Sea bass Shad Sheepshead Snappers Spaulsh mackerel Spots, fresh Squeteague, fresh Strawberry bass Strawberry bass Strawberry bass Strawberry bass Strawberry bass Strawberry bass Strawberry bass Strawberry bass Strawberry bass Strawberry bass Strawberry bass Strawberry bass Strawberry bass Strawberry bass Strawbers base Strawbers, bard Suckers Sun-fish Warmouth bass Whiting Shrimp Crabs, soft	5,000 17,300 3,150 44,025 2,000 28,140 8,700 38,150 17,175 90,440 4,750 20,300 26,500 50,175 236,781 25,275 23,275 24,200 8,325 149,550 8,325 149,550 8,325 149,550 8,325 149,550 8,325 149,550 8,325 149,550 8,325 149,550 8,325 149,550 8,325 149,550 8,325 149,550 8,325 149,550 8,325 149,550 8,325 149,550 8,325 149,550 8,325 149,550 8,325 149,550 8,325 149,550 8,325 149,600 144,600	519 63 1,601 600 563 435 760 6,007 1,193 8270 238 408 2,007 13,155 581 899 6,499 416 400 2,812 605 348 755 5,760 448 1,000 28,000	15, 000 48, 850 11, 200 78, 200 808, 300 10, 000 33, 550 21, 200 316, 175	150 977 224 1,564 26,049 300 671 180	8, 600	806 8 129 8 8 8 8 8 8 8 8	500 255 000 500 468 44 200 1,102 	9, 925 200 85, 805 7, 500 3, 150 10, 550 117, 125 19, 845 875 1, 000	20 15 479 109 10 2,146 225 158 817 264 243 967 44 48
Cat.fish Channel bass, fresh Croakers, fresh Drum Kels Flounders Hickory shad King fish Mullet, fresh Mullet, fresh Mullet, salted Perch Pig-fish Pike Pin-fish Pike Pin-fish Sailor's choice Sea bass Shad Sheepshead Sheepshead Sheepshead Sheepshead Sheys Spaulsh mackerel Spouts, fresh Strawberry bass Striped bass Striped bass Striped bass Striped bass Striped bass Striped cass Warmouth bass Whiting Crabs, soft Crabs, soft Crabs, soft Crabs, hard Oysters Clams	5,000 17,300 3,150 84,025 2,000 28,140 8,700 38,900 242,660 39,750 20,300 26,540 4,750 236,781 25,275 236,781 25,275 23,280 144,955 148,955 148,955 13,300 6,950 30,200 144,000 144,000 144,000 144,000	519 63 1,601 60 563 435 760 6,007 1,193 859 3,270 238 400 602 2,007 13,155 759 581 899 6,499 416 2,812 665 348 1,000 28,000 8,100	15, 000 48, 850 11, 200 78, 200 808, 300 10, 000 33, 550 21, 200 316, 175	150 977 224 1,564 26,049 300 671 180	8, 600 50, 400 50, 400 60, 000 14, 015 15, 050 2, 300 5, 050 240, 500 2 40, 500 2 41, 200 13, 700 25, 350 2, 300 13, 600 2, 300 13, 600 2, 300 2, 300 2, 300 2, 300 2, 300 2, 300 2, 300 2, 300 2, 300 2, 300 2, 300 2, 300 2, 300 2, 300 2, 300 3, 600 2, 300 3, 600 2, 300 3, 600 2, 300 3, 6	806	500 255 000 500 468 44 200 1,102 	950 750 23,950 9,925 200 85,865 7,500 3,150 10,550 19,687 8,800 17,125 19,845 875	20 15 479 109 10 2,146 225 158 817 264 243 967 44 48
Cat-fish Channel bass, fresh Croakers, fresh Drum Kels Flounders Hickory shad King fish Mullet, fresh Mullet, fresh Pig-fish Pike Pin-fish Porgy Sailor's choice Soa bass Shad Sheepshead Shappers Spauish mackerel Spots, fresh Strawberry bass Striped bass Striped bass Striped bass Striped bass Striped bass Warmonth bass Warmonth bass Whiting Shrimp Crabs, soft Crabs, hard Oysters Clams Clams Caviar	5,000 17,300 3,150 44,025 2,000 28,140 8,700 38,150 17,175 90,440 4,750 20,300 26,500 50,175 236,781 25,275 23,275 24,200 8,325 149,550 8,325 149,550 8,325 149,550 8,325 149,550 8,325 149,550 8,325 149,550 8,325 149,550 8,325 149,550 8,325 149,550 8,325 149,550 8,325 149,550 8,325 149,550 8,325 149,550 8,325 149,550 8,325 149,550 8,325 149,550 8,325 149,550 8,325 149,600 144,600	519 63 1,601 600 6,007 1,193 859 3,270 238 400 6,207 13,155 759 581 899 6,499 416 400 2,812 665 348 750 418 400 2,812 648 1,000 8,000 8,10	15, 000 48, 850 11, 200 78, 200 808, 300 10, 000 33, 550 21, 200 316, 175	150 977 224 1,564 26,049 671 180 421 14,229 1	8, 600 50, 400 50, 400 6	806 8 129 8 8 8 8 8 8 8 8	500 255 000 500 468 44 200 1,102 912 8,858 400 20 401 1,570 100 273	85, 805 23, 950 9, 925 200 85, 805 7, 500 10, 550 11, 125 19, 837 8, 800 17, 125 19, 845 1, 000	20 15 479 109 10 2,146 225 158 817 264 243 967 44 48

Table showing the yield of the North Carolina fisheries in 1897-Continued.

	Porqu	erquimans.		Pitt.		Sampson.		ell.	Washington.		
Species.	Lbs.	Value.	Lbs.	Value.	Lbs.	Value.	Lbs.	Value.	Lbs.	Value.	
Alewives, fresh Alewives, salted	136, 579 79, 866	\$1,040 598	7,596	\$227	13,830	\$160	55, 315 581, 499	\$550 4,614	95, 669 642, 999	\$606 4,823	
Black bass Cat-fish	2,900 5,280	116 193 608	150	2	3, 500 3, 200	175 96	100	1	4, 250	177	
Eels Flounders	12, 150	[. 	2,600	66	2,000	50	3,375	135	500 20, 250	20 830	
Hickory shad Perch	7, 450° 16, 350 262, 824	654 9, 856	325 56,632	12 1	12, 250 68, 400	613 3,040	10,051	329 29, 464	24, 950 455, 780	1,050 17,092	
Striped bass Suckers		764 283	75	8	4, 650 5, 300	233 159	50, 830	3, 566	48, 950 6, 600	3, 637 198 450	
Refuse Total	542, 239	14, 936	67, 378	2.830	112, 630	4. 528	1, 486, 609	38, 659	360,000 1,659,948	28, 883	

SUMMARY.

Bonito	Snappers 34,400 88
Black base	311 Spaulal mackerel 330,840 18,0 308 Spots, fresh 716,137 9,8 344 Spots, salted 133,846 4,3 35 Squeteague, fresh 3,006,758 92,9 368 Squeteague, salted 83,496 22,9 358 Squeteague, salted 83,496 21,725 8 360 Striped bass 845,123 58,0 360 Sturgeon 371,025 13,5 322 Sunfish 88,210 1,0 373 Tautog 14,125 2 20 Tautog 14,125 2 301 Whiting 45,300 1,1 302 Shrimp 140,496 5,8 303 Shrimp 140,496 5,8
Blue-fish, fresh 1,482, 375 41,	308 Spots, fresh 716, 137 9, 8 44 Spots, salted 133, 846 4, 3 35 Squeteague, fresh 3,006, 758 92, 9 558 Squeteague, salted 83, 496 2, 2 436 Strawberry bass 21, 725 330 Striped bass 845, 123 58, 0 3504 Sturgeon 371, 625 13, 5 514 Suckers 155, 230 3, 0 122 Sun-fish 88, 210 1, 0 173 Tautog 14, 125 2 25 Warmouth bass 6, 950 3 45, 300 1, 1 3 80 Whiting 45, 300 1, 1 81 Shrimp 140, 496 5, 8 82 Crabs, soft 986, 720 3, 9
Blue fish, salted	
Bonito	35 Squetesgue, freel 8,006,758 92,9 158 Squetesgue, salted 83,496 2,2 158 Strawberry bass 21,725 8 330 Striped bass 845,123 58,0 3614 Sturgeon 371,625 13,5 3614 Suckers 135,230 3,0 3122 Sun-fish 88,210 1,0 273 Tautog 14,125 2 251 Warmouth bass 6,950 3 109 Whiting 45,300 1,1 268 Shrimp 140,496 5,8 258 Crabs, soft 986,720 3,9
Butter-fish 94, 750 1, 750 Cat-fish 192, 211 4, 550 Channel bass, fresh 64, 550 64, 550 Channel bass, salted 40, 200 1, 247, 619 18, 60 Croukers, fresh 1, 247, 619 18, 60 1, 400 1, 60 1, 60 1, 60 1, 60 1, 60 1, 60 1, 7, 70 3, 70 4, 70	758 Squeteague salted 83,496 2,2 346 Strawberry bass 21,725 88 330 Striped bass 845,123 58,0 304 Sturgeon 371,625 13,5 314 Suckers 135,230 3,0 422 Sun-fish 88,210 1,0 173 Tautog 14,125 2 51 Warmouth bass 6,950 3 169 Whiting 45,300 1,1 301 Shrimp 140,496 5,8 102 Crabs, soft 986,720 3,9
Cat-fish 192, 211 4, Channel bass, fresh 64, 550 64, 550 Channel bass, salted 40, 200 Croakers, fresh 1, 247, 619 18, Croakers, salted 31, 400 1, Drum 51, 400 1, Eols 96, 700 4, Flounders 173, 975 3, Hickory shad 230, 975 7, King-fish 358, 070 7, Mouhaden 11, 310, 000 19, Mullet, frosh 797, 425 16, Mullet, salted 2, 612, 100 73, Perch 806, 379 24,	346 Sirawberry bass 21, 725 8 330 Istriped bass 845, 123 58, 0 304 Sturgeon 371, 025 13, 5 304 Sturgeon 137, 230 3, 0 422 Sun-fish 88, 210 1, 0 773 Tautog 14, 125 2 51 Warmouth bass 6, 950 3 100 Whiting 45, 300 1, 1 883 Shriup 140, 496 5, 8 885 Crabs, soft 986, 720 3, 8
Channel bass, fresh	330 Striped bass 845, 123 58, 0 304 Sturgeon 371, 625 13, 5 4 Suckers 135, 230 3, 0 422 Sun-fish 88, 210 1, 0 7 Tautog 14, 125 22 951 Warmouth bass 6, 950 3 109 Whiting 45, 300 1, 1 88 Shrimp 140, 496 5, 8 128 Crabs, soft 986, 720 3, 9
Channel bass, salted 40, 200 Croakers, fresh 1, 247, 619 18, Croukers, eathed 31, 400 Drum 51, 400 1, Eols 96, 700 4, Flounders 173, 975 3, Hickory shad 230, 975 7, King-fish 358, 070 7, Monhaden 11, 310, 000 19, Mullet, fresh 797, 425 16, Mullet, salted 2, 612, 160 73, Perch 806, 379 24,	304 Sturgeon 371, 625 13, 5 4 Suckers 135, 230 3, 0 4 Suckers 135, 230 13, 0 122 Sun-fish 88, 210 1, 0 173 Tautog 14, 125 2 251 Warmouth bass 6, 950 3 100 Whiting 45, 300 1, 1 351 Shrimp 140, 496 5, 8 128 Crabs, soft 986, 720 3, 9
Croakers, fresh 1, 247, 619 18, 3 Croakers, salted 31, 400 1, Drum 51, 400 1, Eols 96, 700 4, Flounders 173, 975 3, Hickory shad 230, 975 7, King-fieh 358, 070 7, Monhaden 11, 310, 000 19, Mullet, fresh 797, 425 16, Mullet, salted 2, 612, 100 73, Perch 806, 379 24,	514 Suckers 135, 230 3, 0 242 Sun-fish 88, 210 1, 0 73 Tatog 14, 125 2 051 Warmouth bass 6, 950 3 169 Whiting 45, 300 1, 1 583 Shrimp 146, 496 5, 8 128 Crabs, soft 986, 720 3, 9
Cronkers, salted 31, 400 Drum 51, 400 Lols 96, 700 Flounders 173, 976 Hickory shad 230, 975 King-fish 358, 070 Mouhaden 11, 310, 000 Mullet, fresh 797, 425 Mullet, salted 2, 612, 100 Perch 806, 379 806, 379 24	122 Sun-fish
Drum 51, 400 1,	173 Tautog 14, 125 2 151 Warmouth bass 6, 950 3 180 Whiting 45, 300 1, 1 181 Shrimp 146, 496 5, 8 182 Crabs, soft 986, 720 3, 9
Eols. 96, 700 4, 700 Floundors 173, 975 3, 715 3, 715 Hickory shad 230, 975 7, 7, 17, 18, 19, 19, 19, 19, 19, 19, 19, 19, 19, 19	Warmouth bass 0,950 3
Flounders 173, 975 3, Hickory shad 220, 975 7, King-fish 258, 970 7, Monhaden 11, 310, 000 19, Mullet, fresh 797, 425 16, Mullet, salted 2, 612, 160 73, Perch 806, 379 24,	Whiting
Hickory shad 230, 975 7. King-fish 358, 070 7. Monhaden 11, 310, 000 19. Mullet, fresh ' 797, 425 16. Mullet, salted 2, 612, 100 73. Perch 806, 379 24.	583 Shrimp
King-fish 358, 070 7, Monhaden 11, 310, 000 19, Mullet, fresh 797, 425 16, Mullet, salted 2, 612, 100 73, Porch 806, 379 24,	328 Crabs, soft 986, 720 3.9
Menhaden 11, 310, 000 19, Mullet, fresh 797, 425 16, Mullet, salted 2, 612, 160 73, Perch 806, 379 24,	DED CIRCUIT COLORS
Mullet, fresh 797, 425 16, Mullet, salted 2, 612, 160 73, Perch 806, 379 24,	700 Crabs, hard
Mullet, salted	iso Olabaj marantini in antini
Perch 806, 379 24,	
Pig-fish 412, 807 10,	
	855 Claims 937, 808 53, 7
* 1 MO	064 Scallops 118, 323 5, 6
	728 Caviar
	472 Squeteaque sounds 691
rurgy	075 Refuse
Ballot B Cholco	46
	564 Total
Sea bass	

VESSEL FISHERIES.

At the time of the last general canvass of this State (1890) vessel fishing was only prosecuted from two counties, Craven and Carteret. At the present time Beaufort, Carteret, Currituck, Dare, and Pasquotank counties have vessel fisheries.

A change is noted in the vessel fisheries of Carteret County in the establishment of an offshore vessel fishery. At the time of the investigation of these fisheries 11 vessels were thus engaged, each having a crew of 5 men and carrying 3 to 8 nets, known as "sink nets," which are 300 to 390 feet long and 5 to 6 feet deep, and are operated from rowboats, called "pilot boats," the boats being part of the equipment of each vessel. The method employed in fishing with them is as follows: Upon reaching the fishing grounds in the open ocean each net is sunk to the bottom, where it is buoyed up by means of corks and marked on the surface by floats. After the last net is sunk a

return is made to the first net, and each being lifted in its proper order the catch is carried to the vessel in waiting. The number of nets fished was 49, and the aggregate catch amounted to 416,258 pounds, with a value to the fishermen of \$10,845. The vessels remain out for a week at a trip, the fishery covering a period of 8 to 10 months.

The purse seine is used in four counties, Carteret, Currituck, Dare, and Pasquotank. The total catch was 9,981,900 pounds, worth \$21,886, and was composed of menhaden, striped bass, and squeteague. Menhaden comprise by far the greater portion, the catch being 9,930,000 pounds, valued at \$17,400. They are taken only in Carteret County. In the other three counties striped bass and squeteague only are taken. The latter fishery is carried on in Albemarle Sound during the autumn months, and is of comparatively recent date.

A vessel fishery for oysters is carried on in Beaufort, Carteret, and Dare counties. The catch was 978,026 pounds, valued at \$33,607, of which Carteret County furnished 843,675 pounds, valued at \$29,029. The fishery in Dare County is conducted from Avon, and was inaugurated in 1892.

SHORE FISHERIES.

A glance at the tables shows that seines took by far the largest quantity of fish. They caught 16,248,447 pounds of fish, valued at \$318,169. The fish secured in largest quantities are alewives, amounting to 5,864,348 pounds, valued at \$55,153. The mullet and shad are each more valuable than the alewife, although the latter far exceeds them in quantity. 2,295,400 pounds of mullet, valued at \$62,574, and 1,507,242 pounds of shad, valued at \$60,235, were secured. The other prominent species of which more were secured in seines than in any of the other forms of apparatus were menhaden, black bass, perch, and spots.

The seine fisheries of Albemarle Sound section are the most important in the State. The seines, which are used for shad mainly, are among the largest employed in the United States. In Carteret County seines took 3,587,276 pounds, valued at \$54,860. Craven County is next in this respect, the seine yield being worth \$43,397, followed by Currituck, Bertie, Onslow, and Chowan counties, in the order named.

In Currituck Sound a peculiar form of seine is used. The net is knit like a small-meshed gill net and is about 150 yards long. At intervals of 3 or 4 yards oaken poles are run from the upper rope to the lower one and secured in this position. When in use a stake is driven into the muddy bottom and one end of the net secured to it. The boat is then rowed away from the stake, the net being paid out. When it is all out the boat is rowed about half of the arc of a circle around the stake and is then rowed in to the stake, when the net is hauled in. The net bags a little between the stakes and thus forms a pocket into which the fish go, and from which they are carefully lifted out of the water and dumped into the boat. The crosspieces of wood are used to prevent the

net being pushed up by the heavy grass and allowing the fish to escape. The principal species taken in this net are black bass and perch.

So far as quantity is concerned, pound nets are second in importance, taking 14,080,660 pounds of fish, valued at \$238,798. Alewives form the largest part of this catch, 9,554,989 pounds, worth \$68,513, having been taken. The most important species in point of value, and the second so far as quantity is concerned, is the shad, of which 2,328,585 pounds, valued at \$88,293, were taken. Other important species in point of value are striped bass, squeteague, and perch.

The increase in the number of pound nets in use in this State is remarkable. They were first introduced about 1874, and in 1880 only 117 were in use. In 1890 there were 950; in 1896, 1,700, and in 1897, 1,852. The Albemarle Sound region maintains the largest number of pound nets, followed by Pamlico and Oroatan sounds. The great increase in the number of pound nets, owing to their efficiency, has had a marked effect on the use of other forms of apparatus.

Although gill nets occupy third place as regards the quantity of fish taken, they are first as regards value. This is explained by the large shad catch, which has a relatively high value. Somewhat more than half the shad catch of the State is taken in gill nets. The catch of shad was 4,916,952 pounds, valued at \$205,079. The squeteague fishery is quite important, its value being \$47,199, while the value of the mullet catch is \$24,030. Dare County has a great preponderance in number of gill nets used and in the quantity and value of the catch, its principal species being shad and blue-fish. Tyrrell, New Hanover, Carteret, and Onslow counties rank in the order named so far as value of catch is concerned, although in the matter of quantity taken Carteret would be second, followed by Tyrrell, Onslow, Currituck, and New Hanover.

Gill nets are damaged a great deal by crabs, being frequently torn in getting them out of the meshes.

During the spring of 1898 several persons from the Northern States started a gill-net fishery for sturgeon in the ocean at Nags Head. They met with very good success and soon had imitators at various points along the "banks," more particularly at Whales Head, Kittyhawk, Oregon and New Inlets, and Hatteras. As this investigation was for the year 1897 this fishery does not appear in the statistical tables.

The line fishery is only prosecuted in New Hanover, Brunswick, Dare, and Martin counties. The total catch was 820,967 pounds, valued at \$27,290. New Hanover secured almost twice as much as all the other counties. The principal species taken were squeteague and pig-fish.

Wheels are used only on the Roanoke River, where they secured 117,635 pounds, valued at \$3,608. Alewives and shad were the principal species taken.

Eel pots are in use in 7 counties, the principal catch being made in Currituck County. The total yield was 93,000 pounds, valued at \$3,913.

Fyke nets occupy a very insignificant position in the fisheries of the State. They are used in 6 counties, and the total catch was 26,207

pounds, valued at \$865. Cat fish formed over half of the quantity and and almost half of the value.

"Minor nets," including skim nets, dip nets, cast nets, and shrimp nets, secured a total of 1,328,117 pounds, valued at \$13,688. Crabs occupy first place so far as quantity is concerned, while shad are first in value of catch. Carteret County is first in quantity and value, with 979,200 pounds of crabs, valued at \$3,400.

Dredges, tongs, rakes, etc., are used in 7 counties. Their total catch was 6,089,831 pounds, valued at \$266,848. Carteret County occupies first place, with 2,139,331 pounds, valued at \$85,165. The products were oysters, clams, and scallops. The oysters are the most important, and form more than four-fifths of the total catch.

The terrapin and frogs enumerated in this table were taken by hand. The heading "refuse" refers to the refuse left after the alewives have been prepared for salting, and is sold as fertilizer.

Table showing by counties and species the yield of the scine fisheries of North Carolina in 1897.

	Beauf	ort.	Berti	е.	Brunsv	vick.	Carter	et.
Species.	Lbs.	Value.	Lbs.	Value.	Lbs.	Value.	Lbs.	Value.
Vessel fisheries:		•					0.000.000	417 400
Menhaden				·			9, 930, 000	\$17,400
Shore fisheries:								
Alewives, fresh	95, 267	\$2,859	1, 012, 502	\$7,377				
Alewives, salted	46,000	695	1,069,991	9, 108		· · · · · · · ·		
Black bass	8, 100	155						· · · · · <u>· · · · · · · · · · · · · · </u>
Blue-fish, fresh		 .]. 		5, 300	\$159	224, 500	4, 170
Blue-fish, salted				-]		30, 200	789
Butter fish						• • • • • • • • •	26, 175	523
Cat-fish	27, 260	413	7, 880	379				
Channel bass	. 						9, 350	140
Croakers, fresh	50,300	755	:		17, 875	358	160, 275	1, 49
Drum	l 	. 		 .	2, 500	75	30, 600	612
Flounders	5, 275	178			5, 900	118	24, 725	493
Hickory shad	18, 464	462	4,050	182		• • • • • • • ·		• • • • • <u>• •</u>
King-fish	.						104, 590	2, 091
Menhaden						- -	1, 380, 000	2, 300
Mullet, fresh	1,075	61					119, 400	1,833
Mullet, salted	l		<i></i>		297, 600	8, : 77	630, 250	18, 600
Perch	50, 298	2, 128	11,740	470				
Pig-fish			l	! 			86, 345	1, 72
Pike	8, 250	240						
Pin-fish							8,850	15
Pompano				! .	!		25, 550	76
Porgy		l 	·	·			10, 450	17
Sea bass				!			81, 225	1, 89
Shad	105, 411	4,697	346, 364	12, 989	1			
Sheepshead	6, 250	250		'	8,450	104	82, 455	2, 22
Spanish mackerel	0, 200		l			. 	47, 525	2, 54
Spots, fresh	45,000	675			10, 312	207	103, 600	1,52
Spots, salted		1					23, 400	58
Squeteague, fresh	63, 100	946			18,725	832	335, 358	8, 28
Squeteague, salted	1			·			25, 600	67
Strawberry bass	3, 400	150						
Striped bass		1.813	11, 600	867	1,300	65	1,500	7
Suckers	8, 100	170	12, 700	373		! . <i>.</i>		
Sunfiel	3, 900	125			.	!		
Tautog		1	1		. . 	! 	8, 925	17
Turtles	1				24,000	1,920		
Terrapins		1			4,500	630	6, 428	1,00
zonapine				!		!		
Total	563, 103	16,772	2, 476, 827	31,745	391, 462	13, 345	8, 587, 276	54, 86
Total vessel and	-=-							
	563, 103	16,772	2, 476, 827	31, 745	301, 462	13, 345	13, 517, 278	72, 26
shore	503, 103	10, //2	2, 310, 821	01, 193	501, 102	10,010	20,521,210	1,

Table showing the yield of the scine fisheries of North Carolina-Continued.

	Chowa	ւու.	Crav	en.	Curr	ituck.	.	Dare.	<u> </u>
Species.	Lbs.	Value.	Lbs.	Value.	Lbs.	Value	Lb	s. '	Value.
essel fisheries:				i -	 900	345	5 3.	700	\$185
Squeteague	\			.!	4, 30	n 38		600	2, 949
Striped bass							····	300	8, 134
Squeteague Striped bass		ļ. <u></u>			5, 20		= 30,		
				1	i	1	10	000	36
Alewives, fresh	.210, 000	\$1,095	400, 066 50, 000	\$6, 010 1, 000				334	1, 92
nore fisheries: Alewives, fresh Alewives, salted Black base	1,450,003	10,875	7, 500	1 373	490, 28	0 21,69	9	.	••••
Blue-fish, fresh	l		75,000	1,500	18, 90	ს 76	5 12,	300	49
Blue-fish, fresh Butter-fish Cat-tish Croakers, fresh Croakers, salted		ا	30,000	450	50, 41	6 5u	8 3	300	9
Cat-tish	4,000	1 100	150,000	750	9, 20	0 18	4 8	500	25
Cronkers, fresh			25,000	250				050	
Flounders	200	8	23, 200	232 709				000	2
Hickory shad	23, 700	940	47, 280 35, 125	702	11,00	ю 33	10 1	, 800	٤
King-fish			39,850	380	48, 80	00 97	16	• • • • • • •	
Mullet, allted			. 50,000	1,000	326, 23	6, 57	76	,800	
Perch	10,500	325	97,700				! 		
Pig-fish	.		44, 600	440	36, 8	0 1,63	34	•••••	· · · · · ·
Pin.fish		.	. 15,700			ا		100	
Pompano		.1	19 917	182					
Porgy			18, 210		. 8, 10	00 4	40 <u>.</u>		٠٠٠٠٠
Croakers, fresh Croakers, salted Flounders Hickory shad King-fish Mullet, frosh Mullet, frosh Mullet, salted Perch Pig-fish Pike Pin-fish Pompano Porgy Scad or round robin Shad Sheopshead Spots, frosh Squetzague, fresh Strawberry bass Striped bass Suckers Sun-fish	249, 284	9,311	325, 57				··· . 72	2, 000 2, 300	2, 7 1
Sheenshead			10,000	$5 \mid 500 \\ 5 \mid 1,217$			26 L	'	.
Spanish mackerel		.	60, 20	602	2,8	ו סט	56 5	, 200	1
Spots, fresh	1		254,60	4,658		00 ; 8	80 40	3, 42 0	1, 9
Strowberry bass			10,00			00 1,3	24	5, 200	4
Striped bass	. 8,800	610	80,90		1 400 10				
Suckers	2,000				. 21,0		10	• • • • • • •	
Sun-nen		23, 390	1, 924, 78	1 43, 397	1, 116, 2	32 35, 8	71 40	5, 304	8, 2
Total	. 1,000,400	20,000		-1	I		l 	1, 604	11, 4
lotal vessel and shore	1, 958, 487	7 23, 390	0 1, 924, 78	1 43, 39	7 1, 121, 4	32 36,3		1,004 =:	
<u></u>	Martin	1. No	w Hanove	r. On	dow.	Pamli	ico.	Pasq	iotanl
Species.	Lbs. V	alue. I	bs. Valu	o. Lbs.	Value.	Lbs.	Value.	Lbs.	Valu
					- I	į	}		
Vessel fisheries: Squoteague						••••••		10,000	
Striped bass		[.]		'					-1
Vessel fisheries: Squoteague Striped bass Total				• • • • • • • •	' <u>.</u> '			10,400	2 '
10001			·	-	= =:=	i			-
Shore fisheries: Alewives, frosh. Alewives, salted. Black bass. Blue-fish, fresh Rutter-fish Cat-fish Channel bass Croakers, fresh Drum. Flounders	10 333	\$155				16, 666	\$250	97, 660	3
Alewives sulted	60, 670	500			··i·····	• • • • • • • •		107, 999 20, 713	3
Black bass		. • ˌ	5 000 \$15	a 10 30	\$309 (22, 000	440		
Blue-fish, fresh		'	5,000 \$1.			7,600	114	• • • • • • •	
Rutter-fish	4,300	172			;			4,80	١,
Channel bass			3,150	13	0 213	40, 200	201	. .	
Croakers, fresh	•	4	2.000	50			ا <u></u> . ۱		
DrumFlounders		1	3, 015 2	72 1,00	0 20	5,350 4,000	53 60	1, 40	
Hickory shad	0,000	240		· · · · · · · · · · · · · · · · · · ·	•••	8 300	124		
King-fish Mullet, fresh Mullet, salted	-	16	8 410 4.2	10 33, 20	u 664	15, 650	156	· • • • •	
Mullet, irean			0 750 1, 1	716, 80	0 21,504	15 910	459	24, 50	a i
Mullet, salted Perch	2, 200	110		:: i : : : : : : : : : : : : : : : : :	0 184	15,310 3,500	52 i		
Pig-tish	-	2	1, 125 6	34 0,20		0,000			
Pike Pin-fish						2,300		• • • • • •	
Porgy	:::[::::::]:			••• ••••		5, 050 22, 500	1,000	12, 4	io
Porgy Shad Sheepshead	62,000		0.075	73		3,000	150		
Sheepshead	¦ .	1				5, 450	136	i	٠٠٠ إ٠٠٠
Spanish mackeret.			22, 175	44		18, 350	92 926		••• •••
Southtenville			1,060 2,0		50 920 		505	1, 2	00
Striped bass	0, 000	400 / 60		85		.,	.	2,8	00
Suckers	2,000	1	44,000 5,7	60		.		·····	
Shrimp			30, 335 16,		00 23, 794	265, 451	4, 852	273, 5	17
Total		- انست		!		_	_ =	283, 9	17 5
Total vessel and sho	re. 158, 503	8,962 5	30, 835 16,	191 800, 6	00 23, 794	200, 401	1 2,002	200, 8	

194 REPORT OF COMMISSIONER OF FISH AND FISHERIES.

Tuble showing the yield of the seine fisheries of North Carolina—Continued.

	Du	plin.] :	Hertfor	d.	В	yde.			Lenoi	r.,
Species.	Lbs.	Valu	e. Li	b 8 .	Value.	Lbs.	_ v	alue.	_ I	bs.	Value.
Shore fisheries: Alewives, fresh Alewives, salted	5, 000		10	53, 337)7, 9 98	\$7,700 810				ļ 	1, 130	\$10
Black bass Blue-fish, fresh	1,000	0	60	· • · · · · · · · · · ·		28, 35,		\$420 700			•••••
Blue-fish, salted Cat-fish Drum	1, 20		24	1,400 300	42 10	16,	000	326		2, 100 1, 700	32 43
Hickory shad Mullet, fresh Mullet, salted	50	0 3	25	300		29, 50,		444 1, 250	 	['] .	
Perch Pig-fish	6, 25		13	3, 800	114	15,	100	302	ļ;	2, 525 27, 000	101
Shad	16, 20	0 7	20 3	30, 800			200 250	378 843			
Striped bass	2, 3 0 3, 2 0		15 96	1,300 4,300	80 93			• • • • • • • • • • • • • • • • • • •		1,865 1,150 3,100	131 11 46
Sturgeon	35, 65	0 1, 4	03 7	03, 235	9, 964	255,	500	4, 663		40, 570	1,394
	Pen	der.	Perqu	imans.	P	itt.	Sa	mbson	.	Washi	ngton.
Species.	Lba.	Value.	Lbs.	Value.	Lbs.	Value.	Lbs	. Val	ue.	Lbs.	Value.
Shore fisheries: Alewives, fresh Alewives, salted	1,660	\$20	23, 330 7, 200	\$340 53	7, 596	\$227	13, 33 3, 50	;	160 175	16, 670 250, 000	\$250 1,875
Black bass Blue-fish, fresh Cat-fish	450 650 750	23 20 15 354	2, 900	116	150	2	3, 20		96		
Croakers, fresh Flounders Hickory shad	17, 700 8, 300 200 47, 465	166 10 1, 186			2,600	66	2, 00	00	50		. -
Mullet, fresh Mullet, salted Perch	7, 500 3, 150 10, 550	225 158 317	3, 100	124	325	12	12, 2		613	5,000	.:
Pig-fish	8, 100 8, 800	360 264 246	36, 408	1, 365	29, 160	1, 296	36, 0	00 1,	600	128, 000	4,800
Spots, fresh Squeteague, fresh Striped bass	12, 275 14, 845 875	742 44			75	6	4,6		223 159	20,000	
Suckers	$\frac{1,600}{144,870}$	-{	72, 938	1, 998	39, 900	1,609	80, 2	- '-	086	423, 670	

SUMMARY.

Species.	Lbs.	Value.	Species.	Lbs.	Value.
Vessel fisheries:	.'		Shore fisheries -Cont'd.		
Menhaden	i 9,930,000 l	\$17,400	Pike	94, 690	\$2,370
Gteamin		250	Pin-fish	26, 850	346
Squeteague		4, 236	Pompano	25, 650	775
Striped bass	1		Porgy	33, 710	410
Total	9, 981, 900	21, 886	Soad, or round robin	8, 100	46
1000			Sea bass	81, 225	1,897
Shore fisheries:	i	l	Shad	1, 507, 242	6 0, 235
Alewives, fresh	2, 475, 153	27, 502	Sheepshead	135, 330	4, 180
Alewives, iresu		27, 651	Spanish mackerel	103, 450	4, 026
Alewives, salted		23, 322	Spots, fresh	305, 112	4, 330
Black bass		8, 428	Spots, salted	23, 400	585
Blue-fish, fresh		1,480	Squeteague, fresh	928, 833	23, 027
Blue-fish, salted	00.000	1.087	Squeteague, salted	25, 600	678
Butter-fish		2, 086	Strawberry bass	13, 400	450
Cat-fish		2, 000		204,018	12, 639
Channel bass		5, 413	Striped bass		1, 83
Croakers, fresh	511,075		Suckers		835
Croakers, salted	25,000	250	Sun-fish		46
Drum		1,073	Sturgeon		179
Flounders		1,574	Tautog	8, 925	5, 760
Hickory shad	. 113, 194	2, 864	Sbrimp	144,000	
King-fish	. 160, 815	3, 337	Turtles		1,920
Menhaden	1, 380, 000	2,300	Terrapins	10, 928	1, 630
Mullet, fresh		9,919	I	10 040 447	318, 160
Mullet, salted	1, 791, 900	52, 655	Total	16, 248, 447	510, 10
Perch		15, 634	l	00.000.047	240 051
Pig-fish		3,696	Total vessel and shore	26, 230, 347	340, 05

Table showing by counties and species the yield of the gill-net fisherics of North Carolina in 1897.

G	Beaufo	ort.	Blade	n.	Bruns	vick.	Camd	en.
Species.	Lbs.	Value.	Lbs.	Value.	Lbs.	Value.	Lbs.	Value.
Shore fisheries:	Ì				11, 500	\$230	}	
Croakers, fresh					5, 600	112		
Flounders					5, 600 12, 300		. '	
Mullet, salied.					20, 500	615	'	• • • • • • •
Pig-fish					7, 200	216	144,000	\$5,400
Shad	61, 875	\$3,7 50	22, 248	\$1,000	10, 950	219	144,000	
Spots, fresh					8, 550	342		
Squeteague, fresh Striped bass	850	68		j		ļ	2,400	168
Sturgeon	15, 000	300			· • • • • • • • • • • • • • • • • • • •			
Total	77, 725	4, 118	22, 248	1,000	76, 600	2, 067	146, 400	5, 568
	Cartor		Chow	ın.	Crav	on.	Currit	uck.
Species.	Lbs.	Value.	Lbs.	Value.	Lbs.	Value.	Lbs.	Value.
	!	'. — <u>.</u> ——-	}	l——-]			
Vessel fisheries:	ļ]	1		1		
Blue-fish	53, 650	\$1,073			¦		i	
Channel bass	5,750	1 89			· • • • • • • • • • • • • • • • • • • •	j	'	
Croakers	49,500	296 462			j			
King fish	23, 025 30, 075	448						
Mullet, fresh Mullet, salted	93, 850	2,816						
P10-118D	6,550	135	\					• • • • • • •
Pompano	6,050	183			1	·····		· • • • · · · · · ·
Sea bass	9,300	188 265				J		
Sheepshead	8,775 41,070	2,466						
Spanish mackerel Squeteague	78, 663	2, 424	1			.;	.,	
adressed account		<u>'</u> -	<u> </u>	 -	ļ	.'	·	
Total	406, 258	10, 845		===		=====	·'	====
Shore fisheries:	10.000	1.50	ļ	ļ	,		Ì	1
Alewives, fresh	10,000	150					112,500	\$675
Alewives, salted Blue-fish, fresh	258, 085	4, 152	,				. 17, 300	695
Blue-fish, salted	30, 400	780			.¦			¦ · · · · ·
Bonito	2, 350	35					400	16
Butter-fish	10,050	200 57					. 400	i
Channel bass	3, 800 57, 800	365					13,600	408
Croakers, fresh Croakers, salted		1					. 2,000	80
Flounders	10,400	208		· -	-{			····
King-fish	10, 400 64, 750 30, 200	1, 295	į		•		9,600	114
Mullot, fresh	30, 200 50, 000	453 1,500			1		10,000	500
Mullet, saited Pig-fish	52, 370	1,048	}	.]	.]	.		
Pig-nen Pin-fish	4, 200	63				.		
Pompono	.1 13, 725	412			·;·····			·
Porgy Sea bass	6, 200 23, 425	62 408					1	
Sea bass	23,423	*00	255, 200	\$9,570	236, 250	\$10,500	360, 400	13, 515
ShadSheepshead	25,325	759						
Spanish mackerel	. 68, 550	759 3, 787					4, 200	86
Spots fresh		1,358		• •••••	.		8,000	
Spots, salted	13, 300 281, 287	358 5, 614					28,000	1, 270
Squeteague, fresh Squeteague, salted	21, 850	564		.			8,000	400
Striped bass	3,000	150	16, 400	1,148	5, 700	342		974
Sturgeou			. 100, 475	2, 453	75, 000	3,750		· ·····
Sturgeon	. 5,200	104	10, 360	3, 248	10, 125	3,375		
Caviar			10, 300		10,120			
Total	. 1, 136, 927	23, 942	382, 435	16, 419	327, 075	17, 967	585, 400	18, 978
Total vessel and shore	1, 543, 185	34, 787	382, 435	16, 419	327, 075	17, 967	585, 400	18, 973
		1		_!	<u></u>		 	<u>' </u>

Table showing by counties and species the yield of the gill-net fisheries of North Carolina in 1897—Continued.

					ıpliu.		Hertford	.	Hyd	ю.
Species.	Lbs		Value.	Lbs.	Valu	e. Ll	os. V	alue.	Lbs.	Value.
Shore fisheries;			i		l					
Blue-fish, fresh	577,		\$22, 039						30,000	\$450
Blue-fish, salted		200			• • • • • • •				• • • • • • • • • • • • • • • • • • •	• • • • • • • •
Butter-fish	3,	800	130		• • • • • • •			• • • • • • •		
Channel bass		000	316 l. 4, 627	·		• • • • • • • •		· • • • • • j • ·		
Croakers, fresh	187,	400	92							• • • • • • • •
Croakers, salted King-fish	20,	500								• • • • • • • •
Mullet, fresh		400			• • • • • • • • • •					
Muliet, salted		410								.
Pig-fish									30, 400	608
Pompano		600	84	. 	i			[']		. .
Shad	2, 113,		90, 362	2, 70				\$637	247, 500	11,000
Sheepshead		925	2,656	· · · · · · •	·· ·····		• • • • • • • • • • •			
Spanish mackerel		470	1,281	• • • • • • •	;. <i>:</i>	••••••			10,000	400
Spots, fresh	111,		899						40, 300	502
Spots, salted	619,	146			' 				43, 500	560
Squeteague, areau		046	584	· • • • • • • • • • • • • • • • • • • •					40, 000	
Squeteague, salted Striped bass	32	510	2, 154						4, 750	400
Terrapins	6.	100	1, 152						-,	
Squeteague sounds	•	691	104							
Total	4, 540,	004	168, 394	2, 70	0 12	0 17	, 100	637	406, 450	13, 926
		!			1 .		 _			
Species.	Len	oir.	Now H	anover.	Опв	low.	Pan	ılico.	Pasqu	otank.
	Lbs.	Value	Lbs.	Value.	Lbs.	Value.	Lbs.	Value	. Lbs.	Value.
		!					1			
Shore fisheries:		ŀ	1				Ĭ			i
Alewives, fresh	 .		- <i></i> -		50,000	\$600			. 3, 332	\$35
Channel bass				4050	15, 000	150				
Croakers, fresh Flounders	• • • • • • •		12,500	\$250 123	38, 200	764			-	
Pickery shed	• • • • • • •	• • • • • • •	8,70 0	435	10, 200	204				
Willet fronh	• • • • • • •	;******	74, 250	1,857	45,000	900			-	
Hickory shad		(2,00,	151,500	4, 545				· · · · · · ·
Perch			.		10,000	300				
Pig-fish					25, 350	507				
Shad	25,000	\$937	236, 781	13, 155	. .	 .	18,000	\$800	213, 880	8,039
Pig-fishShadSheepshead		·			6,000	180				
Spots, fresh Squeteague, fresh	.		7, 500	150	21, 200	424			. <i></i> .	
Squeteague, fresh	• • • • • • • •	ļ	. 13, 590	680	295, 725	13, 309				
Striped bass	. .		· - <u>::</u> - <u>-:</u> :				500	20	5, 965	428
Sturgeon	• • • • • • •		93, 750	2,812				.	-	
Caviar	• • • • • • •	; • • • • • • •	12, 015	4, 539						
Total	25, 000	937	465, 211	24,001	668, 175	21, 883	18, 500	820	223, 177	8, 502
	Pen	der.	Perqui	mans.	Samp	son.	Туг	rell.	Washi	ugton.
Species.	Lbs.	Value.	Lbs.	Value.	Lbs.	Value.	Lbs.	Value.	Lbs.	Value.
		<u>,——</u>	·						-	
Shore fisheries:		i			I	ŀ		1	1	i
Croakers, fresh	6, 250	\$125			• • • • • • • •	· · · · · · ·				
Flounders	1,625						-		• •••••	·
Mullet, fresh	38, 400	960	00 000	00 454	00 500	41 000	7110 000	407 01		
ShadSpots, fresh	6, 750 4, 850	300	92, 096	\$3, 454	22, 500	∳1,000	728, 000	φ21, 31°	0 112, 800	\$4,230
Sanataggua frash	5,000	225	ļ			· · · · · · ·	} · · · · · · ·		· . • • • • • • • •	, • • • • • • •
Squeteague, fresh Striped bass	• • • • • • • •		3, 060	214	 .		47, 300	3, 311	9, 300	656
	62, 875	1,740	95, 156	3, 668	22, 500	1,000	775, 300	00 001	122, 100	4, 886

Table showing by counties and species the yield of the gill-net fisheries of North Carolina in 1897—Continued.

SUMMARY.

Species.	Lbs.	Value.	Species.	Lbs.	Value.
Vessel fisheries:			Shore fisheries-Cont'd:		J
Blue-tish	53, 650	\$1,073	King-fish	04, 850	\$2,023
Channel bass	5, 750	89	Mullet, fresh	262, 550	6, 410
Croakers	49, 500	290	Mullet, salted	711, 410	17, 620
King-fish	23, 025	462	Perch	10,000	300
Mullet, fresh	30, 075	448	Pig-fish		2, 379
Mullet, salted	93, 850	2.816	Pin-fish		63
Pig-fish	6, 550	135	Рошрано		490
Pompano	6,050	183	Porgy		62
Sea bass	9, 300	188	Sea bass	23, 425	468
Sheepshead	8, 775	265	Shad	4, 916, 952	205, 079
Spanish mackerel	41. 070	2, 466	Sheepshead		3, 595
Squeteague	78, 663	2, 424	Spanish mackerel		5, 508
Equoreague	10,000	2,721	Spots, fresh		3, 73
Total	406, 258	10, 845	Spots, salted		2, 962
TOTAL	100, 200		Squeteague, fresh	1, 295, 452	45, 651
Shore fisheries:			Squeteague, salted		1, 548
Alewives, fresh	63, 332	785	Striped bass	145, 635	. 10,033
Alewives, salted	112, 500	675	Stringen Dass	284, 225	9, 315
	882, 775	27, 336	Sturgeon		104
Blue fish, fresh	148, 600	3, 664			1, 153
Blue-fish, salted	2, 350	3, 004	Terrapins		
Bouito	14. 250	346	Caviar	32, 500 691	11, 162 104
Butter-fish	45, 800	523	Squeteague sounds	09.1	1(14
Channel bass		6. 769	Total	10 100 050	271 144
Croakers, fresh	327, 094	172	10000	10, 199, 058	371, 189
Croakers, salted	6, 400	080	Total vessel and		
Flounders	33, 950			10 005 210	200.00
Hickory shad	8, 700	435	shore	10, 605, 316	382, 034

Table showing by counties the yield of the pound-net fisheries of North Carolina in 1897.

Species.	Beaufo	ort.	Berti	ie. !	Camde	en.	Chow	m.
Sportes.	Lbs.	Value.	Lbs.	Value.	Lbs.	Value.	Lbs.	Value.
Alewives, fresh Alewives, salted Black bass	20, 600	\$393	204, 332 348, 366	\$2, 512 2, 550	69, 400 8, 333 700	\$814 75 29	2, 244, 708 3, 902, 676	\$11,005 28,984
Blue-fish	4, 500 5, 725 4, 740	90 85 71	1, 650	76	2, 400	24	7, 530	290
Croakers	83, 500	1, 252					50	
Flounders	5, 740 1, 300	86 20	12, 300	463	3, 000 400	10 90	895 49, 879	34 1, 995
Perch	10, 200 3, 200	510 112	1, 280	80	12, 200 700	36 2 28	57, 4 50 200	2, 293 16
Pompano Shad Sheepshead	60, 300 2, 100	2,680 42	115, 200	4,480	60,000	2, 250	675, 680	21,538
Spanish mackerel Squeteague Spots, fresh	4, 250 152, 835 13, 275	149 2, 292 199		·		 		
Striped bass	3, 750 1, 700	300 34	8, 857	630	18,000	1, 260	38, 330	2, 684
Suckers	377, 715	8, 315	1, 140	10, 811	175, 933	4, 963	6, 989, 598	367 69, 275

Table showing by counties the yield of the pound-net fisheries of North Carolina in 1897-Continued.

~ .	Cra	ven.	Curr	ituck.	D	are.	Her	tford.	lly	dθ.
Species.	Lbs.	Value.	Lbs.	Value.	Lbs.	Value	. Lbs.	Value.	Lbs.	Value.
Alewives, fresh	25, 000	\$375	3, 500	\$21	274, 080				2,000	\$30
Alewives, salted	05 000		1,000	12	1, 103, 000 53, 400			·	10.000	
Blue-tish	25,000 5,000	500 75	50	2	5, 000				10,650	159
Cat-fish	j 3,000	10	1,030	30	2, 350				1	
Channel bass, salted		1			40, 200					
Croakers		325			146,000				10,300	154
Eels	' 				1,500				·;•••·	
Flounders	6, 500	65	1,000	30	11,675				6, GUU	85
Hickory shad	5,000	75			4,834			4		
King-tish		202 600	0.700		3,890			19	2, 500	25
Pig-fish		000	6,700	140	19,790	7 384	1 000	19	8, 200	123
Pompano			į		2,950	162	1	· •	, 8, 200	. 123
Shad	22, 837	1.015	4,000	150	961, 256			20	4,500	200
Sheepshead		180	<u> </u>		9,400				1,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	
Spanish mackerel		382			66,000			. İ		
Squeteague		2, 260	300	15	161,475					690
Spots, fresh	40, 100	401			18, 040			 .	15, 600	207
Spots, salted					26,000			·i·····		
Striped bass		792	10,720	750	292, 647			3	3, 500	280
Sturgeon			• • • • • • • • • • • • • • • • • • •		82, 600	4, 130		46		
Total	362, 312	7, 247	28, 300	1, 150	3, 286, 087	98, 391	19, 854	488	109, 950	1,953
	Pam	lico.	Pasqu	otank.	Perqui	mans.	Tyrr	ell.	Washir	igton.
Species.	Lbs.	Value.	Lbs.	Value.	Lbs.	Value.	Lbs.	Value.	Lbs.	Value.
Alewives, fresh	10,000	\$ 150	19, 918	8206	113, 249	\$1,300	55, 315	\$550	78, 999	\$ 356
Alewives, salted			7, 000	63	72, 666	545	581, 499	4,614	392, 999	2, 948
Blue-fish	18, 300	366		!						
Butter-fish	1,000	15			- : - :	 .				
Cat-fish			3, 500	105	5, 280	193	100	1	4, 250	177
Croakers	10, 200 3, 100	51 31		·····;		-	•••••		E00	
Flounders	2, 000	150	68	2	7, 450	224	3, 375	135	500 20, 250	20 830
King-fish	5, 715	114	00	l	1, 400		0,010	100	20, 230	030
Perch	15, 300	459	5, 200	162	13, 250	530	10,050	329	19, 950	800
Shad	9,000	400	8,592	352	134, 320	5,037	57, 440	2, 154	214, 980	8, 062
Sheepshead	1,200	60				. .				
Spanish mackerel	8, 250	206		[• • • • • • • • • • • • • • • • • • •	.		l .	· · · · · ·	
Squeteague	58, 525	1, 225	· • • • • • • •			-		• • • • • • · . · .	· • • • • • • •	· • • • • • •
Spots, fresh	7, 000	70 328	9 020		7 050		9 690	255	10 850	
Striped bass Suckers	8, 200	528	2, 236 6, 000	158 180	7, 950 7, 830	550 283 .	3, 530	255	19, 650 2, 600	1,381 78
Total	157. 790	3, 625	52, 514	1, 228	361, 995	8, 662	711, 309	8, 038	754, 178	14, 652

SUMMARY.

Species.	Lbs.	Value.	Species.	Lbs.	Value.
Alewives, fresh	3, 137, 450	\$20, 163	Pig-fish	8, 200	*12
Alewives, salted	6, 417, 530	48, 350	Pike	900	4-
Black bass	700	29	Pompano	6, 150	274
Blue-fish	111,900	3, 621	Shad	2, 328, 585	88, 29
Butter-fish	16, 725	325	Sheepshead	16, 350	75
Cat-fish	33, 130	1.043	Spanish mackerel	93, 800	6, 01
Channel bass, salted	40, 200	804	Squetengue	524, 810	14, 550
Croakers	315, 000	5, 064	Spots, fresh	94, 015	1, 25
Eels	1,550	35	Spots, salted	26,000	780
Flounders	39, 010	697	Striped bass	430, 620	29, 82
Hickory shad	105, 631	4, 121	Sturgeon	84, 300	4. 16
King-fish	22, 255	568	Suckers	32, 570	1, 01
Mullet	1,300	20			
Perch	191, 970	G. 858	Total	14, 080, 660	238, 798

Table showing by counties the yield of the line fisheries of North Carolina in 1897.

	Druns	wick.	Da	ro.	Mar	tin.	Now Ha	nover.	Tot	al.
Species.	Lbs.	Value.	Lbs.	Value.	Lbs.	Value.	Lbs.	Value.	Lbs.	Value.
Shore fisheries:	· · · · · · · · · · · · · · · · · · ·		 	}	 		. 5 000	8260	5, 200	\$260
Black bass				******	! ,		3, 200	6 200	32, 100	1, 150
Blue-fish	12. 500	\$250	18,600	2800	7,000	\$280	17, 300	519		799
Cat-fish			500	1 15	1 .	1			500	15
Croakers	19 500	250	7 300	219	· • • • • • • •		25, 150	503	44, 950	
Flounders	4 000	. 80					8,400		12,400	248
King-fish	19, 125	478		i			38,000	7 6 0	57, 125	1, 238
Porch	i						17, 175	859	17, 175	859
Pig-fish	37, 602	1,316			¹	·	75, 315	2, 636	112, 917	3,952
				ļ	· · • · • · · ·		4,750		4,750	238 655
Pike Pin-fish	10, 250	249		1	;	· · · · · · · ·	20, 300		30, 550	975
Sailor's choice	1 12, 500	1 313					: 20.000	2,007	39, 000 75, 275	3,011
Sea bass	, 25, 100	1,004	4,000		1		50, 175 6, 200	186	13, 300	439
Sheepshead	3, 100	93	4,000	100		· · • • • • •	23, 250	581	34, 400	860
Sheepshead Snappers	11, 150	279		1) 	·	15, 250	305	22, 850	457
Spots	7,000	1 000	32, 500	1 105	į		93, 000	3, 720	172,000	6, 985
Squoteague								416	8, 325	418
Strawberry bass					4.000	400	4, 300	215	8, 300	615
Striped bass	j. 				1, 000		13, 300	665	13, 300	665
Strawberry bass Striped bass Sun fish Warmouth bass Whiting			1				6,950		6, 950	348
Whiting	15, 100	378				. I	j 30, 200		45, 300	1, 133
Crabs, hard]						40,000	1,000	40,000	1,000
	J	6, 702	63, 900	2.699	11,000	680	529, 040	17 200	820, 967	27, 290
Total	217, 027	0, 702	03, 300	2,000	11,000	000	020, 010	1.,200		

Table showing by counties the catch by wheels operated in North Carolina in 1897.

	Bert	io.	Mart	in.	Total.	
Species.	Lbs.	Value.	Lbs.	Value.	Lbs.	Value.
Alewives, fresh	28,000 2,100 2,000 12,400 2,000 5,000	\$252	1,000 17,335 10,000 3,000 30,000 4,800	\$18 156 300 150 1,350 336	1,000 45,335 10,000 2,100 5,000 42,400 6,800 5,000	\$18 408 300 98 230 1,908 490 150

Table showing by counties the yield of the fyke-net fisheries of North Carolina in 1897.

	Came	len.	Currit	uck.	Dar	o.	Hertford.	
Species.	Lbs.	Value.	Lbs.	Value.	Lbs.	Value.	Lbs.	Value.
Cat-lish	500	\$5	11, 000	\$330	400	\$12	200	\$(
Eels l'erch	500	5	2, 100	63		· · · · · · · · · · · · · · · · · · ·	800	2
Pike Sheepshead		(90	201	12		
SpotsSqueteague			3,000		2,000 400	100 20]
Striped bass Suckers	100	2					160	
Total	1, 180	15	16, 100	483	3, 001	144	1, 160	3:
		fartin.		Pasqu	otank.		Total.	

	Marti	n.	Pasquot	ank.	Total	
Species.	Lbs.	Value.	Lbs.	Value.	Lbs.	Value.
Alewives	1, 200	\$18	260 200 2, 000	\$3 6 100	266 13, 500 2, 000	\$3 407 100
Perci				\	3, 400 80 201	02 3 12
Spots					3, 000 2, 000 400	90 100 20
Striped bass	800	24 72	300	0 118	1, 360 26, 207	38 865

Table showing by counties the catch of eels by pots in North Carolina in 1897.

Counties.	Lbs.	Value.
Beaufort	25,000	\$750
Craven	10.000	250
Craven Currituck Dare Martin	27.450	1,533
Dare.	9, 400	312
Martin	1,000	60
Pagouotank	i 8.000	400
Pasquotank Perquimans	12, 150	608
Total	93,000	3, 913

Table showing by counties the catch by minor nets in North Carolina in 1897.

Species.	Beau	fort.	Be	rtie.	Bla	den.	Brui	swick.	Cart	eret.
	Lbs.	Value.	Llis.	Value.	Lbs.	Value.	Lbs.	Value	Lbs.	Value.
Alewives, fresh	.		7, 000 70, 000 450	\$105 630 21	. 	. '	¦			
Shad	5,400	\$240		720	9, 450	\$420	10, 125 2, 496	450	979, 200	
Total	5, 400	240	93, 450	·i	9, 450	!	27, 621	1, 025	979, 200	3, 400
Species.	Da	re.	Edge	ombe.	Ler	oir.	l Ma	rtin.	New H	anover.
	Lbs.	Value.	Lbs.	Value.	Lbs.	Value.	Lbs.	Value	Lbs.	Value.
Alewives, fresh	·¦		!		525	\$11	10, 000 61, 667	585	1	
Hickory shad	.' :				150 650	3 26	900	44		
Shad Striped bass Suckers	.¦				39, 200 2, 450 300	. 3	34, 000			
Crabs, soft			11, 925	530	43, 275	·	106, 567	2, 399	5, 120	\$448
	Pasque	i :	Pen]]	Pit	<u> </u>	<u> </u>	<u> </u>	Tota	
Species.		Value.	Lbs.	Value.	Lbs.	Value.	Samp Lbs.	Value.		Value.
Alewives, freshAlewives, saltedCat-flsh	1			······				- :	17, 000 131, 667 525	*285 1, 215 11
Eels Hickory shad Mullet, salted Perch Shad Striped bass			4, 837	\$215 3	27, 472	81, 221	9, 900	8440	150 1, 350 15, 000 2, 150 168, 309 2, 450	3 65 450 71 7,296
SuckersShrimps Crabs, soft	<u> </u>					. .			800 2,496 986,720	3 125 3, 992
Total	1, 500	45	4, 837	215	27, 472	1, 221	9, 900	440 1,	328, 117	13, 688

Table showing by counties the catch by dredges, tongs, rakes, etc., in North Carolina in 1897.

	Beau	fort.	Bruns	wick.	Carte	ret.	
Species.	Lbs.	Value.	Lbs.	Value.	Lbs.	Value.	
Vessel fisheries: Oysters	59, 500	\$1, 370			843, 675	\$29,029	
O'BOOLD			400, 000	\$22,500	1, 713, 600 307, 408 118, 323	60, 299 19, 213 5, 653	
Total			400, 000	22, 500	2, 139, 331	85, 165	
Total vessel and shore	59, 500	1, 370	400,000	22, 500	2, 983, 006	114, 194	
	Dai	re.	Rye	le.	New Hanover.		
Species.	Lbs.	Value.	Lbs.	Value.	Lbs.	Value.	
Vessel fisheries: Oysters	74, 851	\$3,208					
Shore fisheries: Oysters	113, 400 25, 600	4, 610 890	1, 666, 700 48, 000	\$45, 583 2, 400	448, 000 144, 000	\$28, 000 8, 100	
Total	139, 000	5, 500	1, 714, 700	47, 983	592, 000	36, 100	
Total vessel and shore	213, 851	8, 708	1, 714, 700	47, 983	592, 000	36, 100	
	Onsle	 ow.	Pam	lico.	Total.		
Species.	Lbs.	Value.	Lbs.	Value.	Lbs.	Value.	
Vessel fisheries: Oysters			 	! ! <u></u>	978, 026	\$33, 607	
Shore fisheries: Oysters Clams Scallops	840, 000 12, 800	\$60,000	252,000	\$9,000	5, 030, 700 937, 808 118, 323	207, 492 53, 703 5, 653	
Total	852, 800	60, 600	252, 000	9,000	6, 089, 831	266, 848	
Total vessel and shore	852, 800	60, 600	252, 000	9, 000	7, 067, 857	300, 455	

Table showing by counties the catch by miscellaneous apparatus for North Carolina in 1897.

	Bert	ie.	ļ (Chowan.			Currituck.		Dare.	
Species.	Lbs.	Value.	L) 8.	Value.	Lbs.	Value.	Lbs.	Value.	
Terrapin	500, 000	\$625	i	2, 200	\$3, 703	1,800	\$4 50	151	\$33	
Total	500, 000	625	2, 96	2, 200	3, 703	1,800	450	151	33	
	Martin.				Washin	gton. Total.				
Species.	Lbs.	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	alue.]	Lbs.	Value	,]	Lbs.	Value.	
Terrapin	40,	000	\$50	· · · · · · ·	360, 000	845	30 3	151 1, 800 862, 200	\$33 450 4, 828	
Total	40,	00υ	50		360, 000	45	50 3	864, 151	5, 311	

The shad is the preeminent fish in North Carolina so far as value is concerned. The following table shows the number caught during the years 1889, 1890, 1896, and 1897. The continued preponderance of Dare County in this fishery is clearly brought out, the catch in 1897 being almost one-third that of the entire State.

Table showing the number of shad taken in each county in North Carolina in 1889, 1890, 1896, and 1897.

Counties.	1889.	- 1890.	1896.	1897.
Beaufort	No. 59, 618	No. 65, 050	No. 54, 282	No. 51, 774
Bertie	161, 050	106, 800	148, 950 6, 202	122, 491 7, 044
Brunswick	6, 894		7, 434	2, 250
Carteret	26, 600 7, 5 7 1	39, 375 5, 750	33, 000 21, 151	51,000
Chowan	119, 126	125, 841	348, 898	270, 041
Columbus	• • • • • • • • • • • • • • • • • • • •		1, 220 2, 265	
Currituck	54, 400	70, 763	36, 053	91, 100
Dare	595, 217 4, 035	690, 749 3, 210	675, 700 3, 534	786, 782 4, 200
DuplinEdgecombe	24,048	20, 694	1, 960	2,650
Gates	4,300	4,760	700	
Greene	6, 354	8, 150	4, 193 12, 870	12,095
Hyde	19, 850	27, 780	50, 365	56,000
Johnston	7,000	7, 497	850 14, 787	21,356
Martin	24,000	26,410	54, 089	31,500
New Hanover	43, 677 7, 194	37, 700 5, 543	40, 038	52, 618
Pamlico and Craven	145,000	148,000	160, 383	141,000
Pasquotank	34, 479 31, 783	37, 830 26, 160	59, 398 8, 492	58, 728 4, 375
Perquimans	30, 390	27, 750	51, 324	65, 706
Pitt	8, 794 6, 714	1 0, 736 5, 350	13, 382 6, 130	12, 585 15, 200
Tyrrell	28, 480	32,850	156, 169	196, 360
Washington Wayne	73, 822	71, 105	119, 839 3, 146	113, 945
Total	1,530,394	1, 612, 594	2, 096, 804	2, 170, 800

INDUSTRIES.

The shore enterprises of North Carolina dependent on the fisheries are of considerable importance. The prominent features of each of these is shown in the tables that follow, which are presented in a condensed form.

The menhaden business of North Carolina is centered in the vicinity of Beaufort, and six factories were operated in 1897. The capital invested in buildings, vessels, apparatus, etc., was \$102,840, the number of persons employed was 200, the value of the fish handled was \$19,605, and the value of manufactured products \$35,527.

The wholesale trade and canning industry was carried on by 27 firms which included 1 establishment canning oysters and 1 canning clams. To avoid showing private business of these two canneries they have been combined with the firms dealing in fish, oysters, etc. The products sold had a value of \$411,941. More than half of this amount represented fresh and salted fish, while the oysters that were sold open brought \$100,181 for 149,181 gallons.

There was only one oyster-canning establishment in operation in 1897, and its output was small.

The oyster-packing industry shows a large decline, owing to the withdrawal of many firms formerly engaged in this business throughout the State. In Elizabeth City 13 firms thus engaged withdrew from the trade.

A new industry, that of canning clams, has been started at Ocracoke.

Table showing the extent of the menhaden industry of North Carolina in 1897.

Items.	No.	Value.	Items.	No.	Value.
Establishments Cash capital Shore employees Fishermen Menhaden handled Tons of scrap prepared Gallons of oil	73 127 19, 250, 000 1, 830		Steam vessels fishing Tonnage Outfit and apparatus. Sail vessels fishing Tonnage Outfit and apparatus. Sail vessels transporting Tonnage Outfit	124. 92 8 113. 92 60. 20	6, 350

Statement showing by localities the wholesale trade in fishery products for North Carolina in 1897.

_	Beaut	ort.	Elizabet	h City.	Morehea	d City.	Newb	ern.	
Items.	Quantity.	Value.	Quantity.	Value.	Quantity.	Value.	Quantity.	Value.	
Satablishments	4	\$5,600	2	\$2,695	6	\$10, 800	! 4	\$25,400	
Mthombullenien	· •	14 200	1	5, 500		23, 900	l	25,000	
Cash capitaltons	110	550	220	1,100		4,840	800		
alt usedbush					700	210			
ImployeesNo	61			l	19		184		
roducts handled:			!	i		i	(:	
Oysters sold open galls		' - -	!	! ! • • • • • • • •	24, 927	15,066	50, 754	36,00	
Oysters cannedcans	120, 600	7, 250		. 		1		}	
Clamsbush		4,500		ļ	23, 250				
Scallons sold open galls		i	'		4, 147		1		
Crahs soft	l				4, 800	240			
Fish, fresh and salt lbs	350, 000	14,000	1, 048, 833	39, 475	1,406,868	56, 274	1,565,000	60,60	
	<u></u>		!		Marsha	Marg	<u> </u>	·	
	Washir	igton.	Wilmir	gton.	Ocrac	oke,	Tot	al.	
Items.	i		!		and Bel	haven.			
	Quantity.	Value.	Quantity.	Value.	Quantity.	Value.	Quantity.	Value	
Catablishments	3	\$0.000	4	\$20.200	4	\$8.650	27	\$82, 34	
	,	18 000		21 000	. .	12,000		117,60	
ash capital	540	2 700	410	2.050			3, 050	15, 24	
alt usedbush	800	240	1	1			1,500	45	
EmployeesNo	14	[13		147				
moderate handled	L	!	1	ì	Ì				
Oreters sold onen mills.	1		18,000	13,500	55, 500	35,550	149, 181	100, 18	
Canal Cana	1	1			[120,000	7, 25	
Clamsbush							28, 250	25, 42	
Clams cannedcans					56, 300	9, 850		9, 85	
Scallong gold onen galla	1						4, 147	2, 73	
Crobe soft No.	Í 	[-	37, 200	2, 015	120, 000	6, 500		8, 75	
Craha hardNO			02,400	1,300		·	62, 400	1, 30	
Shrimn hush	1	l	2,800					9,86	
		10 400	250,000	25,000	1	1	IR OBA 076	248, 78	
Fish, fresh and salt. lbs	11, 144, 275	48.430	7,425	2,805				2, 80	

FISHERIES OF SOUTH CAROLINA.

The commercial fisheries of the State are carried on chiefly in the bays and near the outlets of the rivers in Beaufort, Charleston, and Georgetown counties, the cities of Charleston and Georgetown being the principal fishery centers. The fisheries of the interior waters are to a considerable extent for local use, shad comprising the principal part of the catch.

In the Charleston fish markets, both wholesale and retail, sea bass, whiting, and shad are the leading species. One species, not often found in fish markets, was the shark, which is skinned and cut up into strips and sold in small bunches of from 1 to 2 pounds, at 10 cents a bunch. Some 30,000 pounds of sharks are sold during the year to the negro population. All fresh fish are sold by the piece or the bunch, the latter being made up of small-sized pan-fish. Terrapin are found in more or less abundance in the bays, creeks, and inlets of Beaufort and Charleston counties, the larger portion being taken at or near McClellanville. Terrapin are secured by nets, and by hand-picking as found buried in the sand or mud, and are reported as becoming scarce. The sturgeon fishery is one of the most valuable branches of the fish business of Georgetown County. Sturgeon are taken by gill nets of from 12 to 15 inch mesh, and an average of 900 feet in length, being 20 to 22 feet The sturgeon are all of quite large size, ranging from 100 to 300 pounds, with an average of 125 pounds. Occasionally much larger fish are taken. The sturgeon catch of Georgetown County is made in and near the mouth of the Santee River, in Winyah Bay and Waccamaw River as far as Laurel, the largest part of the catch being made in the lower end of Winyah Bay.

The shad is the most important species in this region, both as to quantity and value. The shad catch of Georgetown County is all made by means of gill nets fished in Winyah Bay, Waccamaw, Peedee, Black, and Santee rivers, the greater part being from Winyah Bay and Waccamaw River. The catch from the three last-mentioned rivers is mostly used locally. The shad nets employed in the waters of Winyah Bay and Waccamaw River are 5½-inch mesh, 1,000 to 1,200 feet in length and 22 feet deep. The shad catch is reported as having much improved of late years, as a result of large plantings of shad fry. The season's catch of 1897 and 1898 averages 500 shad to each net, the average weight being 4 pounds, with many of 6 and 8 pounds. One caught in Winyah Bay in February, 1898, was reported to have weighed 10 pounds.

The fisheries of this section are of much value to the city and county of Georgetown, where several firms act as agents for or partners of the fishermen, furnishing them with nets and supplies, and receiving, packing, and forwarding the catch to northern markets.

Beaufort County fisheries are chiefly represented in products by oysters, that are mostly sold to the canneries located at Ladies Island,

near Beaufort, and canneries in Georgia, at Wilmington Island and Thunderbolt.

Small vessels from Savannah cruise along the waters of Beaufort County, buying a considerable amount of terrapin from the residents. Of the large variety of sea fishes to be found in this section very little attention is given to any except drum, which are plentiful, and weigh from 20 to 150 pounds. During the short run of drum, extending only through March and April, from 50 to 75 boats from Beaufort engage in the fishery, their aggregate catch for the season amounting to 150,000 to 200,000 pounds. Drum are sold by fishermen at from 25 to 50 cents apiece, or an average of about one-half cent a pound. They are mostly used locally, all surplus being shipped by steamer to Charleston.

The following series of tables contain condensed statistics of the fisheries of this State. There were employed in 1897, 2,139 persons, 59 of this number being engaged on vessels, 10 on vessels transporting, 1,865 in the shore and boat fisheries, and 205 were shoresmen. The investment in the fisheries of the State was \$174,354. There were 12 fishing vessels, valued at \$6,300; 1,056 boats were employed, worth \$34,080. Gill nets constituted the most important form of apparatus of capture, and were valued at \$23,840. Seines were valued at \$3,045; tongs and rakes at \$1,692. The shore property and the cash capital amounted to \$93,855.

The yield of the fisheries of the State was 5,280,446 pounds, having a value of \$210,456. The value of oysters taken was \$45,360, of whiting \$28,405, of shad \$27,696, and of sea bass \$26,356. The yield of shrimp was worth \$18,395, sturgeon \$7,325, caviar \$17,525, terrapins \$9,635.

Persons employed.

How engaged.	No.
On vessels fishing	59 10 1,805 205
Total	2, 139

Table of apparatus and capital.

Items.	No.	Value.	Items.	No.	Value.
Vessels fishing. Tonnage Outfit Vessels transporting. Tonnage Outfit Boats Apparatus of capture—vessel fisherice: Selnes. Lines Tongs.	28.03 1,056	5,700	Apparatus of capture—shore fisheries: Seines	244	48, 800

Table of products.

Species.	Lbs.	Value.	Species.	Lbs.	Value.
Alewives	2,000	\$40	Sheepshead	36, 200	\$1,460
Black bass		30	Snappers	54,000	1,660
Blue-fish		1,600	Spanish mackerel	10,000	1,000
Cat-fish		535	Spots and croakers	49, 000	730
Channel bass		2,500	Squeteague	80,000	2, 030
Drum	0-4'000	1, 875	Striped bass	10, 100	556
	1 00 000	1, 170	Sturgeon	411, 100	7, 32
Groupers		1,516		638, 500	28, 40
		885	Crabs	1 110, 000	2, 240
Mullet, fresh		200	Shrimp	374, 500	18, 393
Mullet, salted	0.000	40	Terrapins	40, 916	9, 63
Perch		300	Oysters	21, 504, 800	45, 36
Pompano		440	Clams	3 185, 400	8, 65
Sailor's choice				69, 805	17, 52
Sea bass	632, 400	26, 356	Caviar	00, 000	21,020
Shad	506, 125	27, 696		5, 280, 446	210, 450
Sharks	30,000	300	Total	0, 200, 440	ii (U, 46)

^{1 330,000} in number.

The tables presenting the fisheries of this State by counties show the most important fisheries to have been carried on in Charleston County, where 989 persons were employed, \$104,747 invested, and the products valued at \$124,473. In Georgetown County the yield of the fisheries was valued at \$50,237, while in Beaufort County the value was \$34,546. In Colleton County the fisheries are of small importance, the catch being confined to oysters, which were valued at \$1,200.

Table showing the number of persons employed in the fisherics of South Carolina in 1897.

How engaged.	Beaufort County.	Charleston County.	Colleton County.	George- town County.	Total.
On vessels fishing On vessels transporting Bust or shore fishermen Shoresmen	477	59 10 873 47	25	4 90 68	59 10 1, 865 205
Total	567	989	25	558	2, 139

Table showing by counties the vessels, boats, and apparatus employed in the fisheries of South Carolina in 1897.

	Bes	aufort.	Charle	eston.	Colleton.*		Georgetown.		Tot	al.
Items.	No.	Value.	No.	Value.	No.	Value.	No.	Value.	No.	Value.
Vessels fishing			12 224. 90	\$6,300					12 224. 90	\$6,300
Outfit Vessels transporting			28. 03	3, 157 5, 700					28. 03	3, 157 5, 700
Tonnage Outfit	281	\$5,740	405	585 17, 195	25	\$200	345	\$10, 945	1, 056	585 34, 080
Apparatus—vesselfisheries: Seines		 	1	30 440			l ••••• ••••	! 		30 440
Tongs			2	14					87	3, 013
Seines	18	650 125	43 79 98	1, 865 3, 600 490			26 329	20, 240	408 123	23, 840
Cast nets Bow nets Lines				870			20	60 15	20	60 988
Tongs and rakes	100	700	93	651			51	327	244	1, 678 45, 058
erty		3, 680 8, 000		32, 850 31, 000		25		8, 500 9, 800		48, 800
Total		18, 995		104, 747		225		50, 387		174, 354

^{*}No apparatus shown for this county. The men employed picked oysters from reefs by hand.

²214,900 bushels.

² 23,175 bushels.

Table showing by counties and species the yield of the fisheries of South Carolina in 1897.

	Beauf	ort.	Charle	ston.	Colle	ton.	George	stown.	Tota	al.
Species.	Lbs.	Value	Lbs.	Value.	Lbs.	Value.	Lbs.	Value.	Lbs.	Value.
		<u> </u>		i			2,000	\$40	2,000	\$40
Alewives	. .						1,000	30		30
Black bass	· ·		40,000	41 800		ı	1,000		40,000	1, 600
Blue-fish			25, 000	500	l: : : : : : : : :		3,500	35	28, 500	535
Cat-fish		1				1	0,000	1	110,000	2,500
Channel bass		₹ 500	35,000	2,000	 	i			215,000	1,875
Drum			33,000	1 170		1			33,000	1, 170
Groupers	• • • • • • • •	!	3,800	1, 176	1	1 .	33, 000	1,440	36, 800	1,516
Hickory shad		390					3,000	45	46,000	885
Mullet, fresh	13,000	290	30,000	* *30			10,000	200	10,000	200
Mullet, salted	• • • • • • • •	.!	· • • • • • • • • • • • • • • • • • • •		7		2,000	40	2,000	40
Perch	•••••		5, 000	300	1	1		l	5,000	300
Pompano		1			l		1	1	8, 800	440
Sailor's choice	800		626, 400	96 056		ļ	i		632, 400	26, 356
Sea bass	6,000	300	28, 125	20,000	1		478,000	26, 290	506, 125	27, 696
Shad	· • • • • • • •	.,			'		10,000		30,000	
Sharks			30,000	1 400					36, 200	1,460
Sheepshead	1, 200			1,400			ļ		54,000	1,660
Snappers		. ;	54,000		1	1	1	1		
Spanish mackerel		• . • • • • • •	10,000	1,000				.	1 22,222	
Spots and croak-		!		1 100	ì		i	1	49,000	730
ers	6, 000						9,000	350	80,000	2, 030
Squeteague		200					5,000	250	10, 100	
Striped bass	. 	.	5, 100	300			200, 000	4,000	411, 100	7, 325
Sturgeon	(.	·/·:·:::::	151, 100	3, 323	1		1,500	30	038, 500	28, 405
Whiting	42,000	1,700		26, 675	i				110,000	2, 240
Crabs	3,000	100	97, 000				10,000		374, 500	18, 395
Shrimp	16, 500		358, 000	17,900			4,000		40, 916	9, 635
Terrapins	10,028		26, 888	6, 960					1,504,300	45, 360
Oysters	998, 200	23,680	329,000			φ1, 200	23, 000	1 863	185, 400	8, 652
Clame	84, 200	3, 356	78, 200			.1	57, 375		69, 805	17, 525
Caviar			12, 430	3, 181			1 01, 313	17, 042	55,000	1
		-			01.000	1 000	1005 175	50 997	5 280 446	210, 456
Total	1, 374, 928	34, 546	2, 826, 043	,124, 473	+ 84, 000	1,200	.000, 475	.00, 231	0,200,410	1210, 200

PRODUCTS IN RELATION TO APPARATUS.

The catch of the vessel fisheries amounted to 243,000 pounds, valued at \$11,166. The principal part of the catch by vessels was made by lines, the fishes taken being sea bass, groupers, red snappers, and squeteague, with a total value of \$8,816. The shore fisheries are of vastly greater importance. The catch by lines amounted to 1,766,200 pounds, with a value of \$61,055; the catch by gill nets 1,030,630 pounds, with a value of \$54,302. The yield of oysters and clams by tongs and by hand was worth \$52,662. The catch by seines amounted to 191,516 pounds, valued at \$12,681, while the yield by bow nets and cast nets was 379,000 pounds, worth \$18,590.

Table showing by apparatus and species the yield of the vessel fisheries of South Carolina in 1897.

	Seines.		Line	8.	Tongs.			Total.		
Species.	Lbs.	Value.	Lbs.	Value.	Lbe	s. 	Val	16.	Lbs.	Value.
Groupers Red snappers Sea bass Squetengue Terrapina Oysters Clams Total	2,000	\$1,000	196,400	\$720 100 7, 856 80 8, 816	14,		\$1,		18,000 4,000 196,400 3,000 2,000 14,000 5,600	7, 856 80 1, 000 1, 000 350

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Table showing oy counties, apparatus, and species the yield of the shore fisheries of South Carolina in 1897.

Apparatus and	Beauf	ort.	Charle	ston.	Colle	ton.	Georg	etown.	Tot	al.
species.	. Lbs.	Value.	Lbs.	Value.	Lbs.	Value.	Lbs.	Value.	Lbs.	Value.
Seines: Channel bass Hickory shad Mullet, fresh	8, 000 10, 000	\$400 300	50, 000 800 30, 000	\$1,000 16 450			3,000	\$45	58, 000 800 43, 000	\$1, 400 16 795 140
Mullet, salted Sailor's choice Sea bass Spots	800 4,000	40 200	3, 000	30		 	7, 000	140	7,000 800 4,000 3,000	40 200 30
Squeteague Striped bass Whiting Crabs	3, 000 2, 000	100	4,000 2,500	200 150			7,000	150	12,000 2,500 2,000 7,000	500 150 100 140
Shrimp Terrapins	4, 500 10, 028	135 2, 075	8,000 24,888	400 5,960		<u></u>	4,000	600	12,500 38,916	535 8, 63 5
Total	42, 328	3, 400	123, 188	8, 206			26, 000	1,075	191, 516	12, 681
Gill nets: Black bass Hickory shad Mullet, salted Shad Squeteague			3,000 ; 28,125	60 1,406			1, 000 25, 000 3, 000 478, 000 4, 000	30 1,000 60 26,290 200	1,000 28,000 3,000 506,125 4,000	200 27, 096 27, 096
Squeteague Striped bass Sturgeon Caviar			2, 600 151, 100 12, 430	3, 325 3, 181			<u>'</u> ——	250 4,000 14,344	7,600 411,100 69,805	7, 325 17, 525
Total			197, 255	8, 128			833, 375	46, 174	1.030,630	54, 302
Lines: Blue-fish	180,000	1,350	40,000 25,000 50,000 35,000 15,000	1, 600 500 1, 000 525 450			2, 500	25	40,000 27,500 50,000 215,000 15,000	1,600 525 1,000 1,875 450
Perch	2, 000	100	5, 000 8, 000 430, 000 30, 000	300 400 18, 200 300			2,000	40	2,000 5,000 8,000 432,000 30,000	400 400 18,300
Sheepshead Snappers Spanish mackerel Spots and croak.	1,200	80	35, 000 50, 000 10, 000	1, 400 1, 500 1, 000				 	36, 200 50, 000 10, 000	1, 460 1, 500 1, 000
ers Squeteague Whiting Crabs	6,000 40,000 3,000	300 1,600 100	40, 000 60, 000 595, 000 97, 000	1, 200 26, 675 1, 940			1,500 3,000	30 60	46, 000 60, 000 636, 500 103, 000	700 1, 200 28, 305 2, 100
Total	232, 200	3, 510	1,525,000	57, 39 0			ε, 000	155	1,766,200	61, 053
Bow nets: Alewives Cat-fish Hickory shad							2, 000 1, 000 8, 000	40 10 440	2,000 1,000 8,000	40 10 440
Total		<u></u>					11, 000	490	11,000	490
Cast nets: Channel bass Mullet Squeteague Shrimp	2,000 3,000 1,000 12,000	100 90 50 360	350, 000	17, 500					2,000 3,000 1,000 362,000	100 90 50 17, 860
Total	18,000	600	350, 000	17, 500					368, 000	18, 100
Tongs and hand- picked: Oysters Clams	998, 200 84, 200	23, 680 3, 356	315, 600 72, 600	18,000 4,083	84, 000	\$1,200	93, 100 23, 000	1, 480 863	1,490,300 179,800	44, 360 8, 302
Total		27, 036	387, 600	22, 083	84, 000	1, 200	116, 100	2, 343	1,670,100	52, 862
Grand total	1,374,928	34, 546	2,583,043	113, 207	84, 000	1, 200	995, 475	50, 237	5,037,446	199, 290

During 1897 the city of Charleston had \$62,750 invested in the wholesale fish business, the quantity amounting to 2,756,480 pounds, having a value of \$142,537. Of the quantity, 1,172,000 pounds were mullet, derived chiefly from Florida.

Table showing the extent of the wholesale fish trade of Charleston, S. C., in 1897.

Items.	Quantity, etc.	Value.	Itoms.	Quantity, etc.	Value.
Establishments Cash capitul Tons of ice consumed Employees Products handled: Blue-fish Cat-tish Clannel bass Drum Groupers Hickory shad Mullet, fresh Mullet, salted Pompano Shad Sea bass Sheepshead	1, 000 44 Pounds	·	Spots and croakers Squeteague. Striped bass Sturgeon Sun-fish and perch Whiting Other fish Shrimp Crabs, hard Crabs, soft Terrapins	67, 000 11, 500 308, 000 44, 000 13, 600 95, 500 1, 600 18, 700 *80, 255	\$1, 350 1, 150 1, 110 921 501 2, 830 2, 805 2, 200 2, 865 2, 865 2, 865 8, 770 8, 549 9, 434 938

^{* 11,465} bushels.

†20,100 bushels.

Table showing the extent of the oyster-canning industry of South Carolina in 1897.

Number of establishments	3
Value	\$4, 700
Cash capital	\$9,100
Employees	133
Employees	
Raw products utilized: Oystersbushels	62. 840
Oysters	\$6, 28
Value	1. 11
Clamsbushels	
Volue	\$259
Oysters, 1-pound cansnumber	372, 26
Value	\$19, 52
Oysters, 2-pound causnumber	9, 570
Value	\$95
Value	13, 20
Clams, 1-pound cansnumber	
Value	\$00

Two of these canneries are located in Georgetown County and one in Beaufort County; those in the former county are mostly engaged in packing vegetables. Only the property, cash capital, and employees engaged in the oyster business are shown for these canneries.

FISHERIES OF GEORGIA.

In 1897, 1,869 persons were engaged in the fisheries of Georgia—159 in the vessel fisheries, 1,245 boat fishermen, and 465 shoresmen.

The investment in the fisheries amounted to \$284,864. Fifty-one vessels were employed, worth, with their outfit, \$28,833, and 680 boats, valued at \$20,277. The apparatus of capture was valued at \$17,898, while the shore property and cash capital amounted to \$217,856.

The yield of the fisheries of this State was 4,993,100 pounds, worth \$170,605. The most important items in the fisheries of Georgia are oysters, the yield being valued at \$86,709, and shad, the value of which was \$46,705. The catch of terrapin was valued at \$11,254, and sturgeon at \$4,060. The value of products, when compared with that of 1890, shows an increase of \$47,042.

Persons engaged.

How engaged.	No.
In vessel fisheries. In shore or beat fisheries.	150 1, 245 465
Total	1,869

Table of apparatus and capital.

Itoms.	No.	Value.	Items.	No.	Value.
Vessels fishing. Tonnage Outfit Boats fishing Boats transporting Apparatus—vessel fisheries: Dredges Oyster tongs Oyster grabs	641.80	\$21, 425 7, 408 16, 677 3, 600 50 266 236	Apparatus—shore fisheries: Pound nets	203 134	\$800 11, 905 2, 305 385 25 205 1, 469 162 106, 356 111, 500 284, 864

Table of products.

Species.	Lbs.	Value.	Species.	Lbs.	Value.
Alewives. Black bass Cat-fish Channel bass Croakers Drum Eels Flounders. Hickory shad Mullet Perch Saitor's choice Shad	25, 060 4, 600 157, 600 23, 800 18, 100 14, 300 5, 500 7, 775 56, 600 600 787, 550 25, 600	\$500 322 2,734 1,190 055 592 100 290 262 1,310 140 30 46,705 1,250	Squeteague. Striped bass. Sturgeon Sun-lish Whiting Shrimp Crabs Terrapins Turtles Oysters Clams Caviar	54, 650 9, 000 147, 700 3, 900 45, 700 67, 600 34, 785 1, 000 53, 406, 440 0, 600 4, 993, 100	\$2, 51; 53(4, 06, 199; 2, 10; 2, 53; 1, 86 11, 25; 86, 70; 2, 58; 170, 60

THE FISHERIES BY COUNTIES.

The most important fisheries of this State in respect to persons employed, capital invested, and value of products are located in Chatham County. The vessel fisheries are located here chiefly, and it not only leads in the yield of the principal products, but in nearly all of the minor products. The yield of the fisheries in Chatham County in 1897 was 3,162,745 pounds, valued at \$127,621. The values of the products of the fisheries of the other counties are as follows: Glynn County, \$22,678; Camden County, \$7,000; McIntosh County, \$6,900; Bryan County, \$3,801; Wayne County, \$2,380; Liberty County, \$225.

Table showing by counties the vessels, boats, and apparatus employed in the fisheries of Georgia in 1897.

Br	yun.	Car	nden	l (Chath	am.	Gly	nn.
No.	Value.	No.	Value	. No).	Value.	No.	Value.
						\$16,700	11	\$4, 475
			l	533.	32		98.33	1 600
			1000000		::::			1,630
	\$184	58	\$1,210) 4			00	1, 138
		}	• • • • • •	·•i	30	8,000		
		i	1	i i	ا ي	50	i	
	1 • • • • • • •			•••			2	14
• • • • •	, .						30	46
. -	· • • • • • • • • • • • • • • • • • • •			• •	i	1	ļ	
					4	800 1		.
	600	37	869	51	252 :	7,640	25	570
20	1 000	"			37	1,375	11	360
		1			37		25	100
•••••	1		·		50			
					'		···-·-;·	35
		. 20	14					4:
		. 7৪	7	8 !	50 j		· · · · · · · · ·	33, 000
	1,000			•• ••••		72, 000		10,000
			• • • • • •			101, 500		10,00
						224, 750		51, 410
			<u></u> .					<u></u>
Liberty.			1cIntos	sh.	w	ayne.	· T	otal.
No.	Value.	No	. V	alue.	No.	Value.	No.	Valuo.
		i	- i	#950			51	\$21,42
		10		φωσο				4,
		. 10.	10 i	153				7,40
	494		51		21	\$178	650	16,67
, '	φ24				1 .		30	3,60
		1			h	1	i _	۔ ا
								5 20
	.l							23
·		-	3	5			17.0	~
		1					1 4	80
			::			600		11.50
				1,000	20		.i 66	2,38
1		•	18	100			82	38
			20	100			50	:
				20			1	20
1				20	1	• •••••		
							203	
	.		ß	9				16
			G					106, 38
			G	9				106, 3
			6	9				106, 35 111, 50
	24 24 20 20 Li Li No.	24 \$184 20 600 8 1,000 1,792 Liberty. No. Value.	No. Value. No. 24 \$184 58 20 600 37 8 20 1,000 1,792 Liberty. M No. Value. No. 10. 3 \$24	No. Value. No. Value 24 \$184 58 \$1,210 20 600 37 80	No. Value No. Value No. San No. Value. No. Value. No.	No. Value. No. Value. No. Value.	No. Value. No. Value. No. Value. No.	

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Table showing the number of persons employed in the fisheries of Georgia in 1897.

Counties.	Vessel fishermen.	Boat fishermen.	Shores- men.	Total
Bryan	126	40 116 769	331	40 116 1 1, 226
Chatham Glynn	30	170	131	331 6
Wayne		102 42	3	108 42
Total	159	1, 245	465	1,869

Table showing by counties and species the yield of the fisheries of Georgia in 1897.

	Bry	an.	Canic	len.	Chath	am.	Glyn	n
Species.	Lbs.	Value.	Lbs.	Value.	Lbs.	Value.	Lbs.	Value.
					25,000	\$500	.	
AlewivesBlack bass		\$98			3, 200	224		
Black bass Cat-fish	1,400				154, 500	2, 685	300	
Channel bass					14, 100	705	2, 400	120
					11,900	395	5, 300	
					8, 300	412	1,500	45
					5,000	100		
Etis							4, 300	
Flounders Hickory shad	1.000	28			4,775	134	500	
Mallet			. 		32,000	510	10, 500	260
Mullet Perch					3,600	140		10
Caitaria chaica							200	
Sailor's choice Shad	72.000	3,600	28,000	\$1,300	642,600	38, 880	1,750	105
/*· • • - · · · · · · · · · · · · · · · ·		i			20,000	1,250	00.000	1, 120
SheepsheadSqueteagueStriped bassSturgeon		' 	 • • • • • • • • •		20, 400	1,020	26, 800	1, 120
Stringd has		! 	 	l	4,000		1, 200	00
Sturgeon		! 	8,700	230	75,000	2, 550	· · · · · · · · · · · · · · · · · · ·	
						120	10.000	765
Whiting			<i></i>		24, 500		18,800 42,000	1,575
Shrimn		 	!		25, 600			864
Sun-fish Whiting Shrimp Crabs Terrapins		¹	\ · · • • · · ·	.¦ .	40, 100		34,560	2,548
Terranina	l			.	20, 290		7,850	2,040
							1 1 007 050	14, 780
A44-0		1	311,500	5,350	2,011,690		1, 027, 250	14, 100
Olama					2,640		1	
Caviar			600	120	5, 150	1,498		
				7 000	2 102 745	197 691	1, 185, 210	22, 678
Total	75, 900	3, 801	348, 800	1,000	5, 102, 143		1, 100, 510	==, ;;; ==-;==-;;=
Species.	Lib	Liberty.		tosh.	Way	ne.	Total.	
	Lbs.	Value.	Lbs.	Value.	Lbs.	Value.	Lbs.	Value.
			¦		·		25,000	\$500
Alewives		.' 	.		•;- -			
Block hose			. 		.'			
Cat-fiah			. 2,800				23, 800	
Channel hous			7, 300	365		. 	40,000	4, 100

	Liberty.		McInt	losh.	way	ne.	Total.		
Species.	Lbs.	Value.	Lbs.	Value.	Lbs.	Value.	Lbs.	Value.	
Alewives				, — . —			25,000	\$500	
Alewives			····				4, 600	322	
Black bass		· · • • · · · • · ·	2,800				157, 600	2,734	
Cat-fish	••••		7, 300				23, 800	1, 190	
Channel bass	· · · · · · · · · · · · · · · · · · ·		1,900	45			18, 100	655	
Croakers	• • • • • • • • • •		1				14, 300	592	
Drum		 .		100			5, 000	100	
Eels	:		2, 200	110			6, 500	290	
Flounders		. 			1		7,775	262	
Hickory shad		 . .					56,000	1,310	
Mullet			13, 500	240			3, 600	140	
Perch							600	30	
Sallar's choice		. 	400			\$1, (80	787, 550	40, 705	
Shad	3, 150	\$22.5	15, 250	915			25, 000	1, 250	
Chaanahaad			<u>-</u>		 -	• ••••	54, 650		
Canatagona			7,400	1 717	i		9,000		
Striped bass		1	0,000		00.000		147, 700		
Characon			. 44,000	880		400	3, 900	195	
Sun-fish		.1			·j····	· • • • • • • • •			
Whiting			. 2,900		1		45,700		
Shrimp		1				·,•••••	67, 600		
Crobo			· · · · · · · · · · · · ·		.		74,660	1,864	
Terrapins Turtles		.1	. 6,645	1,661			34, 785	11, 254	
Tratles		1				.j	1,000		
Oysters		1	1 56,000	776			3, 406, 440		
Clams			1			.	2, 640		
Caviar			2,650	663	1, 200	300	9, 600	2, 581	
Total		_	.'	_'	46, 000	2, 380	4, 993, 100	170, 605	
10001				1		1			

THE FISHERIES WITH REFERENCE TO APPARATUS EMPLOYED.

The vessel fisheries of Georgia are devoted principally to the taking of oysters. Tongs are employed almost entirely, a limited number of dredges being used in Chatham County. Since 1890 the value of the yield of the vessel fisheries of the State has increased from \$13,476 to \$32,577. In the shore fisheries the yield by gill nets was valued at \$56,455, the yield by seines at \$13,399, by lines at \$8,724. The value of the oysters taken by tongs was \$54,132. The other forms of apparatus employed were pound nets and cast nets, the catch by which was not important.

Table showing by counties the yield of the vessel fisheries of Georgia in 1897.

	Chath	am.	Glyr	n	McInt	osh.	Tota	ıl.
Apparatus and species.	Lbs.	Value.	Lbs.	Value.	Lbs.	Value.	Lbs.	Value.
Oyster tongs and grabs: Oyster dredges: Oyster dredges: Oyster dredges: Total	1, 172, 220 7, 000 1, 179, 220	\$21, 721 500 22, 221	852, 250 852, 250	\$9,780	50, 400	\$576 576	2, 074, 870 7, 000 2, 081, 870	\$32,077 500 32,577

Table showing by counties, apparatus and species the yield of the shore fisheries of Georgia in 1897.

	Bry	an.	Came	den.	Chatha	ա.	Gly	nn.
Apparatus and species.	Lbs.	Value.	Lbs.	Value.	Lbs.	Value.	Lbs.	Value.
Pound nets: Alowives Cut-fish Perch Striped bass Sun-fish Turtles			 		25, 000 20, 000 200 4, 000 200 1, 000	\$500 300 10 280 10 20		
Total	. j	ļ <u>.</u>	i		50, 400	1, 120		'
Gill nets: Cat-fielt	1,000		I		4,775	134	300 500 300 4,300 500 5,500	\$1 29 1 18 1 18 2 21 1 16
Muliet	72,000	3,600	28, 000	\$1, 300	642, 600	38, 880	200 1,750 26,800 1,200	10 10 1, 12 6
Striped bass	. [. • • • • • • · ·	8, 700	230	75, 000	2, 550	5, 500	22
Whiting				120	5 , 150	1,498		
Total	·	3, 628		1,650	727, 625	43, 002	46, 850	1,92
Seines: Cat fish. Channel bass Croakers Mullet. Whiting. Shrimp Crabs. Terrapins					2,500 900 700 500 3,000 4,000 2,600 20,290	75 45 35 15 150 150 100 7,045	42, 000 7, 850	1, 57
Total	I	-			34, 490	7,615	49,850	4, 1

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Table showing by counties, apparatus and species, the yield of the shore fisheries of Georgia in 1897—Continued.

Libs. Value Libs. Value Libs. Value Libs. Value Cast nets	5 5,000 5 5,000 6 1,900 1,900 2 1,500 0 13,300 1 21,700 175,000	\$1
Cat-fish	5 5,000 0 1	2
Cat-fish	5 5,000 0 1	2
Shrimp	5 5,000 0 1	2
Shrimp	0	2
Total	0	2
Total	5 5,000 4	2
Lines: Black bass	4	2
Black bass	0 1,900 0 5,000 1,500 1,500 0 1,500 1,500 0 1,500 1	5
Black bass	0 1,900 0 5,000 1,500 1,500 0 1,500 1,500 0 1,500 1	5
Cat-fish. 132,000 2,316 Channel bass 10,200 511 Croakers 11,200 360 Drum 8,300 41 Eels 5,000 1,500 Perch 3,400 13 Sheepshead 20,400 1,02 Squeteague 20,400 1,02 Sun-fish 1,500 75 2,200 11 Whiting 16,500 82 Total 2,900 173 237,400 7,25 Oyster tongs and grabs: 0ysters 311,500 \$5,350 832,470 43,582 Minor apparatus: Clams 2,640 16 16 Crabs 37,500 90 37,500 90 Total 40,140 1,06 40 140 1,06 Grand total 75,900 3,801 348,800 7,000 1,983,525 105,400 Apparatus and species Lbs. Value. Lbs. Value. Value.	0 1,900 0 5,000 1,500 1,500 0 1,500 1,500 0 1,500 1	5
Croskers 11, 200 300 415	0 1,900 5,000 2 1,500 0	5
Croakers 11, 200 300 415	0 5,000 1,500 0 0 0 0 0 0 0 0 0 13,300 1 21,700 2 175,000	5
Drum	2 1,500 0 0 0 0 0 0 0 13,300 1 21,700 2 175,000	5-8
Sheepshead 25,000 1,250	0	5-8
Sheepshead 25,000 1,250	0	5-8
Squeteague	0 13, 300 1 21, 700 2 175, 000	8
Sun-fish	0 13, 300 1 21, 700 2 175, 000 5	8
Total 2,000 173 237,400 7,25 Oyster tongs and grabs: Oysters 311,500 \$5,350 832,470 43,585 Minor apparatus: Clams 2,040 166 Crabs 37,500 900 Total 40,140 1,065 Grand total 75,900 3,801 348,800 7,000 1,933,525 105,400 Apparatus and species. Liberty McIntosh Wayne. Liberty Liberty Value Libe Value Libe Value. Pound nots: Alewives Cat-fish Perch Striped bass Stur-fish Turtles Total Gill nets:	1 21,700 2 175,000 5	8
Total 2,000 173 237,400 7,25 Oyster tongs and grabs: Oysters 311,500 \$5,350 832,470 43,585 Minor apparatus: Clams 2,040 166 Crabs 37,500 900 Total 40,140 1,065 Grand total 75,900 3,801 348,800 7,000 1,933,525 105,400 Apparatus and species. Liberty McIntosh Wayne. Liberty Liberty Value Libe Value Libe Value. Pound nots: Alewives Cat-fish Perch Striped bass Stur-fish Turtles Total Gill nets:	1 21,700 2 175,000 5	8
Dyster tongs and grabs: 311,500 \$5,350 832,470 43,585	2 175,000	
Oyster tongs and grabs: 311,500 \$5,350 832,470 43,583 Minor apparatus: 2,640 166 Clams 37,500 900 Total 40,140 1,063 Grand total 75,900 3,801 348,800 7,000 1,083,525 105,400 Apparatus and species. Liberty. McIntosh. Wayne. Pound nots: Alewives Cat-fish. Perch. Striped bass Striped bass Sun-fish. Turtles. Total 311,500 \$5,350 832,470 43,583 Alewives Los. Value. Los. Value. Los. Value.	= 5	5, 0
State Striped bass Start lines Start	= 5	5, 0
Clams 2, 640 160		
Clams 2, 640 160		
Total 40, 140 1, 065 Grand total 75, 900 3, 801 348, 800 7, 000 1, 983, 525 105, 400 Apparatus and species. Liberty McIntosh Wayne. Lbs. Value Lbs. Value Lbs. Value. Pound nots: Alewives Cat-fish Perch Striped bass Sun-fish Turtles Total Gill nots:		
Total 40, 140 1, 065 Grand total 75, 900 3, 801 348, 800 7, 000 1, 983, 525 105, 400 Apparatus and species. Liberty McIntosh Wayne. Lbs. Value Lbs. Value Lbs. Value. Pound nots: Alewives Cat-fish Perch Striped bass Sun-fish Turtles Total Gill nots:		8
Cand total	_	
Apparatus and species. Liberty. McIntosh. Wayne. Liberty. McIntosh. Wayne. Liberty. McIntosh. Wayne. Value. Liberty. Value. Liberty. Value. Liberty. Value. Liberty. Value. Liberty. Value. Liberty. Value. Liberty. Value. Liberty. Value. Liberty. Lib	5 34,560	8
Apparatus and species. Lbs. Value. Lbs. Value. Lbs. Value. Pound nots: Alewives Cat.fish. Perch. Striped bass Sun.fish Turtles Total	0 332, 960	12, 8
Apparatus and species. Lbs. Value. Lbs. Value. Lbs. Value. Pound nots: Alewives Cat-fish Perch. Striped bass Sun-fish Turtles Total Gill nets:		<u> </u>
Lbs. Value. Lbs. Value. Lbs. Value. Pound nots: Alewives Cat-fish Perch Striped bass Sun-fish Turtles Total Gill nots:	Tota	ıl.
Pound nots: Alewives Cat-fish Perch Striped bass Sun-fish Turtles Total		135.3.
Alewives Cat-fish Perch Striped bass Sun-fish Turtles Total	Lbs.	Value
Alewives Cat-fish Perch Striped bass Sun-fish Turtles Total		ļ
Perch. Striped bass Sun-fish Turtles Total	25,000	\$5
Turtles Total Gill nets:	20,000	36
Turtles Total Gill nets:	200	.:
Turtles Total Gill nets:	4, 000	2
Total	20 0	
Gill note:	1,000	·
Gill note:	50, 400	1, 1
		====
Cat-fish 700 \$11	1,000	
Channel bass	2, 000	1
Croakers 900 45 Flounders 2,200 110	1,200	21
Chaines 900 45 Croskers 900 45 Flounders 2,200 110 Hickory shad 1,500 75 Mullet 7,500 300	6, 500 7, 7 75	2
Mullet 7,500 300	13,000	4
Sallor's choice 400 20	600	1 7
Shad 3 150 \$225 15 250 915 24 800 \$1 680	787, 550	46, 7
Squeteague	32,000	1, 3
Stringd bees 3.800 190	5,000	2
Sturgeon 44,000 880 20,000 400 Whiting 1,000 40 40	147, 700	4,0
Whiting 1,000 40	6,500	2,5
· · · · · · · · · · · · · · · · · · ·	9,600	·
Total	1, 020, 425	56, 4
eines;	-	
Cat-fish		'
Channel bass	2,500	;
Croakers	900	
Mullet Whiting	900 700	
Shrimp	900 700 500	
Crabs.	900 700 500 3,000	1
Whiting Shrimp Crabs 6,645 1,661	900 700 500 3, 000 46, 000	1,7
	900 700 500 3, 000 46, 000	1,7
Total 6, 645 ' 1, 661	900 700 500 3,000	1,73 1,73 11,2 11,2

Table showing by counties, apparatus, and species the yield of the shore fisheries of Georgia in 1897—Continued.

	Libe	erty.	McInt	osh.	Way	ne.	'Total	
Apparatus and species.	Lbs.	Value.	Lbs.	Value.	Lbs.	Value.	Lbs.	Value.
Cast nets:		! !		400		:	2, 100	\$32
Cat.figh	!. 		2, 100				3, 700	185
Observat hose			700 6,000				42,500	835
Mullet	· · · · · · · ·						2, 250	112
Canataarna	l	!	2, 250 900				5, 900	295
Whiting			900	**			21,600	810
Shrimp								
Total			11,950	461			78, 050	2, 269
2000.		:	\ -	_==		!===		
Lines:	1	1			l	1 1	4, 600	325
Dlack hose							132, 000	2, 310
Cat-flah							17, 200	866
Channel bass							16, 200	500
Cronkers			5, 100	255			14, 300	593
Drum				1:::::		• • • • • • • • •	5, 000	10
Eels	. Í	.'	4,500	135			3, 400	130
Thurst.		. '		• • • • • • • • • • • • • • • • • • •			25, 000	1, 25
Phaemahand		.					20, 400	1, 02
Sanataggue							3, 700	18
Snu-fish		• • • • • • • • •					30, 300	
Whiting	.		500	25		• • • • • • • • • • • • • • • • • • • •		
Total	;		10, 100	415			272, 100	
Total	·	====			·	-		
Oyster tongs and grabs:	(ì	5,600	900	l <u></u>	i	1, 324, 570	54, 13
Oysters	i	<u>. </u>	3,000	200	.====	:		·
Minor apparatus:		1				1	2, 640	16
Clams	.				1	- , • • • • • • • • • • • • • • • • • •	72, 060	
Crabs	.	. ۰ ا.			•••••••		12,000	
							74, 700	1, 92
Total					:	= 		
Grand total			120, 895	6, 324	46,000	\$2,380	2, 911, 230	138, 02

The wholesale trade in fresh fish, oysters, etc., is largely centered at Savannah. During the year 1897, 7 firms were in operation in the State; the value of property amounted to \$51,074; the cash capital required was \$61,000; the value of products sold was \$202,975. Of this amount \$71,320 represented the value of 1,783,000 pounds of mullet, which were obtained from Florida.

Table showing the extent of the wholesale trade in fishery products for Georgia in 1897.

Items.	No.	Value.	Items.	No.	Value.
Establishments Cash capital Collecting boats Tons of ico consumed Employees Products handled: Alewives Cat-fish Channel bass Croakers Groupers Hickory shad Mullet Pompano Red snapper Striped bass	7 2, 350 57 Pounds. 13, 000 6, 000 30, 500 17, 000 30, 900 1, 783, 000 18, 800 295, 000	\$47, 774 61, 000 3, 300 7, 800 2, 555 1, 190 3, 555 2, 468 71, 320 2, 256 11, 800 1, 380	Products handled—cont'd. Sea bass	Pounds. 47,000 107,000 107,000 66,000 18,000 73,000 55,000 36,433 14,800 439,250 51,600 4,375	\$3, 290 10, 64 4, 622 2, 16 3, 60 6, 57 3, 85 18, 65 1, 53 2, 60 41, 01 1, 30 202, 97

^{*} Represents 62,750 bushels.

[:] Represents 200 bushels.

NOTE - Five of these firms are located in Savannah; the other two have but little property and capital and handle most of the terrapin shown in table.

In the wholesale fish and oyster trade and oyster-canning business of Savannah during the year 1897, the capital invested was \$169,526; persons employed, 296; fresh fish handled, 2,895,875 pounds; gallons of oysters, 71,500; oysters canned, 1,261,884 cans; the value of products was \$281.052;

()yster-canning industry.

Items.	No.	Value.	Items.	No.	Value.
Establishments Private oyster grounds Cash capital Ice consumed tons Salt lbs Employees	50 29, 625	20, 000 50, 0 0 0 150		363, 998 1, 502, 619 115, 224 20, 500 1, 400 400, 051	\$40, 993 82, 794 11, 353 23, 600 1, 400 8, 001

Noru.—One cannery located in Brunswick, 1 at Thunderbolt, and 1 at Wilmington Island. The two latter canneries are operated by firms at Savannah.

Of the products from the waters of the State, shad are most important, and, with oysters and terrapin, constitute the principal part of They are well distributed through the inland the wholesale business. waters and furnish a fine food supply for local consumption. When there are transportation facilities the surplus is shipped to distant markets.

Of the numerous rivers that receive large runs of shad, the following are the most important: Savannah, Ogeechee, Altamaha, Ocmulgee, Oconee, Satilla, and St. Marys. The first arrivals from the ocean are looked for soon after the 1st of January, and by the middle of the month a good run may be expected, the season lasting about three months. The bulk of the catch is taken by gill nets used within a few miles of the mouths of the rivers. The quantity taken through the interior is not large at any one place, but is quite important in the

More attention is being given to the sturgeon fishery than formerly. There is an increasing demand, and high prices are received for sturgeon and its roe. The catch is made mostly between March and June.

The oyster industry shows a large gain in the amount gathered, the greater part of which is steamed and canned. This branch of the fishing industry gives employment to several hundred employees at Oysters are gathered principally from natural beds, the factories. and are known as raccoon oysters. The beds are located at numerous places in the estuaries, lagoons, and bays bordering on or near the ocean, and are entirely exposed at low tide. The exact location being known, at high tide the small sailing vessels employed as transporters sail near the beds and anchor. Large skiffs, or rough boats, are then taken from the vessel and anchored over the oyster-grounds. tide the men from the vessel have only to land on the oyster beds and with naked hands or "hand grabs" gather the oysters, throwing them into the boats, which, on the return tide, are unloaded on the vessel,

The "grabs" used are small hand irons made like ice tongs, but having numerous prongs to take up the oysters. The oysters are of small size, but good flavor.

The process of canning steamed or "cove" oysters is simple. The shell oysters are unloaded on the wharf at the cannery. Gangs of men are employed in filling long slatted iron trucks, which hold some 12 to 15 bushels each. As soon as filled they are run into long steam chests made of iron, or occasionally of wood; the door being closed, and steam turned on, only a few moments are required to steam the oysters enough to open all the shells. The cars are now run out and emptied on the floor and on long tables in the factory. The men, women, and children now begin their work of picking the oysters from the shells; they having been cooked enough to nearly free them from the same, it requires no skill and but little effort to pick the shells clean. As soon as the picker's dish is filled it is taken to the weigher, and a brass check is given which represents the amount due for picking, the price being about 11 cents a pound. The oysters are now emptied into a trough, where they receive a thorough washing, which cleans them from all dirt that has become attached in opening and picking. They now go to the filling tables, where they are placed in the cans. The cans being then filled up with salt water and the tops sealed on, they are put into crates that are placed in iron retorts and receive 8 to 10 pounds of steam until thoroughly cooked. All that now remains to be done is the labeling and packing.

After the oyster season is closed many of the oystermen turn their attention to gathering terrapin. Within the past few years this business has increased and a scarcity of terrapin is now reported. Small vessels from Savannah and vicinity cruise along the coast between Fernandina, Fla., and Georgetown County, S. C., buying terrapin from the residents, who gather them along the bays and creeks that receive tide waters. When the vessel returns to the home station, the terrapin are put into small yards, usually near the water. When in captivity terrapin are fed chiefly on shrimp. They soon become quite tame and are on hand at feeding time. The catch to stock up a terrapin yard for its winter demand must be made during the summer or early fall. The demand is confined to a few winter months, mostly in December and January. During this time they do not require and will not take any food, yet do not appear to grow poor. The catch is made with nets and by hand picking. Dogs are often employed in tracking the terrapin from the water to the marshes, where they are found buried a few inches in the sand or mud.

Some little attention has been given to the propagation of terrapin, but only in an experimental way, and it is demonstrated that they can be hatched out in confinement and have thrived. The main objection to propagation seems to be the slow rate of growth, requiring a number of years' delay to realize from the venture, and six months or more of each year they must be fed.

Most of the terrapin are sold in Northern cities, where many of the leading hotels and clubs have standing orders for regular shipments during the season. Terrapin are classed as counts, three-quarters, one-half, and bulls, prices varying from \$8 to \$12, as to size, except for the bulls, which are not desirable and bring but little money. The sizes and average weights are as follows:

Designation.	Average weight.	Average size.
Counts Three-fourths One-half Bulls	2t pounds each 1t pounds each 1t pounds per dozen t pound each	6 to 8 inches, mostly 6½. 5½ to 6 inches. 5 to 5½ inches. 4 to 4½ inches.

FISHERIES OF EASTERN FLORIDA.

Next to North Carolina, eastern Florida has probably the most favorable geographical situation for prosecuting the fisheries of any of the South Atlantic States. The general coast line is about 450 miles in length, but the numerous rivers, bays, sounds, and lagoons give the State a much more extensive shore line. The most important of these are the St. Marys River, which forms the dividing line between Georgia and Florida, Nassau River and Sound, the St. Johns River, Matanzas River, Halifax River, Mosquito Lagoon or Hillsboro River, Indian River, St. Lucie Sound, Lake Worth, and Biscayne Bay. With the exception of the St. Marys and St. Johns rivers these waters are lagoons or arms of the sea, from which they are separated by low, sandy bars. There are openings at frequent intervals connecting the ocean and lagoons, and through these the marine fishes find their entrance. The Indian River is a typical specimen of this kind. It is about 135 miles in length, and runs parallel to the ocean, being separated from it by a narrow sandy strip of land which nowhere rises more than a few feet above the water. The river's width varies from only a few rods at Jupiter Narrows to 5 or 6 miles just below Titusville. average depth is about 6 or 7 feet. These lagoons or rivers are favorite resorts for the marine fishes, some of which come in to spawn. The waters are generally salty, but during heavy rains they sometimes become fresh in all parts except near the inlets.

The principal fishing centers are Fernandina, at the extreme northeastern end of the State; Mayport, Fulton, New Berlin, Jacksonville, Palatka, and Sanford, on the St. Johns River; St. Augustine, on Matanzas River; Ormond, Daytona, and New Smyrna, on Halifax River and Mosquito Lagoon; Titusville and Cocoa, on Indian River; Fort Pierce and Eden on St. Lucie Sound; West Palm Beach, on Lake Worth, and Miami, on Biscayne Bay.

In 1890 eastern Florida held second place among the South Atlantic States in quantity and value of fishery products. This is still true with regard to the quantity of products taken, but not as to value. In 1890, 7,463,531 pounds of fishery products were taken, valued at \$219,870, while the catch in 1897 was 5,882,662 pounds, worth \$136,077,

a loss of 1,580,869 pounds and \$83,793. This is mainly attributable to the falling off in the shad and oyster fisheries.

The most prominent fisheries are those for shad and mullet. Considerably over half of the total catch and almost half of the total value are represented in these two fisheries. The other leading fisheries are those for squeteague, sheepshead, channel bass, pompano, and oysters.

Gill nets, seines, and tongs are the principal apparatus of capture. Cast nets, lines, and other minor forms of apparatus are also in use. The absence of the pound net in this section is noticeable. During the latter part of 1897 a pound net was located in the ocean near Cape Canaveral, but was put in operation too late in the year to be included in the present canvass. Pound nets have been tried before in different sections of the State, but without success, the nets being destroyed by sharks and other predatory species.

The absence of a vessel fishery is also noticeable. There are numerous snapper banks a short distance off the Florida coast, which are resorted to by New England fishing smacks, which laud their catch at Savannah. Such a fishery could be carried on more easily and economically by Florida fishermen, as they are closer to the banks. Several vessels from Punta Gorda, on the western coast of the State, have made trips to Biscayne Bay for the purpose of catching Spanish mackerel.

Very little ocean fishing is done by the fishermen of this region, a few seines only being hauled on the beaches. Although the waters adjacent to the coast teem with marine food-fishes, the fishermen have generally confined their attention to the rivers and lagoons.

From 1880 to 1890 there was an increase in the fisheries of eastern Florida, but since that time there has been a decline in the fisheries as a whole. The decline is especially noticeable in the sun-fish, shad, shrimp, oyster, and turtle fisheries. The sturgeon fishery, which was at one time quite important, is now extinct. The species in the catch of which noticeable increases are shown are alewives, blue-fish, channel bass, mullet, pompano, sheepshead, and squeteague. A part of the general decline is attributable to the laws governing certain of the rivers. No nets are now allowed in any of the fresh-water rivers or bayous, except for shad, and only cast nets and lines are allowed in Mosquito Lagoon or Hillsboro River and Halifax River. These latter formerly had quite extensive fisheries. Another law, put into force in the State in 1897, prohibited the use of nets (except cast nets) in all the waters of the State, from June 15 to August 16, and the catching of mullets between November 15 and December 31. These restrictions account for a considerable part of the decrease in the total catch.

In 1897 there were 1,132 persons employed in the fisheries, of which number 986 were engaged in the shore and boat fisheries. The capital invested amounted to \$151,155. The shore and accessory property was valued at \$64,715. The apparatus of capture was valued at \$32,210, and the boats employed at \$19,800. The item of cash capital is placed

at \$29,100. The total value of the products was \$136,077. The yield of shad alone was valued at \$41,572, while the next most important species was mullet, the value of the yield of which was \$22,732. The catch of pompano was valued at \$13,093, while squeteague and oysters, the species next in importance, were valued at \$12,817 and \$11,760, respectively.

As compared with the last general canvass of this region (1890) there has been a decrease in the number of persons employed and in the apparatus used, although there has been an increase in the shore property (caused by the putting up of more substantial buildings) and cash capital. The statistics for this State were collected for the fiscal year ending June 30, 1897.

The three following tables show the extent of the fishery interests of the eastern part of Florida in condensed form:

Persons employed.

How engaged.	No.
On vessels transporting. Shore or boat fisheries Shoresmen	5 980 141
Total	1, 132

Table of apparatus and capital.

Items.	No.	Value.
essels transporting	2	\$2,40
Toppage	16.87	1. 93
Outfitoats		19, 80
pparatus of capture: Seines	1	3, 73
Gill nets	487	28, 54
Cast nets		16
Lines		4
Tongs	51	64, 71
ash capital		
Total		151, 15

Table of products.

Species.	Lbs.	Value.	Species.	Lbs.	Value.
Alowives, fresh	33, 913	\$404	Spots and croakers		\$772
Alewives, salted	5, 000	125	Squetengue		12 817
Black bass	52, 516	2, 184	Sun-fish		0, 827
Blue-fish	46, 421	1, 121	Whiting	8,000	365
Cat-fish	124,000	3,720	Other fish	103, 340	3, 356
Channel bass or red fish	235, 782	3,542	Oysters	*362, 802	11, 766
Drum	17, 000	175	Clams	4,800	300
Mullet, fresh	2, 341, 957	21, 156	Craw-fish	4,000	80
Mullet, salted	71, 400	1,576	Crabs		175
Pompano	196, 344	13, 093	Shrimp		1,497
Sea bass	5, 570	210	Turtles	23, 856	1, 751
Shad	1. 011. 180	41, 572	Terrapins		1,425
Sheepshead	390, 164	5, 908	1		
Spanish mackerel	3, 450	160	Total	5, 882, 662	136, 077

^{*}Represents 51,829 bushels.

THE FISHERIES CONSIDERED BY COUNTIES.

Commercial fishing in eastern Florida is carried on in eight counties. Duval County easily ranks first in the number of men employed, value of investment, and in value of catch, and is second in the quantity of products taken. This is accounted for by the fact that the lower reaches of the St. Johns River are wholly in Duval County, and these support large shad fisheries. The shad catch of this county is more than double that of all the other species combined. Brevard County is first in the quantity of fishery products taken and second in men employed and value of investment. The Indian River is wholly within this county. Orange and Putnam are inland counties, and their fisheries are wholly on the St. Johns River.

The following tables show the number of persons employed, the apparatus, the capital, and the yield of the different species:

Table showing the number of persons employed in the fisheries of eastern Florida.

Counties.	On vessels transporting.	Shore or boat fisheries.	Shores- men.	Total.
Nassau	3	90	40 35	139 377
Duval Putnam Orange		60	3 11	63 141
St. John	• • • • • • • • • • • • • • • • • • •	80	13 4 30	87 34 254
Dado		32	5 141	37 1, 132
Total	5	986	747	1,102

Table showing by counties the apparatus and capital employed in the fisheries of the castern coast of Florida.

	cuore	i it cous								
	N	assau.	Dı	ıval.	Pu	tnam.	O	range.	St.	John.
Designation.	No.	Value.	No.	Value.	No.	Value.	No.	Value.	86. No. 30 30 4 8 15 12	Value
Tessels transporting			8.78	\$2,000					 	
Outfit		\$7 10	163	1, 850 7, 680	28	\$565	66	\$990	30	\$4
eries: SeinesGill nets	. 33	620	192	800 17, 200	2 24	200 1,350	30	2, 100 72	8 15	1
Cast nets	j	5	20	25 120					12	4.0
hore and accessory propertyash capital		15, 500			<u> : : : :</u>	1 '~~	· · · ·	2,400		
Total		21, 835	ļ	56, 800		4, 565		12, 562	· · · ·	5, 8

Volusia.		Brevard.		Dade.		Total.	
No.	Value.	No.	Value.	No.	Value.	No.	Value.
		8.09	\$400				\$2,400
10	\$250	126	6, 935	18	\$2, 190	527	1,930 19,800
2	190	1 203	100 8, 220	1 23	165 925	44 487	3, 735 28, 547
15 2	75 30	31	290	4	60 1	30 37	165 380 46
· · · · · · · · · · · · · · · · · · ·	700	10	133 16, 115		1, 100	51	337 04,715 29,100
		!			<u>'</u>		151, 155
	10 2 15 2	10 \$250 2 190 15 75 2 30 3 700 400	No. Value. No. 1 8.09 10 \$250 126 2 190 1 203 15 75 2 30 31 3 10 700 400	No. Value. No. Value. 1 \$400 8.09 10 \$250 126 6,935 2 190 1 100 203 8,220 15 75 2 30 31 290 3 10 133 700 16,115 400 10,100	No. Value. No. Value. No. 1 \$400 10 \$250 126 6,935 18 2 190 1 100 1 2 30 31 290 4 3 31 290 4 3 16,115 16,115 400 10,100	No. Value. No. Value. No. Value. 1 \$400 10 \$250 126 6, 935 18 \$2,190 2 190 1 100 1 165 2 30 31 290 23 925 2 30 31 290 4 60 3 19 133 1 100 1,100 400 10,100 10,100 1,100 1,000	No. Value. No. Value. No. Value. No.

Table showing by counties and species the yield of the fisheries of the eastern coast of Florida.

	Nas	sau.	Duv	al.	Putn	am.	Orange.	
Species.	Lbs.	Value.	Lbs.	Value.	Lbs.	Value.	Lbs.	Value.
Alewives fresh			14,500	\$210		·	19, 413	\$194
Alewives, fresh	l	i	5,000	125	·			
Black bass			8,000	320			34, 116	1,564
Cat-fisb	<u>.</u> .		104,000	3, 120	20,000	\$600		
Channel bass or red-fish	4, 106	\$82	44, 570	801			• • • • • • • • • • • • • • • • • • •	
Drum	12,000	125	000 000	2, 280				
Mullet, fresh			288, 000	596			•••••	· · · · · · · · · ·
Mullet, salted	12,000	450	22, 400 731, 480	30, 747	101,600	3.200	152, 600	6, 575
Shad Spots and croakers	5, 113	250	5,020	150	101, 000	0,200	10,000	250
Squeteague	12, 000	360	0,020	100	100,000	3, 390		
Sun-fish	12,000		15, 760	472		250	205, 116	5, 505
Whiting	5,000	250				} 		
Other fish	6, 478	300	38, 590	1, 158	1		10,000	250
Oysters	318,500	4, 137	63,000	3,600				
Crabs	1,300	80	1, 200	30				
Shrimp	20, 000	750	16, 600	662				
Terrapins	9,000	1, 200	1,350	225			<i></i>	· · · • • • •
Total	405, 497	7,984	1, 359, 470	44, 586	226, 600	7, 440	431, 245	14, 338
	St. John.		Volusia.		Breve	ırd.	Dade.	
Species.	Lbs.	Value.	Lbs.	Value.	Lbs.	Value.	Lbs.	Value.
						!		
Black bass					10, 400	\$300	' <i>.</i>	
Blue-fish	2,000	\$60	2, 300	\$58	36, 307	787	5, 814	\$210
Channel bassor red-fish	36, 943	563	6, 300	126	134, 063	1,712.	9, 800	168
Drum	5,000	50			1 601 157	1.5.476	i	
Mullet, fresh	134, 500	1,345	123, 100	4,013	1, 791, 157	13,479	5, 200	31
Mullet, salted		800	49,000 14,360	980 1,005	138, 284	9,860	23, 700	1, 422
Pompano	20,000 5,570	210	14, 500	1,003	135, 204	, B, 800	23, 700	, 1, 22
Sea bass	0,570	210	13, 500	600		· · · · · · · · · · · · · · · · · · ·		
Sheepshead	14, 137	213	6,700	134	300, 727	4, 511	68, 600	1.050
Spanish mackerel	2,000	80	i		450	28	1,000	. 5
Spots and croakers	3,000	122						· • • • • • •
Squeteague	36,000	1,260	36,000	1, 160	324, 370	0, 487	8,000	160
Sun-tish					23, 113	600	`	
Whiting	3,000	115				<u>::</u> :-		
Other fish	24, 510	945	13, 240	367	5, 022	151	5, 500	189
Oysters	35,000	2,500		••••	42, 505	1,529		
Clame	4,800	300	<u>-</u>	•••••			i	
Craw-fish	4,000 1,200	80	· • • • • • • • • • • • • • • • • • •	• • • • • • • •	• • • • • • • • • • • • • • • • • • •			
(lanka		85				l		
	: 9 095							1
Crabs Shrimp Turtles	2 , 025		1,600	128	19, 256	1, 443	3,000	180

SUMMARY.

Species.	Lbs.	Value.	Species.	Lbs.	Value.
Alewives, fresh	33, 913	\$404	Spots and croakers	23, 133	\$77
Alwives, salted	5, 000 r	125	Squeteague	516, 370	12, 81
Black bass	52, 516	2, 184	Sun-fish	248, 989	6, 82
Blue-fish	46, 421	1.121	Whiting	8,000	36
Cat-fish	124,000	3, 720	Other fish	103, 340	3, 35
Channel bass or red-fish	235, 782	3,542	Ovsters	362, 802	11, 70
Drum	17, 000	175	Clams	4, 800	30
Mullet, fresh	2, 341, 957	21, 156	Graw-fish	4,000	86
Mullet, salted	71, 400	1, 576	Crabs	3,700	17
Pompano	198, 344	13, 093	Shrimp	38, 625	1, 49
Sea base	5, 570	210	Turtles	23, 856	1, 75
Shad.	1, 011, 180	41,572	Terrapins	10, 350	1,42
Sheepshead	390, 164	5. 908			
Spanish mackerel	3, 450	160	Total	5, 882, 662	136, 07

THE YIELD BY DIFFERENT FORMS OF APPARATUS.

The gill net is the most efficient form of apparatus in use in eastern Florida, over two-thirds of the total catch being taken by it. Mullet, shad, squeteague, and sheepshead are taken in larger quantities in gill nets than in any of the other forms of apparatus. Seines rank next to gill nets in the amount and value of products. Shad and sun-fish are the principal species taken in seines. Cast nets, which are only used in two counties—St. John and Volusia—give good results. The greater part of their catch is made up of mullets. These nets are in use mainly in waters where other netting is not allowed. Cat-fish is the principal species taken on lines. The other forms of apparatus are turtle nets (these are practically large-meshed gill nets), tongs for oysters, nets for shrimp and terrapin, trot lines for crabs, spears for craw-fish, while clams are generally taken by hand.

Table showing by counties and apparatus the yield of the shore fisheries of the eastern coast of Florida.

	Nas	8A11.	Duv	al.	Putn	am.	Orange.	
Apparatus and species.	Lbs.	Value.	Lbs.	Value.	l.bs.	Value.	Lbs.	Value.
Soines:	l	ļ ļ			İ	'		410.
Alewives, fresh			14,500	\$210		• • • • • •	19, 413	\$194
Alewives, salted	. 	1	5, 000	125	ļ		04 110	1, 564
Black bass			8,000	320		4000	34, 116	6, 309
Shad	' 		96, 750	4,300	4,500	\$200	145,600	250
Spots and croakers	·••••••	<u> </u>	5, 020	150			10,000	5, 505
Sun-fish	; 	J	15,760	472	5,000	250	205, 116	250
Other fish	 .		15,000	450		· · • · · · ·	10,000	250
Total			160,030	6, 027	9, 500	450	424, 245	14,072
				! == -=:		i -====		` -
Gill nots:		1			l	1	1	Į
Channel bass or red-fish	i .		44, 570	891		;· · · · · · ·	`	
Mullet, fresh	j		288, 000	2, 280	1	. 	'	;
Mullet, salted	!		22, 400	596			,	266
Shad	12,000	\$450	634, 730	26, 447	97, 100	8,000	7,000	200
Squeteague	3, 100	93	····		100,000	3, 390	¦	·
Other fish	3,478	150	23, 590	708	'	· · • · · • · ·		•••••
Total	18, 578	693	1, 013, 290	30,922	197, 100	6,390	7, 000	200
		نصد عصد		<u> </u>		,==:-::	; 	
Lines:	1	!	104,000	3, 120	20,000	600	l	i
Catiish	4, 100	82	104,000	3, 120	20,000	000	}· <i>·</i> ····	
Channel bass or red-fish.		1 125		i				
Drum	12,000 5,113	250		· · · · · · · · · · · · · · · · · · ·		1	1	
Spots and cronkers	1	267				[[
Squeteague	5. 000	250		1				
Whiting	3,000				· · · · · · · · · · · · · · · · · · ·			1
Other fish	3, 000	100		;				l
Total	38, 119	1, 124	104,000	3, 120	20,000	600	l	
10001	=====			==				
Miscellaneous:		í	ł	1	İ	ł	ł	ł
Oysters	318, 500	4, 137	63,000	3,600	!			
Crabs	1,300	80	1, 200	30				
Shrimp	20,000	750	16,600	662				
Terrapius		1, 200	1, 350	225		١٠٠٠٠٠٠	;	.'
Total	252, 597	6, 167	82, 150	4, 517		·		
Grand total	405, 497	7,981	1, 359, 470	44, 58G	226, 600	7,440	431, 245	14, 33

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Table showing by counties and apparatus the yield of the shore fisheries of the eastern coast of Florida—Continued.

	St. Jo	dın.	Volu	sia.	Breva	rd.	Dade).
Apparatus and species.	Lbs.	Value.	Lbs.	Value.	Lbs.	Value.	Lbs.	Value.
Seines: Black bass					10, 400	\$ 300		
Blue-fish			2, 100	\$42	710	14	5,000	\$75
Channel bass or red-fish .	8, 500	\$128			3, 300	. 50	2,000	15
Mullet	∺, 500 2∋, 000	85 800	14, 360	1,005	3, 100	217	2,000 7,100	426
Pompano Shad	2.1,000		13, 500	600				315
Sheenehead					12, 000	180	21,000	010
Spanish mackerel	2,000 23,000	80 805			1, 300	26	1,500	30
Squetengue	: 23,000				23, 113	600		
Other fish	7. 080	240	4, 120	110	5, 022	151	5, 500	185
Total	69, 080	2, 138	34,080	1,757	58, 945	1,538	42, 100	1,046
Cill make:	,	: 						
Gill nets: Blue-fish	2,000	60			35, 597	773	5, 814	216 51
Channel bass or red-tish .	13, 000	195			130, 763 1, 791, 157	1, 662 13, 479	3, 400 3, 200	24
Mullet, fresh	31, 500	315	`	¦	135, 184	9, 649	16, 600	996
Pompano Sheepshead	5,900	89			288, 727	4,331	43,400	651
Spanish mackerel					450	28	200	12 130
Sanatagona	13,000	455			323,070	6, 461	6, 500	130
Other fish	7,000	275						
Total	72, 400	1,389		·	2, 704, 948	36, 383	79, 114	2,080
Cast nets:	1	1		· .		1		
Blue-fish			200	16				· · · · · · · · · · · · · · · · · · ·
Channel bass or red-fish.	11, 110	167	2,600	4, 013				
Mullet, fresh	94,500	945	123, 100 49, 000	980				ļ. .
Mullet, saltedSheepshead	2, 100	32	1,000	20				
Squeteague			36,000	1, 160				
Other fish	2,000	80	6, 120	185				
Total	109,710	1, 224	218, 020	0,426				
Turtle nets:			1,600	128	19, 256	1,443	3, 000	180
							1	
Lines: Channel bass or red-fish	. 4, 333	73	3, 700	74			1,400	42
Drum	.: 5,000	50				.	. · - · · · · · · · · ·	¦
Sea bass	5,570	210	5,700	114	·[•	4, 200	84
Sheepshead	6, 137	92	5,700	111	1		800	4(
Spanish mackerel Spots and croakers	3,000	122	1				. . 	
Whiting	. 3,000	115	\		.,			.!
Other fish	. 8, 430	350	3,000	72		· ·····	-	
Total	. 35, 470	1,012	12, 400	260			6,400	100
Miscellaneous:	1			1	-			
Oysters	. 35,000				. 42,505	1,529		
Clams	. 4, 800	300		·			1	
Craw-fish	4,000 1,200	80 65						
CrabsShrimp	2,025	85					.	.¹ .
Aurunh			_!	-¦				··——
Total	47, 025	3,030		=	42,505	=	=	·)
Grand total	. 333, 685	8, 793	266, 100	8.571	2, 825, 654	40, 893	130,614	3, 47
	1							

Table showing by counties and apparatus the yield of the shore fisheries of the eastern coast of Florida—Continued.

SUMMARY.

Apparatus and species.	aratus and species. Lbs.		Apparatus and species.	Lbs.	Value.
Seines:			Cast nets-Continued.		
Alewives, fresh	33, 913	\$404	Mullet, salted	49,000	\$080
Alewives, salted	5,000	125	Sheepshead	3, 100	52
Black bass	52, 516	2, 184	Squeteague	36,000	1, 160
Blue-fish	2,810	56	Other tish	8, 120	265
Channel bass or red-fish	16, 800	253			
Mullet	10, 500	100	Total		
Pompano	44, 560	2, 448	l		
Shad	260, 350	11,409	Turtle nots:	00.050	
Sheepshead	33, 000	495	Turtles	23, 856	1,751
Spanish mackerel	2,000	80	١,,,		
Spots and croakers	15, 020	400	Lines: Cat-fish	124,000	3,720
Squeteague	25, 800	861	Channel bass	13, 539	3, 720
Sun-fish	248, 989	6,827	Drum	17, 000	175
Other fish	46, 722	1,386	Sea bass	5, 570	210
Total	797, 980	27, 028	Sheepshead	16, 037	290
1000	101, 000	21,020	Spanish mackerel	800	40
Gill nets:			Spots and croakers	8, 113	37 2
Blue-fish	43, 411	1,049	Squeteague	8,900	267
Channel bass or red-fish	191, 733	2, 799	Whiting	8,000	365
Mullet, fresh	2, 113, 857	16,098	Other tish	14, 430	572
Mullet, salted	22, 400	596]		
Pompano	151, 784	10, 645	Total	216, 389	6, 282
Shad	750, 830	30, 163	!		
Sheepshead	338, 027	5,071	Miscellaneous:	, {	
Spanish mackerel	650	40	Oysters	362, 802	11,768
Squetengue	445, 670	10, 529	Clame	4,800	300
Other fish	34, 068	1,133	Craw-fish	4,000	80
·-			Crabs	3, 700	175
Total	4, 092, 430	78, 123	Shrimp	38, 625	1,497
			Terrapins	10, 350	1, 425
Cast nets:			l	40 4 027	35 040
Blue-fish	200		Total	424, 277	15, 243
Channel bass or red-fish	13,710	219	1 0 1 1	F 000 600	120 077
Mullet, fresh	217, 600	4, 958	Grand total	5, 882, 662	136, 077

NOTES ON THE SHAD FISHERY.

The shad fishery has always been of great interest to the fishermen of this section of Florida, and is particularly so now in view of the decline which has taken place since 1890.

With the exception of a small fishery on the St. Marys River the shad fisheries of the State are confined to the St. Johns River.

Shad make their appearance in the St. Johns River in November, and can be found there from that time until the early part of May. The legal season for the fishery is from December 1 to March 31, although the nets in the lower river are usually taken out about the middle of March, as after that time low prices prevail in the Northern markets. The abundance of shad in each month of the season is indicated by the statement of one buyer below Jacksonville, who purchased all the fish caught in 22 gill nets, which yielded fish as follows:

December	1,073
January	7, 557
February	13, 633
March (first two weeks)	0, 122

The only forms of apparatus in use on the river in this fishery are seines and gill nets. On the lower river the gill nets average about 575 yards in length, 47 to 5 inch mesh, and from 40 to 50 meshes in depth. On the upper river these nets average about 300 yards in length, with 5-inch mesh.

The seines used on the river vary greatly, ranging from 200 to 750 yards, with 3-inch or 4-inch mesh.

The principal gill-net grounds are from Mayport, at the mouth, to Jacksonville, a distance of about 20 miles, where the nets are drifted with the tide; and from Bridgeport to Welaka, where the nets are drifted in the narrow reaches where there is some current. A few nets are also operated in other parts of the river.

Up to last season the principal seining grounds were in Lake Harney, but it is said that it does not now pay to operate there, and last season most of the fishermen worked between Sanford and the mouth of the Wikiva River. An important seining ground is in the river just above Volusia bar. Seining is not permitted in the wide reaches of the river, which are called lakes.

The following table shows the fluctuations in the apparatus and catch of shad for nine years. The only years for which close accuracy can be claimed are the last four, previous data being largely estimated.

	i I	Number of nets.				Number of shad caught.				
Year.	Gill nets.	Seines.	Pound nets.	Total.	Gill nets.	Seines.	Pound nets.	Total.		
1873 1876 1877 1878 1878 1889 1889 1890 1896	80 64 112 80 184 166 191 171 168		i	80 64 112 80 185 176 202 195 205	250, 000 160, 000 280, 000 200, 000 493, 161 581, 764 331, 033 227, 027	••••••	1,500	250, 000 160, 000 280, 000 200, 000 83, 900 716, 161 872, 934 456, 281 342, 738		

The fishery reached its greatest height in 1890, since which time there has been a steady decline. In 1873 the average catch to the gill net was 3,125 shad; in 1876, 1877, and 1878 the average was 2,500; in 1889, 2,971; in 1890, 3,046; in 1896, 1,936, and in 1897, 1,351. While the number of seines increased very rapidly in 1896 and 1897, the catch steadily decreased from that of 1890. During the season of 1896 there were in use on the St. Johns River 171 gill nets and 24 seines, operated by 447 fishermen. The seine catch amounted to 125,248 shad, weighing 255,555 pounds, and was valued at \$8,627. The gill-net catch was 331,033 shad, weighing 1,029,001 pounds, valued at \$53,297.

During the season of 1897, 168 gill nets and 37 seines were operated by 536 fishermen. The seines took 115,711 shad, weighing 260,347 pounds, valued at \$11,409, while the gill nets took 227,027 shad, weighing 746,980 pounds, and valued at \$29,713.

A comparison of these two seasons shows that in 1897 there were 3 less gill nets and 13 more seines in use, while the number of fishermen increased 89. The seine catch for this season shows a decrease of 9,537 shad from the previous season, but a gain of 4,792 pounds in weight and \$2,782 in value. The gain in weight and most of the gain in value are explained by the fact that fewer small shad, or "skips,"

were caught last season and more large shad taken. In the gill-net fishery last season there was a falling off of 104,006 shad, 282,021 pounds, and \$23,584, making a total falling off on the river from 1896 of 113,543 shad, 277,229 pounds, and \$20,802.

On the upper river large numbers of young shad, or "skips," are taken in the seines. These do not average more than 1 pound in weight and are not of much value to the fishermen. In 1896, out of 125,248 shad taken in seines, 53,807 were "skips." The fisheries should not be subjected to this drain on the young fish.

The water hyacinth, a South American floating plant, introduced into the St. Johns River about 1890, and now so abundant as to be a serious impediment to navigation, has already begun to affect the fisheries. There are not many places along the upper St. Johns suitable for the hauling of seines, and when the wind blows toward one of these beaches the fishermen have to suspend operations until the wind changes, as the plants pile up against the bank in such quantities that the shore can not be reached. Gill nets are sometimes caught in the floating masses and extricated with great difficulty. The fisheries below Jacksonville do not suffer on account of this plant, as it is killed by the salt water.

The United States Fish Commission in 1896 planted 4,224,000 shad fry in the river, and in 1897, 2,017,500 fry.

NOTES ON THE OYSTER FISHERY.

Natural oyster-beds are common in eastern Florida. The most important of these are in Cumberland and Nassau sounds and tributaries in Nassau County, the lower St. John's River, Matanzas River, and in the Indian River. There are small beds in Biscayne Bay and in other places, which have not yet been worked commercially.

Since the last general canvass, in 1890, there has been a decrease in the quantity of oysters taken. In 1890, 97,350 bushels, valued at \$14,850, were taken, while in 1897, 51,829 bushels, valued at \$11,766, were secured, showing a decrease of 45,521 bushels and \$3,084 in value.

The greatest decrease since 1890 is shown in Nassau County. In that year 79,500 bushels, valued at \$8,175, were taken, while in 1897 the catch was 45,500 bushels, worth \$4,137. In 1890 there were two canneries in operation in this county. In 1894 there were four in operation, but there has since been a decline in the supply of oysters, and at present one cannery is in operation, a part of its supply being derived from Georgia waters.

In Duval and Brevard counties the oyster industry has increased since 1890. Brevard County is the most favorably situated as regards the future development of the oyster industry, the Indian River, which is entirely within its limits, having a number of natural oyster beds which have been but slightly drawn upon as yet. If these are properly conserved, a considerable industry could be developed. The allotment of land for private oyster cultivation would most conduce to this end.