
UNITED STATES DEPARTMENT OF THE INTERIOR
FISH AND WILDLIFE SERVICE

**FISHERY STATISTICS
OF THE UNITED STATES
1940**

STATISTICAL DIGEST No. 4

UNITED STATES DEPARTMENT OF THE INTERIOR

Harold L. Ickes, Secretary

FISH AND WILDLIFE SERVICE

Ira N. Gabrielson, Director

Statistical Digest No. 4

FISHERY STATISTICS OF THE UNITED STATES 1940

BY

R. H. FIEDLER



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FISHERY STATISTICS of the United States and Alaska are compiled and published annually to make available information on both the biological and the economic aspects of the domestic commercial fisheries.

From the biological standpoint these data are important to sound fishery management in providing detailed information on fluctuations in the commercial catch by species, locality, and year, and the types of gear and boats operated. They assist conservation agencies so to regulate the commercial fisheries as to produce maximum yields without depletion.

Data on the economic aspects are necessary to persons engaged in the commercial fishery and to governmental agencies concerned with its regulation and protection. They cover the total catch and value by species, the yield and value of manufactured products and byproducts, employment, and related information.

Previous statistical reports on the fishery industries issued under the Department of the Interior were as follows: Administrative Report No. 41, for the fiscal year 1939 (Appendix III to report of Commissioner of Fisheries, 1940); and Statistical Digest No. 1, for the calendar year 1939. Reports on preceding fiscal years were issued in the Administrative Report series of the former Bureau of Fisheries.

FISHERY STATISTICS OF THE UNITED STATES: 1940

By R. H. FIEDLER, *Chief, Division of Fishery Industries, Fish and Wildlife Service*

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INTRODUCTION

The fishery statistics of the United States and Alaska for the calendar year 1940, collected by the Fish and Wildlife Service during 1941, include data on the volume of the catch of fishery products and their value, employment in fishing, quantity of gear operated, number of fishing and transporting craft in use, employment in wholesale and manufacturing establishments, and volume and value of manufactured fishery products and byproducts. In addition to basic statistics on employment, yield, and production of manufactured fishery products for various geographical sections and by individual States, data are included on imports and exports, landings by fishing vessels at certain New England ports and at Seattle, Wash., a review of the Atlantic coast mackerel fishery, data on the shad fishery in the Hudson and Potomac Rivers and on the alewife fishery in the Potomac River, a review of the Pacific coast halibut fishery, and a statement on domestic whaling operations.

Statistical surveys during 1941 were conducted under the supervision of E. A. Power, Chief, Fishery Statistical Section, assisted by D. Y. Aska, Fisheries Marketing Specialist, and under general

direction of Fred F. Johnson, Assistant Chief of the Division of Fishery Industries. The following statistical and marketing agents assisted in the collection and compilation of the data: C. L. Dickinson, M. J. Fraser, R. L. Greer, V. E. Heffelfinger, G. W. Long, C. B. Lowden, C. H. Lyles, R. H. Marchant, C. H. Parcels, C. J. Robbins, A. M. Sandberg, C. B. Tendick, and F. M. Wood.

In the collection of data on the fisheries, use was made of all records collected by the various State fishery agencies. In the Great Lakes States, the Pacific Coast States, and in Maine these records were such that it was only necessary for the agents to conduct fragmentary surveys to obtain complete data. Federal agencies that cooperated in supplying data included the Department of Commerce, Bureau of Foreign and Domestic Commerce, which furnished the data on the imports and exports of fishery products, and the Department of Agriculture, Agricultural Marketing Service, which furnished the statistics on the freezings and cold-storage holdings of fishery products.

Acknowledgment is extended to the State and Federal agencies, and to individuals who cooperated in furnishing portions of the data contained in this volume.

GENERAL REVIEW

Data on the 1940 catch of fishery products were collected in all sections of the United States and Alaska except the Mississippi River area. The combined catch in the areas surveyed showed a decline of 9 percent in volume, but an increase of 2 percent in value, as compared with the catch in the same sections during the preceding year. In 1940 the yield of fishery products declined in all sections except the Middle Atlantic States, while the value of the catch to the fishermen increased in all sections except the Lake States and Alaska. The value of the pack of canned fishery products in all sections declined 3 percent, as compared with 1939, while the value of the yield of byproducts decreased 10 percent. The value of packaged fish and shellfish showed an increase of 6 percent, while that of cured products increased less than one-half of one percent.

The total catch of fishery products in the United States and Alaska, as based on the most recent surveys, amounted to 4,059,524,000 pounds, valued at \$98,957,000. About 125,000 fishermen were employed in making this catch.

The production of canned fishery products in the United States and Alaska during 1940 amounted to 708,930,442 pounds, valued at \$94,181,941; the output of byproducts was valued at \$30,554,258; the production of frozen fishery products, excluding packaged products, amounted to 99,907,000 pounds, estimated to be valued at \$7,400,000; and fresh and frozen packaged fish and shellfish 236,698,893 pounds, valued at \$32,747,946. Based on surveys for 1940 in all sections except the Mississippi River area, and for 1931 in that area, the production of cured fishery products amounted to 97,326,134 pounds, valued at \$14,234,483. It is estimated that about 700,000,000 pounds of fresh fishery products (excluding packaged fish and shellfish), valued at about \$59,000,000, were marketed during 1940. The total marketed value to domestic primary handlers of all fishery products in 1940 is estimated at \$238,000,000.

New England States.—Although the volume of the catch of fish and shellfish taken in the New England States during 1940 declined slightly as compared with the catch in 1939, the value of the catch showed an increase over the previous year. Decreased catches of sea herring, cod, and haddock were largely responsible for the decline, while a general rise in the price of fishery products accounted for the increase in value. A comparison of the combined vessel landings at Boston and Gloucester, Mass., and Portland, Maine, shows that although the 1940 landings declined 4 percent in volume, their value to the fishermen increased 13 percent, as compared with the preceding year. A large decrease in the pack of canned sardines in Maine accounted for most of the 10 percent drop in the value of the manufactured fishery products produced in the New England States in 1940, as compared with the preceding year.

Middle Atlantic States.—The 1940 catch of fishery products in the Middle Atlantic States showed an increase of 27 percent in volume and 4 percent in value as compared with the previous year. A marked increase in the production of menhaden accounted for the gain in the volume of the total catch, while increases in the values of clams and oysters were responsible for the major portion of the advance in the value of the yield. The 1940 catch of shad in the Hudson River was slightly below the yield in 1939, when the largest catch since 1901 was taken. The value of manufactured fishery products produced in the Middle Atlantic States during 1940 declined slightly, as compared with the preceding year.

Chesapeake Bay States.—Although the production of many of the important species of fish and shellfish in the Chesapeake Bay States increased during 1940, as compared with the previous year, the total catch of all species showed a slight decrease. Among the most important fluctuations were declines in the yield of crabs, clams, and shad, and increases in the production of menhaden, scup, flounders, and oysters. The production of shucked oysters declined in Maryland but increased in Virginia, as compared with 1939, while the poundage of fresh-cooked crab meat showed a marked decline in both States.

South Atlantic and Gulf States.—In 1940 the total catch of fishery products in the South Atlantic and Gulf States declined slightly, while there was a marked increase in the amount fishermen received for their production. The catch made by fishermen operating in the States of Alabama, Mississippi, and Texas increased during 1940, as compared with 1939, while that in the other States declined. The production of such important manufactured products as canned oysters, cooked and peeled shrimp, and frozen packaged shrimp increased in 1940, as compared with the preceding year, while the pack of canned shrimp showed a marked decline. The volume of sponges taken in Florida during 1940 declined approximately one-half, as compared with the previous year, while the value of the catch decreased only one-fourth.

Pacific Coast States.—The 1940 commercial catch of fishery products in the Pacific Coast States declined in volume but increased in value, as compared with the previous year. The decrease in poundage was largely the result of a decline of over three hundred million pounds in the yield of pilchards. Generally higher prices accounted for the gain in the amount received by fishermen for their production. The value of manufactured fishery products declined in 1940 largely as a result

of reduced yields of canned salmon and sardines, and of sardine (pilchard) meal and oil. The pack of canned mackerel was the second largest in history, while the yield of canned Pacific oysters exceeded all previous packs of this item.

Lake States.—There was a marked decline in both volume and value of the catch of fishery products taken in the Great Lakes and the international lakes of northern Minnesota during 1940, as compared with the previous year. Smaller catches of blue pike, chubs, and sauger accounted for the major portion of the decrease in volume. The value of manufactured fishery products, which consist largely of fresh and frozen packaged fish and of smoked fish, increased in 1940, as compared with 1939.

Mississippi River and tributaries.—The most recent complete statistics of the catch in the Mississippi River and its tributaries are those collected for 1931. As compared with 1922, when the most recent preceding survey was made, there was a decrease in the catch. This was caused principally by a smaller yield of fresh-water mussels. The production of fresh-water mussel-shell buttons declined in 1940, as compared with the previous year.

Alaska.—The catch of fishery products in Alaska during 1940 declined 15 percent in volume and 7 percent in value, as compared with the previous year. Reduced catches of herring, and of all species of salmon except chum, were responsible for the declines. As a result of the reduced catch during the year both the volume and value of the manufactured fishery items produced in the territory showed marked declines. Employment in the fisheries of Alaska during 1940 was reduced by about one-sixth as a result of restricted operations in western Alaska, where only 10 canneries operated as compared with 24 in the previous year.

*Fisheries of the United States and Alaska, 1940*¹

SUMMARY OF CATCH: BY SECTIONS

[Expressed in thousands of pounds and thousands of dollars; that is 000 omitted]

Product	New England, area XXII		Middle Atlantic, area XXIII		Chesapeake, area XXIII		South Atlantic and Gulf areas XXIV and XXV		Pacific	
	Quantity	Value	Quantity	Value	Quantity	Value	Quantity	Value	Quantity	Value
Fish	576,092	14,197	324,775	3,827	237,084	2,628	367,771	5,802	1,421,993	27,455
Shellfish, etc.	49,962	6,297	30,778	3,824	83,652	4,829	207,762	8,843	33,488	2,094
Whale products									800	29
Total	626,054	20,494	355,553	7,651	320,736	7,457	575,533	14,645	1,456,281	29,578

Product	Lakes		Mississippi River and tributaries		Alaska		Total	
	Quantity	Value	Quantity	Value	Quantity	Value	Quantity	Value
Fish	79,084	5,621	44,062	2,257	561,140	10,458	3,612,001	72,245
Shellfish, etc.	212	2	38,321	640	2,548	154	446,723	26,683
Whale products							800	29
Total	79,296	5,623	82,383	2,897	563,688	10,612	4,059,524	98,957

See footnotes at end of table.

NOTE.—The roman numerals appearing under the names in the section are the numbers given the areas by the North American Council on Fishery Investigations. It should be explained that there are included under the areas, craft whose principal fishing ports are in the respective areas but may fish elsewhere at times.

Fisheries of the United States and Alaska, 1940—Continued

OPERATING UNITS: BY SECTIONS

Item	New England	Middle Atlantic	Chesapeake	South Atlantic and Gulf	Pacific
Fishermen:	<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>Number</i>
On vessels.....	4,974	2,666	2,147	4,522	9,869
On boats and shore.....	13,572	5,071	12,122	23,419	15,314
Total.....	18,546	7,737	14,269	27,941	25,183
Vessels:					
Steam.....	11	12	16		
Net tonnage.....	1,332	915	1,262		
Motor.....	631	370	173	1,089	1,560
Net tonnage.....	19,351	7,668	2,723	12,624	44,256
Sail.....		7	129	56	3
Net tonnage.....		175	1,570	538	1,421
Total vessels.....	642	389	318	1,145	1,563
Total net tonnage.....	20,683	8,758	5,555	13,162	45,677
Boats:					
Motor.....	4,437	1,311	5,401	7,117	5,701
Other.....	4,014	2,629	4,454	7,627	1,035
Accessory boats.....	686	180	82	305	806
Apparatus:					
Haul seines.....	109	188	273	654	239
Purse seines.....	69	56	28	62	562
Stop seines.....	60				
Lampara nets.....					239
Otter trawls.....	493	178	39	3,169	106
Beam trawls.....					23
Paranzella nets.....					12
Gill nets.....	4,867	3,347	9,748	7,417	4,012
Trammel and bar nets.....				680	31
Pound nets, trap nets, and weirs.....	417	416	2,095	2,173	47
Floating traps.....	85				
Stop nets.....		58			
Fyke nets.....	83	1,448	3,026	338	1,965
Bag nets.....	102				8
Other nets ¹	549	109	992	8,079	928
Hooks, baits, or snoods.....	2,032,228	346,097	1,664,650	1,395,253	1,311,303
Eel pots and traps.....	2,120	3,438	14,352	715	
Brush traps.....				34,600	
Lobster pots and traps.....	328,988	14,461			
Crab, crawfish and turtle pots, and traps.....	6,455	10	7,802	18,373	36,727
Clam dredges.....	122	114		6	
Conch dredges.....		8			
Crab dredges.....		103	160		
Mussel dredges.....		10			
Oyster dredges.....	140	277	466	668	4
Scallop dredges.....	2,877	42		72	
Crab scrapes.....			520		
Tongs, rakes, shovels, hoes, forks, picks and grabs.....	6,617	3,384	7,433	3,017	5,886
Diving outfits.....				67	26
Other apparatus ¹	893	16,591	400	11,366	372

See footnotes at end of table.

Fisheries of the United States and Alaska, 1940—Continued

OPERATING UNITS: BY SECTIONS—Continued

Item	Lakes	Mississippi River and tributaries	Alaska	Total
Fishermen:				
On vessels.....	Number 1,694	Number 15,884	Number 10,093	Number 35,965
On boats and shore.....	3,448			88,830
Total.....	5,142	15,884	10,093	124,795
Vessels:				
Steam.....	30			69
Net tonnage.....	646			4,155
Motor.....	469		1,006	5,298
Net tonnage.....	5,427		12,844	104,893
Sail.....				195
Net tonnage.....				3,704
Total vessels.....	499		1,006	5,562
Total net tonnage.....	6,073		12,844	112,752
Boats:				
Motor.....	1,186	4,426	1,476	31,055
Other.....	599	10,120	2,656	33,134
Accessory boats.....				2,059
Apparatus:				
Haul seines.....	169	1,013	146	2,791
Purse seines.....			792	1,559
Stop seines.....				69
Lampara nets.....				239
Otter trawls.....				3,985
Beam trawls.....			11	34
Paranzella nets.....				12
Gill nets.....	106,031	101	4,095	139,618
Trammel and bar nets.....	75	518		1,304
Pound nets, trap nets, and weirs.....	8,336	374	437	14,295
Floating traps.....				85
Stop nets.....				58
Fyke nets.....	1,787	32,541		41,188
Bag nets.....				110
Other nets ¹		191		10,848
Hooks, baits, or snoods.....	615,839	2,459,179	(²)	9,824,549
Fish wheels.....			269	269
Eel pots and traps.....				20,625
Brush traps.....				34,600
Lobster pots and traps.....				343,449
Crab, crawfish and turtle pots, and traps.....	700	456	669	71,192
Clam dredges.....				242
Conch dredges.....				8
Crab dredges.....				263
Mussel dredges.....		440		450
Oyster dredges.....				1,555
Scallop dredges.....				2,991
Crab scrapes.....				520
Tongs, rakes, shovels, hoes, forks, picks and grabs.....	13	3,994		30,344
Diving outfits.....				93
Crowfoot bars.....	22	4,480		4,502
Other apparatus ³		3,781		33,403

¹ All figures are for 1940, except those for the Mississippi River and tributaries, which are for 1931.

² Includes persons in boat and shore fisheries.

³ Includes cast, dip, drop, drag, push, and reef nets.

⁴ Number not determined.

⁵ Includes fish, conch, and periwinkle or cockle pots; harpoons, spears, octopus traps, coquina scoops, and hooks.

NOTE.—The South Atlantic and Gulf section includes the fisheries of Lake Okeechobee, Florida.

Fisheries of the United States and Alaska, 1940—Continued

CATCH: BY SECTIONS

[Expressed in thousands of pounds and thousands of dollars; that is, 000 omitted]

Species	New England		Middle Atlantic		Chesapeake		South Atlantic and Gulf		Pacific	
	Quantity	Value	Quantity	Value	Quantity	Value	Quantity	Value	Quantity	Value
FISH										
Alewives.....	3, 193	\$19	221	\$3	16, 112	\$163	9, 116	\$111		
Amberjack.....			35	1			10	(6)	6, 318	\$58
Anchovies.....	12	(6)	6	(6)			2	(6)		
Angelfish.....			(6)	(6)			(6)	(6)	3, 698	173
Barracuda.....					45	4				
Black bass.....					19	2	2, 439	178		
Bluefish.....	41	5	130	12			781	12		
Blue runner or hardtail.....							36	1		
Bonito.....	124	5	1, 925	53	168	10	(6)	(6)		
Bowfin.....							59	3		
Buffalofish.....							64	3		
Butterfish.....	2, 476	95	8, 366	284	3, 619	64	64	3		
Cabio or crab eater.....			(6)	(6)	3	(6)	1	(6)		
Cabrilla.....									91	4
Carp.....	36	3	389	25	717	26	438	20	300	9
Catfish and bullheads.....			134	7	868	34	6, 486	200	152	21
Cigarfish.....							6	(6)		
Cod.....	82, 289	2, 503	3, 638	197	7	(6)			11, 197	159
Crappie.....					5	(6)	742	24		
Crevalle.....	(6)	(6)	(6)	(6)			239	3		
Croaker.....	813	19	5, 181	97	41, 724	615	4, 421	90		
Cunner.....	62	2	3	(6)						
Cusk.....	7, 967	205	(6)	(6)	(6)	(6)				
Dolphin.....							(6)	(6)		
Drum:										
Black.....			4	(6)	46	1	858	38		
Red or redfish.....			3	(6)	69	2	1, 595	98		
Eels:										
Common.....	274	24	588	55	194	16	82	4		
Conger.....	105	1	33	1	8	(6)				
Flounders.....	57, 572	1, 928	14, 362	687	1, 691	93	1, 065	83	20, 415	595
Flyingfish.....									38	1
Frigate mackerel.....			72	1						
Garfish.....							4	(6)		
Gizzard shad.....					179	3	12	(6)		
Goosefish.....	21	(6)	22	1						
Groupers.....			1	(6)			5, 184	206	79	3
Grunts.....							24	1		
Haddock.....	141, 193	4, 601	7, 743	323	12	(6)				
Hake.....	14, 322	296	295	8	102	2			18	(6)
Halibut.....	1, 129	147	25	3					23, 733	2, 348
Hardheads.....									5	1
Harvestfish or "starfish".....					73	1	435	13		
Herring, sea.....	44, 053	408	1, 925	16	7	(6)			1, 060	14
Hickory shad.....	26	(6)	4	(6)	125	3	371	13		
Hogchoker.....					4	(6)				
Horse mackerel.....									1, 433	23
Jewfish.....							138	4		
John Dory.....	1	(6)								
Kingfish (California).....									412	11
Kingfish or "king mackerel".....			34	1			3, 478	156		
King whiting or "kingfish".....	8	(6)	146	6	137	6	1, 427	42		
Lamprey.....	(6)	(6)								
Lance.....	163	7								
"Lingcod".....									4, 093	106
Mackerel.....	35, 970	767	4, 070	146	591	28			120, 504	1, 280
Menhaden.....	88	1	245, 369	842	143, 227	548	250, 077	823		
Minnnows.....	76	11								
Mojarra.....							395	7		
Mullet.....			23	1	23	1	37, 078	1, 378	2	(6)
Muttonfish.....							404	23		
Paddlefish or spoonbill cat.....							11	1		
Perch.....									190	6
Permit.....							22	(6)		
Piefish.....					1	(6)	87	3		
Pike or pickerel.....			(6)	(6)	29	4	(6)	(6)	913, 944	4, 836
Pilchard or sardine.....										
Pinfish or sailors choice.....							130	3		
Pollock.....	37, 333	691	194	4	(6)	(6)				
Pompano.....							563	137	11	2
Ratfish.....									1, 851	6

See footnotes at end of table.

Fisheries of the United States and Alaska, 1940—Continued

CATCH: BY SECTIONS—Continued

[Expressed in thousands of pounds and thousands of dollars; that is, 000 omitted]

Species	New England		Middle Atlantic		Chesapeake		South Atlantic and Gulf		Pacific	
	Quantity	Value	Quantity	Value	Quantity	Value	Quantity	Value	Quantity	Value
FISH—continued										
Rock bass									245	\$16
Rockfishes									5,311	187
Rosefish	85,142	\$1,271	64	\$1	64	\$1				
Rudderfish			(⁶)	(⁶)						
Sablefish									3,161	129
Salmon:										
Atlantic	2	1								
Blueback, red, or sockeye									5,855	749
Chinook or king									30,687	2,423
Chum or keta									9,128	251
Humpback or pink									149	4
Silver or coho									15,560	940
Sand perch			4	(⁶)	22	1				
Sculpin									122	9
Scup or porgy	10,843	264	5,777	123	3,979	65	92	\$3		
Sea bass	3,302	145	2,890	151	635	25	421	20		
Sea bass, black (California)									365	21
Sea bass, white (California)									913	70
Sea catfish							377	7		
Sea robin	142	2	162	2	10	(⁶)				
Shad	573	22	4,788	337	3,257	356	1,344	189	2,646	81
Sharks, including grayfish	802	24	83	1	11	(⁶)	4,260	25	12,885	517
Sheepshead:										
Fresh-water							18	1		
Salt-water							629	20	62	2
Silversides			162	2						
Skates	176	2	193	2	4	(⁶)			1,204	4
Skipper or "billfish"	(⁶)	(⁶)								
Smelt	562	46							3,371	93
Snapper:										
Lane							10	1		
Mangrove							205	9		
Red			10	1	(⁶)	(⁶)	6,524	577		
Snook or sergeantfish							470	25		
Spadefish							6	(⁶)		
Spanish mackerel			(⁶)	(⁶)	45	4	6,451	321	3	(⁶)
Spittail									12	(⁶)
Spot			228	5	2,353	51	5,449	86		
Squeteagues or "sea trout":										
Gray	154	11	4,791	187	13,674	263	3,630	182		
Spotted					94	9	6,312	512		
White							218	9		
Squirrel hake			301	2					3,156	194
Steelhead trout									64	3
Striped bass	147	19	382	54	1,839	175	540	59	99	4
Sturgeon	8	1	16	2	13	2	12	1		
Suckers	79	3	42	2	2	(⁶)	3	(⁶)		
Sunfish			1	(⁶)	6	(⁶)	2,105	63		
Swellfish			19	1	8	(⁶)				
Swordfish	1,337	230	92	19					887	118
Tautog	157	7	67	3	5	(⁶)				
Tenpounder							227	5		
Thimble-eyed mackerel	63	1	637	8	3	(⁶)				
Tilefish	9	(⁶)	583	35	1	(⁶)				
Tomcod	20	1	2	(⁶)	14	(⁶)			5	(⁶)
Triggerfish							6	(⁶)		
Tripletail							5	(⁶)		
Tuna and tunalike fishes:										
Albacore									14,502	996
Bluefin	1,121	39	34	1					19,970	1,117
Bonito									5,291	196
Skipjack									56,650	2,743
Yellowfin									113,760	6,707
Whitebait			25	1					127	9
Whitefish, common									60	3
White perch	4	(⁶)	77	4	768	33	108	4		
Whiting	40,869	336	8,388	108	253	4				
Wolfish	1,233	34		(⁶)						
Yellow perch			7	1	219	13	9	(⁶)		

See footnotes at end of table.

Fisheries of the United States and Alaska, 1940—Continued

CATCH: BY SECTIONS—Continued

[Expressed in thousands of pounds and thousands of dollars; that is, 000 omitted]

Species	New England		Middle Atlantic		Chesapeake		South Atlantic and Gulf		Pacific	
	Quantity	Value	Quantity	Value	Quantity	Value	Quantity	Value	Quantity	Value
FISH—continued										
Yellowtail:										
Atlantic.....							60	\$5		
Pacific.....									5,957	\$203
Miscellaneous.....									242	8
Total.....	576,092	\$14,197	324,775	\$3,827	237,084	\$2,628	367,771	5,802	1,421,993	27,455
SHELLFISH, ETC.										
Crabs:										
Hard.....	2,415	54	1,144	42	38,048	837	33,321	529	16,132	800
King or "horse-shoe".....			1,704	4						
Rock.....	4	(⁶)								
Soft and peelers.....	1	(⁶)	78	24	3,768	311	543	83		
Stone.....							62	13		
Crawfish.....									100	12
Lobster:										
Common.....	11,165	2,001	595	130	2	(⁶)			1,097	169
Spiny.....							463	32	1,097	169
Shrimp.....	9	(⁶)	5	1			150,541	5,893	1,138	19
Sand shrimp.....			156	52						
Abalone.....									345	93
Clams:										
Coquina.....							15	(⁶)		
Hard.....	4,453	584	5,207	823	1,843	370	1,241	113	510	45
Pismo.....									42	8
Razor.....	342	11	1	(⁶)					1,077	143
Soft.....	15,383	1,160	1,217	84					20	3
Surf.....			1,233	55						
Mixed.....									69	6
Conchs.....	425	8	270	10	15	1	25	1		
Mussels, sea.....	18	1	263	14	2,212	88				
Octopus.....							(⁶)	(⁶)	63	3
Oysters, market:										
Eastern, public.....	204	30	1,169	137	24,195	2,024	15,109	930		
Eastern, private.....	5,787	1,021	12,815	2,045	13,262	1,193	5,841	333	18	8
Pacific.....									10,756	610
Western.....									227	136
Periwinkles and cockles.....	88	6								
Scallops:										
Bay.....	1,131	382	19	8			163	21	22	6
Sea.....	5,391	800	2,252	331						
Squid.....	1,752	21	2,620	51	301	3	4	(⁶)	1,862	32
Sea urchins.....	102	1								
Terrapin.....					6	2	2	(⁶)		
Turtles.....	(⁶)	(⁶)	18	1			189	7		
Sea weed:										
Irish moss.....	596	59								
Other.....	137	1								
Sponges.....							243	888		
Bloodworms and sand-worms.....	559	157	12	12						
Trepang.....									10	1
Total.....	49,962	6,297	30,778	3,824	83,652	4,829	207,762	8,843	33,488	2,094
WHALE PRODUCTS ?										
Meat.....									294	6
Oil, whale.....									465	22
Other whale products.....									41	1
Total.....									800	29
Grand total.....	626,054	20,496	355,553	7,651	320,736	7,457	575,533	14,645	1,456,281	29,578

See footnotes at end of table.

Fisheries of the United States and Alaska, 1940—Continued

CATCH: BY SECTIONS—Continued

[Expressed in thousands of pounds and thousands of dollars; that is, 000 omitted]

Species	Lakes		Mississippi River and tributaries		Alaska		Total	
	Quantity	Value	Quantity	Value	Quantity	Value	Quantity	Value
FISH								
Alewives							28,642	\$296
Amberjack							45	1
Anchovies							6,336	58
Angelfish							2	(⁶)
Barracuda							3,698	173
Black bass			14	\$2			59	6
Bluefish							2,629	197
Blue pike	5,073	\$404					5,073	404
Blue runner or hardtail							781	12
Bonito							2,253	69
Bowfin	6	(⁶)	428	9			434	9
Buffalofish			15,772	687			15,831	690
Burbot	488	6					488	6
Butterfish							14,525	446
Cabio or crab eater							4	(⁶)
Cabrilla							91	4
Carp	5,998	148	11,892	455			19,770	686
Catfish and bullheads	1,053	90	10,267	878			18,960	1,230
Chubs	2,411	375					2,411	375
Cigarfish							6	(⁶)
Cisco	157	19					157	19
Cod					622	\$3	97,753	2,862
Crappie	(⁶)	(⁶)	41	3			788	27
Crevalle							239	3
Croaker							52,139	821
Cunner							65	2
Cusk							7,967	205
Dolly Varden trout					46	2	46	2
Dolphin							(⁶)	(⁶)
Drum:								
Black							908	39
Red or redfish							1,667	100
Eels:								
Common	32	1	7	1			1,177	101
Conger							146	2
Flounders					57	1	95,162	3,387
Flyingfish							38	1
Frigate mackerel							72	1
Garfish			73	1			77	1
Gizzard shad							191	3
Goldfish	217	7					217	7
Goosefish							43	1
Groupers							5,264	209
Grunts							24	1
Haddock							148,948	4,924
Hake							14,737	306
Halibut					24,034	1,520	48,921	4,018
Hardheads							5	1
Harvestfish or "starfish"							508	14
Herring:								
Lake	22,480	486					22,480	486
Sea					94,157	471	141,202	909
Hickory shad							526	16
Hogchoker							4	(⁶)
Horse mackerel							1,433	23
Jewfish							138	4
John Dory							1	(⁶)
Kingfish (California)							412	11
Kingfish or "king mackerel"							3,512	157
King whiting or "kingfish"							1,718	54
Lake trout	9,859	1,608					9,859	1,608
Lamprey							(⁶)	(⁶)
Lance							163	7
"Lingcod"					10	1	4,103	107
Mackerel							161,135	2,221
Menhaden							638,761	2,214
Minnnows			1	(⁶)			77	11
Mojarra							395	7
Mooneye	15	1	3	(⁶)			18	1
Mullet							37,126	1,380
Muttonfish							404	23
Paddlefish or spoonbill cat			952	43			963	44
Perch							190	6
Permit							22	(⁶)
Pigfish							88	3

See footnotes at end of table.

Fisheries of the United States and Alaska, 1940—Continued

CATCH: BY SECTIONS—Continued

[Expressed in thousands of pounds and thousands of dollars; that is, 000 omitted]

Species	Lakes		Mississippi River and tributaries		Alaska		Total	
	Quantity 220	Value \$8	Quantity 5	Value (⁶)	Quantity	Value	Quantity	Value
FISH—continued								
Pike or pickerel							254	\$12
Pilehard or sardine							913, 944	4, 836
Pinfish or sailors choice							130	3
Pollock							37, 527	695
Pompano							574	139
Ratfish							1, 851	6
Quillback			268	\$11			268	11
Rock bass	20	1					265	17
Rockfishes					139	\$3	5, 450	190
Rosefish							85, 270	1, 273
Rudderfish							(⁶)	(⁶)
Sablefish							6, 042	166
Salmon:					2, 881	37		
Atlantic							2	1
Blueback, red, or sock-eye					83, 258	2, 386	89, 113	3, 135
Chinook or king					11, 484	292	42, 171	2, 715
Chum or keta					76, 925	1, 106	86, 053	1, 359
Humpback or pink					240, 774	4, 012	240, 923	4, 016
Silver or coho					26, 740	624	42, 300	1, 564
Sand perch							26	1
Sauger	696	60	2	1			698	61
Sculpin							122	9
Scup or porgy							20, 691	455
Sea bass							7, 248	341
Sea bass, black (California)							365	21
Sea bass, white (California)							913	70
Sea catfish							377	7
Sea robin							314	4
Shad							12, 608	985
Sharks, including grayfish					12	(⁶)	18, 053	567
Sheepshead:								
Fresh-water	2, 995	61	3, 905	143			6, 918	205
Salt-water							691	22
Silversides							162	2
Skates							1, 577	8
Skipper or "billfish"							(⁶)	(⁶)
Smelt	4, 209	126			1	(³)	8, 143	265
Snapper:								
Lane							10	1
Mangrove							205	9
Red							6, 534	578
Snook or sergeantfish							470	25
Spadefish							6	(⁶)
Spanish mackerel							6, 499	325
Splittail							12	(⁶)
Spot							8, 030	142
Squeteagues or "sea trout":								
Gray							22, 249	643
Spotted							6, 406	521
White							218	9
Squirrel hake							301	2
Steelhead trout					(⁶)	(⁶)	3, 156	194
Striped bass							2, 972	310
Sturgeon	23	11					171	21
Sturgeon, shovelnose			87	8			87	8
Suckers	4, 399	122	315	13			4, 840	140
Sunfish	34	1	22	1			2, 168	65
Swellfish							27	1
Swordfish							2, 316	367
Tautog							229	10
Tenpounder							227	5
Thimble-eyed mackerel							703	9
Tilefish							593	35
Tomcod							41	1
Triggerfish							6	(⁶)
Tripletail							5	(⁶)
Tullibees	1, 227	52					1, 227	52
Tuna and tunalike fishes:								
Albacore							14, 502	996
Bluefin							21, 125	1, 157
Bonito							5, 291	196
Skipjack							56, 650	2, 743
Yellowfin							113, 760	6, 707

See footnotes at end of table.

Fisheries of the United States and Alaska, 1940—Continued

CATCH: BY SECTIONS—Continued

[Expressed in thousands of pounds and thousands of dollars; that is, 000 omitted]

Species	Lakes		Mississippi River and tributaries		Alaska		Total	
	Quantity	Value \$28	Quantity 3	Value (⁶)	Quantity	Value	Quantity	Value
FISH—continued								
Whitebass.....	470						473	\$28
Whitebait.....							152	10
Whitefish:								
Common.....	4,618	735					4,678	738
Menominee.....	101	7					101	7
White perch.....							957	41
Whiting.....							49,510	448
Wolfish.....							1,242	34
Yellow perch.....	6,216	533					6,451	547
Yellow pike.....	6,067	731	5	\$1			6,072	732
Yellow tail:								
Atlantic.....							60	5
Pacific.....							5,957	203
Miscellaneous.....							242	8
Total.....	79,084	5,621	44,062	2,257	561,140	\$10,458	3,612,001	72,245
SHELLFISH, ETC.								
Crabs:								
Hard.....					618	43	91,678	2,305
King (Pacific coast).....					10	1	10	1
King or "horseshoe".....							1,704	4
Rock.....							4	(⁶)
Soft and peelers.....							4,390	418
Stone.....							62	13
Crawfish.....	3	(⁶)	29	(⁶)			132	12
Lobster:								
Common.....							11,762	2,131
Spiny.....							1,560	201
Shrimp.....			49	4	921	37	152,663	5,954
Sand shrimp.....							156	52
Abalone.....					(⁶)	(⁶)	345	93
Clams:								
Coquina.....							15	(⁶)
Hard.....					(⁶)	(⁶)	13,254	1,935
Pismo.....							42	8
Razor.....					998	73	2,418	227
Soft.....							16,620	1,247
Surf.....							1,233	55
Mixed.....							69	6
Conchs.....							735	20
Mussels, sea.....							2,493	103
Mussel shells.....	209	2	37,255	422			37,464	424
Octopus.....							63	3
Oysters, market:								
Eastern, public.....							40,677	3,121
Eastern, private.....							37,723	4,600
Pacific.....					1	(⁶)	10,757	610
Western.....							227	136
Periwinkles and cockles.....							88	6
Scallops:								
Bay.....							1,335	417
Sea.....							7,643	1,131
Squid.....							6,539	107
Sea urchins.....							102	1
Terrapin.....			19	(⁶)			27	2
Turtles.....			94	3			301	11
Frogs.....			875	131			875	131
Sea weed:								
Irish moss.....							596	59
Other.....							137	1
Sponges.....							243	888
Pearls and slugs.....		(⁶)		80				80
Bloodworms and sand-worms.....							571	169
Trepang.....							10	1
Total.....	212	2	38,321	640	2,548	154	446,723	26,683
WHALE PRODUCTS ⁷								
Meat.....							294	6
Oil, whale.....							465	22
Other whale products.....							41	1
Total.....							800	29
Grand total.....	79,296	5,623	82,383	2,897	563,688	10,612	4,059,524	98,957

⁶ Less than 500 pounds or dollars.⁷ The weight of whales caught was not determined; therefore, the weight of manufactured products is shown.

Fisheries of the United States and Alaska, 1940—Continued

CATCH: BY STATES

[Expressed in thousands of pounds and thousands of dollars, that is, 000 omitted]

States	Marine and coastal rivers		Mississippi River and tributaries		Lakes ¹		Total	
	Quantity	Value	Quantity	Value	Quantity	Value	Quantity	Value
Alabama	11,344	\$562	1,822	\$33			13,166	\$595
Arkansas			15,732	411			15,732	411
California	1,290,446	20,160					1,290,446	20,160
Connecticut	14,180	1,060					14,180	1,060
Delaware	103,017	475					103,017	475
Florida	184,814	4,942			2,678	\$63	187,492	5,005
Georgia	12,672	381					12,672	381
Illinois			14,263	368	1,943	297	16,206	665
Indiana			7,718	157	523	65	8,241	222
Iowa			7,778	302			7,778	302
Kansas			455	17			455	17
Kentucky			1,622	61			1,622	61
Louisiana	126,627	4,951	19,213	995			145,840	5,946
Maine	88,088	2,606					88,088	2,606
Maryland	51,085	2,599					51,085	2,599
Massachusetts	510,938	15,756					510,938	15,756
Michigan					26,231	2,022	26,231	2,022
Minnesota			3,498	138	10,220	312	13,718	450
Mississippi	38,002	623	2,650	123			40,652	746
Missouri			928	77			928	77
Nebraska			145	16			145	16
New Hampshire	788	105					788	105
New Jersey	160,554	2,957					160,554	2,957
New York	91,959	4,216			1,970	175	93,929	4,391
North Carolina	170,581	1,865					170,581	1,865
Ohio			185	7	18,996	1,349	19,181	1,356
Oklahoma			40	4			40	4
Oregon	54,203	2,742					54,203	2,742
Pennsylvania	23	2			2,295	264	2,318	266
Rhode Island	12,060	966					12,060	966
South Carolina	9,446	266					9,446	266
South Dakota			114	11			114	11
Tennessee			3,435	104			3,435	104
Texas	19,369	993	139	6			19,508	999
Virginia	269,651	4,858					269,651	4,858
Washington	111,632	6,676					111,632	6,676
Wisconsin			2,645	68	17,119	1,139	19,764	1,207
Alaska	563,688	10,612					563,688	10,612
Total	3,895,167	90,373	82,382	2,898	81,975	5,686	4,059,524	98,957

SEED OYSTER FISHERY

Item	New England	Middle Atlantic	Chesapeake	Total
OPERATING UNITS				
Fishermen:	<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>Number</i>
On vessels	188	944	57	1,189
On boats and shore:				
Regular	24	117	823	964
Casual	26	37	103	166
Total	238	1,098	983	2,319
Vessels:				
Steam	4			4
Net tonnage	576			576
Motor	21	84	19	124
Net tonnage	446	1,832	100	2,378
Sail	12	13		25
Net tonnage	81	465		546
Total vessels	37	97	19	153
Total net tonnage	1,103	2,297	100	3,500

¹ Includes Lake Ontario, Lake Erie, Lake Huron, Lake Michigan, Lake Superior, Rainy Lake, Namakan Lake, Lake of the Woods, Lake Okeechobee, and several mussel-bearing streams tributary to Lakes Huron, Erie, and Michigan.

Fisheries of the United States and Alaska, 1940—Continued

SEED OYSTER FISHERY—Continued

Item	New England		Middle Atlantic		Chesapeake		Total	
OPERATING UNITS—CON.								
Boats:	<i>Number</i>		<i>Number</i>		<i>Number</i>		<i>Number</i>	
Motor.....	11		128		477		616	
Other.....	35		24		135		194	
Apparatus:								
Dredges.....	130		194				324	
Yards at mouth.....	152		237				389	
Tongs.....	42		153		844		1,039	
Rakes.....			1				1	
CATCH								
Oysters, seed:	<i>Bushels</i>	<i>Value</i>	<i>Bushels</i>	<i>Value</i>	<i>Bushels</i>	<i>Value</i>	<i>Bushels</i>	<i>Value</i>
Public, spring.....	11,295	\$8,650	836,857	\$329,196	676,187	\$123,131	1,524,339	\$460,977
Public, fall.....	29,966	19,387	1,653	714	613,293	116,409	644,912	136,510
Private, spring.....	241,621	238,789	44,050	54,330			285,671	293,119
Private, fall.....	102,843	99,055	14,630	14,750			117,473	113,805
Total.....	385,725	365,881	897,190	398,990	1,289,480	239,540	2,572,395	1,004,411

NOTE.—Of the total number of persons fishing for seed oysters 1,802 are duplicated among those fishing for market oysters or other species. Similarly, the following craft and gear are duplicated: 1 steam vessel, 81 motor vessels, 4 sail vessels, 398 motor boats, 147 other boats, 171 dredges and 688 tongs.

Yield of the fisheries of the United States, 1940: ¹ By gear

Gear	New England		Middle Atlantic		Chesapeake	
	<i>Pounds</i>	<i>Value</i>	<i>Pounds</i>	<i>Value</i>	<i>Pounds</i>	<i>Value</i>
Purse seines.....	27,142,500	\$559,200	240,998,800	\$864,984	135,970,500	\$530,867
Haul seines.....	882,100	31,539	1,939,500	103,870	8,833,900	216,993
Stop seines.....	15,836,600	158,820				
Gill nets.....	16,271,500	381,749	5,594,400	316,874	2,480,700	152,433
Lines.....	57,560,800	1,932,368	3,008,600	160,889	29,582,000	647,298
Pound nets.....	22,491,300	318,093	38,611,700	874,445	71,375,700	1,271,188
Floating traps.....	8,864,300	172,815				
Other traps.....	38,200	2,149	96,900	9,630	60,800	2,118
Weirs.....	21,287,800	184,903	340,000	989		
Stop nets.....			169,900	12,122		
Fyke nets.....	76,100	4,712	362,100	21,577	1,533,100	74,633
Dip nets.....	5,986,900	90,243	93,100	22,373	725,800	75,848
Bag, drag, and push nets.....	147,100	14,735	150,000	50,000		
Other trawls.....	400,057,800	10,158,905	36,177,400	1,410,523	17,267,400	391,059
Pots.....	13,807,400	2,071,342	2,408,800	232,583	5,503,900	112,462
Harpoons.....	1,689,800	239,400	92,200	18,561		
Spears.....	36,100	4,323	184,200	18,520		
Scrapes, crab.....					2,126,800	147,541
Dredges.....	12,485,800	2,093,536	17,743,000	2,498,985	13,895,700	1,095,942
Tongs.....	1,912,000	362,666	5,210,600	771,433	25,348,800	2,176,472
Rakes.....	3,013,800	380,814	1,312,600	186,392	3,037,400	259,717
Forks.....	118,600	26,736	12,000	12,410		
Hoes.....	16,157,900	1,298,872	780,400	47,357		
By hand.....	189,700	5,813	266,600	16,440	2,993,800	301,876
Total.....	626,054,100	20,493,733	355,552,800	7,650,957	320,735,800	7,456,447

¹ Data are for 1940 except those for the Mississippi River and tributaries, which are for 1931.

Yield of the fisheries of the United States, 1940: By gear—Continued

Gear	South Atlantic and Gulf		Pacific		Lakes	
	Pounds	Value	Pounds	Value	Pounds	Value
Purse seines	249,057,900	\$810,863	847,868,100	\$7,355,281		
Haul seines	25,661,500	894,261	5,014,000	283,563	6,562,600	\$185,398
Gill nets	45,976,600	2,003,218	² 33,330,500	² 1,904,669	39,021,200	2,921,350
Trammel nets	6,985,300	399,748			76,700	1,554
Lines	54,827,700	1,740,025	295,678,700	14,806,040	1,891,300	303,840
Pound nets	11,362,000	316,874	1,506,400	89,265	7,715,300	432,769
Other traps	85,400	13,237	17,076,800	964,957	20,667,300	1,557,011
Weirs			498,600	9,473		
Fyke nets	1,044,500	26,250	158,100	20,652	3,149,800	219,005
Dip nets	1,143,600	55,000	4,707,400	220,458		
Cast nets	290,100	10,640				
Bag, drag, and push nets			881,800	10,690		
Reef nets			751,100	75,850		
Lampara and ring nets			202,862,800	1,885,567		
Paranzella nets			³ 11,411,900	³ 391,997		
Otter trawls	151,828,500	5,933,833	19,493,700	345,367		
Beam trawls			290,900	13,872		
Pots	4,108,500	111,526			2,700	203
Harpoons			1,686,800	147,416		
Spears	410,500	35,188				
Dredges	⁴ 13,796,400	⁴ 786,195				
Tongs	5,643,400	455,986	⁵ 11,000,800	⁵ 753,826		
Crowfoot bars					153,400	1,523
Rakes	555,100	53,643				
Shovels			1,717,700	206,243		
Grabs	2,090,600	80,256				
Picks					48,400	609
Hooks	178,600	131,115				
Diving apparatus, abalone and sponge	202,800	765,783	344,800	92,744		
By hand	284,400	21,254			7,700	107
Total	575,533,400	14,644,895	1,456,280,900	29,577,930	79,296,400	5,623,369

Gear	Mississippi River and tributaries		Total	
	Pounds	Value	Pounds	Value
Purse seines			1,501,037,800	\$10,121,195
Haul seines	13,739,657	\$574,541	62,633,257	2,290,165
Stop seines			15,836,600	158,820
Gill nets	166,598	6,547	142,841,498	7,686,840
Trammel nets	1,134,206	75,615	8,196,206	476,917
Lines	10,140,037	772,245	452,689,137	20,362,705
Pound nets	224,275	9,541	153,286,675	3,312,175
Floating traps			8,864,300	172,815
Other traps			38,025,400	2,549,102
Weirs			22,126,400	195,365
Stop nets			169,900	12,122
Fyke nets	18,507,204	797,130	24,830,904	1,163,959
Dip nets	30,045	3,307	12,686,845	467,229
Cast nets			290,100	10,640
Bag, drag, and push nets			1,178,900	75,425
Reef nets			751,100	75,850
Lampara and ring nets			202,862,800	1,885,567
Paranzella nets			11,411,900	391,997
Otter trawls			624,824,800	18,239,687
Beam trawls			290,900	13,872
Pots	310,455	26,277	26,141,755	2,554,393
Harpoons			3,468,800	405,377
Spears	2,250	270	633,050	58,301
Scrapes, crab			2,126,800	147,541
Dredges	3,699,100	40,958	61,620,000	6,515,616
Tongs	1,601,876	21,091	50,716,976	4,541,474
Crowfoot bars	20,893,550	265,443	21,046,950	266,966
Rakes	370,130	4,029	8,289,030	884,595
Shovels			1,717,700	206,243
Forks	4,812,737	76,214	4,943,337	115,360
Hoes			16,938,300	1,346,229
Grabs	873,099	130,621	2,963,699	210,877
Picks			48,400	609
Hooks			178,600	131,115
Diving apparatus, abalone and sponge			547,600	858,527
By hand	5,877,304	93,528	9,619,504	439,018
Total	82,382,523	2,897,357	3,495,835,923	88,344,688

² Includes the catch by trammel nets.³ Includes a small catch by otter trawls.⁴ Includes the catch by coquina scoops.⁵ The catch by rakes, dredges and by hand is included with tongs.

Industries related to the fisheries of the United States and Alaska, 1940¹

Item	New England	Middle Atlantic	Chesapeake	South Atlantic and Gulf
Transporting:				
Persons engaged:	<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>Number</i>
On vessels.....	186	167	1,023	390
On boats.....		48		287
Total.....	186	215	1,023	677
Vessels:				
Motor.....	84	40	544	159
Net tonnage.....	1,189	796	5,512	1,495
Sail.....				26
Net tonnage.....				251
Total vessels.....	84	40	544	185
Total net tonnage.....	1,189	796	5,512	1,746
Boats.....		32		148
Wholesale and manufacturing:				
Establishments.....	398	339	525	776
Persons engaged:				
Proprietors.....	439	192	508	820
Salaried employees.....	913	856	378	543
Wage earners:				
Average for season.....	11,298	4,632	11,445	17,563
Average for year.....	5,444	3,673	4,550	5,197
Salaries and wages paid.....	\$7,547,395	\$6,736,554	\$3,552,827	\$3,814,342
Manufactured products.....	\$23,324,155	\$15,815,684	\$11,000,398	\$13,838,590
Fishermen's manufactured products:				
Persons engaged.....	2,949	287	108	680
Products.....	\$1,356,815	\$513,165	\$13,306	\$109,845

Item	Pacific	Lakes	Mississippi River and tributaries	Alaska	Total
Transporting:					
Persons engaged:	<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>Number</i>
On vessels.....	141	33	29	² 1,651	3,620
On boats.....				(?)	335
Total.....	141	33	29	1,651	3,955
Vessels:					
Motor.....	58	11	8	395	1,299
Net tonnage.....	1,089	101	104	12,384	22,670
Sail.....					26
Net tonnage.....					251
Total vessels.....	58	11	8	395	1,325
Total net tonnage.....	1,089	101	104	12,384	22,921
Boats.....				³ 546	726
Wholesale and manufacturing:					
Establishments.....	351	221	217	228	3,055
Persons engaged:					
Proprietors.....	357	151	204		
Salaried employees.....	1,320	508	355		
Wage earners:				13,455	90,215
Average for season.....	17,432	2,371	4,275		
Average for year.....	6,191	1,296	3,483	(⁴)	(⁴)
Salaries and wages paid.....	\$11,449,359	\$2,842,680	\$3,080,430	(⁴)	(⁴)
Manufactured products.....	\$62,631,235	\$4,243,301	\$2,271,290	\$34,088,145	\$167,212,798
Fishermen's manufactured products:					
Persons engaged.....	222	189	216	(⁴)	(⁴)
Products.....	\$192,948	\$148,968	\$8,751	(⁴)	(⁴)

¹ Data for the Mississippi River and tributaries are for 1931 except that the value shown for manufactured products includes that of mussel-shell products for 1940.

² Persons employed on boats have been included with those engaged on vessels.

³ Includes scows, houseboats, pile drivers, etc.

⁴ Statistics not available.

NOTE.—Of the total number of persons engaged in the preparation of fishermen's manufactured products 4,100 have also been included as fishermen, and 1,486 of the persons shown on transporting craft have also been included as fishermen.

MANUFACTURED FISHERY PRODUCTS

The output of manufactured fishery products (canned, cured, packaged, and byproducts) in the United States and Alaska during the most recent years for which data are available was valued at \$171,718,628. Of this amount, canned products accounted for 55 percent, fresh and frozen packaged products 19 percent, byproducts 18 percent, and cured products 8 percent.

Since complete general statistical surveys were conducted for 1940 in each of the geographical sections of the United States and Alaska except the Mississippi River area, the following computation of manufactured fishery products consists of data for 1940 with the exception of a small quantity of salted and smoked fish produced in the Mississippi River section.

Manufactured fishery products of the United States and Alaska, 1940¹

Item	Quantity	Value
Alewives:		
Salted:		
Round..... pounds..	899,400	\$15,939
Corned..... do...	5,871,550	132,266
Pickled ² do...	4,931,500	179,219
Spiced..... do...	3,778,499	379,110
Tight-pack cut..... do...	280,100	12,698
Corned, with roe..... do...	62,700	3,874
Roe..... do...	1,200	204
Smoked..... do...	145,625	7,508
Canned..... standard cases..	24,486	72,070
Roe, canned..... do...	28,597	165,869
Dry scrap..... tons.....	618	29,575
Oil..... gallons.....	13,841	2,967
Amberjack, smoked..... pounds..	500	65
Baracuda, fresh fillets..... do...	75,000	11,000
Bluefish, smoked..... do...	300	45
Blue marlin, smoked..... do...	300	66
Blue pike:		
Fresh fillets..... do...	1,475,348	354,747
Frozen fillets..... do...	212,147	49,944
Buffalofish, smoked ³ do...	350,700	74,445
Butterfish, smoked ³ do...	480,700	112,350
Cabrilla, fresh fillets..... do...	50,000	11,600
Carp, smoked ³ do...	172,917	50,187
Catfish and bullheads, smoked..... do...	7,800	1,560
Chubs, ciscos, and tullibees, smoked ³ do...	5,326,872	1,628,429
Cod:		
Fresh fillets..... do...	7,269,803	969,348
Frozen fillets..... do...	7,027,805	776,032
Fresh sticks..... do...	243,000	14,700
Smoked fillets..... do...	516,180	63,776
Salted:		
Green ² do...	3,577,502	151,800
Dry..... do...	2,830,907	234,229
Boneless and absolutely boneless..... do...	8,574,007	1,387,954
Tongues..... do...	44,395	4,700
Pickled..... do...	1,200	30
Oil:		
Cod..... gallons..	1,256	417
Cod-liver..... do...	281,257	253,168
Croaker, fresh fillets..... pounds..	281,500	30,570
Cusk:		
Fresh fillets..... do...	964,040	104,199
Frozen fillets..... do...	364,180	35,402
Fresh sticks..... do...	501,400	45,706
Smoked fillets..... do...	402,599	32,137
Eels:		
Smoked ³ do...	225,355	61,539
Salted..... do...	122,620	10,551
Flounders:		
Fresh fillets..... do...	7,436,868	1,026,061
Frozen fillets..... do...	3,742,943	500,287
Fresh steaks..... do...	65,000	15,800
Smoked..... do...	1,800	290
Groupers:		
Fresh fillets..... do...	110,500	19,745
Frozen fillets..... do...	6,021	1,053
Fresh steaks..... do...	331,500	75,980

See footnotes at end of table.

Manufactured fishery products of the United States and Alaska, 1940—Continued

Item	Quantity	Value
Haddock:		
Fresh fillets..... pounds.....	16, 178, 263	\$2, 217, 909
Frozen fillets..... do.....	20, 418, 603	2, 244, 837
Fresh sticks..... do.....	150, 000	16, 390
Salted, dry..... do.....	12, 715	602
Smoked:		
Whole..... do.....	29, 200	5, 808
Fillets..... do.....	293, 165	48, 966
Finnan haddie..... do.....	577, 611	66, 837
Finnan haddie, canned..... standard cases.....	181	2, 560
Hake:		
Fresh fillets..... pounds.....	844, 040	84, 121
Frozen fillets..... do.....	269, 485	23, 485
Fresh sticks..... do.....	547, 000	49, 480
Salted:		
Green..... do.....	902, 015	30, 271
Dry..... do.....	393, 165	11, 388
Boneless and absolutely boneless..... do.....	990, 345	80, 718
Smoked fillets..... do.....	39, 400	1, 227
Halibut:		
Frozen fillets..... do.....	52, 744	5, 274
Fresh steaks..... do.....	135, 000	31, 350
Frozen steaks..... do.....	175, 223	34, 947
Herring, lake:		
Fresh fillets..... do.....	56, 851	6, 786
Frozen fillets..... do.....	140, 340	14, 462
Salted..... do.....	5, 036, 574	158, 988
Smoked..... do.....	1, 082, 397	135, 262
Herring, sea:		
Salted:		
Pickled, Scotch cure..... do.....	4, 306, 875	292, 974
Brine-salted..... do.....	421, 700	15, 424
Dry-salted..... do.....	70, 250	2, 133
Pickled in vinegar..... do.....	1, 899, 425	90, 991
Norwegian cure..... do.....	10, 200	1, 350
Roasted..... do.....	223, 275	7, 097
Spiced..... do.....	1, 637, 869	173, 251
Smoked:		
Bloeters:		
Hard..... do.....	623, 642	78, 582
Soft..... do.....	8, 066	403
Unclassified..... do.....	107, 406	9, 719
Boneless..... do.....	2, 018, 330	210, 540
Lengthwise..... do.....	68, 517	3, 862
Medium-sealed..... do.....	171, 320	9, 909
Kippered..... do.....	489, 500	52, 113
Unclassified, whole..... do.....	178, 900	22, 645
Canned, "sardines"..... standard cases.....	1, 117, 748	3, 736, 394
Meal..... tons.....	9, 216	380, 134
Oil..... gallons.....	2, 241, 169	606, 722
Hogchoker, salted..... pounds.....	3, 000	140
Lake trout:		
Fresh fillets..... do.....	85, 401	24, 859
Frozen fillets..... do.....	2, 602	714
Smoked ³ do.....	887, 271	273, 277
Salted..... do.....	27, 000	2, 100
"Lingcod":		
Fresh fillets..... do.....	134, 369	10, 978
Frozen fillets..... do.....	34, 865	3, 118
Mackerel:		
Fresh fillets..... do.....	142, 059	15, 048
Frozen fillets..... do.....	858, 662	71, 351
Smoked..... do.....	64, 200	13, 050
Salted:		
Split..... do.....	498, 100	27, 369
Fillets..... do.....	1, 660, 000	108, 300
Canned..... standard cases.....	1, 421, 894	4, 101, 369
Menhaden:		
Scrap:		
Acid..... tons.....	15, 520	271, 533
Dry..... do.....	47, 354	2, 008, 681
Meal..... do.....	8, 895	414, 548
Oil..... gallons.....	5, 774, 671	1, 304, 720
Mullet:		
Salted..... pounds.....	1, 749, 500	116, 165
Roe, salted..... do.....	81, 300	18, 400
Smoked..... do.....	33, 100	6, 765
Paddlefish or spoonbill cat:		
Smoked ³ do.....	147, 500	60, 850
Roe, salted ⁴ do.....	1, 595	812
Pilchard:		
Canned..... standard cases.....	2, 945, 882	8, 975, 257
Meal..... tons.....	69, 975	3, 007, 705
Oil..... gallons.....	12, 626, 849	3, 761, 160

See footnotes at end of table.

Manufactured fishery products of the United States and Alaska, 1940—Continued

Item	Quantity	Value
Pollock:		
Fresh fillets.....pounds	2,050,282	\$186,706
Frozen fillets.....do	10,818,505	715,660
Salted:		
Green ².....do	188,872	5,775
Dry.....do	257,735	11,748
Rockfish:		
Fresh fillets.....do	712,930	104,539
Frozen fillets.....do	50,448	7,979
Rosefish:		
Fresh fillets.....do	643,149	74,401
Frozen fillets.....do	22,354,064	2,197,274
Sablefish:		
Kippered.....do	613,869	117,971
Pickled.....do	36,935	962
Salted.....do	180,290	10,002
Smoked ³.....do	561,995	158,414
Sailfish, smoked.....do	10,200	2,142
Salmon:		
Frozen steaks.....do	250,661	31,256
Dried.....do	1,946,243	78,781
Salted:		
Dry.....do	29,200	1,872
Mild-cured ².....do	7,770,510	1,494,494
Pickled.....do	829,505	90,573
Eggs for caviar.....do	291,518	26,856
Smoked ³.....do	8,423,486	2,842,132
Kippered.....do	2,543,104	721,048
Canned:		
Blueback, red, or sockeye.....standard cases	1,056,193	10,788,869
Chinook or king.....do	264,388	3,431,877
Chum or keta.....do	937,514	4,565,421
Humpback or pink.....do	2,924,774	15,708,867
Silver or coho.....do	383,706	3,118,849
Steelhead trout.....do	38,431	435,785
Smoked.....do	43	1,020
Caviar.....do	3,426	52,767
Eggs for bait.....do	8,766	128,101
Meal, body.....tons	969	47,914
Oil:		
Industrial.....gallons	60,011	24,427
Edible.....do	37,705	57,483
Sauger:		
Fresh fillets.....pounds	1,399,775	318,706
Frozen fillets.....do	1,310,081	293,879
Sea bass:		
Fresh fillets (Atlantic).....do	26,000	3,820
Fresh fillets, white (Pacific).....do	40,000	8,500
Fresh steaks, black (Pacific).....do	85,000	17,000
Sea catfish, fresh pan-dressed.....do	101,800	6,328
Shad:		
Smoked.....do	127,400	25,344
Canned.....standard cases	18,655	57,107
Roe, canned.....do	4,273	147,853
Shark, including grayfish:		
Fresh fillets.....pounds	175,000	19,500
Meal.....tons	527	24,775
Fins, dried.....pounds	24,177	10,203
Hides.....do	61,890	12,176
Body oil.....gallons	36,130	16,186
Liver oil.....do	241,102	1,132,570
Sheepshead, fresh fillets.....pounds	20,000	3,150
Snapper, red:		
Fresh fillets.....do	64,900	15,658
Fresh steaks.....do	83,200	22,274
Spanish mackerel, fresh fillets.....do	55,000	10,350
Spot, salted.....do	385,400	23,890
Squeteagues or "sea trout," fresh fillets.....do	218,400	28,076
Sturgeon:		
Smoked ³.....do	713,633	457,245
Roe, salted ¹.....do	123	180
Caviar, canned.....standard cases	946	236,446
Suckers, smoked.....pounds	2,000	150
Swordfish:		
Fresh steaks.....do	110,000	32,300
Frozen steaks.....do	23,954	6,415
Totauva, fresh steaks.....do	725,000	201,500
Tuna and tunalike fishes:⁷		
Canned:		
Albacore.....standard cases	383,868	2,467,517
Bluefin.....do	324,664	1,691,754
Bonito.....do	108,774	461,219
Striped.....do	817,018	4,297,695

See footnotes at end of table.

Manufactured fishery products of the United States and Alaska, 1940—Continued

Item	Quantity	Value
Tuna and tunalike fishes—Continued.		
Canned—Continued.		
“Tonno”..... standard cases	377, 212	\$2, 778, 002
Yellowfin..... do	2, 091, 708	11, 792, 095
Yellowtail..... do	85, 216	339, 878
Liver oil..... gallons	226, 553	2, 831, 791
Wahoo, smoked..... pounds	300	65
White bass, fresh fillets..... do	20, 907	3, 877
Whitefish:		
Fresh fillets..... do	103, 107	32, 570
Frozen fillets..... do	6, 153	1, 764
Smoked ³ do	2, 641, 069	875, 288
Caviar, canned..... standard cases	1, 683	66, 546
Whiting:		
Fresh fillets..... pounds	149, 680	10, 893
Frozen fillets..... do	1, 147, 815	82, 150
Frozen pan-dressed..... do	11, 179, 950	413, 672
Frozen split..... do	778, 770	54, 354
Wolfish:		
Fresh fillets..... do	33, 177	5, 098
Frozen fillets..... do	56, 046	7, 007
Yellow perch:		
Fresh fillets..... do	847, 235	201, 603
Frozen fillets..... do	60, 581	14, 668
Smoked..... do	600	150
Yellow pike:		
Fresh fillets..... do	529, 539	140, 431
Frozen fillets..... do	73, 284	18, 183
Smoked..... do	600	150
Crabs, hard:		
Meat, packaged, fresh-cooked..... do	8, 888, 365	2, 981, 726
Canned..... standard cases	19, 370	308, 890
Dry scrap..... tons	646	10, 418
Meal..... do	1, 685	31, 480
Crabs, king, “horseshoe,” meal..... do	286	11, 439
Lobsters, common, meat, packaged, fresh-cooked..... pounds	279, 750	317, 694
Shrimp:		
Frozen packaged..... do	14, 545, 079	2, 006, 805
Cooked and peeled..... do	1, 573, 337	479, 289
Sun-dried..... do	2, 069, 122	361, 096
Canned..... standard cases	989, 946	4, 318, 325
Soup, canned..... do	2, 903	15, 859
Smoked..... pounds	500	250
Bran or meal..... tons	1, 716	49, 810
Ahalone steaks..... pounds	333, 991	126, 716
Clams, hard:		
Fresh-shucked..... gallons	175, 495	205, 906
Canned:		
Whole..... standard cases	15, 917	82, 664
Minced..... do	22, 934	129, 637
Chowder..... do	572, 689	2, 135, 593
Juice, broth, soup, and cocktail including coquina clam juice..... do	21, 048	76, 475
Clams, razor:		
Fresh-shucked..... gallons	29, 450	11, 952
Canned:		
Whole..... standard cases	2, 221	17, 627
Minced..... do	72, 344	567, 023
Juice..... do	36	130
Clams, soft:		
Fresh-shucked..... gallons	886, 999	813, 156
Soused (pickled)..... do	75	150
Canned:		
Whole..... standard cases	124, 697	464, 798
Chowder..... do	77, 048	262, 370
Juice, broth, soup, and cocktail..... do	18, 694	42, 046
Steamed ⁴ pounds	117, 074	11, 603
Marine-shell products:		
Buttons..... gross	6, 830, 628	4, 140, 984
Novelties..... do		1, 258, 736
Mussel-shell, fresh-water, products:		
Buttons..... gross	8, 860, 113	2, 434, 257
Poultry-feed..... tons	4, 434	31, 074
Lime..... do	1, 117	1, 860
Mussels, sea, steamed and shucked..... pounds	901, 978	187, 354
Oysters:		
Eastern:		
Fresh-shucked..... gallons	6, 530, 323	8, 753, 581
Canned..... standard cases	497, 920	1, 964, 347
Soup, canned..... do	16, 311	95, 544
Pacific:		
Fresh-shucked..... gallons	478, 402	599, 661
Canned..... standard cases	146, 626	562, 512
Western or native, fresh-shucked..... gallons	28, 269	216, 114
Smoked, canned..... standard cases	720	21, 215

See footnotes at end of table.

Manufactured fishery products of the United States and Alaska, 1940—Continued

Item	Quantity	Value
Oysters—Continued.		
Shell products:		
Poultry-feed..... tons	272, 817	\$1, 003, 511
Lime and dust..... do	90, 204	246, 070
Lime, burned..... do	29, 271	208, 551
Scallops:		
Bay, fresh-shucked..... gallons	154, 130	493, 574
Sea, fresh-shucked..... do	926, 174	1, 181, 019
Squid, canned..... standard cases	22, 475	78, 364
Turtle products, canned..... do	10, 044	124, 056
Terrapin products, canned..... do	58	4, 126
Alligator hides ¹ pounds	88, 356	7, 363
Whale products:		
Oil:		
Whale..... gallons	2, 432, 531	899, 409
Sperm..... do	128, 987	52, 755
Meal (bone)..... tons	5	125
Unclassified products:		
Fillets, fresh ⁵ pounds	160, 977	18, 667
Pan-dressed fish, fresh ⁶ do	2, 228, 485	67, 293
Other packaged:		
Fresh ⁷ do	104, 425	19, 963
Frozen ⁸ do	287, 110	37, 059
Salted, including spiced and dried ⁹ do	2, 123, 927	189, 554
Smoked ¹⁰ do	384, 623	47, 510
Canned:		
Fish for cat and dog food..... standard cases	721, 732	1, 861, 638
Fish cakes, balls, etc..... do	115, 508	776, 684
Fish chowder..... do	4, 119	23, 249
Fish flakes..... do	32, 477	345, 938
Fish paste..... do	2, 371	114, 463
Crab and shrimp gumbo..... do	600	5, 048
Miscellaneous fish and fish roe ¹¹ do	25, 866	208, 519
Miscellaneous shellfish products, etc. ¹² do	2, 628	54, 274
Scrap, miscellaneous ¹³ tons	2, 203	39, 051
Meal:		
Tuna and mackerel..... do	14, 955	610, 007
Groundfish..... do	8, 250	424, 889
Miscellaneous ¹⁴ do	10, 257	468, 731
Oil:		
Fur seal..... gallons	24, 405	8, 969
Tuna and mackerel..... do	447, 326	123, 801
Miscellaneous liver ¹⁵ do	41, 709	870, 624
Miscellaneous ¹⁶ do	200, 006	78, 009
Glue..... do	334, 399	664, 424
Other by-products ¹⁷ do		686, 419
Total, fresh and frozen packaged products..... pounds	236, 698, 893	32, 747, 946
Total, cured products..... do	97, 326, 134	14, 234, 483
Total, canned products..... do	708, 930, 442	94, 181, 941
Total, by-products..... do		30, 554, 258
Grand total.....		171, 718, 628

¹ All data are for 1940 except for a small quantity of salted and smoked fish produced in the Mississippi River section which are for 1931.

² This is usually an intermediate product and although shown in the total may also be shown in its final stage of processing elsewhere in the table.

³ Data are for 1940 and 1931.

⁴ Data are for 1931.

⁵ Includes fresh fillets of carp, red drum, king whiting, pike or pickerel, scup, sea robin, shad, striped bass, suckers, swellfish, triggerfish, and tullibee.

⁶ Includes fresh pan-dressed croaker, red drum, flounders, scup, sea bass (Atlantic), Spanish mackerel, squeteagues, and whiting.

⁷ Includes fresh sticks of pollock; fresh-split whiting; and fresh packaged sea crawfish meat.

⁸ Includes frozen fillets of king whiting, pike or pickerel, and scup; frozen steaks of cod, cusk, pollock, red snapper, and wolfish; and frozen pan-dressed flounders.

⁹ Includes salted blue runner, cusk, haddock, hake, pollock, squeteagues, menhaden roe, and salmon bellies; dry-salted barracuda, bonito, cusk, mackerel, pilchard, sea bass (black, Pacific), and tuna; dry-salted fillets of jewfish and tuna; salted boneless and absolutely boneless cusk and haddock; green-salted cusk and haddock; brine-salted mackerel and fillets of mackerel; hard-salted salmon; and a small quantity of pickled tongues and sounds.

¹⁰ Includes smoked barracuda, cod, cusk, halibut, king mackerel, "lingcod," moon-eye, pollock, sheepshead, thimble-eyed mackerel, tuna, whitefish (menominee), and whiting; smoked alewife, mackerel, and salmon fillets; smoked boneless cod; and kippered sturgeon and albacore tuna.

¹¹ Includes canned salted cod and mackerel, pickled eels and herring, gefilte fish, salmon salad and stew, kippered sturgeon, fish bouillon, tuna and deep sea roe, and rat poison bait.

¹² Includes canned deviled and smoked hard crabs, soft crabs, deviled shrimp, shrimp salad, sea mussels, frog products, crayfish bisque, shellfish paste, newberg, and bouillon, and soft clam cakes.

¹³ Includes sea herring, king crab, and miscellaneous dry scrap; and rosefish cake.

¹⁴ Includes rosefish, abalone, soft clam, and miscellaneous fish meal.

¹⁵ Includes burbot, flounder, halibut, mackerel, sablefish, swordfish, and miscellaneous fish liver oils.

¹⁶ Includes blackfish, rosefish, turtle, and miscellaneous fish oils.

¹⁷ Includes agar-agar, pearl essence, pomace, isinglass, kelp products, hard clam poultry feed and lime, mussel-shell novelties, stucco and chips, and novelties other than shell.

NOTE.—Some of the above products have been manufactured from raw products imported from another country; therefore, they cannot be correlated directly with the catch within the United States and Alaska.

CANNED FISHERY PRODUCTS AND BYPRODUCTS TRADE

The output of canned fishery products and byproducts in the United States and Alaska in 1940 was valued at \$124,736,199. Of this total canned products comprised \$94,181,941 and byproducts \$30,554,258; a decrease of 3 percent in the value of canned products and 10 percent in the value of byproducts compared with the respective values of the same groups of commodities for the previous year.

Fishery products were canned at 386 establishments in the United States and Alaska during 1940. The combined output of these canneries amounted to 18,909,348 standard cases. The net weight of the products canned amounted to 708,930,442 pounds.

Canned fishery products or byproducts were prepared in 26 States and Alaska during 1940. California ranked first in the value of the products, accounting for 39 percent of the total, and Alaska ranked second, with 26 percent.

Canned fishery products and byproducts of the United States and Alaska, 1940

SUMMARY OF PRODUCTION: BY COMMODITIES

Products	Number of plants	Standard cases	Pounds	Value
Canned products:				
Salmon:				
United States	26	535,663	25,711,824	\$6,575,176
Alaska	100	5,069,343	243,328,464	31,474,492
Sardines				
Maine	27	1,117,748	27,943,700	3,736,394
California	32	2,945,882	141,402,336	8,975,257
Tuna and tunalike fishes	27	4,188,460	100,523,040	23,727,560
Mackerel	21	1,421,894	68,250,912	4,101,369
Alewites	5	24,486	1,175,328	72,070
Alewife roe	23	28,597	1,372,656	165,869
Shad	9	18,655	895,440	57,107
Shad roe	10	4,273	205,104	147,853
Cat and dog food	14	721,732	34,643,136	1,861,638
Finnan haddie	3	181	8,688	2,590
Fish flakes	3	32,477	1,558,896	345,938
Fish cakes, balls, etc.	9	115,508	5,544,384	776,684
Smoked salmon	1	43	2,064	1,020
Fish chowder	5	4,119	197,712	23,249
Fish paste	4	2,371	113,808	114,463
Sturgeon caviar	3	946	45,408	236,446
Salmon roe and caviar (for food)	4	3,426	164,448	52,767
Salmon eggs (for bait)	7	8,766	420,768	128,101
Whitefish caviar	4	1,683	80,784	66,546
Miscellaneous fish and roe	14	25,866	1,241,568	208,519
Clam products	57	1,927,628	24,257,145	3,778,363
Oysters	44	644,546	9,668,190	2,526,859
Shrimp	48	989,946	16,743,737	4,318,325
Crabs	25	19,370	755,430	308,890
Crab and shrimp gumbo	3	600	28,800	5,048
Oyster soup	5	16,311	782,928	95,454
Shrimp soup	3	2,903	139,344	15,859
Smoked oysters	6	720	34,560	21,215
Forapon products	3	58	2,784	4,126
Turtle products	6	10,044	482,112	124,056
Squid	4	22,475	1,078,800	73,364
Miscellaneous shellfish, etc.	16	2,628	126,144	54,274
Total	2,386	18,909,348	708,930,442	94,181,941
Byproducts:				
Oyster and marine clam-shell products		tons	Quantity	Value
Fresh-water mussel-shell products			395,088	\$1,479,847
Marine pearl-shell products				2,489,438
Marine pearl-shell products				5,399,720
Scrap, etc.				2,362,264
Meal		tons	66,508	5,471,557
Marine animal oils		gallons	24,815,638	12,025,178
Espinal glue		do	334,399	664,424
Miscellaneous byproducts				661,630
Total				30,554,258
Grand total				124,736,199

* "Cut out" or "drained" weights of can contents are included for whole and minced clams, and the gross contents for other clam products.

† Exclusive of duplication.

Canned fishery products and byproducts of the United States and Alaska, 1940—
Continued

VALUE OF PRODUCTION: BY STATES

State	Canned products	Byproducts	Total
Maine.....	\$4, 881, 611	\$479, 770	\$5, 361, 381
Massachusetts.....	1, 565, 836	2, 016, 752	3, 582, 588
Rhode Island.....		1, 007, 979	1, 007, 979
Connecticut.....	558, 205	2, 617, 672	3, 175, 877
New York.....		2, 974, 411	4, 867, 900
New Jersey.....	1, 680, 986	212, 503	
Pennsylvania.....	446, 935	636, 409	636, 409
Delaware.....		1, 583, 354	2, 030, 289
Maryland.....	90, 218	1, 351, 822	1, 442, 040
Virginia.....	76, 441	958, 727	1, 035, 168
North Carolina.....	511, 349	13, 408	928, 183
South Carolina.....	403, 426		
Georgia.....	232, 673	778, 374	1, 011, 047
Florida.....	2, 204, 293	291, 039	2, 585, 332
Alabama.....		2, 935, 996	179, 338
Mississippi.....	436, 439	194, 707	631, 146
Louisiana.....	3, 987, 170	1, 974, 908	1, 974, 908
Texas, Illinois, Missouri, Wisconsin, and Minnesota.....		879, 930	4, 867, 100
Iowa.....	5, 294, 488	195, 811	5, 490, 299
Washington.....	36, 949, 395	11, 250, 367	48, 199, 762
Oregon.....	31, 836, 480	956, 977	32, 793, 457
California.....	94, 181, 941	30, 554, 258	124, 736, 199
Alaska.....			
Total.....			

PACK OF CANNED SALMON: STANDARD CASES

Product	Alaska							
	Southeastern		Central		Western		Total	
	Cases	Value	Cases	Value	Cases	Value	Cases	Value
Chinook, or king:								
1-pound tall.....	713	\$5, 238	11, 943	\$97, 700	2, 492	\$21, 129	15, 148	\$124, 067
1-pound flat.....			2, 341	25, 893	1, 091	14, 631	3, 432	40, 524
½-pound flat.....	511	6, 132	6, 872	90, 159			7, 383	96, 291
Total.....	1, 224	11, 370	21, 156	213, 752	3, 583	35, 760	25, 963	260, 882
Blueback, red, or sockeye:								
1-pound tall.....	94, 862	894, 172	330, 147	3, 104, 096	459, 057	4, 301, 016	884, 066	8, 299, 284
1-pound flat.....	4, 449	48, 049	29, 360	290, 700			33, 809	338, 749
½-pound flat.....	25, 064	313, 661	21, 560	280, 700			46, 624	594, 361
4-pound.....	1, 233	11, 725	4, 010	37, 694			5, 243	49, 419
Total.....	125, 608	1, 267, 607	385, 077	3, 713, 190	459, 057	4, 301, 016	969, 742	9, 281, 813
Silver, or coho:								
1-pound tall.....	150, 635	1, 103, 145	116, 880	829, 930	1, 445	10, 640	268, 960	1, 943, 715
1-pound flat.....	1, 039	8, 935	296	2, 164			1, 335	11, 099
½-pound flat.....	1, 929	18, 168	302	2, 434			2, 231	20, 602
¼-pound flat.....	14	200					14	200
4-pound.....	2, 463	18, 534	1, 644	11, 261			4, 107	29, 795
Total.....	156, 080	1, 148, 982	119, 122	845, 789	1, 445	10, 640	276, 647	2, 005, 411
Humpback, or pink:								
1-pound tall.....	1, 413, 616	7, 605, 523	1, 430, 158	7, 588, 839	16, 081	85, 981	2, 859, 855	15, 280, 343
½-pound flat.....	35, 366	264, 571	959	6, 350			36, 325	270, 921
4-pound.....	9, 089	50, 899	17, 271	92, 400			26, 360	143, 299
Total.....	1, 458, 071	7, 920, 993	1, 448, 388	7, 687, 589	16, 081	85, 981	2, 922, 540	15, 694, 563
Chum, or keta:								
1-pound tall.....	475, 665	2, 284, 408	350, 329	1, 698, 388	35, 538	174, 061	861, 532	4, 156, 857
½-pound flat.....	7, 086	46, 160	256	1, 557			7, 342	47, 717
4-pound.....	3, 036	15, 180	2, 541	12, 069			5, 577	27, 249
Total.....	485, 787	2, 345, 748	353, 126	1, 712, 014	35, 538	174, 061	874, 451	4, 231, 823
Grand total.....	2, 226, 770	12, 694, 700	2, 326, 869	14, 172, 334	515, 704	4, 607, 458	5, 069, 343	31, 474, 492

Canned fishery products and byproducts of the United States and Alaska, 1940—
Continued

PACK OF CANNED SALMON: STANDARD CASES—Continued

Product	United States						Grand total, United States and Alaska	
	Washington		Oregon		Total			
Chinook, or king:	<i>Cases</i>	<i>Value</i>	<i>Cases</i>	<i>Value</i>	<i>Cases</i>	<i>Value</i>	<i>Cases</i>	<i>Value</i>
1-pound tall	10,617	\$83,772	18,531	\$116,416	29,148	\$200,188	44,296	\$324,265
1-pound oval	63	1,449	443	10,189	506	11,638	566	11,638
1-pound flat	6,366	87,393	29,917	322,662	36,283	410,055	39,715	450,579
1-pound oval	6	168	92	2,576	98	2,744	98	2,744
1-pound flat	48,749	743,567	114,872	1,666,719	163,621	2,410,286	171,004	2,506,577
1-pound flat	480	6,628	8,266	129,341	8,746	135,969	8,746	135,969
4-pound	23	115			23	115	23	115
Total	66,304	923,092	172,121	2,247,903	238,425	3,170,995	264,388	3,431,877
Blueback, red, or sockeye:								
1-pound tall	8	88			8	88	884,074	8,299,372
1-pound flat	1,660	23,240			1,660	23,240	35,469	351,989
1-pound flat	65,689	1,108,999	17,877	350,389	83,566	1,459,388	130,190	2,053,749
1-pound flat	132	2,640	1,085	21,700	1,217	24,340	1,217	24,340
4-pound							5,243	49,419
Total	67,489	1,134,967	18,962	372,089	86,451	1,507,056	1,056,193	10,788,869
Silver, or silver:								
1-pound tall	21,262	161,591	690	4,560	21,862	166,151	290,822	2,109,866
1-pound flat	8,179	72,210	11,553	103,977	19,732	176,187	21,067	187,286
1-pound flat	11,735	124,617	26,766	288,813	38,501	413,430	40,732	434,032
1-pound flat	3,382	45,401	23,078	309,245	26,460	354,646	26,474	354,846
4-pound	504	3,024			504	3,024	4,611	32,819
Total	45,062	406,843	61,997	706,595	107,059	1,113,438	383,706	3,118,849
Humpback, or pink:								
1-pound tall	1,232	7,146			1,232	7,146	2,861,087	15,287,489
1-pound flat	381	2,438			381	2,438	381	2,438
1-pound flat	621	4,720			621	4,720	36,946	275,641
4-pound							26,360	143,299
Total	2,234	14,304			2,234	14,304	2,924,774	15,708,867
Chum, or keta:								
1-pound tall	32,300	165,878	23,747	118,735	56,047	284,613	917,579	4,441,470
1-pound flat	26	161			26	161	26	161
1-pound flat	3,871	27,871	2,562	18,446	6,433	46,317	13,775	94,034
4-pound	557	2,507			557	2,507	6,134	29,756
Total	36,754	196,417	26,309	137,181	63,063	333,598	937,514	4,665,421
Steelhead:								
1-pound tall	1,379	11,032	1,995	15,960	3,374	26,992	3,374	26,992
1-pound flat	1,140	11,400	1,850	18,500	2,990	29,900	2,990	29,900
1-pound oval			1,938	32,559	1,938	32,559	1,938	32,559
1-pound flat	7,735	86,632	19,616	219,690	27,351	306,331	27,351	306,331
1-pound flat	7	101	2,771	39,902	2,778	40,003	2,778	40,003
Total	10,261	109,165	28,170	326,620	38,431	435,785	38,431	435,785
Grand total	228,104	2,784,788	307,559	3,790,388	535,663	6,575,176	5,005,006	38,049,668

NOTE: "Standard cases" represents the various-sized cases converted to the equivalent of forty-eight 1-pound cans to the case. Salmon were canned at 18 plants in Washington, 8 in Oregon, and 100 in Alaska.

Canned fishery products and byproducts of the United States and Alaska, 1940—
Continued

PACK OF CANNED SARDINES

Sardines (herring)	Maine		Sardines (pilchard)	California	
	Cases	Value		Cases	Value
Quarters, ¼-pound (100 cans):			1 pound:		
In olive oil.....	33, 979	\$212, 805	Oval:		
In cottonseed oil.....	821, 836	2, 741, 313	In mustard (48 cans).....	198, 590	\$613, 445
In mustard.....	89, 386	325, 188	In tomato sauce (48 cans).....	1, 334, 459	4, 080, 147
In tomato sauce.....	5, 295	20, 865	In natural oil (48 cans).....	44, 225	130, 553
Three-quarters, ¾-pound (48 cans):			Tall:		
In mustard.....	59, 592	185, 053	In mustard (48 cans).....	20, 417	46, 929
In various sauces and oils, (standard cases).....	81, 439	251, 170	In tomato sauce (48 cans).....	71, 914	168, 479
			In natural oil (48 cans).....	546, 645	1, 183, 634
			½ pound:		
			Round:		
			In tomato sauce (96 cans).....	23, 992	74, 760
			In natural oil (96 cans).....	290, 864	835, 335
			8 Z short:		
			In natural oil (96 cans).....	43, 587	124, 250
			Oval:		
			In various sauces and oils (48 cans).....	141, 640	172, 398
			Oblong, round and square:		
			In various sauces and oils (48 cans).....	155, 068	457, 067
			5-ounce tall:		
			In tomato sauce (100 cans).....	141, 023	418, 769
			In natural oil (100 cans).....	269, 691	734, 385
			Other sizes:		
			In various sauces and oils (standard cases).....	5, 460	35, 106
Total (actual cases).....	1, 091, 527	3, 736, 394	Total (actual cases).....	3, 187, 575	8, 975, 257
Total (standard cases).....	1, 117, 748	-----	Total (standard cases).....	2, 945, 882	-----

¹ Includes a production in 16-ounce oval cans, 48 to the case, which has been converted to the equivalent of 8-ounce cans, 48 to the case.

NOTE.—“Standard cases” represent the various cases converted to the equivalent of 100 ¼-pound cans to the case of sardines (herring), and 48 1-pound cans to the case of sardines (pilchard). Sardines were canned at 32 plants in California and 27 in Maine.

PACK OF CANNED TUNA AND TUNALIKE FISHES

Product and size	Albacore		Yellowfin		Bluefin		Striped	
	Cases	Value	Cases	Value	Cases	Value	Cases	Value
¼-pound (48 cans).....	38, 161	\$106, 840	238, 216	\$973, 574	21, 790	\$85, 413	57, 324	\$195, 824
¼-pound (100 cans).....			(1)	(1)	(1)	(1)	(1)	(1)
½-pound (48 cans).....	247, 629	1, 657, 216	1, 288, 710	7, 461, 273	205, 095	1, 113, 830	620, 123	3, 339, 673
1-pound (48 cans).....	17, 991	217, 419	102, 156	1, 100, 495	29, 736	282, 606	42, 015	398, 890
4-pound (12 cans).....	1, 910	26, 389	5, 132	61, 729			(?)	(?)
Total (actual cases).....	305, 691	2, 007, 864	1, 634, 214	9, 597, 076	256, 621	1, 481, 849	719, 462	3, 934, 387
Total (standard cases).....	306, 511	-----	1, 622, 394	-----	275, 462	-----	732, 815	-----
Flakes:								
¼-pound (48 cans).....			18, 486	64, 627	(3)	(3)	(3)	(3)
½-pound (48 cans).....	51, 225	246, 224	400, 273	1, 886, 925	41, 662	180, 786	74, 753	324, 567
1-pound (48 cans).....	13, 066	113, 429	28, 276	229, 239	3, 770	29, 119	4, 725	38, 141
4-pound (12 cans).....			1, 623	14, 228				
Total (actual cases).....	64, 291	359, 653	448, 658	2, 195, 019	45, 432	209, 905	79, 478	362, 708
Total (standard cases).....	77, 357	-----	469, 314	-----	49, 202	-----	84, 203	-----
Grand total (actual cases).....	369, 982	2, 367, 517	2, 082, 872	11, 792, 095	302, 053	1, 691, 754	798, 940	4, 297, 095
Grand total (standard cases).....	383, 868	-----	2, 091, 708	-----	324, 664	-----	817, 018	-----

See footnotes at end of table.

Canned fishery products and byproducts of the United States and Alaska, 1940—
Continued

PACK OF CANNED TUNA AND TUNALIKE FISHES—Continued

Product and size	"Tonno"		Bonito		Yellowtail		Total	
	Cases	Value	Cases ⁽⁵⁾	Value ⁽⁵⁾	Cases ⁽⁵⁾	Value ⁽⁵⁾	Cases	Value
¼-pound (48 cans).....			⁵ 9, 103	⁵ \$47, 490			355, 491	\$1, 361, 651
¼-pound (100 cans).....	322, 849	\$2, 483, 295					331, 952	2, 530, 785
½-pound (48 cans).....	⁶ 40, 910	⁶ 294, 707	46, 994	208, 273	⁵ 43, 438	⁵ \$182, 448	2, 492, 899	14, 257, 425
1-pound (48 cans).....			25, 351	199, 385	⁷ 17, 673	⁷ 132, 645	234, 922	2, 331, 440
4-pound (12 cans).....	⁽⁸⁾	⁽⁸⁾			⁽²⁾	⁽²⁾	7, 042	88, 118
Total (actual cases).....	363, 759	2, 778, 002	81, 448	455, 148	61, 111	315, 093	3, 422, 306	20, 569, 419
Total (standard cases).....	377, 212		107, 178		78, 785		3, 500, 335	
Flakes:								
¼-pound (48 cans).....							18, 486	64, 627
½-pound (48 cans).....			⁷ 1, 596	⁷ 6, 071	⁷ 6, 431	⁷ 24, 785	575, 940	2, 669, 358
1-pound (48 cans).....			(?)	(?)	(?)	(?)	49, 837	409, 928
4-pound (12 cans).....							1, 623	14, 228
Total (actual cases).....			1, 596	6, 071	6, 431	24, 785	645, 886	3, 158, 141
Total (standard cases).....			1, 596		6, 431		688, 125	
Grand total (actual cases).....	363, 759	2, 778, 002	83, 044	461, 219	67, 542	339, 878	4, 068, 192	23, 727, 560
Grand total (standard cases).....	377, 212		108, 774		85, 216		4, 188, 460	

¹ The pack in ¼-pound cans, 100 to the case, has been converted to the equivalent of ½-pound cans, 48 to the case.

² The pack in 4-pound cans, 12 to the case, has been converted to the equivalent of 1-pound cans, 48 to the case.

³ The pack in ¼-pound cans, 48 to the case, has been converted to the equivalent of ½-pound cans, 48 to the case.

⁴ The pack of creamed tuna in ¾-pound cans, 48 to the case, has been converted to the equivalent of 4-pound cans, 12 to the case.

⁵ The pack in ½-pound cans, 48 to the case, has been converted to the equivalent of ¼-pound cans, 100 to the case, and ½-pound cans, 48 to the case.

⁶ The pack in 4-pound cans, 12 to the case, has been converted to the equivalent of ½-pound cans, 48 to the case.

⁷ The pack in 1-pound cans, 48 to the case, has been converted to the equivalent of ½-pound cans, 48 to the case.

NOTE.—"Standard cases" represents the various sized cases converted to the equivalent of forty-eight ½-pound cans to the case. Tuna and tunalike fishes were canned at 16 plants in California, 3 in Washington, 6 in Oregon, and 2 in Massachusetts. The pack of all varieties of tuna and tunalike fishes in California amounted to 3,974,948 standard cases, valued at \$22,337,109, while the pack of albacore tuna in Washington and Oregon, and bluefin tuna in Massachusetts, totaled 213,512 standard cases, valued at \$1,390,451.

PACK OF CANNED MACKEREL

Size	Cases	Value
8-ounce (96 cans).....	56, 738	\$198, 641
16-ounce (48 cans).....	1, 340, 262	3, 778, 690
Other sizes (standard cases).....	24, 894	124, 038
Total (actual cases).....	1, 421, 894	4, 101, 369
Total (standard cases).....	1, 421, 894	

NOTE.—"Standard cases" represents the various sized cans converted to the equivalent of 48 1-pound cans to the case. Mackerel were canned at 3 plants in Massachusetts, and 18 in California. The pack of mackerel in California amounted to 1,400,016 standard cases, valued at \$3,986,695, and the pack in Massachusetts 21,878 standard cases, valued at \$114,674.

PACK OF CANNED ALEWIVES AND ALEWIFE ROE: STANDARD CASES

Product	Maryland		Virginia		North Carolina		Total	
	Cases	Value	Cases	Value	Cases	Value	Cases	Value
Alewives.....	¹ 24, 486	¹ \$72, 070	(1)	(1)	(1)	(1)	24, 486	\$72, 070
Alewife roe.....	6, 608	38, 653	12, 015	\$71, 635	9, 914	\$55, 581	28, 597	165, 869
Total.....	31, 154	110, 723	12, 015	71, 635	9, 914	55, 581	53, 083	237, 939

¹ A small production of alewives in Virginia and North Carolina has been included with the Maryland production.

Canned fishery products and byproducts of the United States and Alaska, 1940—
Continued

PACK OF CANNED ALEWIVES AND ALEWIFE ROE: ACTUAL CASES

Product and size	Cases	Value
Alewives:		
14, 15, 17-ounce (24 cans).....	² 34, 235	² \$45, 551
16-ounce (48 cans).....	³ 9, 480	³ 26, 519
Total.....		72, 070
Alewife roe:		
8, 9, 10-ounce (48 cans).....	⁴ 17, 341	⁴ 61, 638
17-ounce (24 cans).....	37, 450	104, 231
Total.....		165, 869
Grand total.....		237, 939

² Consists principally of 14-ounce cans.

³ Includes a pack of 28-ounce cans, 24 to the case, and 106-ounce cans, 6 to the case, which have been converted to the equivalent of 16-ounce cans, 48 to the case.

⁴ Consists principally of 8-ounce cans.

NOTE.—“Standard cases” represents the various sized cases converted to the equivalent of forty-eight 1-pound cans to the case. Alewives were canned at 2 plants in Maryland, 2 in Virginia, and 1 in North Carolina. Alewife roe was canned in 7 plants in Maryland, 11 in Virginia, and 5 in North Carolina.

PACK OF CANNED OYSTERS¹

Standard cases			Actual cases ¹		
STATE	Cases	Value	SIZE	Cases	Value
Maryland, North Carolina, and South Carolina.....	102, 330	\$427, 133	4-ounce (48 cans).....	10, 698	\$40, 016
Georgia, Florida, and Ala- bama.....	39, 911	151, 041	5-ounce (48 cans).....	484, 004	1, 878, 382
Mississippi.....	286, 672	1, 127, 241	8-ounce (48 cans).....	65, 199	391, 803
Louisiana.....	69, 007	258, 932	10-ounce (24 cans).....	31, 161	128, 215
Washington and Oregon.....	146, 626	562, 512	Other sizes (standard cases)...	16, 504	88, 443
Total.....	644, 546	2, 526, 859	Total.....		2, 526, 859

¹ The pack of oyster stew, oyster soup, and smoked oysters has not been included with the pack of oysters but has been shown under “Pack of Miscellaneous Canned Fishery Products.”

NOTE.—“Standard cases” represents the various sized cases converted to the equivalent of forty-eight 5-ounce cans to the case. Oysters were canned at 1 plant in Maryland, 1 in North Carolina, 3 in South Carolina, 2 in Georgia, 1 in Florida, 2 in Alabama, 13 in Mississippi, 9 in Louisiana, 10 in Washington, and 2 in Oregon.

PACK OF CANNED CRABS¹

Standard cases			Actual cases		
STATE	Cases	Value	SIZE	Cases	Value
Maine, Virginia, South Caro- lina, and Louisiana.....	6, 743	\$130, 869	8-ounce (48 cans).....	30, 703	\$239, 606
Washington.....	4, 317	63, 629	16-ounce (48 cans).....	2, 345	39, 168
Oregon.....	1, 896	27, 236	20-ounce (24 cans).....	506	4, 204
Alaska.....	6, 414	87, 156	20-ounce (90 cans).....	177	5, 592
Total.....	19, 370	308, 890	Other (standard cases).....	942	20, 320
			Total.....		308, 890

¹ The pack of canned soft shell crabs has not been included with the pack of crabs, but has been shown under the “Pack of Miscellaneous Canned Fishery Products.”

NOTE.—“Standard cases” represents the various sized cases converted to the equivalent of forty-eight 1-pound cans to the case, each can containing 13 ounces of meat. Crabs were canned at 1 plant in Maine, 1 in Virginia, 1 in South Carolina, 1 in Louisiana, 4 in Washington, 5 in Oregon, and 12 in Alaska.

PACK OF CANNED CLAMS AND CLAM PRODUCTS: STANDARD CASES

Product and State	Whole		Minced		Chowder		Juice, broth, soup, and cocktail		Total	
	Cases	Value	Cases	Value	Cases	Value	Cases	Value	Cases	Value
Soft clams:										
Maine, Massachusetts, and New Jersey.....	1 124,697	1 \$164,798			2 77,048	2 \$262,370	3 18,694	3 \$42,046	220,439	\$769,214
Hard clams:										
Massachusetts, Rhode Island, and Pennsylvania.....					207,028	841,060			207,028	841,060
New York, Florida, Illinois, and Alaska.....	4 4,368	4 32,254	5 10,399	5 \$67,165	6 64,243	6 232,661	7 16,933	7 68,004	95,943	400,084
New Jersey.....			(5)	(5)	272,382	981,710	(7)	(7)	272,382	981,710
Maryland.....					29,036	80,162			29,036	80,162
Washington.....	11,549	50,410	12,535	62,472	(6)	(6)	4,115	8,471	28,199	121,353
Total.....	15,917	82,664	22,934	129,637	572,689	2,135,593	21,048	76,475	632,588	2,424,369
Razor clams:										
Washington and Oregon.....	1,162	9,232	40,158	302,082			36	130	41,356	311,444
Alaska.....	1,059	8,395	32,186	264,941					33,245	273,336
Total.....	2,221	17,627	72,344	567,023			36	130	74,601	584,780
Grand total.....	142,835	565,089	95,278	696,660	649,737	2,397,963	39,778	118,651	927,628	3,778,363

PACK OF CANNED CLAMS AND CLAM PRODUCTS: ACTUAL CASES

Product and size	Whole		Minced		Chowder		Juice, broth, soup, and cocktail		Total	
	Cases	Value	Cases	Value	Cases	Value	Cases	Value	Cases	Value
Soft clams:										
No. 1 (48 cans).....	87,061	\$315,395			19,649	\$76,983	2,194	\$6,247	108,904	\$398,625
1-pound (48 cans).....	13,674	92,420			8,512	41,129			22,186	133,549
No. 2 (24 cans).....	⁸ 15,759	⁸ 56,983			⁽⁹⁾	⁽⁹⁾	8,376	11,550	24,135	68,533
No. 2½ (24 cans).....					27,597	121,330			27,597	121,330
No. 10 (6 cans).....	⁽⁵⁾	⁽⁵⁾			⁽⁹⁾	⁽⁹⁾	574	3,057	574	3,057
Other sizes (standard cases).....					6,527	22,928	7,392	21,192	13,919	44,120
Total		464,798				262,370		42,046		769,214
Hard clams:										
½-pound (48 cans).....	214	916	12,020	\$46,878			1,508	7,532	13,742	55,326
No. 1 (48 cans).....	⁽⁹⁾	⁽⁹⁾	1,765	9,985	380,385	1,421,088	1,604	6,583	383,754	1,437,656
1-pound (48 cans).....	2,541	20,035			86,937	535,266	731	5,913	90,209	561,214
No. 2 (24 cans).....	3,793	23,944	1,983	11,557	1,984	5,956	3,104	10,162	10,864	51,619
No. 2½ (12 cans).....					32,892	88,307	⁽⁹⁾	⁽⁹⁾	32,892	88,307
No. 10 (6 cans).....	4,770	23,826	5,489	46,268	8,611	44,299	4,878	17,788	23,748	132,181
Other sizes (standard cases).....	1,686	13,943	2,434	14,949	13,107	40,677	7,745	28,497	24,972	98,066
Total		82,664		129,637		2,135,593		76,475		2,424,369
Razor clams:										
½-pound (48 cans).....	41	236	76,929	492,807					76,970	493,043
No. 1 (48 cans).....	1,647	13,581	10,554	72,311			36	130	12,237	86,022
1-pound (48 cans).....	324	3,552							324	3,552
No. 2 (24 cans).....	23	258	247	1,905					270	2,163
Total		17,627		567,023				130		584,780
Grand total		565,089		696,660		2,397,963		118,651		3,778,363

¹ Packed in Maine and New Jersey.

² Packed in Maine and Massachusetts.

³ Packed in Maine.

⁴ Packed in New York, Florida and Alaska.

⁵ A small pack of minced clams in New Jersey has been included with the New York and Florida production.

⁶ A small pack of chowder in Washington has been included with the New York, Florida, and Illinois production.

⁷ A small pack of juice and broth in New Jersey and coquina broth in Florida has been included with the New York and Florida production.

⁸ A small production in No. 10 cans (6 to the case) has been converted to the equivalent of No. 2 cans (24 to the case) and included with the production of this size.

⁹ The production of this item has been included with "Other sizes (standard cases)."

NOTE.—"Standard cases" represents the various size cases converted to the equivalent of 48 No. 1 cans. Soft clams were canned at 15 plants in Maine, 3 in Massachusetts, and 1 in New Jersey; hard clam products, at 1 plant in Massachusetts, 2 in Rhode Island, 2 in New York, 4 in New Jersey, 1 in Pennsylvania, 3 in Maryland, 1 in Florida, 5 in Washington, 1 in Illinois, and 1 in Alaska; razor clam products, at 5 plants in Washington, 1 in Oregon, and 11 in Alaska; and coquina clam broth at 1 plant in Florida.

Canned fishery products and byproducts of the United States and Alaska, 1940—
Continued

PACK OF CANNED SHRIMP: STANDARD CASES

State	Dry pack (in tins)		Wet pack (in tins)		Wet pack (in glass)		Total	
	Cases	Value	Cases	Value	Cases	Value	Cases	Value
Georgia.....	(1)	(1)	71,983	\$311,107	4,818	\$34,117	76,801	\$345,224
Florida.....	¹ 6,026	¹ \$26,240	9,638	41,923	² 3,641	² 28,088	19,305	96,251
Alabama and Texas.....	2,258	11,192	131,595	556,502	(?)	(?)	133,853	567,694
Mississippi.....	21,580	96,580	139,058	572,520	.....	.....	160,638	669,100
Louisiana.....	118,023	529,341	475,326	2,063,415	5,962	46,924	569,311	2,639,680
Alaska.....	38	376	.....	.....	.....	.....	38	376
Total.....	147,925	663,729	827,600	3,545,467	14,421	109,129	989,946	4,318,325

PACK OF CANNED SHRIMP: ACTUAL CASES

Size	Cases	Value
In tins, dry:		
4-ounce (48 cans).....	19,745	\$77,980
5-ounce (48 cans).....	131,596	582,933
8 $\frac{1}{4}$ -ounce (24 cans).....	646	2,816
In tins, wet:		
4-ounce (48 cans).....	¹ 936	¹ 4,635
5 $\frac{1}{4}$ -ounce (48 cans).....	813,028	3,466,355
9 $\frac{3}{4}$ -ounce (24 cans).....	1,391	6,234
32-ounce (12 cans).....	9,163	68,243
In glass, wet:		
2 $\frac{1}{2}$ -ounce (48 jars).....	1,848	7,729
4-ounce (24 jars).....	497	1,382
5 $\frac{1}{4}$ -ounce (24 jars).....	18,454	69,065
6-ounce (24 jars).....	8,085	30,953
Total.....	.....	4,318,325

¹ A small pack of dry shrimp in tins, produced in Georgia, has been included with the Florida production.

² A small pack of shrimp in glass, produced in Texas, has been included with the Florida production.

³ Includes a small pack in 1 $\frac{1}{2}$ -ounce cans, 24 to the case, which has been converted to the equivalent of 4-ounce cans, 48 to the case.

NOTE.—"Standard cases" represents the various sized cases converted to the equivalent of forty-eight 5-ounce cans to the case in the dry pack and forty-eight 5 $\frac{1}{4}$ -ounce cans to the case in the wet pack. Shrimp were canned at 3 plants in Georgia, 3 in Florida, 2 in Alabama, 13 in Mississippi, 24 in Louisiana, 2 in Texas, and 1 in Alaska. The pack of shrimp soup is not included in the above data, but is shown in the table "Pack of Miscellaneous Canned Fishery Products."

Canned fishery products and byproducts of the United States and Alaska, 1940—
Continued

PACK OF MISCELLANEOUS CANNED FISHERY PRODUCTS: STANDARD CASES

Product	Atlantic and Gulf Coasts ¹		Pacific Coast (including Alaska)		Total	
	Cases	Value	Cases	Value	Cases	Value
Cat and dog food.....	246, 205	\$392, 675	475, 527	\$1,468,963	721, 732	\$1,861, 638
Finnan haddie.....	181	2, 590			181	2, 590
Fish cakes, balls, etc.....	² 115, 508	² 776, 684	(?)	(?)	115, 508	776, 684
Fish chowder.....	4, 119	23, 249			4, 119	23, 249
Fish flakes ³	32, 477	345, 938			32, 477	345, 938
Fish paste.....	⁴ 2, 371	⁴ 114, 463		(?)	2, 371	114, 463
Shad.....	(?)	(?)	⁵ 18, 655	⁵ 57, 107	18, 655	57, 107
Shad roe.....	(?)	(?)	⁶ 4, 273	⁶ 147, 853	4, 273	147, 853
Salmon eggs (for bait).....			8, 756	128, 101	8, 766	128, 101
Salmon roe and caviar (for food).....	3, 426	52, 767			3, 426	52, 767
Smoked salmon.....			43	1, 020	43	1, 020
Sturgeon caviar.....	946	236, 446			946	236, 446
Whitefish caviar.....	1, 683	66, 546			1, 683	66, 546
Miscellaneous fish and roe ⁶	25, 676	204, 723	190	3, 796	25, 866	208, 519
Crab and shrimp gumbo.....	600	5, 048			600	5, 048
Oyster soup.....	16, 311	95, 454			16, 311	95, 454
Shrimp soup.....	2, 903	15, 859			2, 903	15, 859
Smoked oysters.....	(?)	(?)	⁷ 720	⁷ 21, 215	720	21, 215
Terrapin products.....	58	4, 126			58	4, 126
Turtle products.....	10, 044	124, 056			10, 044	124, 056
Squid.....			22, 475	78, 364	22, 475	78, 364
Miscellaneous shellfish, etc. ⁸	⁹ 2, 628	⁹ 54, 274	(?)	(?)	2, 628	54, 274
Total.....	465, 136	2, 514, 898	530, 649	1, 906, 419	995, 785	4, 421, 317

¹ Includes the production of gaffite fish by one firm in Ohio and of whitefish caviar by one firm in Wisconsin.

² A small pack of codfish balls by one firm in Washington has been included with the production of fish cakes, balls, etc., on the East Coast.

³ Tuna flakes are not included in this table, but are included in the table for canned tuna and tunalike fishes.

⁴ A small pack of fish paste by one firm in California has been included with the production on the East Coast.

⁵ A small pack of shad and shad roe by one firm in Maryland has been included with the production on the West Coast.

⁶ Includes cod salad, pickled eels, fish bouillon, gefilte fish, salt mackerel, rat poison bait, salmon salad, salmon stew, and deep sea roe on the East Coast, and kippered sturgeon and tuna roe on the West Coast.

⁷ A small pack of smoked oysters by one firm in Louisiana has been included with the production on the West Coast.

⁸ Includes clam cakes, deviled crabs, soft-shell crabs, crayfish soup, frog and frog legs, pickled mussels, shrimp salad, deviled shrimp, smoked crab meat, and shellfish bouillon, newberg, and paste.

⁹ A pack of smoked crab meat by one firm in Washington has been included with the production of miscellaneous shellfish, etc., on the East Coast.

NOTE.—“Standard cases” represents the various sized cases converted to the equivalent of 48 1-pound cans to the case. Cat and dog food was canned at 14 plants; finnan haddie, at 3 plants; fish cakes, balls, etc., at 9 plants; fish chowder, at 5 plants; fish flakes, at 3 plants; fish paste, at 4 plants; shad, at 9 plants; shad roe, at 10 plants; salmon eggs (for bait), at 7 plants; salmon roe and caviar (for food), at 4 plants; smoked salmon, at 1 plant; sturgeon caviar, at 3 plants; whitefish caviar, at 4 plants; miscellaneous fish and roe, at 12 plants; crab and shrimp gumbo, at 3 plants; oyster soup, at 5 plants; shrimp soup, at 3 plants; smoked oysters, at 6 plants; terrapin products, at 3 plants; turtle products, at 6 plants; squid, at 4 plants; and miscellaneous shellfish, at 16 plants.

PRODUCTION OF OYSTER AND MARINE CLAM-SHELL PRODUCTS¹

State	Crushed shell for poultry feed		Shell lime		Total	
	Tons	Value	Tons	Value	Tons	Value
Massachusetts, Rhode Island, Connecticut New York, and Delaware.....	3, 796	\$41, 636	571	\$3, 258	4, 367	\$44, 894
New Jersey.....	5, 360	43, 687	2, 116	8, 222	7, 476	51, 909
Pennsylvania.....	1, 577	14, 555	447	1, 004	2, 024	15, 559
Maryland.....	42, 480	218, 858	31, 624	55, 547	74, 104	274, 405
Virginia.....	29, 471	154, 289	34, 660	226, 971	64, 131	381, 260
North Carolina, South Carolina, and Florida.....	15, 444	84, 871	20, 784	58, 371	36, 228	143, 242
Alabama, Mississippi, Louisiana, and Texas.....	153, 750	303, 426	22, 839	66, 704	176, 589	370, 130
Washington and Oregon.....	9, 177	85, 027	² 7, 326	² 40, 390	16, 503	125, 417
California.....	13, 666	73, 031	(?)	(?)	13, 666	73, 031
Total.....	274, 721	1, 019, 380	³ 120, 367	³ 460, 467	395, 088	1, 479, 847

¹ Marine clam-shell products were produced only in Washington.

² The production of shell lime in California is included with the Washington and Oregon production.

³ Includes 29,271 tons of burned lime, valued at \$208,551, which was produced in Virginia and Louisiana.

NOTE.—Crushed shell products were prepared at 1 plant in Massachusetts, 1 in Rhode Island, 1 in Connecticut, 1 in New York, 6 in New Jersey, 3 in Pennsylvania, 1 in Delaware, 4 in Maryland, 7 in Virginia, 4 in North Carolina, 1 in South Carolina, 1 in Florida, 1 in Alabama, 3 in Mississippi, 1 in Louisiana, 2 in Texas, 8 in Washington, 2 in Oregon, and 4 in California.

Canned fishery products and byproducts of the United States and Alaska, 1940—
Continued

PRODUCTION OF FRESH-WATER MUSSEL-SHELL PRODUCTS

Item	Iowa		New York, Illinois, Missouri, Massa- chusetts, and Wis- consin		Total	
	Quantity	Value	Quantity	Value	Quantity	Value
Pearl buttons..... gross	6,897,070	\$1,922,441	1,963,043	\$511,816	8,860,113	\$2,434,257
Crushed shell for poultry feed						
..... tons	4,074	29,200	360	1,874	4,434	31,074
..... do	917	1,273	200	587	1,117	1,860
Other products ¹		22,247		(?)		22,247
Total.....		1,975,161		514,277		2,489,438

¹ Consists of chips and novelties² A production of chips in New York, and novelties in Massachusetts, has been included with the Iowa production of chips and novelties.

NOTE.—Mussel shells purchased during the year amounted to 16,555,000 pounds, valued at \$176,014. Shells were taken in 15 States in the Mississippi River and the Great Lakes region. The producing States, in the order of their importance, were: Kentucky, which contributed 22 percent of the total quantity; Arkansas, 20 percent; Indiana, 17 percent; Tennessee, 13 percent; Illinois, 9 percent; Iowa and Texas, 5 percent each; Mississippi, Alabama, and Missouri, 2 percent each; and Louisiana, Michigan, Minnesota, Ohio, and Wisconsin, less than 1 percent each.

PRODUCTION OF MARINE PEARL-SHELL PRODUCTS¹

Item	Connecticut		New York		New Jersey	
	Gross	Value	Gross	Value	Gross	Value
Pearl buttons.....	1,569,843	\$992,979	1,002,366	\$672,233	2,228,839	\$1,538,330
Novelties ²				172,187		82,950
Total.....		992,979		844,420		1,621,280

Item	Florida	Maine, Massachusetts, Rhode Island, Penn- sylvania, Maryland, and California		Total	
		Gross	Value	Gross	Value
Pearl buttons.....		² 2,029,580	² \$937,442	6,830,628	\$4,140,984
Novelties ²	\$177,003		⁴ 826,596		1,258,735
Total.....	177,003		1,764,038		5,399,720

¹ Produced principally from imported shells.² Produced in Maine, Massachusetts, Pennsylvania, and Maryland.³ Includes knife handles, handles for manicure sets, dolls, lamps, mounted fish decoys, etc.⁴ Produced in Massachusetts, Rhode Island, Maryland, and California.

NOTE.—Marine pearl-shell products were manufactured at 1 plant in Maine, 2 in Massachusetts, 1 in Rhode Island, 6 in Connecticut, 8 in New York, 18 in New Jersey, 1 in Pennsylvania, 1 in Maryland, 11 in Florida, and 2 in California.

FISH UTILIZED AND PRODUCTS OF THE MENHADEN INDUSTRY

State	Menhaden utilized	Products						
		Dry scrap and meal		Acidulated scrap		Oil		Total
		Tons	Value	Tons	Value	Gallons	Value	Value
New York, New Jersey, Delaware, Georgia, and Mis- sissippi.....	Number 411,279,000	21,233	\$949,525	10,820	\$186,300	2,873,124	\$900,552	\$1,736,378
Virginia.....	200,588,000	14,609	575,424			1,295,234	307,965	883,389
North Carolina.....	193,644,000	12,334	542,613	2,564	45,173	1,189,209	310,942	898,728
Florida.....	141,637,000	8,073	355,666	2,136	40,060	417,104	85,261	480,987
Total.....	¹ 947,148,000	² 56,249	² 2,423,229	15,520	271,533	5,774,671	1,304,720	3,999,482

¹ 634,589,000 pounds.² Of this production, 47,354 tons, valued at \$2,008,681 were reported as dry scrap and 8,895 tons, valued at \$414,548 as meal.

NOTE.—The menhaden factories were located as follows: 1 in New York, 2 in New Jersey, 2 in Delaware, 9 in Virginia, 10 in North Carolina, 1 in Georgia, 4 in Florida, and 1 in Mississippi.

Canned fishery products and byproducts of the United States and Alaska, 1940—
Continued

PRODUCTION OF MISCELLANEOUS BYPRODUCTS

Product	Atlantic and Gulf Coasts ¹		Pacific Coast (including Alaska)		Total	
	Quantity	Value	Quantity	Value	Quantity	Value
Dried scrap:						
Alewife..... tons.....	618	\$29,575			618	\$29,575
Blue crab..... do.....	646	10,418			646	10,418
Miscellaneous ² do.....	³ 2,370	³ 42,057	(3)	(3)	2,370	42,057
Meal:						
Blue crab..... do.....	1,685	31,480			1,685	31,480
Groundfish "white fish"..... do.....	8,250	424,889			8,250	424,889
Herring..... do.....	1,522	48,886	7,694	\$331,248	9,216	380,134
King crab..... do.....	286	11,439			286	11,439
Pilchard..... do.....			69,975	3,007,705	69,975	3,007,705
Salmon..... do.....			969	47,914	969	47,914
Shark..... do.....			527	24,775	527	24,775
Shrimp..... do.....	⁴ 1,716	⁴ 49,810	(4)	(4)	1,716	49,810
Tuna and mackerel..... do.....			14,955	610,007	14,955	610,007
Miscellaneous ⁵ do.....	8,924	427,897	1,338	40,959	10,262	468,856
Oil:						
Alewife..... gallons.....	13,841	2,967			13,841	2,967
Cod..... do.....	1,256	417			1,256	417
Cod-liver..... do.....	281,257	253,168			281,257	253,168
Fur-seal..... do.....			24,405	8,969	24,405	8,969
Herring..... do.....	141,423	33,354	2,099,746	573,368	2,241,169	606,722
Pilchard..... do.....			12,626,849	3,761,160	12,626,849	3,761,160
Salmon:						
Edible..... do.....			37,705	57,483	37,705	57,483
Industrial..... do.....			60,041	24,427	60,041	24,427
Shark..... do.....			36,130	16,186	36,130	16,186
Shark-liver..... do.....	28,018	44,780	213,084	1,087,790	241,102	1,132,570
Tuna-liver..... do.....	9,544	642,828	217,009	2,188,963	226,553	2,831,791
Tuna and mackerel..... do.....			447,326	123,801	447,326	123,801
Whale:						
Sperm..... do.....	119,552	49,016	9,435	3,739	128,987	52,755
Other..... do.....	2,381,869	881,292	50,662	18,117	2,432,531	899,409
Liver, miscellaneous ⁶ do.....	7,765	295,374	33,944	575,250	41,709	870,624
Miscellaneous ⁷ do.....	145,806	60,937	54,200	17,072	200,006	78,009
Liquid glue ⁸ do.....	334,399	664,424	(8)	(8)	334,399	664,424
Miscellaneous byproducts ⁹ do.....		237,160		424,670		661,830
Total.....		4,242,168		12,943,603		17,185,771

¹ Includes the production of burbot-liver oil in Minnesota and Wisconsin.² Includes herring, king crab, and miscellaneous dry-scrap; fish pomace; and redfish chum.³ A small quantity of miscellaneous dry scrap produced in California has been included with the production of miscellaneous dry scrap on the East Coast.⁴ A small amount of shrimp meal produced in California has been included with the production of shrimp meal on the East Coast.⁵ Includes clam, rosefish, and miscellaneous fish meals on the East Coast, and abalone, whale, and miscellaneous fish meals on the West Coast.⁶ Includes burbot, halibut, mackerel, sablefish, swordfish, and miscellaneous liver oils on the East Coast, and flounder, halibut, sablefish, and miscellaneous liver oils on the West Coast.⁷ Includes blackfish, rosefish, turtle, and miscellaneous fish oils on the East Coast, and miscellaneous fish oils on the West Coast.⁸ A quantity of liquid glue produced in California is included with the production of liquid glue on the East Coast.⁹ Includes isinglass, kelp products (including agar-agar), shark fins, shark hides, fish scale novelties, and pearl essence.

NOTE.—The whale products shown for the Atlantic and Gulf Coasts were produced on a factory ship operating in the Southern Hemisphere.

FROZEN FISH TRADE¹

FISH FROZEN

A total of 196,154,783 pounds of fishery products were frozen during 1940 by domestic freezing plants that reported their activities to the government. At the time these products were held in cold storage they were estimated to be valued at about \$17,000,000. Compared with the output in 1939 this is an increase of 7 percent in volume. Seven items accounted for 58 percent of the poundage frozen. These were whiting, which accounted for 11 percent of the total; rosefish

¹ The statistics in this section were furnished by the Agricultural Marketing Service, Department of Agriculture.

fillets, 10 percent; haddock fillets, and halibut, each 9 percent; haddock fillets, and shrimp, each 8 percent; mackerel, 7 percent; and pollock fillets, 5 percent. Other products frozen in considerable quantity during the year were chinook and silver salmon, sablefish (black cod), cisco (lake herring), and sea herring.

Production of frozen fishery products, 1940

BY SPECIES AND MONTHS

Species	Month ending the 15th of—					
	January	February	March	April	May	June
FROZEN FISH						
	<i>Pounds</i>	<i>Pounds</i>	<i>Pounds</i>	<i>Pounds</i>	<i>Pounds</i>	<i>Pounds</i>
Bluefish (all trade sizes).....	130,156	37,041	3,328	600	9,946	2,201
Butterfish (all trade sizes).....	39,720	7,920	6,050	1,457	9,385	257,333
Catfish.....	41,244	14,888	5,150	10,443	25,766	37,581
Cisco (Lake Erie).....	13,052	27,323	-----	15,685	11,639	129
Cisco (lake herring) including bluefin, blackfin and chub.....	276,000	37,899	76,054	61,919	87,769	200,723
Cisco (tullibee, Canadian lakes).....	3,338	14,696	4,957	619	-----	5,759
Cod, haddock, hake, and pollock (except fillets of cod, haddock, and pollock).....	80,132	204,198	194,802	109,168	170,931	168,676
Cod fillets.....	171,751	130,372	356,703	95,918	304,010	243,458
Croaker.....	29,008	12,200	7,409	4,413	104,623	1,008,113
Flounders.....	49,877	79,985	54,565	79,122	142,600	257,781
Haddock fillets.....	666,746	1,084,105	815,139	605,246	1,802,213	1,341,458
Halibut (all trade sizes).....	-----	-----	-----	604,317	2,775,307	3,806,055
Herring, sea (including alewives and blue- backs).....	28,459	215,139	291,486	152,693	550,028	1,042,600
Lake trout.....	161,372	80,758	13,717	10,591	46,345	64,236
Mackerel (except Spanish).....	25,991	42,386	53,480	186,673	468,908	1,490,118
Perch, yellow.....	90,549	33,933	73,503	31,788	2,359	36,106
Pike, blue and sauger.....	24,681	44,450	102,987	70,088	7,623	203,161
Pike, yellow or wall-eyed.....	90,749	92,927	8,667	12,213	69,995	27,098
Pike (including pickerel, jacks and yellow- jack).....	430	620	71,374	15,467	78,200	91,828
Pollock fillets.....	1,486,550	139,605	66,684	44,419	86,334	412,695
Rosefish fillets.....	1,261,095	1,456,450	1,133,745	561,470	511,514	2,777,300
Sablefish (black cod).....	47,581	69,064	103,623	16,056	18,848	51,276
Salmon, king or chinook.....	33,006	38,234	13,347	41,881	87,574	508,436
Salmon, silver or coho.....	47,451	35,934	34,800	38,179	56,660	68,324
Salmon, fall and pink.....	57,198	28,620	24,841	22,970	12,674	5,557
Salmon, steelhead trout.....	32,799	38,359	39,136	37,121	18,450	30,308
Scup (porgies).....	7,940	370	1,514	2,478	3,694	63,347
Shad and shad roe.....	7,534	23,662	836	7,848	287,150	132,298
Smelts, eulachon, etc.....	100,459	56,071	203,016	385,488	521,963	227,525
Sturgeon and spoonbill cat.....	2,727	2,883	10,988	3,539	29,350	42,295
Suckers.....	8,282	5,047	-----	178	14,811	7,296
Swordfish.....	269,200	140,012	57,274	60,299	116,985	75,124
Weakfish (including southern "sea trout").....	31,546	15,950	1,000	1,896	62,281	76,264
Whitefish.....	56,034	97,134	281,688	156,158	134,021	22,474
Whiting.....	191,855	58,057	62,591	108,634	228,004	3,123,250
Other fish.....	2,111,338	1,534,930	1,037,324	1,107,895	990,162	1,960,622
Total fish.....	7,675,850	5,901,222	5,211,778	4,664,929	9,848,122	19,868,805
FROZEN SHELLFISH						
Scallops.....	111,939	30,940	62,997	152,354	208,536	490,046
Shrimp.....	702,952	625,252	809,546	573,266	1,517,164	2,176,004
Spiny lobster tails.....	151,102	115,082	78,282	35,973	74,190	92,636
Squid.....	55,074	3,828	22,334	16,348	20,120	344,412
Other shellfish.....	151,927	218,581	138,917	220,871	104,265	228,335
Total shellfish.....	1,172,994	993,683	1,112,076	998,812	1,924,275	3,331,433
Total fish and shellfish.....	8,848,844	6,894,905	6,323,854	5,663,741	11,772,397	23,200,238

Production of frozen fishery products, 1940—Continued

BY SPECIES AND MONTHS—Continued

Species	Month ending the 15th of—						
	July	August	September	October	November	December	Total
FROZEN FISH							
	<i>Pounds</i>	<i>Pounds</i>	<i>Pounds</i>	<i>Pounds</i>	<i>Pounds</i>	<i>Pounds</i>	<i>Pounds</i>
Bluefish (all trade sizes).....	5,748	4,999	6,554	17,316	8,201	30,812	255,902
Butterfish (all trade sizes).....	105,655	77,407	154,132	288,293	179,811	31,800	1,158,963
Catfish.....	39,320	61,620	12,714	31,379	116,281	45,660	442,046
Cisco (Lake Erie).....	3,492	67,560	15,194	28,438	42,072	115,317	339,901
Cisco (lake herring) including bluefin, blackfin and chub.....	194,361	258,419	176,806	197,351	426,902	1,768,099	3,762,302
Cisco (tullibee, Canadian lakes).....	7,080	22,921	25,042	21,516	14,881	3,938	124,747
Cod, haddock, hake, and pollock (except fillets of cod, haddock, and pollock).....	207,412	217,559	318,476	244,659	339,363	194,312	2,449,688
Cod fillets.....	533,246	935,151	616,225	483,608	755,125	363,926	4,989,493
Croaker.....	411,700	414,061	33,784	222,120	94,014	7,700	2,349,145
Flounders.....	182,325	156,843	123,624	288,967	280,386	153,884	1,849,959
Haddock fillets.....	2,268,351	3,031,834	2,321,173	1,631,388	782,804	361,894	16,712,351
Halibut (all trade sizes).....	4,427,286	2,232,680	1,436,375	2,091,291	900,406	-----	18,273,717
Herring, sea (including alewives and bluebacks).....	78,340	44,533	156,812	245,028	374,865	593,046	3,773,029
Lake trout.....	54,139	51,370	48,235	234,211	454,497	367,777	1,587,248
Mackerel (except Spanish).....	4,663,325	1,730,878	2,047,370	920,774	1,205,545	29,522	12,864,970
Perch, yellow.....	13,630	112,158	62,453	107,906	227,356	43,216	834,957
Pike, blue and sauger.....	14,635	6,499	22,768	57,252	54,901	35,740	644,785
Pike, yellow or wall-eyed.....	19,356	24,749	7,197	26,325	74,330	25,405	479,011
Pike (including pickerel, jacks and yellowjack).....	30,514	18,428	15,765	160,349	105,300	73,844	662,119
Pollock fillets.....	156,215	256,444	386,256	648,340	2,239,126	3,736,851	9,659,519
Rosefish fillets.....	1,561,426	2,701,280	2,140,359	2,048,725	1,612,277	1,390,595	19,156,236
Sablefish (black cod).....	90,910	284,341	397,854	1,281,037	1,264,498	329,385	3,954,473
Salmon, king or chinook.....	722,395	558,699	1,008,659	1,075,069	646,426	136,311	4,870,037
Salmon, silver or coho.....	500,091	1,476,089	2,818,529	1,227,166	289,581	94,838	6,687,642
Salmon, fall and pink.....	19,962	124,595	317,423	125,456	1,404,999	105,852	2,250,147
Salmon, steelhead trout.....	63,914	70,725	39,693	217,516	49,704	68,338	706,063
Scup (porgies).....	22,756	175,677	13,056	8,441	543	2,361	302,177
Shad and shad roe.....	17,825	58,336	20,791	2,999	6,427	13,245	578,951
Smelts, eulachon, etc.....	33,847	49,728	51,328	86,376	151,217	127,461	1,994,479
Sturgeon and spoonbill cat.....	14,656	56,904	31,154	46,108	19,311	16,033	275,948
Suckers.....	29,464	55,552	27,305	28,939	61,230	71,430	309,534
Swordfish.....	160,223	252,866	322,396	116,139	72,251	138,325	1,781,094
Weakfish (including southern "sea trout").....	64,602	152,390	64,452	121,709	27,176	44,438	663,704
Whitefish.....	39,910	194,016	36,372	94,198	95,156	68,295	1,275,456
Whiting.....	4,810,255	4,690,463	4,393,101	2,066,467	1,395,592	481,859	21,610,128
Other fish.....	1,715,368	2,305,880	1,733,686	2,133,383	2,482,081	2,772,482	21,885,151
Total fish.....	23,283,734	22,933,654	21,403,113	18,626,239	18,254,635	13,843,991	171,516,072
FROZEN SHELLFISH							
Scallops.....	450,253	524,262	330,687	424,233	257,531	116,647	3,160,425
Shrimp.....	674,667	293,062	1,439,989	2,133,632	3,101,801	1,938,717	15,986,052
Spiny lobster tails.....	19,257	2,330	149,964	57,263	90,030	220,873	1,086,982
Squid.....	514,385	774,030	147,633	89,265	9,858	39,574	2,036,861
Other shellfish.....	121,627	89,113	235,658	227,047	476,225	155,825	2,368,391
Total shellfish.....	1,780,189	1,682,797	2,303,931	2,931,440	3,935,445	2,471,636	24,638,711
Total fish and shellfish.....	25,063,923	24,616,451	23,707,044	21,557,679	22,190,080	16,315,627	196,154,783

Production of frozen fishery products, 1940—Continued

BY GEOGRAPHICAL SECTIONS AND SPECIES¹

[Expressed in thousands of pounds; that is, 000 omitted]

Species	New England	Middle Atlantic	South Atlantic	North Central, East	North Central, West	South Central	Pacific	Total
FROZEN FISH								
Bluefish (all trade sizes)	16	188	27	23	3			257
Butterfish (all trade sizes)	247	853	47	12				1,159
Catfish	53	43	136	77	94	35	4	442
Cisco (Lake Erie)		299	2	39				340
Cisco (lake herring) including bluefin, blackfin, and chub	45	516		2,182	1,019			3,762
Cisco (tullibee, Canadian lakes)	25	45		36	19			125
Cod, haddock, hake, and pollock (except fillets of cod, haddock, and pollock)	1,503	117	40	73		438	279	2,450
Cod fillets	4,583	78		171	69	2	86	4,989
Croakers		572	1,694	38		45		2,349
Flounders	993	423	16	64		26	328	1,850
Haddock fillets	15,970	339	9	355	7	22	10	16,712
Halibut (all trade sizes)	103	169	29	675	12	33	17,253	18,274
Herring, sea (including alewives and bluebacks)	1,692	946	40	280		8	807	3,773
Lake trout	6	270	4	1,180	119	8		1,587
Mackerel (except Spanish)	9,994	2,520	150	159	1	4	37	12,865
Perch, yellow		14	14	773	2	31	1	835
Pike, blue and sauger		130		509		6		645
Pike, yellow or wall-eyed		84		373	22			479
Pike (including pickerel, jacks, and yellowjack)		14		629	19			662
Pollock fillets	9,440	5		211	4			9,660
Rosefish fillets	18,969	5		182				19,156
Sablefish (black cod)		33		39	2		3,880	3,954
Salmon, king or chinook	20	340		43	5		4,462	4,870
Salmon, silver or coho	23	254	15	144	31	6	6,215	6,688
Salmon, fall and pink	4	41	6	98	6		2,095	2,250
Salmon, steelhead trout		47	3	26			630	706
Scup (porgies)	43	155	104					302
Shad and shad roe	101	262	5	19	2	2	188	579
Smelts, eulachon, etc.	81	599	11	1,105	1		197	1,994
Sturgeon and spoonbill cat.		247		19	6	2	2	276
Suckers				62		248		310
Swordfish	376	990	20	2			393	1,781
Weakfish (including southern "sea trout")		298	366					664
Whitefish	65	600	1	533	58	9	9	1,275
Whiting	18,834	1,839	8	109	99	721		21,610
Other fish	1,464	4,107	3,067	2,931	710	3,150	6,457	21,886
Total fish	84,650	17,442	5,814	13,171	2,310	4,796	43,333	171,516
FROZEN SHELLFISH								
Scallops	1,536	808	38	336	2	4	437	3,161
Shrimp	89	1,871	650	2,103	1,005	8,080	2,188	15,986
Spiny lobster tails		972	9	75			31	1,087
Squid	1,005	910	6	42			74	2,037
Other shellfish	90	160	61	17	2	57	1,981	2,368
Total shellfish	2,720	4,721	764	2,573	1,009	8,141	4,711	24,639
Total fish and shellfish	87,370	22,163	6,578	15,744	3,319	12,937	48,044	196,155

¹ New England includes the six States of that section: Middle Atlantic—New York, New Jersey, and Pennsylvania; South Atlantic—Delaware, Maryland, District of Columbia, Virginia, West Virginia, North Carolina, South Carolina, Georgia, and Florida; North Central, East—Ohio, Indiana, Illinois, Michigan, and Wisconsin; North Central, West—Minnesota, Iowa, Missouri, North Dakota, South Dakota, Nebraska, and Kansas; South Central—Kentucky, Tennessee, Alabama, Mississippi, Louisiana, Texas, Oklahoma, and Arkansas; and Pacific—Washington, Oregon, California, and Alaska.

*Production of frozen fishery products, 1940—Continued*BY GEOGRAPHICAL SECTIONS AND MONTHS¹

[Expressed in thousands of pounds; that is, 000 omitted]

Month ended the 15th of—	New England	Middle Atlantic	South Atlantic	North Central, East	North Central, West	South Central	Pacific	Total
January.....	3, 729	1, 823	273	1, 254	425	631	714	8, 849
February.....	2, 881	1, 021	320	726	94	263	1, 590	6, 895
March.....	2, 435	723	133	913	78	451	1, 591	6, 324
April.....	1, 430	765	239	805	199	597	1, 629	5, 664
May.....	3, 317	1, 881	250	1, 148	174	998	4, 004	11, 772
June.....	10, 445	2, 299	1, 150	1, 900	475	1, 448	5, 483	23, 200
July.....	13, 680	2, 462	556	877	83	637	6, 769	25, 064
August.....	14, 276	1, 973	1, 078	1, 034	150	413	5, 692	24, 616
September.....	12, 576	1, 809	238	729	77	1, 377	6, 901	23, 707
October.....	8, 249	2, 722	441	1, 284	224	1, 895	6, 743	21, 558
November.....	8, 012	2, 581	839	2, 574	488	2, 427	5, 269	22, 190
December.....	6, 340	2, 104	1, 061	2, 500	852	1, 800	1, 659	16, 316
Total.....	87, 370	22, 163	6, 578	15, 744	3, 319	12, 937	48, 044	196, 155

¹ New England includes the 6 States of that section; Middle Atlantic—New York, New Jersey, and Pennsylvania; South Atlantic—Delaware, Maryland, District of Columbia, Virginia, West Virginia, North Carolina, South Carolina, Georgia, and Florida; North Central, East—Ohio, Indiana, Illinois, Michigan, and Wisconsin; North Central, West—Minnesota, Iowa, Missouri, North Dakota, South Dakota, Nebraska, and Kansas; South Central—Kentucky, Tennessee, Alabama, Mississippi, Louisiana, Texas, Oklahoma, and Arkansas; and Pacific—Washington, Oregon, California, and Alaska.

HOLDINGS

Monthly holdings of frozen fish and shellfish in 1940 averaged 68,111,000 pounds, an increase of 7 percent as compared with the previous year. The holdings during December, which amounted to 100,088,000 pounds, were the largest for any month during the year; while those for May, which amounted to 33,756,000 pounds were the smallest. During the last 4 months of the year an average of 94,486,700 pounds of fishery products were in storage, as compared with an average of 84,920,000 pounds for the same period in 1939.

Holdings of frozen fishery products, 1940

BY SPECIES AND MONTHS

Species	Month ending 15th of—					
	January	February	March	April	May	June
FROZEN FISH						
	<i>Pounds</i>	<i>Pounds</i>	<i>Pounds</i>	<i>Pounds</i>	<i>Pounds</i>	<i>Pounds</i>
Bluefish (all trade sizes).....	387, 927	310, 913	196, 055	126, 124	102, 421	78, 960
Butterfish (all trade sizes).....	1, 125, 892	845, 578	570, 246	433, 353	355, 948	521, 943
Catfish.....	285, 696	225, 325	117, 074	82, 525	106, 448	122, 280
Cisco (Lake Erie).....	300, 744	204, 122	108, 503	49, 863	40, 572	27, 872
Cisco (lake herring) including bluefin, blackfin, and chub.....	2, 921, 891	2, 035, 775	1, 585, 694	1, 231, 580	1, 137, 501	855, 203
Cisco (tullibee, Canadian lakes).....	137, 104	149, 066	94, 572	75, 253	52, 907	40, 001
Cod, haddock, hake, and pol- lock (except filets of cod, haddock, and pollock).....	847, 616	890, 070	631, 350	512, 881	577, 228	604, 885
Cod filets.....	2, 260, 776	1, 416, 246	723, 566	465, 651	551, 942	685, 776
Croaker.....	1, 442, 689	1, 161, 490	589, 016	106, 651	181, 880	1, 171, 441
Flounders.....	565, 689	547, 239	439, 380	379, 187	380, 605	524, 969
Haddock filets.....	4, 726, 878	3, 302, 845	1, 727, 652	1, 070, 566	1, 724, 151	2, 073, 134
Halibut (all trade sizes).....	5, 177, 234	2, 657, 548	1, 329, 662	1, 101, 615	3, 582, 942	7, 153, 840
Herring, sea (including ale- wives and bluebacks).....	1, 614, 564	1, 594, 344	1, 676, 127	1, 391, 306	1, 633, 239	2, 098, 132
Lake trout.....	1, 545, 986	1, 181, 048	790, 042	549, 581	383, 105	362, 166
Mackerel (except Spanish).....	5, 270, 154	4, 278, 188	2, 976, 209	1, 833, 168	1, 445, 144	2, 212, 915
Perch, yellow.....	692, 511	479, 263	293, 591	231, 877	150, 599	145, 057
Pike, blue and sauger.....	816, 887	577, 898	946, 198	869, 843	711, 685	901, 825
Pike, yellow or wall-eyed.....	394, 749	366, 887	122, 822	82, 898	135, 807	153, 062
Pike (including pickerel, jacks, and yellowjack).....	99, 183	93, 139	276, 791	211, 727	230, 807	236, 522
Pollock filets.....	5, 374, 072	4, 458, 194	2, 909, 552	1, 794, 389	873, 333	667, 469
Rosefish filets.....	3, 237, 088	3, 029, 015	2, 394, 051	1, 450, 436	515, 979	1, 593, 649
Sablefish (black cod).....	2, 190, 675	1, 826, 088	1, 553, 062	1, 304, 339	1, 144, 877	928, 010
Salmon, king or chinook.....	1, 589, 436	1, 210, 415	731, 478	488, 366	341, 510	696, 281
Salmon, silver or coho.....	2, 029, 482	1, 189, 314	764, 236	529, 488	392, 492	326, 493
Salmon, fall and pink.....	1, 918, 774	1, 624, 276	1, 135, 725	897, 788	684, 742	591, 302
Salmon, steelhead trout.....	385, 055	354, 777	344, 164	340, 554	330, 112	335, 518
Scup (porgies).....	425, 006	1, 051, 486	910, 709	769, 786	742, 151	774, 888
Shad and shad roe.....	780, 394	764, 883	588, 131	400, 166	593, 877	632, 693
Smelts, eulachon, etc.....	532, 761	603, 339	1, 087, 100	1, 232, 554	1, 567, 427	1, 777, 755
Sturgeon and spoonbill cat.....	1, 065, 018	996, 072	914, 375	819, 908	805, 601	807, 243
Suckers.....	178, 459	175, 036	88, 721	53, 006	52, 240	52, 593
Swordfish.....	421, 988	567, 413	481, 458	283, 531	337, 344	240, 052
Weakfish (including southern "sea trout").....	616, 887	551, 509	292, 653	163, 668	181, 730	243, 896
Whitefish.....	1, 586, 185	1, 798, 174	1, 902, 247	1, 701, 042	1, 522, 876	1, 238, 442
Whiting.....	7, 525, 744	5, 714, 492	3, 798, 036	2, 536, 497	1, 430, 092	2, 680, 316
Other fish.....	10, 878, 126	8, 418, 664	6, 500, 946	5, 279, 335	5, 009, 653	5, 882, 025
Total fish.....	71, 349, 320	56, 650, 125	41, 591, 194	30, 850, 502	30, 010, 967	39, 438, 608
FROZEN SHELLFISH						
Scallops.....	1, 229, 608	792, 541	366, 576	373, 499	447, 090	818, 044
Shrimp.....	3, 507, 218	3, 050, 505	1, 904, 054	2, 124, 898	2, 091, 295	3, 691, 830
Spiny lobster tails.....	335, 342	372, 045	324, 374	317, 324	364, 913	362, 117
Squid.....	1, 579, 527	1, 269, 112	923, 668	588, 177	297, 370	544, 001
Other shellfish.....	562, 215	487, 818	482, 282	580, 912	544, 554	618, 463
Total shellfish.....	7, 213, 910	5, 972, 021	4, 000, 954	3, 984, 810	3, 745, 222	6, 034, 455
Total fish and shellfish.....	78, 563, 230	62, 622, 146	45, 592, 148	34, 835, 312	33, 756, 189	45, 473, 063

Holdings of frozen fishery products, 1940—Continued

BY SPECIES AND MONTHS—Continued

Species	Month ending 15th of—					
	July	August	September	October	November	December
FROZEN FISH						
	<i>Pounds</i>	<i>Pounds</i>	<i>Pounds</i>	<i>Pounds</i>	<i>Pounds</i>	<i>Pounds</i>
Bluefish (all trade sizes)-----	71, 579	53, 270	52, 303	63, 531	57, 417	78, 687
Butterfish (all trade sizes)-----	533, 877	556, 868	681, 403	915, 077	970, 421	937, 331
Catfish-----	183, 603	201, 330	133, 835	177, 830	330, 282	356, 873
Cisco (Lake Erie)-----	25, 159	81, 491	85, 221	99, 853	134, 163	212, 483
Cisco (lake herring) including bluefin, blackfin, and chub-----	907, 141	1, 060, 896	985, 610	1, 052, 722	1, 273, 622	2, 764, 773
Cisco (tullibee, Canadian lakes)-----	36, 815	51, 517	99, 563	93, 880	84, 097	126, 136
Cod, haddock, hake, and pol- lock (except fillets of cod, haddock, and pollock)-----	827, 967	986, 591	1, 158, 922	1, 168, 733	1, 267, 681	1, 267, 180
Cod fillets-----	1, 104, 002	1, 594, 953	1, 721, 083	1, 814, 961	2, 681, 383	3, 001, 267
Croaker-----	1, 481, 790	1, 813, 914	1, 595, 806	1, 511, 528	1, 302, 721	1, 225, 012
Flounders-----	640, 064	669, 790	599, 242	851, 487	971, 024	996, 677
Haddock fillets-----	3, 692, 617	6, 268, 486	7, 933, 216	8, 394, 847	7, 716, 221	6, 399, 071
Halibut (all trade sizes)-----	11, 878, 084	13, 967, 237	14, 451, 360	15, 660, 523	12, 408, 607	10, 793, 646
Herring, sea (including ale- wives and bluebacks)-----	1, 874, 176	1, 635, 641	1, 496, 837	1, 491, 461	1, 455, 754	2, 152, 100
Lake trout-----	332, 413	370, 675	321, 258	540, 791	989, 375	1, 215, 628
Mackerel (except Spanish)-----	6, 783, 517	7, 917, 621	8, 938, 934	9, 032, 457	8, 981, 149	7, 879, 643
Perch, yellow-----	155, 829	261, 952	349, 619	468, 144	589, 870	577, 819
Pike, blue and sauger-----	684, 743	288, 039	104, 016	158, 142	165, 999	256, 891
Pike, yellow or wall-eyed-----	145, 326	196, 028	116, 045	127, 922	183, 966	195, 638
Pike (including pickerel, jacks, and yellowjack)-----	209, 539	174, 424	119, 272	186, 711	219, 657	206, 324
Pollock fillets-----	441, 150	342, 732	344, 505	414, 897	2, 130, 686	5, 211, 051
Rosefish fillets-----	1, 996, 753	2, 596, 588	2, 078, 806	1, 655, 293	1, 484, 812	1, 369, 946
Sablefish (black cod)-----	810, 124	964, 357	1, 388, 575	2, 259, 432	3, 089, 004	2, 965, 134
Salmon, king or chinook-----	1, 195, 964	1, 674, 280	2, 492, 735	3, 395, 816	3, 563, 513	3, 136, 957
Salmon, silver or coho-----	749, 505	2, 164, 986	4, 774, 797	5, 761, 978	5, 280, 951	4, 897, 071
Salmon, fall and pink-----	631, 030	809, 827	1, 155, 606	1, 330, 054	2, 495, 494	2, 630, 555
Salmon, steelhead trout-----	311, 969	346, 601	371, 749	522, 681	449, 221	409, 369
Scup (porgies)-----	786, 177	958, 550	929, 173	357, 913	295, 796	253, 673
Shad and shad roe-----	587, 148	593, 555	575, 973	544, 866	541, 872	512, 521
Smelts, eulachon, etc-----	1, 752, 803	1, 731, 668	1, 676, 354	1, 517, 233	1, 475, 205	1, 231, 686
Sturgeon and spoonbill cat-----	785, 416	823, 709	846, 137	898, 526	901, 335	808, 616
Suckers-----	78, 451	121, 467	138, 259	144, 342	184, 338	245, 007
Swordfish-----	345, 761	694, 202	1, 076, 629	965, 514	582, 730	560, 581
Weakfish (including southern "sea trout")-----	286, 061	420, 210	467, 293	448, 082	423, 532	306, 542
Whitefish-----	1, 255, 774	1, 700, 263	1, 779, 303	2, 226, 398	2, 372, 816	2, 305, 152
Whiting-----	6, 599, 914	9, 468, 709	10, 842, 749	10, 518, 633	10, 231, 423	9, 633, 484
Other fish-----	6, 200, 659	7, 595, 325	8, 486, 526	9, 659, 575	10, 537, 269	11, 741, 603
Total fish -----	56, 382, 900	71, 157, 762	80, 368, 774	86, 431, 833	87, 823, 406	88, 862, 127
FROZEN SHELLFISH						
Scallops-----	1, 163, 576	1, 579, 330	1, 634, 871	1, 876, 403	1, 847, 721	1, 744, 637
Shrimp-----	2, 776, 020	1, 510, 035	2, 084, 969	3, 635, 227	5, 801, 102	7, 421, 727
Spiny lobster tails-----	238, 071	121, 504	192, 522	126, 801	127, 040	284, 918
Squid-----	985, 138	1, 655, 194	1, 473, 722	1, 326, 226	1, 078, 759	914, 158
Other shellfish-----	516, 018	455, 417	566, 170	609, 959	852, 960	860, 743
Total shellfish -----	5, 678, 823	5, 321, 480	5, 952, 254	7, 574, 616	9, 707, 582	11, 226, 183
Total fish and shellfish -----	62, 061, 723	76, 479, 242	86, 321, 028	94, 006, 449	97, 530, 988	100, 088, 310

*Holdings of frozen fishery products, 1940—Continued*BY GEOGRAPHICAL SECTIONS AND MONTHS ¹

[Expressed in thousands of pounds; that is, 000 omitted]

Month ended the 15th of—	New England	Middle Atlantic	South Atlantic	North Central, East	North Central, West	South Central	Pacific ²	Total
January.....	24,788	15,734	4,718	14,032	4,724	2,014	12,553	78,563
February.....	19,783	13,518	4,039	11,110	3,599	1,421	9,152	62,622
March.....	13,371	9,883	2,468	9,408	2,803	930	6,729	45,592
April.....	8,400	7,630	1,364	8,006	1,918	763	6,754	34,835
May.....	5,786	7,991	1,447	7,540	1,748	857	8,387	33,755
June.....	9,870	9,028	2,519	8,660	1,692	1,497	12,207	45,473
July.....	19,668	10,609	2,864	8,550	1,804	1,352	17,215	62,062
August.....	26,937	11,990	3,779	9,276	2,156	964	21,377	76,479
September.....	28,931	12,681	3,912	10,867	2,544	2,067	25,319	86,321
October.....	28,485	14,828	3,992	12,112	3,292	3,021	28,276	94,006
November.....	29,472	15,631	4,592	13,908	3,742	4,063	26,123	97,531
December.....	28,463	17,748	5,275	16,140	4,539	4,893	23,030	100,088
Average.....	20,329	12,273	3,414	10,801	2,880	1,987	16,427	68,111

¹ New England includes the six States of that section; Middle Atlantic—New York, New Jersey, and Pennsylvania; South Atlantic—Delaware, Maryland, District of Columbia, Virginia, West Virginia, North Carolina, South Carolina, Georgia, and Florida; North Central, East—Ohio, Indiana, Illinois, Michigan, and Wisconsin; North Central, West—Minnesota, Iowa, Missouri, North Dakota, South Dakota, Nebraska, and Kansas; South Central—Kentucky, Tennessee, Alabama, Mississippi, Louisiana, Texas, Oklahoma, and Arkansas; and Pacific—Washington, Oregon, California, Colorado, and Alaska.

² Includes a small amount of fish held in Colorado in the mountain section.

COLD-STORAGE HOLDINGS OF CURED FISH

During 1940 monthly cold-storage holdings of cured herring averaged 29,601,664 pounds, while those of mild-cured salmon averaged 5,988,908 pounds. This was an increase of 28 percent in the holdings of cured herring and 8 percent in the holdings of mild-cured salmon, as compared with the previous year. Stocks of cured herring were the largest during June, when the holdings amounted to 24,779,204 pounds, while the largest holdings of mild-cured salmon occurred in October, when 7,174,700 pounds were in storage.

Holdings of cured fish, 1940, by species and months

Month ended the 15th of—	Cured herring	Mild-cured salmon	Total
	<i>Pounds</i>	<i>Pounds</i>	<i>Pounds</i>
January.....	14,531,616	6,787,346	21,318,962
February.....	16,335,382	6,400,636	22,736,018
March.....	15,066,679	5,599,254	20,665,933
April.....	15,752,654	4,922,551	20,675,205
May.....	22,816,544	4,736,050	27,552,594
June.....	24,779,204	5,051,158	29,830,362
July.....	24,677,718	5,615,460	30,293,178
August.....	24,534,406	6,992,147	31,526,553
September.....	23,431,975	7,116,633	30,548,608
October.....	23,159,571	7,174,700	30,334,271
November.....	21,607,626	6,689,343	28,296,969
December.....	20,526,595	4,781,617	25,308,212

FOREIGN FISHERY TRADE

The foreign trade in fishery products of the United States in 1940 amounted to \$59,615,592, of which \$41,830,342 represents the value of these products imported for consumption and \$17,785,250, the value of exports of domestic fishery products. Compared with the previous year this was a decrease of 1 percent in the total trade and 9 percent in the value of imports. Exports, however, showed an increase of 25 percent.

Imports consisted of 302,518,341 pounds of edible fishery products valued at \$29,073,554, and nonedible products valued at \$12,756,788. Fishery exports consisted of 144,803,652 pounds of edible products, valued at \$17,115,459, and nonedible products, valued at \$669,791.

Import duties levied on fishery products imported during 1940 totaled \$4,772,428, a decline of 21 percent as compared with the previous year.

Exports of domestic fishery products, 1940¹

Item	Quantity	Value
EDIBLE FISHERY PRODUCTS		
Fish, fresh or frozen:		
Salmon.....pounds.....	1,654,435	\$92,276
Other.....do.....	1,946,255	146,073
Total.....do.....	3,600,690	238,349
Fish, salted, pickled, or dry-cured:		
Salmon.....do.....	250,580	55,152
Cod, haddock, hake, pollock, cusk.....do.....	964,917	97,453
Other.....do.....	1,774,039	94,986
Total.....do.....	2,989,536	247,601
Fish, canned:		
Salmon.....do.....	56,211,836	10,115,496
Sardines (including pilchards).....do.....	68,659,053	4,804,925
Other (except shellfish).....do.....	5,011,472	432,084
Total.....do.....	129,882,361	15,352,505
Shellfish, not canned:		
Oysters, fresh, in the shell, shucked, frozen, or in ice.....do.....	1,580,016	223,602
Shrimp, fresh, frozen, or in ice.....do.....	458,790	59,505
Shrimp, dried.....do.....	1,280,869	219,963
Total.....do.....	3,319,675	503,070
Shellfish, canned:		
Shrimp.....do.....	2,496,761	362,746
Other.....do.....	822,763	134,869
Total.....do.....	3,319,524	497,615
Other fish and fish products, not elsewhere specified.....do.....	1,691,866	276,319
Total edible products.....do.....	144,803,652	17,115,459
NONEDIBLE FISHERY PRODUCTS		
Marine-animal oils.....do.....	4,148,951	402,849
Fish meal for feed.....tons.....	308	17,717
Furs, fur-seal, dressed or dyed.....number.....	1,537	33,745
Oyster shells.....tons.....	20,977	215,480
Total nonedible products.....do.....		669,791
Grand total.....do.....		17,785,250

¹ These statistics have been furnished by the Bureau of Foreign and Domestic Commerce, Department of Commerce.

Imports of fishery products entered for consumption, 1940¹

Item	Pounds	Value
EDIBLE FISHERY PRODUCTS		
Fish, fresh or frozen:		
Whole, or beheaded, or eviscerated, or both:		
Fresh-water fish:		
Whitefish	16,019,534	\$1,897,596
Yellow pike	8,169,287	799,138
Jacks or grass pike	2,637,346	123,356
Lake trout	3,655,800	467,746
Yellow perch	3,274,429	258,525
Tullibees	1,735,623	94,281
Lake herring and ciscoes	1,731,949	270,947
Chubs	1,449,780	219,546
Mullet (catostomus)	745,606	49,906
Saugers	12,683,495	697,460
Blue pike	1,486,633	136,702
Fresh-water fish, not elsewhere specified	1,048,530	52,007
Eels	567,083	32,723
Salmon	7,098,516	814,287
Cod, haddock, hake, pollock, and cusk:		
Without fins removed	2,766,984	116,479
With fins removed	93,825	4,885
Halibut:		
Fresh	3,226,777	373,260
Frozen	1,411,866	147,712
Mackerel:		
Fresh	263,906	13,050
Frozen	738,088	34,737
Swordfish:		
Fresh	1,896,008	269,849
Frozen	902,201	104,653
Sturgeon:		
Fresh	194,895	59,468
Frozen	286,204	102,751
Shad	256,231	13,252
Fish not specially provided for	5,896,948	299,016
Whether or not whole:		
Smelts	7,314,108	672,554
Tuna fish	7,189,743	411,625
Sea herring:		
Fresh	20,634,921	194,664
Frozen	1,910,131	59,565
Filleted, skinned, boned, sliced or divided, not specially provided for:		
Cod, haddock, hake, pollock, cusk, and rosefish	9,739,853	853,114
Other	6,046,130	851,075
Total	133,072,430	10,495,929
Fish salted, dried, smoked, pickled or preserved:		
Dried and unsalted:		
Cod, haddock, hake, pollock, and cusk	3,009	353
Other (including stockfish)	1,406,920	218,969
In oil or in oil and other substances:		
Sardines, valued over 9 cents per pound	² 12,894,900	2,078,685
Anchovies, valued over 9 cents per pound	² 2,989,948	976,051
Tuna fish	7,677,508	1,266,137
Antipasto, valued over 9 cents per pound	² 103,450	39,175
Other, valued over 9 cents per pound	² 411,951	93,866
Not in oil or in oil and other substances:		
In airtight containers, weighing, with contents, not over 15 pounds each:		
Anchovies	1,980,652	186,472
Salmon	215,477	31,895
Herring, smoked or kippered, or in tomato sauce, in containers weighing, with contents, more than one pound each	² 526,167	59,195
Sardines and other herring	2,433,650	276,433
Fish cakes, balls, and pudding	² 677,962	70,142
Other	588,660	104,814
Pickled or salted:		
Except in oil, etc., and in airtight containers, weighing, with contents, not over 15 pounds each:		
Salmon	864,305	160,419
Cod, haddock, hake, pollock, and cusk, neither skinned nor boned (except that vertebral column may be removed):		
Containing not more than 43 percent moisture by weight	7,766,836	445,223
Containing more than 43 percent moisture by weight	43,962,449	1,905,127
Cod, haddock, hake, pollock, and cusk, skinned or boned	2,821,867	215,834

See footnotes at end of table.

Imports of fishery products entered for consumption, 1940—Continued

Item	Pounds	Value
EDIBLE FISHERY PRODUCTS—continued		
Fish salted, dried, smoked, pickled or preserved—Continued.		
Pickled or salted—Continued.		
Except in oil—Continued.		
Herring:		
In bulk or in containers weighing, with contents, more than 15 pounds:		
In containers, containing each not more than 10 pounds of herring	3 551,894	\$49,673
In containers, containing each more than 10 pounds of herring:		
If known commercially as full herring	3 13,483,355	571,154
Valued 6 cents or more per pound	3 2,629,501	238,719
Beheaded or eviscerated, but not further advanced (except fins may be removed)	3 3,233,035	146,903
If known commercially as split herring	3 2,235,685	78,112
Other	3 5,658,318	253,027
Mackerel, in bulk or in containers weighing, with contents, more than 15 pounds each	3 3,187,080	162,025
Alewives in bulk or in containers weighing, with contents, more than 15 pounds each	3 5,000	278
Pickled or salted, not specially provided for:		
In bulk, or in containers weighing, with contents, more than 15 pounds each	3 887,549	73,923
In containers (not airtight) weighing, with contents, not more than 15 pounds each	70,188	9,830
Smoked or kippered:		
Not in oil, etc., and not in airtight containers, weighing, with contents, 15 pounds or less each:		
Salmon	4,703	\$2,089
Herring:		
Whole or beheaded:		
Hard, dry-smoked	405,912	14,914
Other	68,225	4,662
Boned, whether or not skinned	579,830	41,003
Eviscerated, split, skinned, or divided (not boned)	798,785	85,432
Cod, haddock, hake, pollock, and cusk:		
Whole or beheaded or eviscerated, or both	590,903	64,699
Filletted, skinned, boned, sliced, or divided	2,144,017	238,646
Smoked or kippered, not specially provided for	6,227	835
Fish paste and fish sauce	2 55,859	15,305
Prepared or preserved, not specially provided for:		
In containers weighing, with contents, not more than 15 pounds each:		
Cod, haddock, hake, pollock, and cusk, not specially provided for	384	137
Other	19,276	3,599
In bulk or in containers weighing, with net contents, more than 15 pounds each	122,403	13,930
Total	124,063,840	10,197,685
Caviar and other fish roe:		
Not boiled:		
Sturgeon	29,965	110,310
Fish roe, not specially provided for	40,202	11,658
Boiled, packed in airtight containers	128,141	16,882
Total	198,308	138,850
Shellfish:		
Crab meat, crab sauce, and crab paste	2 11,861,462	3,596,643
Oysters, oyster juice, or either in combination with other substances, in airtight containers	2 214,024	45,978
Razor clams, canned	2 1,710	272
Clams (except razor clams) and clams in combination with other substances (except clam chowder)	2 379,656	81,670
Clam chowder, clam juice, and clam juice in combination with other substances	2 510	38
Lobsters (including spiny lobsters and crawfish):		
Not canned	17,272,292	2,760,012
Canned	1,653,311	623,787
Turtles	871,904	50,141
Crabs, fresh or frozen (not crab meat)	25,053	6,235
Clams, quahogs, not in airtight containers:		
Fresh or frozen	2,504,961	49,606
Prepared or preserved, not specially provided for	90	41
Shrimps and prawns	5,024,325	384,638
Scallops:		
Fresh but not frozen	272,951	55,126
Other	344,316	58,502

See footnotes at end of table.

Imports of fishery products entered for consumption, 1940—Continued

Item	Pounds	Value
EDIBLE FISHERY PRODUCTS—continued		
Shellfish—Continued.		
Oysters, not in airtight containers:		
Fresh or frozen (except seed oysters).....	459,974	\$12,146
Other.....	1,264,101	48,382
Lobster paste and sauce.....	25,007	7,427
Pastes and sauces of shellfish, not specially provided for.....	91,256	7,498
Shellfish, not specially provided for.....	2,916,860	452,898
Total.....	45,183,763	8,241,090
Total edible fishery products.....	302,518,341	29,073,554
NONEDIBLE FISHERY PRODUCTS		
Marine-animal oils:		
	<i>Quantity</i>	
Cod-oil..... gallons.....	480,404	266,733
Cod liver oil..... do.....	2,114,392	2,521,239
Eulachon oil..... do.....	2,880	200
Herring oil..... do.....	136	45
Shark oil and shark-liver oil, including oil produced from sharks known as dogfish, not specially provided for..... gallons.....	65,135	38,218
Sod oil..... do.....	18,219	8,265
Whale oil:		
Sperm:		
Crude.....	2,958,178	1,051,156
Refined, or otherwise processed..... do.....	9,467	4,211
Whale oil, not specially provided for..... do.....	115	93
Marine-animal and fish oils, not specially provided for..... do.....	1,862	663
Total.....	5,650,788	3,890,823
Pearls and imitation pearls:		
Pearls and parts, not strung or set:		
Natural.....		224,101
Cultured or cultivated.....		355,595
Imitation pearls, half pearls and hollow or filled.....		29,131
Imitation pearl beads:		
Hollow or filled.....		204,880
Solid, except iridescent:		
Valued at not more than ¼ cent per inch..... inches.....	236,622,971	266,342
Valued at more than ¼ cent and not more than 1 cent per inch..... inches.....	25,274	93
Solid, not specially provided for:		
Valued at not more than ¼ cents per inch..... inches.....	99,240	54
Total.....		1,080,196
Shells and buttons of pearl or shell:		
Shells, unmanufactured:		
Green snail shell..... pounds.....	206,331	26,158
Mother-of-pearl..... do.....	8,151,994	1,128,844
Tortoise shell, not sawed, cut, flaked, polished, or otherwise manufactured or advanced in value from natural state..... pounds.....	1,706	4,781
Shells, not specially provided for..... do.....	6,086,019	22,800
Shells and mother-of-pearl, engraved, cut, ornamented or manufactured.....		62,563
Pearl or shell buttons:		
Fresh-water..... gross.....	83,680	19,575
Ocean..... do.....	338,194	102,577
Buttons (from Philippine Islands)..... do.....	691,103	235,968
Total.....		1,603,266
Sponges:		
Sheepswool..... pounds.....	165,073	373,712
Yellow and grass..... do.....	305,172	140,600
Velvet..... do.....	14,470	15,560
Hardhead or reef..... do.....	16,970	14,856
Other..... do.....	17,356	44,035
Total..... do.....	519,041	588,763
Agar-agar..... do.....	634,555	605,823
Ambergris..... do.....	82	7,667
Cod-liver oil cake and cod-liver oil cake meal..... do.....	398,544	5,592
Cuttle-fish bone..... do.....	112,356	12,805
Goldfish..... number.....	221,750	1,027
Aquarium fish, not elsewhere specified.....		1,396
Fish for other than human consumption.....		22,74
Fish sounds..... pounds.....	95,908	17,235
Fish scrap and fish meal, not fertilizer..... tons.....	39,233	1,909,531
Fish scrap and fish meal, fertilizer..... do.....	6,900	310,586

See footnotes at end of table.

Imports of fishery products entered for consumption, 1940—Continued

Item	Quantity	Value
NONEDIBLE FISHERY PRODUCTS—continued		
Isinglass.....pounds	102,232	\$51,547
Kelp.....do	978,475	2,187
Fish skins, raw or salted:		
Shark skins.....do	427,029	55,641
Other.....do	1,370,090	25,273
Seal skins, raw (not fur skins).....do	653,495	65,432
Spermaceti wax.....do	214,000	35,775
Whalebone, unmanufactured.....do		76
Whalebone, manufactures of.....do		1,314
Fish livers.....pounds	8,443,877	2,462,085
Total.....		5,593,740
Total, nonedible fishery products.....		12,756,788
Grand total.....		41,830,342

¹ These statistics have been furnished by the Bureau of Foreign and Domestic Commerce, Department of Commerce.

² Including weight of immediate container.

³ Net weight.

FISHERIES OF THE NEW ENGLAND STATES

(Area XXII)²

The yield of the commercial fisheries of the New England States (Maine, New Hampshire, Massachusetts, Rhode Island, and Connecticut) during 1940 amounted to 626,054,100 pounds valued at \$20,493,733 to the fishermen, representing a decrease of 6 percent in volume but an increase of 5 percent in value as compared with the catch in 1939. These fisheries gave employment to 18,546 fishermen, as compared with 18,712 in 1939.

There were 398 fishery wholesale and manufacturing establishments in the 5 States in 1940, as compared with 412 in 1939. In 1940 these establishments employed 12,650 persons, paid \$7,547,395 in salaries and wages, and produced manufactured products (canned, cured, packaged, and byproducts) valued at \$23,324,155. In 1939 the wholesale and manufacturing firms employed 12,884 persons, paid \$7,367,626 in salaries and wages, and produced manufactured products valued at \$26,032,888.

Fisheries of the New England States, 1940

SUMMARY OF CATCH

Product	Maine		New Hampshire		Massachusetts	
	Pounds	Value	Pounds	Value	Pounds	Value
Fish.....	72,911,100	\$926,834	149,000	\$9,682	486,643,290	\$12,646,202
Shellfish, etc.....	15,177,100	1,679,582	639,000	95,522	24,294,400	3,109,555
Total.....	88,088,200	2,606,416	788,000	105,204	510,937,600	15,755,757

² This number was given this area by the North American Council on Fishery Investigations. It should be explained that there are included under this area craft whose principal fishing ports are in the area but at times fish elsewhere. Notable examples are the groundfish fishery in Area XXI and the mackerel and southern trawl fisheries in Area XXIII. It should be observed that "persons engaged," "gear and craft employed," and "catch of the seed-oyster fishery" are not included in the statistics of the fishery for market oysters and other species, but are shown in a footnote to table showing the catch of the New England States, p. 50. For a clearer understanding of the statistics published in this section, the reader is referred to the section entitled "Statistical survey procedure," p. 220.

Fisheries of the New England States, 1940—Continued

SUMMARY OF CATCH—Continued

Product	Rhode Island		Connecticut		Total	
	Pounds	Value	Pounds	Value	Pounds	Value
Fish	6,701,300	\$227,451	9,687,900	\$386,308	576,092,500	\$14,196,477
Shellfish, etc.	5,358,800	738,701	4,492,300	673,896	49,961,600	6,297,256
Total	12,060,100	966,152	14,180,200	1,060,204	626,054,100	20,493,733

OPERATING UNITS: BY STATES

Item	Maine	New Hampshire	Massachusetts	Rhode Island	Connecticut	Total
Fishermen:	Number	Number	Number	Number	Number	Number
On vessels	382		4,090	202	300	4,974
On boats and shore:						
Regular	2,935	118	3,673	293	375	7,394
Casual	2,679	160	2,579	495	265	6,178
Total	5,996	278	10,342	990	940	18,516
Vessels:						
Steam			6	2	3	11
Net tonnage			928	20	384	1,332
Motor	104		401	55	71	631
Net tonnage	1,074		16,294	633	1,350	19,351
Total vessels	104		407	57	74	642
Total net tonnage	1,074		17,222	653	1,734	20,683
Boats:						
Motor	2,111	49	3,789	267	221	4,437
Other	1,759	60	1,495	385	315	4,014
Accessory boats	116		519	44	7	686
Apparatus:						
Purse seines:						
Mackerel	18		40			58
Length, yards	6,180		19,623			25,803
Other	11					11
Length, yards	5,450					5,450
Haul seines, common	25		8	12	64	109
Length, yards	2,460		3,029	2,270	8,765	16,524
Stop seines	60					60
Length, yards	56,710					56,710
Gill nets:						
Anchor	418		948		4	1,370
Square yards	136,219		324,540		2,985	463,744
Drift	204		3,042		61	3,397
Square yards	68,880		858,550		133,235	1,060,665
Stake	95				5	100
Square yards	7,098				510	7,608
Lines:						
Hand	3,198	500	451	166	37	4,352
Hooks	3,395	500	698	202	42	4,837
Trawl	14,115	120	23,437	44		37,716
Hooks	711,530	6,000	1,289,941	19,750		2,027,221
Troll			83	87		170
Hooks			83	87		170
Pound nets			129	22	13	164
Floating traps	18		45	22		85
Weirs	239	12	2			253
Fyke nets	10		10	8	55	83
Dip nets	64		367	9	94	534
Bag nets	75	27				102
Push nets			15			15
Otter trawls, fish	52		345	35	61	493
Yards at mouth	1,373		10,268	804	1,575	14,020
Box traps	13					13
Pots:						
Crab	300		5,425	730		6,455
Eel	133		665	355	954	2,107
Lobster	222,477	4,400	63,915	20,074	18,122	328,988
Periwinkle and cockle			64	477		541

Fisheries of the New England States, 1940—Continued

OPERATING UNITS: BY STATES—Continued

Item	Maine	New Hampshire	Massachusetts	Rhode Island	Connecticut	Total
Apparatus—Continued.	<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>Number</i>
Harpoons.....	40	-----	171	42	6	259
Spears.....	-----	-----	80	12	1	93
Dredges:						
Clam.....	26	-----	72	19	5	122
Yards at mouth.....	25	-----	49	24	7	105
Oyster.....	-----	-----	21	24	95	140
Yards at mouth.....	-----	-----	21	52	132	205
Scallop.....	125	-----	2,159	593	-----	2,877
Yards at mouth.....	133	-----	1,926	474	-----	2,533
Tongs:						
Oyster.....	-----	-----	73	8	24	105
Other.....	-----	-----	383	273	-----	656
Rakes:						
Oyster.....	-----	-----	-----	19	-----	19
Other.....	-----	-----	1,183	71	50	1,304
Forks.....	-----	-----	77	1	-----	78
Hoes.....	2,002	98	2,274	38	43	4,455

CATCH: BY STATES

Species	Maine		New Hampshire		Massachusetts		Rhode Island		Connecticut		Total	
	Pounds	Value	Pounds	Value	Pounds	Value	Pounds	Value	Pounds	Value	Pounds	Value
FISH												
Alewives	2,260,300	\$14,825			879,000	\$3,784	20,200	\$186	33,900	\$346	3,193,400	\$19,141
Anchovies					7,800	121	4,500	45			12,300	166
Bluefish					26,000	3,942	15,100	531			41,100	4,473
Bonito					26,500	906	97,800	4,588			124,300	5,494
Butterfish	68,100	1,675			1,822,800	69,524	486,200	18,359	98,600	5,136	2,475,700	94,694
Carp									36,100	2,297	36,200	2,297
Cod	3,188,300	71,477	20,000	\$600	78,559,300	2,405,333	464,700	20,998	56,600	4,337	82,288,900	2,502,745
Crevalle							200	3			200	3
Croaker					813,300	19,713					813,300	19,713
Cunner					53,300	1,482	6,400	122	2,200	96	61,900	1,700
Cusk	1,566,700	40,184	15,000	350	6,384,500	163,902			300	9	7,966,500	204,445
Eels:												
Common	76,800	4,551			105,100	11,083	57,300	5,226	34,700	3,620	273,900	24,480
Conger					101,500	1,037	3,800	106			105,300	1,143
Flounders:												
Gray sole	595,500	19,464			6,119,400	260,025					6,714,900	279,489
Lemon sole	23,500	567			2,727,400	217,406			17,500	1,020	2,768,400	218,993
Yellowtail and dab	814,300	12,504			27,770,400	571,792	1,032,400	26,660	3,973,100	117,274	33,590,200	728,230
Blackback	142,800	4,706			6,155,900	278,922	444,100	14,672	3,950,100	169,934	10,692,900	468,234
Fluke					2,847,400	173,113	258,300	25,013	148,700	16,276	3,254,400	214,402
Unclassified	142,400	3,864			408,100	14,704	300	30			550,800	18,598
Goosefish					12,500	132			8,800	286	21,300	418
Grayfish					574,200	19,413	1,300	13			575,500	19,426
Haddock	2,584,900	89,188	20,000	800	138,576,800	4,510,160			12,000	365	141,193,700	4,600,513
Hake	6,413,500	81,862	6,000	12	7,890,200	213,239	1,600	24	10,200	414	14,321,500	295,551
Halibut	34,500	4,855			1,094,500	142,531					1,129,000	147,386
Herring, sea	38,016,800	351,828			5,898,900	54,871	134,900	1,368	1,100	53	44,051,700	408,120
Hickory shad							24,500	395	1,300	41	25,800	436
John Dory					900	19					900	19
King whiting or "kingfish"					800	35	6,800	161	700	50	8,300	246
Lamprey									500	15	500	15
Launce					162,400	7,305					162,400	7,305
Mackerel	1,850,400	24,685			33,462,300	726,173	640,900	15,571	16,000	905	35,969,600	767,334
Menhaden					37,400	247	29,400	219	21,200	143	88,000	609
Minnows									76,700	11,028	76,700	11,028
Pollock	3,299,600	47,773			33,954,100	640,542	63,200	1,933	16,600	807	37,333,500	691,055
Rosefish	7,035,500	85,087			78,106,200	1,186,216					85,141,700	1,271,303
Salmon	2,000	593			100	25					2,100	618
Scup or porgy					8,958,300	221,882	1,398,700	22,521	485,700	19,753	10,842,700	264,156
Sea bass	100	7			3,176,900	134,475	104,700	9,476	20,700	992	3,302,400	144,950

Sea robin					20,200	203	115,200	1,140	6,800	239	142,200	1,582
Shad	64,700	702			94,700	1,461	54,300	2,003	359,600	18,048	573,300	22,214
Sharks	14,100	176			198,200	3,921	10,000	151	4,100	127	226,400	4,375
Skates					115,700	1,706	40,800	207	19,800	418	176,300	2,331
Skipper or billfish					200	9					200	9
Smelt	455,500	34,373	88,000	7,920	17,800	3,284			1,000	40	562,300	45,617
Squeteagues or "sea trout," gray					108,000	7,625	37,200	2,615	8,500	918	153,700	11,158
Striped bass					75,700	10,401	64,000	7,096	7,700	1,384	147,400	18,881
Sturgeon	300	23			6,600	501	800	90			7,700	614
Suckers	13,200	395							65,300	2,767	78,500	3,162
Swordfish	28,400	4,408			1,114,200	191,117	184,600	32,228	10,100	2,335	1,337,300	230,088
Tautog					44,800	2,081	102,500	4,147	9,500	632	156,800	6,860
Thimble-eyed mackerel							62,700	906			62,700	906
Tilefish					8,500	323					8,500	323
Tomcod	13,900	383			6,500	65					20,400	448
Tuna	122,600	3,035			977,900	35,053	19,800	1,117	600	24	1,120,900	39,229
White perch							4,100	176			4,100	176
Whiting	4,035,600	23,157			35,953,800	301,164	708,000	7,355	171,500	4,179	40,868,900	335,855
Wolfish	46,800	487			1,186,200	33,234					1,233,000	33,721
Total	72,911,100	926,834	149,000	9,682	486,643,200	12,646,202	6,701,300	227,451	9,687,900	386,308	576,092,500	14,196,477
SHELLFISH, ETC.												
Crabs:												
Hard ¹	690,200	12,906			1,602,200	37,067	118,200	3,663	4,300	290	2,414,900	53,926
Soft and peelers							500	150			500	150
Rock									4,000	200	4,000	200
Lobsters	7,643,000	1,291,228	235,800	44,802	2,438,500	467,177	372,600	86,494	475,400	110,865	11,165,300	2,000,566
Shrimp	6,700	303			2,700	170					9,400	473
Clams:												
Hard, public ²	5,000	425			2,411,100	336,251	1,537,000	197,308	59,000	9,734	4,012,100	543,718
Hard, private ²							441,000	40,003			441,000	40,003
Razor					342,400	11,085					342,400	11,085
Soft, public ³	6,278,500	266,571	403,200	50,720	8,412,100	811,563	75,000	6,105	28,200	4,580	15,197,000	1,139,539
Soft, private ³					186,000	20,575					186,000	20,575
Conchs	1,800	180			14,200	1,400	408,500	6,536			424,500	8,116
Mussels, sea					13,900	247	1,000	75	2,600	400	17,500	722
Oysters, market: ⁴												
Public, spring							34,300	5,473	66,300	9,123	100,600	14,596
Public, fall					10,700	2,271	35,000	5,583	57,100	7,168	102,800	15,022
Private, spring					90,900	41,630	982,200	194,654	3,182,300	412,902	4,255,400	649,186
Private, fall					282,000	126,263	698,100	136,596	551,300	109,561	1,531,400	372,420
Periwinkles and cockles	9,700	941			7,500	992	51,700	2,882	19,100	865	88,000	5,680
Scallops: ⁵												
Bay					870,300	327,770	222,500	46,801	38,600	7,805	1,131,400	382,376
Sea	199,100	34,302			5,191,700	765,543	100	5			5,390,900	799,850

See footnotes at end of table.

CATCH: BY STATES—Continued

Species	Maine		New Hampshire		Massachusetts		Rhode Island		Connecticut		Total	
	Pounds	Value	Pounds	Value	Pounds	Value	Pounds	Value	Pounds	Value	Pounds	Value
SHELLFISH, ETC.—continued												
Squid					1,367,100	\$15,030	381,000	\$6,372	3,600	\$201	1,751,700	\$21,603
Turtles, loggerhead							100	1			100	1
Sea urchins	102,500	\$785									102,500	785
Sea weeds:												
Irish moss					596,200	59,182					596,200	59,182
Other					137,000	685					137,000	685
Bloodworms and sandworms	240,600	71,941			317,900	84,654			500	202	559,000	156,797
Total	15,177,100	1,679,582	639,600	\$95,522	24,294,400	3,109,555	5,358,800	738,701	4,492,300	673,896	49,961,600	6,297,256
Grand total	88,088,200	2,606,416	788,000	105,204	510,937,600	15,755,757	12,060,160	966,152	14,180,200	1,660,204	626,054,100	20,493,733

¹ Statistics on hard crabs used in this table are based on weights of 4 pounds per dozen in Maine and Rhode Island; 3 pounds in Massachusetts; and 4.3 pounds in Connecticut.

² Statistics on hard clams are based on yields of 11 pounds of meats per standard bushel in Maine; 11.23 pounds in Massachusetts; 12.43 pounds in Rhode Island; and 12 pounds in Connecticut.

³ Statistics on soft clams are based on yields of 15 pounds of meats per standard bushel in Maine and New Hampshire; 14.32 pounds in Massachusetts; and 20 pounds in Rhode Island and Connecticut.

⁴ Statistics on oysters are based on yields of 6.5 pounds of meats per standard bushel in Massachusetts; 7 pounds in Rhode Island; and 7.7 pounds in Connecticut.

⁵ Statistics on both bay and sea scallops used in this table are based on yields of 6 pounds per bushel, except in the State of Connecticut where the yield of bay scallops was 6.2 pounds per bushel.

NOTE.—Data on the yield of shellfish meats per bushel are based on U. S. Standard Bushels of 2,150.4 cubic inches capacity.

Included in the catch of Massachusetts are 13,071,800 pounds of fishery products, valued at \$393,360 which were taken in the southern winter trawl fishery off southern New Jersey, Maryland, Virginia, and North Carolina. These products consisted principally of butterfish, croakers, flounders, scup (porgies), sea bass and whiting. The seed oyster fishery in the New England States was confined to the State of Connecticut where 238 fishermen, using 4 steam vessels, 21 motor vessels, 12 sail vessels, 11 motor boats, 35 other boats, 42 tongs, and 130 dredges took 21,261 bushels of seed oysters, valued at \$28,037, from public beds, and 344,464 bushels, valued at \$337,844, from private beds. Of the total number of persons fishing for seed oysters, 90 are duplicated among those fishing for market oysters or other species. Similarly, the following craft and gear were duplicated: 1 steam vessel, 13 motor vessels, 7 other boats, 7 tongs, and 41 dredges.

Fisheries of the New England States, 1940—Continued

SUPPLEMENTARY TABLE SHOWING THE PRODUCTION OF CERTAIN SHELLFISH IN NUMBER AND BUSHELS

Product	Maine		New Hampshire		Massachusetts		Rhode Island		Connecticut		Total	
	Quantity	Value	Quantity	Value	Quantity	Value	Quantity	Value	Quantity	Value	Quantity	Value
Crabs:												
Hard.....number	2,070,600	\$12,906			6,408,800	\$37,067	354,600	\$3,663	11,997	\$290	8,845,997	\$53,926
Soft and peelers.....do							2,000	150			2,000	150
Rock.....do									11,160	200	11,160	200
Clams:												
Hard, public.....bushels	455	425			214,702	336,251	123,652	197,308	4,917	9,734	343,726	543,718
Hard, private.....do							35,479	40,003			35,479	40,003
Razor.....do					10,737	11,085					10,737	11,085
Soft, public.....do	418,567	266,571	26,880	\$50,720	587,437	811,563	3,750	6,105	1,410	4,580	1,038,044	1,139,539
Soft, private.....do					12,989	20,575					12,989	20,575
Conchs.....do	100	180			850	1,400	20,425	6,536			21,375	8,116
Mussels, sea.....do					1,158	247	77	75	200	400	1,435	722
Oysters, market:												
Public, spring.....do							4,900	5,473	8,610	9,123	13,510	14,596
Public, fall.....do					1,646	2,271	5,000	5,583	7,416	7,168	14,062	15,022
Private, spring.....do					13,985	41,630	140,314	194,654	413,286	412,902	567,585	649,186
Private, fall.....do					43,385	126,263	99,728	136,596	71,597	109,561	214,710	372,420
Periwinkles and cockles.....do	539	941			417	992	2,872	2,882	955	865	4,783	5,680
Scallops:												
Bay.....do					145,050	327,770	37,083	46,801	6,226	7,805	188,359	382,376
Sea.....do	33,183	34,302			865,283	765,543	17	5			898,483	799,850

NOTE.—Bushels represent U. S. Standard Bushels of 2,150.4 cubic inches capacity.

Industries related to the fisheries of the New England States, 1940

OPERATING UNITS, SALARIES, AND WAGES

Item	Maine and New Hampshire	Massachusetts	Rhode Island	Connecticut	Total
Transporting:	<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>Number</i>
Persons engaged, on vessels	138	24	7	17	186
Vessels, motor	69	6	2	7	84
Net tonnage	784	192	15	198	1,189
Wholesale and manufacturing:					
Establishments	147	197	25	29	398
Persons engaged:					
Proprietors	263	133	20	23	439
Salaried employees	159	695	31	28	913
Wage earners:					
Average for season	6,489	4,193	218	398	11,298
Average for year	2,017	3,094	133	200	5,444
Paid to salaried employees	\$305,945	\$1,729,543	\$61,565	\$86,951	\$2,184,004
Paid to wage earners	\$1,302,032	\$3,801,343	\$128,283	\$131,733	\$5,363,391
Total salaries and wages	\$1,607,977	\$5,530,886	\$189,848	\$218,684	\$7,547,395
Fishermen manufacturing	775	1,904	238	32	2,949

PRODUCTS MANUFACTURED

Item	Maine ¹		Massachusetts		Rhode Island		Connecticut	
	Quantity	Value	Quantity	Value	Quantity	Value	Quantity	Value
By manufacturing establishments:								
Alwives, salted pounds	839,400	\$13,539	(?)	(?)			(?)	(?)
Butterfish, smoked do			1,500	\$163				
Cod:								
Fresh fillets do	35,200	2,966	5,088,699	667,243	(?)	(?)		
Fresh sticks do	243,000	14,700						
Frozen fillets do	(?)	(?)	7,005,635	772,623				
Salted:								
Green ¹ do	374,802	15,685						
Dry do	12,615	595	(?)	(?)				
Boneless and absolutely boneless pounds	(?)	(?)	6,861,715	1,006,386				
Smoked fillets do	33,480	4,372	418,100	46,484				
Oil:								
Cod gallons	1,256	417						
Cod-liver do	27,560	26,566	253,697	226,602				
Cusk:								
Fresh fillets pounds	55,210	5,059	908,830	99,140				
Fresh sticks do	501,400	45,706						
Frozen fillets do			364,180	35,402				
Smoked fillets do	(?)	(?)	393,859	31,263				
Flour-lers:								
Fresh fillets do	(?)	(?)	1,704,424	273,266				
Frozen fillets do	(?)	(?)	3,569,490	480,891				
Smoked do			1,800	290				
Haddock:								
Fresh fillets do	78,500	10,790	12,506,363	1,684,273	(?)	(?)		
Fresh sticks do	150,000	16,380						
Frozen fillets do	(?)	(?)	20,305,823	2,231,823				
Salted, dry do	12,615	595	(?)	(?)				
Smoked:								
Finnan haddie pounds	52,400	5,963	371,811	40,014	(?)	(?)		
Fillets do			122,925	18,233				
Hake:								
Fresh fillets do	135,200	12,108	696,840	70,613				
Fresh sticks do	547,000	49,480						
Frozen fillets do			269,485	23,485				
Smoked fillets do	39,400	1,227						
Salted, green ¹ do	902,015	30,271						
Halibut, frozen steaks pounds			69,223	15,867				
Herring, sea:								
Canned, "sardines" standard cases	1,117,748	3,736,394						
Salted:								
Brine salted pounds	385,200	11,714	(?)	(?)				
Pickled in vinegar pounds	1,245,425	45,549	(?)	(?)				

See footnotes at end of table.

Industries related to the fisheries of the New England States, 1940—Continued

PRODUCTS MANUFACTURED—Continued

Item	Maine		Massachusetts		Rhode Island		Connecticut	
	Quantity	Value	Quantity	Value	Quantity	Value	Quantity	Value
By manufacturing establishments—Continued.								
Herring, sea—Continued.								
Smoked:								
Bloaters:								
Hard pounds..	93,942	\$4,703	(?)	(?)				
Soft.....do	8,066	403						
Boneless...do	2,018,330	210,540						
Lengthwise do	68,517	3,862						
Medium scale								
pounds..	169,199	9,596	(?)	(?)				
Meal.....tons	1,522	48,886						
Oil.....gallons	141,423	33,354						
Mackerel:								
Fresh fillets..pounds			131,705	\$13,777				
Frozen fillets..do	(?)	(?)	832,594	68,737				
Salted:								
Dry fillets...do			1,660,000	108,300				
Split.....do			498,100	27,369				
Canned								
standard cases..			21,878	114,674				
Pollock:								
Fresh fillets..pounds	73,000	3,700	1,917,082	175,886				
Frozen fillets..do	(?)	(?)	10,624,945	704,982				
Salted green ² ...do	184,772	5,665						
Rosefish:								
Fresh fillets...do	(?)	(?)	615,029	71,845				
Frozen fillets...do	(?)	(?)	21,288,168	2,101,644				
Salmon, smoked...do			900	338			(?)	(?)
Shad, smoked...do			400	94				
Swordfish, frozen steaks								
pounds..			23,954	6,415				
Whitefish, smoked...do			45,000	18,131				
Whiting:								
Fresh fillets...do			145,680	10,453				
Frozen fillets...do			1,147,815	82,150				
Frozen, split, "butterfly".....pounds			778,770	54,354				
Frozen, pan-dressed								
pounds..			11,179,950	413,672				
Wolfish:								
Fresh fillets...do			33,177	5,098				
Frozen fillets...do			54,846	6,755				
Crab meat, packaged, fresh-cooked...pounds	52,172	25,915	243,222	81,846	(?)	(?)		
Lobster meat, packaged, fresh-cooked...pounds	16,300	19,300	261,200	295,882				
Clams, hard, fresh-shucked								
gallons..	(?)	(?)	(?)	(?)	\$2,400	\$3,413		
Clams, soft:								
Fresh-shucked...do	29,100	29,420	369,142	573,014	4,500	8,680		
Canned:								
Whole								
standard cases..	124,681	464,651						
Juice, bouillon and cocktail								
standard cases..	17,846	37,753						
Chowder...do	70,198	242,174	6,850	20,196				
Oysters, fresh-shucked								
gallons..					123,777	305,345	(?)	(?)
Unclassified products:								
Fillets, fresh and frozen								
pounds..	4,396,721	4,192,789	5,437,125	5,18,729	(6)	(6)		
Steaks, fresh and frozen								
pounds..			7,355,565	7,51,940				
Salted...do	8,179,346	8,19,967	9,3,969,070	9,295,430				
Smoked...do	10,195,740	10,13,134	11,495,721	11,46,308	(6)	(6)	(6)	(6)
Canned:								
Fish cakes, balls, etc.								
standard cases	22,741	114,349	91,836	655,665	(6)	(6)		
Cat and dog food								
standard cases	(6)	(6)	105,919	208,520	(6)	(6)		
Other...do	12,26,526	12,282,922	13,46,583	13,369,545	14,56,781	14,195,616		
Meal, miscellaneous								
tons..	13,1,806	13,80,100	16,14,814	16,691,910				
Oil, miscellaneous								
gallons..			17,152,167	17,347,566				
Glue...do			319,544	619,859				
Miscellaneous		18,430,315		19,130,493		20,24,552		21,347,307
Total.....		6,323,604		16,115,638		537,606		347,307

See footnotes at end of table.

Industries related to the fisheries of the New England States, 1940—Continued

PRODUCTS MANUFACTURED—Continued

Item	Maine		Massachusetts		Rhode Island		Connecticut	
	Quantity	Value	Quantity	Value	Quantity	Value	Quantity	Value
By fishermen:								
Alewives, smoked								
pounds	114,600	\$5,950	6,600	\$520	925	\$23		
Pollock, green salted ³								
pounds	4,100	110						
Crab meat, packaged, fresh-cooked			1,000	300				
pounds	2,000	700						
Lobster meat, packaged, fresh-cooked			2,250	2,512				
pounds								
Clams, hard, fresh-shucked					1,000	1,850		
gallons	¹¹ 31,346	¹² 27,928						
Clams, razor, fresh-shucked			29,450	11,952				
gallons								
Clams, soft:								
Pickled	75	150						
do.								
Fresh-shucked			6,777	9,166				
gallons								
Steamed meats								
pounds	117,074	11,603						
Oysters, fresh-shucked			1,200	2,640			900	\$1,800
gallons								
Scallops:								
Bay, fresh-shucked			93,517	341,758	27,249	69,283	3,725	5,215
gallons								
Sea, fresh-shucked			651,588	829,053				
gallons	22,753	34,302						
Total		80,743		1,197,901		71,156		7,015
Grand total		6,404,347		17,313,539		608,762		354,322

¹ A small quantity of manufactured products that were produced in New Hampshire have been included with those of Maine.

² This item has been included under "Unclassified products."

³ This item is usually an intermediate product, and although included in the total, may be shown in its final stage of processing in this or another State.

⁴ Includes fresh filets of flounder, rosefish, and swellfish; frozen filets of cod, flounder, haddock, mackerel, pollock and rosefish; fresh pollock sticks; and fresh pan-dressed whiting.

⁵ Includes fresh filets of red snapper, striped bass, and shad; fresh pan-dressed whiting; fresh split whiting; and frozen pan-dressed flounder.

⁶ This item has been included under "Miscellaneous."

⁷ Includes fresh steaks of halibut and frozen steaks of cod, cusk, pollock, salmon, and wolffish.

⁸ Includes salted boneless and absolutely boneless cod and hake; dry-salted cusk, hake, and pollock; and green-salted cusk and haddock.

⁹ Includes salted alewives, cusk, haddock, hake, and pollock; dry-salted cod, haddock, hake, and pollock; salted boneless and absolutely boneless cusk, haddock, and hake; brine-salted herring, mackerel, and mackerel filets; herring pickled in vinegar; and pickled groundfish tongues and sounds.

¹⁰ Includes smoked alewives, cod, cusk, herring, pollock, boneless cod, and cusk filets.

¹¹ Includes smoked alewife, mackerel, and salmon filets, haddock, halibut, and sea herring (hard bloaters and medium scaled); and kippered herring.

¹² Includes canned finnan haddie, fish chowder, fish flakes, hard crabs, and soft clam products.

¹³ Includes canned cod salad, finnan haddie, haddock chowder and flakes, pickled herring, salmon stew and salad, tuna fish flakes, salt mackerel, deep sea roe, hard clam chowder, shrimp salad, shellfish newburg, and rat poison bait.

¹⁴ Includes canned fish chowder, fish cakes and balls, hard clam chowder, and oyster soup.

¹⁵ Includes herring dry scrap; and groundfish, soft clam, and miscellaneous fish meals.

¹⁶ Includes rosefish chum; groundfish, soft clam, rosefish, and miscellaneous fish meals; and miscellaneous dry scrap.

¹⁷ Includes rosefish and blackfish oil; and halibut sablefish, shark, swordfish, tuna, and mixed liver oils.

¹⁸ Includes canned cat and dog food; marine-shell buttons; herring pomace; kelp; (sea weed) products; pearl essence; and the New Hampshire production of fresh-shucked hard clams.

¹⁹ Includes fresh-shucked hard clams and bay scallops; marine-shell buttons and novelties; oyster-shell poultry feed; and isinglass.

²⁰ Includes fresh filets of cod and haddock; finnan haddie; fresh-cooked and packaged crab meat; canned cat and dog food; marine-shell novelties; and oyster-shell poultry feed and lime.

²¹ Includes fresh-shucked oysters; smoked butterfish, carp, chub, cisco, eel (common), salmon, and spoon bill cat; and miscellaneous marine-shell products.

²² Includes a small quantity produced in New Hampshire.

NOTE.—The total value of manufactured products for the New England States was as follows: By manufacturing establishments \$23,324,155; and by fishermen \$1,356,815. Some of the above products may have been manufactured from products imported from another State or a foreign country; therefore they cannot be correlated directly with the catch within the State. Of the total number of persons engaged in the preparation of fishermen's manufactured products 2,937 have also been included as fishermen; and 5 of the persons shown on transporting craft have also been included as fishermen. This should be considered when computing the total number of persons in the fishery industries exclusive of duplication.

MAINE

Fisheries of Maine, 1940

OPERATING UNITS: BY GEAR

Item	Purse seines		Haul seines	Stop seines	Gill nets			Lines Hand
	Mack-erel	Other			Anchor	Drift	Stake	
Fishermen:	<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>Number</i>
On vessels.....	49	24	-----	94	54	3	-----	9
On boats and shore:								
Regular.....	28	23	33	144	9	29	16	138
Casual.....	-----	-----	29	3	31	6	13	530
Total.....	77	47	62	241	94	38	29	677
Vessels, motor.....	10	5	-----	23	9	2	-----	6
Net tonnage.....	83	47	-----	218	80	11	-----	39
Boats:								
Motor.....	8	6	17	37	9	20	-----	110
Other.....	12	10	22	89	19	4	18	2
Accessory boats.....	14	3	-----	59	-----	-----	-----	-----
Apparatus:								
Number.....	18	11	25	60	418	294	95	3,198
Length, yards.....	6,180	5,450	2,460	56,710	-----	-----	-----	-----
Square yards.....	-----	-----	-----	-----	136,219	68,880	7,098	-----
Hooks, baits, or snoods.....	-----	-----	-----	-----	-----	-----	-----	3,395

Item	Lines— Contd.	Floating traps	Weirs	Fyke nets	Dip nets	Bag nets	Otter trawls	Box traps
	Trawl							
Fishermen:	<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>Number</i>
On vessels.....	86	-----	-----	-----	-----	-----	-----	92
On boats and shore:								
Regular.....	261	31	281	3	11	20	46	-----
Casual.....	17	-----	74	3	74	36	4	19
Total.....	364	31	355	6	85	56	142	19
Vessels, motor.....	20	-----	-----	-----	-----	-----	23	-----
Net tonnage.....	208	-----	-----	-----	-----	-----	423	-----
Boats:								
Motor.....	202	14	57	-----	-----	-----	29	-----
Other.....	1	27	352	3	15	13	-----	10
Accessory boats.....	30	-----	-----	-----	-----	-----	-----	-----
Apparatus:								
Number.....	14,115	18	239	10	64	75	52	13
Yards at mouth.....	-----	-----	-----	-----	-----	-----	1,373	-----
Hooks, baits, or snoods.....	711,530	-----	-----	-----	-----	-----	-----	-----

Item	Pots			Har- poons	Dredges		Hoes	By hand, other than for oysters	Total, exclu- sive of dupli- cation
	Crab	Eel	Lobster		Clam	Scallop			
Fishermen:	<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>Number</i>
On vessels.....	-----	-----	36	22	-----	13	-----	-----	382
On boats and shore:									
Regular.....	4	5	2,168	48	26	86	623	1	2,935
Casual.....	-----	7	614	-----	-----	40	1,381	-----	2,679
Total.....	4	12	2,818	70	26	139	2,004	1	5,996
Vessels, motor.....	-----	-----	32	4	-----	3	-----	-----	104
Net tonnage.....	-----	-----	194	129	-----	35	-----	-----	1,074
Boats:									
Motor.....	4	-----	1,921	4	13	78	-----	-----	2,111
Other.....	-----	9	663	36	-----	-----	610	1	1,759
Accessory boats.....	-----	-----	-----	10	-----	-----	-----	-----	116
Apparatus:									
Number.....	300	133	222,477	40	26	125	2,002	-----	-----
Yards at mouth.....	-----	-----	-----	-----	25	133	-----	-----	-----

Fisheries of Maine, 1940—Continued

CATCH: BY GEAR

Species	Purse seines				Haul seines		Stop seines	
	Mackerel		Other		Pounds	Value	Pounds	Value
Alewives	Pounds 125,600	Value \$967	Pounds 25,100	Value \$184				
Butterfish	1,100	46						
Cod			200	2				
Herring, sea	24,000	230	1,059,400	10,080			15,836,600	\$158,820
Mackerel	1,309,900	17,488	273,100	3,362	1,200	\$24		
Pollock	346,300	2,870	149,800	819				
Shad	59,400	594						
Sharks	200	2						
Smelt					107,500	5,723		
Tomcod					200	3		
Tuna			25,200	206				
Total	1,866,500	22,197	1,532,800	14,653	108,900	5,750	15,836,600	158,820

Species	Gill nets					
	Anchor		Drift		Stake	
	Pounds	Value	Pounds	Value	Pounds	Value
Alewives			100	\$1	3,000	\$80
Butterfish			3,300	115		
Cod	632,800	\$19,102				
Cusk	10,300	216				
Flounders:						
Gray sole	100	4				
Yellowtail and dab	2,300	28				
Blackback	500	10				
Haddock	109,500	7,469				
Hake	469,800	8,634				
Mackerel			21,100	534		
Pollock	2,333,400	38,833				
Rosefish	9,800	167				
Sea bass			100	7		
Shad	1,700	46	100	3		
Sharks	8,200	63				
Smelt	90,600	6,202			12,600	798
Sturgeon	200	15				
Tuna			100	4		
Wolfish	300	3				
Total	3,669,500	80,792	24,800	664	15,600	878

Species	Lines				Floating traps	
	Hand		Trawl		Pounds	Value
	Pounds	Value	Pounds	Value		
Alewives					600	\$9
Butterfish					63,700	1,514
Cod	205,800	\$2,449	1,698,500	\$37,599		
Cusk	700	6	1,531,900	39,654		
Flounders:						
Gray sole			11,200	409		
Yellowtail and dab			19,700	293		
Blackback			300	7		
Unclassified			500	12		
Haddock	4,500	119	1,368,100	52,793		
Hake	12,800	89	4,769,700	62,208		
Halibut	2,500	369	31,400	4,418		
Herring, sea					129,600	1,476
Mackerel	200	5			209,400	2,758
Pollock	34,100	278	257,000	3,071	5,700	62
Rosefish			56,400	592		
Salmon					200	45
Shad					600	15
Sharks			2,300	44	3,100	64
Smelt	125,700	11,015				
Tuna	12,100	365			900	20
Whiting					2,100	8
Wolfish			16,300	168		
Total	398,400	14,695	9,763,300	201,268	415,900	5,971

Fisheries of Maine, 1940—Continued

CATCH: BY GEAR—Continued

Species	Weirs		Fyke nets		Dip nets	
	Pounds	Value	Pounds	Value	Pounds	Value
Alewives.....	219,700	\$922			1,886,200	\$12,662
Eels, common.....			200	\$10		
Herring, sea.....	20,926,400	180,814			40,800	408
Mackerel.....	35,400	513				
Salmon.....	1,800	548				
Shad.....	2,900	44				
Suckers.....			13,200	395		
Tomcod.....			400	10	5,300	130
Sea urchins.....					102,500	785
Total.....	21,186,200	182,841	13,800	415	2,034,800	13,985

Species	Bag nets		Otter trawls		Box traps	
	Pounds	Value	Pounds	Value	Pounds	Value
Cod.....			651,000	\$12,325		
Cusk.....			23,800	308		
Eels, common.....					38,200	\$2,149
Flounders:						
Gray sole.....			584,200	19,051		
Lemon sole.....			23,500	567		
Yellowtail and dab.....			792,300	12,183		
Blackback.....			142,000	4,689		
Unclassified.....			141,900	3,852		
Haddock.....			1,102,800	28,807		
Hake.....			1,161,200	10,931		
Halibut.....			600	68		
Mackerel.....			100	1		
Pollock.....			173,300	1,840		
Rosefish.....			6,969,300	84,328		
Sharks.....			300	3		
Smelt.....	119,100	\$10,635				
Sturgeon.....			100	8		
Tomcod.....	8,000	240				
Whiting.....			4,033,500	23,149		
Wolfish.....			30,200	316		
Shrimp.....			6,700	303		
Total.....	127,100	10,875	15,836,800	202,729	38,200	2,149

Species	Pots						Harpoons	
	Crab		Eel		Lobster			
	Pounds	Value	Pounds	Value	Pounds	Value	Pounds	Value
Eels, common.....			38,400	\$2,392			28,400	\$4,408
Swordfish.....							84,300	2,440
Tuna.....								
Crabs, hard.....	369,400	\$7,251			320,800	\$5,655		
Lobsters.....					7,643,000	1,291,228		
Total.....	369,400	7,251	38,400	2,392	7,963,800	1,296,883	112,700	6,848

Species	Dredges				Hoes		By hand	
	Clam		Scallop					
	Pounds	Value	Pounds	Value	Pounds	Value	Pounds	Value
Conchs.....							1,800	\$180
Clams:								
Hard, public.....	1,800	\$166			3,200	\$259		
Soft, public.....					6,278,500	266,571		
Periwinkles and cockles.....							9,700	941
Scallops, sea.....			199,100	\$34,302				
Bloodworms and sandworms.....					240,600	71,941		
Total.....	1,800	166	199,100	34,302	6,522,300	338,771	11,500	1,121

NEW HAMPSHIRE

Fisheries of New Hampshire, 1940

OPERATING UNITS: BY GEAR

Item	Lines		Weirs	Bag nets	Pots, lobster	Hoes	Total, ex- clusive of duplication
	Hand	Trawl					
	Number	Number	Number	Number	Number	Number	Number
Fishermen, on boats and shore:							
Regular.....		4			37	98	118
Casual.....	100		12	20	42		160
Total.....	100	4	12	20	79	98	278
Boats:							
Motor.....		4			49		49
Other.....			12		28	23	60
Apparatus:							
Number.....	500	120	12	27	4,400	98	
Hooks.....	500	6,000					

CATCH: BY GEAR

	Lines				Weirs	
	Hand		Trawl		Pounds	Value
	Pounds	Value	Pounds	Value		
Cod.....			20,000	\$600		
Cusk.....			15,000	350		
Haddock.....			20,000	800		
Hake.....			6,000	12		
Smelt.....	60,000	\$5,400			14,000	\$1,260
Total.....	60,000	5,400	61,000	1,762	14,000	1,260
	Bag nets		Pots		Hoes	
	Pounds	Value	Pounds	Value	Pounds	Value
Smelt.....	14,000	\$1,260				
Lobsters.....			235,800	\$44,802		
Clams, soft, public.....					403,200	\$50,720
Total.....	14,000	1,260	235,800	44,802	403,200	50,720

NOTE.—The commercial fisheries of New Hampshire are confined to Rockingham County.

MASSACHUSETTS

Fisheries of Massachusetts, 1940

OPERATING UNITS: BY GEAR

Item	Purse seines, mackerel	Haul seines, common	Gill nets		Lines			Pound nets
			Anchor	Drift	Hand	Trawl	Troll	
	Number	Number	Number	Number	Number	Number	Number	Number
Fishermen:								
On vessels.....	433	-----	128	108	18	634	-----	-----
On boats and shore:								
Regular.....	52	18	37	164	172	405	21	228
Casual.....	-----	8	2	7	187	17	60	3
Total	485	26	167	279	377	1,056	81	231
Vessels, motor	33	-----	16	15	4	46	-----	-----
Net tonnage	1,368	-----	308	274	42	1,739	-----	-----
Boats:								
Motor.....	7	6	16	64	174	186	50	71
Other.....	5	6	-----	18	60	46	-----	78
Accessory boats.....	61	-----	-----	3	-----	295	-----	-----
Apparatus:								
Number.....	40	8	948	3,042	451	23,437	83	129
Length, yards.....	19,623	3,029	-----	-----	-----	-----	-----	-----
Square yards.....	-----	-----	324,540	858,550	-----	-----	-----	-----
Hooks, baits, or snoods.....	-----	-----	-----	-----	698	1,289,941	83	-----

Item	Float- ing traps	Weirs	Fyke nets	Dip nets, common	Push nets	Otter trawls, fish	Pots	
							Crab	Eel
	Number	Number	Number	Number	Number	Number	Number	Number
Fishermen:								
On vessels.....	-----	-----	-----	-----	-----	2,833	-----	-----
On boats and shore:								
Regular.....	85	2	7	177	-----	116	82	20
Casual.....	11	5	6	242	15	3	10	11
Total	96	7	13	419	15	2,952	92	31
Vessels:								
Steam.....	-----	-----	-----	-----	-----	6	-----	-----
Net tonnage.....	-----	-----	-----	-----	-----	928	-----	-----
Motor.....	-----	-----	-----	-----	-----	301	-----	-----
Net tonnage.....	-----	-----	-----	-----	-----	13,047	-----	-----
Total vessels	-----	-----	-----	-----	-----	307	-----	-----
Total net tonnage	-----	-----	-----	-----	-----	13,975	-----	-----
Boats:								
Motor.....	33	-----	-----	35	-----	38	71	16
Other.....	65	1	5	223	15	-----	1	6
Apparatus:								
Number.....	45	2	10	367	15	345	5,425	665
Yards at mouth.....	-----	-----	-----	-----	-----	10,268	-----	-----

Fisheries of Massachusetts, 1940—Continued

OPERATING UNITS: BY GEAR—Continued

Item	Pots—Continued		Harpoons	Spears	Dredges		
	Lobster	Periwinkle and cockle			Clam	Oyster	Scallop
Fishermen:	<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>Number</i>
On vessels			436				382
On boats and shore:							
Regular	855	1	84	19	107	19	650
Casual	74	3	95	61	6	4	714
Total	929	4	615	80	113	23	1,746
Vessels, motor			53				46
Net tonnage			1,731				1,150
Boats:							
Motor	743	1	106		48	11	404
Other	14	1			4	5	543
Accessory boats			160				
Apparatus:							
Number	63,915	64	171	80	72	21	2,159
Yards at mouth					49	21	1,926
Item	Tongs		Rakes, other than for oysters	Forks	Hoes	By hand, other than for oysters	Total, exclusive of duplication
	Oyster	Other					
Fishermen:	<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>Number</i>
On vessels							4,090
On boats and shore:							
Regular	63	252	578	9	1,147	4	3,673
Casual	10	131	604	68	1,129	15	2,579
Total	73	383	1,182	77	2,276	19	10,342
Vessels:							
Steam							6
Net tonnage							928
Motor							401
Net tonnage							16,294
Total vessels							407
Total net tonnage							17,222
Boats:							
Motor	14	84	150		65		1,789
Other	47	144	376	5	210	1	1,495
Accessory boats							519
Apparatus, number	73	383	1,183	77	2,274		

Fisheries of Massachusetts, 1940—Continued

CATCH: BY GEAR

Species	Purse seines, mackerel		Haul seines		Gill nets			
					Anchor		Drift	
	Pounds	Value	Pounds	Value	Pounds	Value	Pounds	Value
Alewives	10,200	\$128	401,000	\$1,266				
Butterfish	13,700	589			4,400	\$217	14,800	\$604
Cod					2,567,900	92,542		
Cusk					1,400	20		
Flounders:								
Gray sole					16,000	795		
Yellowtail and dab					55,900	1,202		
Blackback					10,000	454		
Other					200	2		
Haddock	81,600	3,481			625,400	22,464		
Hake					353,000	7,757		
Halibut					200	35		
Herring, sea	800	6						
Launce			162,400	7,305				
Mackerel	23,303,200	505,675			100	3	806,000	35,907
Pollock	1,800	36			6,989,300	113,095		
Rosefish					2,500	40		
Shad	53,200	524	6,000	120	5,700	266	600	9
Sharks	1,800	91			12,800	475	1,400	38
Skates					400	6		
Sturgeon					600	40		
Tautog					100	4		
Tuna	276,900	11,820			6,200	293	500	29
Whiting					638,400	5,587	12,100	70
Wolfish					1,800	54		
Total	23,743,200	522,350	569,400	8,691	11,292,300	245,351	925,400	36,657

Species	Lines						Pound nets	
	Hand		Trawl		Troll		Pounds	Value
	Pounds	Value	Pounds	Value	Pounds	Value		
Alewives							14,700	\$126
Anchovies							7,600	118
Bluefish	20,600	\$3,488					1,800	131
Bonito							26,400	899
Butterfish			200	\$14			665,600	21,791
Cod	403,500	13,308	14,271,200	505,062			44,600	1,095
Cunner			5,300	1,482				
Cusk	900	13	5,797,900	149,676				
Fels, common	7,800	198	2,300	234			10,100	371
Flounders:								
Gray sole			900	61				
Lemon sole			100	7				
Yellowtail and dab	600	30	169,700	4,124				
Blackback			168,800	7,448			4,000	165
Fluke			100	3			6,400	387
Other			200	53				
Haddock	7,600	265	18,260,500	697,328				
Hake			4,513,800	135,966				
Halibut	100	11	755,500	98,523				
Herring, sea							1,938,600	12,711
Mackerel	400	15			15,000	\$322	7,458,600	150,122
Menhaden							36,600	224
Pollock	96,100	1,428	1,370,200	32,252	82,700	1,185	377,600	3,538
Rosefish			1,300	25				
Scup	11,600	790					151,900	2,812
Sea bass	800	64					5,300	656
Sea robin							700	8
Shad							13,500	249
Sharks			100	3			156,300	2,586
Skates			13,700	207			700	24
Skipper or billfish							200	9
Smelt	17,800	3,284						
Squeteague or "sea trout," gray							10,200	457
Striped bass	48,500	7,229					26,100	3,067
Sturgeon							600	43
Swordfish			1,300	242				
Tautog	32,000	1,623					12,600	451
Tuna	12,000	336			143,400	3,733	250,200	10,956
Whiting							9,688,000	76,795
Wolfish	100	2	238,900	6,716				
Squid							1,110,300	12,052
Total	654,400	32,084	45,620,000	1,639,426	241,100	5,240	22,019,200	301,844

Fisheries of Massachusetts, 1940—Continued

CATCH: BY GEAR—Continued

Species	Floating traps		Weirs		Fyke nets		Dip nets	
	Pounds	Value	Pounds	Value	Pounds	Value	Pounds	Value
Alewives	89,100	\$606						
Butterfish	458,200	18,250						
Cod	33,100	708						
Eels, common					10,800	\$1,291		
Herring, sea	412,300	2,723					3,545,000	39,396
Mackerel	1,734,300	31,595						
Pollock	93,300	879						
Salmon	100	25						
Shad	5,100	136						
Sharks	600	25						
Striped bass	1,100	105						
Sturgeon	100	6						
Tuna	19,800	787						
Whiting	1,378,500	7,758						
Scallops, bay							77,100	25,730
Squid	156,200	1,863						
Total	4,381,800	65,466	87,600	802	10,800	1,291	3,898,100	65,981

Species	Push nets		Otter trawls		Pots		Harpoons	
	Pounds	Value	Pounds	Value	Pounds	Value	Pounds	Value
Alewives			400	\$1				
Anchovies			200	3				
Bluefish			3,600	323				
Bonito			100	7				
Butterfish			665,900	28,059				
Cod			61,239,000	1,792,617				
Croaker			813,300	19,713				
Cusk			584,300	14,193				
Eels:								
Common			400	35	46,200	\$5,005		
Conger			101,500	1,037				
Flounders:								
Gray sole			6,102,500	259,169				
Lemon sole			2,726,900	217,370				
Yellowtail and dab			27,544,200	566,436				
Blackback			5,973,100	270,855				
Fluke			2,840,900	172,723				
Other			407,700	14,649				
Goosefish			12,500	132				
Grayfish			574,203	19,413				
Haddock			119,601,700	3,786,622				
Hake			3,023,400	69,516				
Halibut			338,700	43,962				
Herring, sea			2,200	35				
John Dory			900	19				
King whiting or "kingfish"			800	35				
Mackerel			54,700	2,534				
Menhaden			800	23				
Pollock			24,943,100	488,129				
Rosefish			78,102,400	1,186,151				
Scup			8,794,800	218,280				
Sea bass			3,170,800	133,755				
Sea robin			19,500	195				
Shad			10,600	157				
Sharks			25,200	703				
Skates			100,900	1,469				
Squeteague or "sea trout", gray			97,800	7,168				
Sturgeon			5,300	412				
Swordfish							1,112,900	\$190,875
Tautog			100	3				
Tilefish			8,500	323				
Tomcod			6,500	65				
Tuna							268,900	7,099
Whiting			24,336,800	210,954				
Wolffish			945,400	26,462				
Crabs, hard					1,602,200	37,067		
Lobsters			7,100	1,161	2,431,400	466,016		
Shrimp			2,700	170				
Conchs			14,200	1,400				
Periwinkles and cockles					7,500	992		
Scallops:								
Bay	6,000	\$2,600	100	8				
Sea			3,700	467				
Squid			100,600	1,115				
Total	6,000	2,600	373,210,000	9,558,028	4,087,300	509,080	1,381,800	197,974

Fisheries of Massachusetts, 1940—Continued

CATCH: BY GEAR—Continued

Species	Spears		Dredges		Tongs		Rakes	
	Pounds	Value	Pounds	Value	Pounds	Value	Pounds	Value
Eels, common	33,500	\$3,949						
Flounders, lemon sole			400	\$29				
Clams:								
Hard, public			323,000	33,316	389,600	\$71,430	1,687,400	\$225,437
Soft, public			10,800	1,021			100	11
Oysters, market:								
Public, fall					10,700	2,271		
Private, spring			25,200	9,330	65,700	32,300		
Private, fall			43,800	18,781	238,200	107,482		
Scallops:								
Bay			766,300	291,786	17,800	5,864	3,000	1,782
Sea			5,188,000	765,076				
Seaweed, Irish moss							583,700	53,370
Total	33,500	3,949	6,357,500	1,124,339	722,000	219,347	2,274,200	285,600

Species	Forks		Hoes		By hand	
	Pounds	Value	Pounds	Value	Pounds	Value
Clams:						
Hard, public			11,100	\$1,068		
Razor			342,400	11,085		
Soft, public	12,000	\$1,194	8,389,200	809,337		
Soft, private			186,000	20,575		
Mussels, sea			100	17	13,800	\$230
Seaweed:						
Irish moss					12,500	812
Other					137,000	685
Bloodworms	9,600	3,978	26,300	7,836	11,400	2,700
Sandworms	93,000	21,314	177,600	48,826		
Total	114,600	26,486	9,132,700	898,744	174,700	4,427

RHODE ISLAND

Fisheries of Rhode Island, 1940

OPERATING UNITS: BY GEAR

Item	Haul seines, common	Lines			Pound nets	Floating traps	Fyke nets, fish	Dip nets, common
		Hand	Trawl	Troll				
Fishermen:	Number	Number	Number	Number	Number	Number	Number	Number
On vessels		31	4	10		54		
On boats and shore:								
Regular	7	55	14	28	16	24	2	
Casual	50	10		2	2	5		9
Total	57	96	18	40	18	83	2	9
Vessels:								
Steam						1		
Net tonnage						7		
Motor		15	2	6		3		
Net tonnage		124	16	49		26		
Total vessels		15	2	6		4		
Total net tonnage		124	16	49		33		
Boats:								
Motor	10	38	7	23	3	3	1	
Other	2	12	2		15	18		9
Accessory boats		1				6		
Apparatus:								
Number	12	166	44	87	22	22	8	9
Length, yards	2,270							
Hooks, baits, or snoods		202	19,750	87				

Fisheries of Rhode Island, 1940—Continued

OPERATING UNITS: BY GEAR—Continued

Item	Otter trawls	Pots				Harpoons	Spears	Dredges	
		Crab	Eel	Loabster	Periwinkle and cockle			Clam	
Fishermen:	Number	Number	Number	Number	Number	Number	Number	Number	
On vessels.....	39			15		54			26
On boats and shore:									
Regular.....	23	7	2	94	5	38	11		8
Casual.....	4	2	8	71	3	2	1		6
Total.....	66	9	10	180	8	94	12		40
Vessels:									
Steam.....									1
Net tonnage.....									13
Motor.....	20			6		23			9
Net tonnage.....	163			42		189			78
Total vessels.....	20			6		23			10
Total net tonnage.....	163			42		189			91
Boats:									
Motor.....	15	7	3	107	6	19			7
Other.....			7	8	1		2		
Accessory boats.....						37			
Apparatus:									
Number.....	35	730	355	20,074	477	42	12		19
Yards at mouth.....	804								24
Item	Dredges—Con.		Tongs		Rakes		Forks	Hoes	Total, exclusive of duplication
	Oyster	Scallop	Oyster	Other	Oyster	Other			
Fishermen:	Number	Number	Number	Number	Number	Number	Number	Number	Number
On vessels.....	58								202
On boats and shore:									
Regular.....		87	7	74	12	38		27	293
Casual.....		136	1	199	7	33	1	11	495
Total.....	58	223	8	273	19	71	1	38	990
Vessels:									
Steam.....									2
Net tonnage.....									20
Motor.....	12								55
Net tonnage.....	281								633
Total vessels.....	12								57
Total net tonnage.....	281								653
Boats:									
Motor.....		127	6	29		2			267
Other.....			2	235	19	65	1	9	385
Accessory boats.....									44
Apparatus:									
Number.....	24	593	8	273	19	71	1	38	
Yards at mouth.....	52	474							

Fisheries of Rhode Island, 1940—Continued

CATCH: BY GEAR

Species	Haul seines		Lines					
			Hand		Trawl		Troll	
	Pounds	Value	Pounds	Value	Pounds	Value	Pounds	Value
Alewives	2,200	\$6						
Bonito			248,400	\$11,111	195,500	\$9,076	2,000	\$140
Cod			1,700	205				
Eels, common	1,800	216						
Flounders:								
Blackback	1,500	45	4,000	240				
Fluke					1,000	120		
Mackerel							185,000	4,817
Pollock			15,700	407			12,700	417
Sea bass			2,300	284				
Sharks					3,000	30		
Squeteagues or "sea trout,"								
gray	2,800	220			100	10		
Striped bass	22,900	3,136					2,800	429
Tautog			26,100	1,253				
Tuna							1,700	62
Total	28,400	3,403	298,200	13,500	199,600	9,236	207,000	6,085

Species	Pound nets		Floating traps		Fyke nets		Dip nets	
	Pounds	Value	Pounds	Value	Pounds	Value	Pounds	Value
Alewives	18,000	\$180						
Anchovies			4,500	\$45				
Bluefish			15,100	531				
Bonito			95,800	4,448				
Butterfish	33,600	1,404	452,600	16,955				
Cod			20,200	782				
Crevalle			200	3				
Cunner	5,800	116	600	6				
Eels:								
Common	30,500	2,442	500	50				
Conger	100	1	3,700	105				
Flounders:								
Yellowtail and dab			5,000	100				
Blackback	8,900	230	6,800	183				
Fluke	1,500	105	128,500	12,698				
Other					300	\$30		
Hake			1,600	24				
Herring, sea	103,500	1,035	27,900	279				
Hickory shad			24,500	395				
King whiting or "kingfish"	3,500	105	3,200	52				
Mackerel	31,200	780	424,700	9,974				
Menhaden			29,400	219				
Pollock			34,400	1,101				
Scup	4,300	126	1,394,400	22,395				
Sea bass	300	15	102,100	9,177				
Sea robin	400	4	112,400	1,112				
Shad	42,600	1,253	11,700	750				
Sharks			7,000	121				
Skates			40,800	207				
Squeteagues or "sea trout,"								
gray	9,400	680	24,900	1,705				
Striped bass			38,300	3,531				
Sturgeon			800	90				
Tautog	51,300	1,919	18,900	715	5,000	200		
Thimble-eyed mackerel			62,700	906				
Tuna			17,500	1,040				
White perch	4,100	176						
Whiting	13,900	139	618,900	6,189				
Crabs:								
Hard							1,200	\$150
Soft and peelers							500	150
Lobsters			100	25				
Scallops, bay							12,600	2,100
Squid	44,200	908	336,800	5,464				
Turtles, loggerhead			100	1				
Total	407,100	11,618	4,066,600	101,378	5,300	230	14,300	2,400

Fisheries of Rhode Island, 1940--Continued

CATCHES BY GEAR--Continued

Species	Otter trawls		Pots		Harpoons		Spears	
	Pounds	Value	Pounds	Value	Pounds	Value	Pounds	Value
Cod	000	\$29						
Eels, common			20,700	\$2,013			2,300	\$300
Flounders:								
Yellowtail and drib	1,027,300	26,540						
Blackback	422,900	13,974						
Fluke	127,300	12,090						
Grayfish	1,300	13						
Herring, sea	3,500	74						
King Whiting or "Kingfish"	400	4						
Pollock	400	8						
Sayrolan	2,400	24						
Swordfish					184,600	\$32,228		
Tautog	1,200	60			000	15		
Tuna								
Whiting	75,200	1,027						
Crabs, hard			117,000	3,013				
Soft			52,500	\$6,400				
Cape	408,500	6,536						
Periwinkle and cockle			51,700	2,882				
Scallops, bay	400	5						
Total	2,070,900	60,384	561,700	91,877	185,200	32,243	2,300	300

Species	Dredges		Longs		Rakes		Forks		Hoes	
	Pounds	Value	Pounds	Value	Pounds	Value	Pounds	Value	Pounds	Value
Clams:										
Hard, public	97,400	\$17,346	879,400	\$109,272	780,200	\$72,267				
Hard, private	115,200	9,740	28,800	26,773	10,000	3,750	4,000	\$250	71,000	\$5,855
Soft, public										
Muscle, sea	1,000	75								
Oysters, market:										
Public, spring			2,800	75	31,500	4,950				
Public, fall			2,800	75	32,200	5,000				
Private, spring	981,900	194,779	900	75						
Private, fall	697,700	136,721	400	75						
Scallops, bay	200,000	44,291								
Total	2,108,100	400,767	1,171,500	137,301	684,900	86,325	4,000	250	71,000	5,855

CONNECTICUT

Fisheries of Connecticut, 1940

OPERATING UNITS BY GEAR

Item	Haul seines, common	Gill nets			Lines, hand	Pound nets	Fyke nets
		Anchor	Drift	Stake			
Fishermen:	Number	Number	Number	Number	Number	Number	Number
On vessels					4	2	
On boats and shore:							
Regular	34	4	48	4	19	9	14
Casual	43	2	33		14	5	3
Total	77	6	81	4	37	16	17
Vessels, motor					2	1	
Net tonnage					18	11	
Boats:							
Motor	11	3	22	1	23	5	5
Other	54	1	49	3	5	3	11
Apparatus:							
Number	64	4	61	5	37	13	55
Length, yards	8,765						
Square yards		2,985	133,235	510			
Hooks, baits, or snoods					42		

Fisheries of Connecticut, 1940—Continued

OPERATING UNITS: BY GEAR—Continued

Item	Dip nets, common	Otter trawls, fish	Pots		Harpoons	Spears	Dredges, clam
			Eel	Lobster			
Fishermen:	<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>Number</i>
On vessels.....	2	88	2	21	13		7
On boats and shore:							
Regular.....	18	42	30	187	2	1	
Casual.....	76	1	40	62			
Total	96	131	72	270	15	1	7
Vessels, motor	1	35	1	11	5		3
Net tonnage.....	10	408	9	87	64		28
Boats:							
Motor.....	3	26	20	136	1	1	
Other.....	90		45	52			
Accessory boats.....					7		
Apparatus:							
Number.....	94	61	954	18,122	6	1	5
Yards at mouth.....		1,575					7

Item	Dredges, oyster	Tongs, oyster	Rakes, other than for oysters	Hoes	By hand		Total, exclusive of dupli- cation
					Oyster	Other	
Fishermen:	<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>Number</i>
On vessels.....	192						300
On boats and shore:							
Regular.....	31	17	24	24			375
Casual.....		7	26	19	3	9	265
Total	223	24	50	43	3	9	940
Vessels:							
Steam.....	3						3
Net tonnage.....	384						384
Motor.....	26						71
Net tonnage.....	858						1,350
Total vessels	29						74
Total net tonnage	1,242						1,734
Boats:							
Motor.....	15	4	17	9			221
Other.....	2	18	31	30	3	8	315
Accessory boats.....							7
Apparatus:							
Number.....	95	24	50	43			
Yards at mouth.....	132						

CATCH: BY GEAR

Species	Haul seines		Gill nets					
			Anchor		Drift		Stake	
	<i>Pounds</i>	<i>Value</i>	<i>Pounds</i>	<i>Value</i>	<i>Pounds</i>	<i>Value</i>	<i>Pounds</i>	<i>Value</i>
Alewives.....	31,900	\$326			2,000	\$20		
Butterfish.....			300	\$15				
Carp.....	17,800	869			4,500	380		
Eels, common.....	200	20			200	20		
Hickory shad.....			200	6				
Mackerel.....	1,800	141			700	61		
Menhaden.....			500	10				
Minnows.....	69,100	9,863						
Sea bass.....			100	14				
Sea robin.....			200	8				
Shad.....	24,500	939			314,800	16,182	10,100	\$425
Sharks.....			100	6				
Smelt.....	1,000	40						
Striped bass.....	500	87						
Suckers.....	25,800	1,190			10,200	260		
Total	172,600	13,475	1,400	59	332,400	16,923	10,100	425

Fisheries of Connecticut, 1940—Continued

CATCH: BY GEAR—Continued

Species	Lines, hand		Pound nets		Fyke nets		Dip nets	
	Pounds	Value	Pounds	Value	Pounds	Value	Pounds	Value
Butterfish.....			12, 500	\$639				
Carp.....					13, 900	\$1, 048		
Cod.....	7, 100	\$511	100	5				
Cunner.....	1, 000	52						
Cusk.....			300	9				
Eels, common.....			1, 100	130	3, 000	286		
Flounders:								
Blackback.....	2, 900	164	5, 700	398				
Fluke.....	3, 000	321	6, 000	460				
Hake.....	100	5						
Hickory shad.....			1, 100	35				
King whiting or "kingfish".....	500	30	200	20				
Mackerel.....	12, 100	640	1, 100	51				
Menhaden.....			4, 900	40				
Minnows.....					1, 000	150	100	\$15
Pollock.....	15, 900	780						
Scup.....	1, 300	93	100	6				
Sea bass.....	7, 700	668						
Sea robin.....	100	5						
Shad.....			9, 200	447	1, 000	55		
Sharks.....	1, 200	36	2, 100	68				
Skates.....	1, 300	21						
Squeteague or "sea trout," gray.....	300	25	7, 900	869				
Striped bass.....	900	122	6, 300	1, 175				
Suckers.....					27, 300	1, 237		
Tautog.....	4, 600	395	3, 100	157				
Tuna.....	600	24						
Whiting.....			2, 400	71				
Crabs, hard.....							1, 000	57
Scallops, bay.....							38, 600	7, 805
Squid.....			900	51				
T.....	60, 600	3, 892	65, 000	4, 631	46, 200	2, 776	39, 700	7, 877

Species	Otter trawls		Pots		Harpoons		Spears	
	Pounds	Value	Pounds	Value	Pounds	Value	Pounds	Value
Butterfish.....	85, 800	\$4, 482						
Cod.....	49, 400	3, 821						
Cunner.....	1, 200	44						
Eels, common.....	200	5	29, 700	\$3, 085			300	\$74
Flounders:								
Lemon sole.....	17, 500	1, 020						
Yellowtail and dab.....	3, 973, 100	117, 274						
Blackback.....	3, 941, 500	169, 372						
Fluke.....	139, 700	15, 495						
Goosefish.....	8, 800	286						
Haddock.....	12, 000	365						
Hake.....	10, 100	409						
Herring, sea.....	1, 100	53						
Lamprey.....			500	15				
Mackerel.....	300	12						
Menhaden.....			15, 800	93				
Minnows.....			6, 500	1, 000				
Pollock.....	700	27						
Scup.....	484, 300	19, 654						
Sea bass.....	12, 900	310						
Sea robin.....	6, 500	226						
Sharks.....	700	17						
Skates.....	18, 500	397						
Squeteague or "sea trout," gray.....	300	24						
Suckers.....			2, 000	80				
Swordfish.....					10, 100	\$2, 335		
Tautog.....	1, 800	80						
Whiting.....	169, 100	4, 108						
Crabs, rock.....			4, 000	200				
Lobsters.....	300	74	475, 100	110, 791				
Periwinkles and cockles.....	1, 600	59	17, 400	793				
Squid.....	2, 700	150						
Total.....	8, 940, 100	337, 764	551, 000	116, 057	10, 100	2, 335	300	74

Fisheries of Connecticut, 1940—Continued

CATCH: BY GEAR—Continued

Species	Dredges		Tongs		Rakes		Hoes		By hand	
	Pounds	Value	Pounds	Value	Pounds	Value	Pounds	Value	Pounds	Value
Crabs, rock									3,300	\$233
Clams:										
Hard, public	5,900	\$1,240			53,000	\$8,476			100	18
Soft, public							28,200	\$4,580		
Mussels, sea					2,600	400				
Oysters, market:										
Public, spring	48,800	6,595	17,400	\$2,514					100	14
Public, fall	49,000	6,102	8,100	1,066						
Private, spring	3,176,100	411,756	6,200	1,146						
Private, fall	544,500	108,269	6,800	1,292						
Periwinkles and cockles					100	13				
Sandworms							500	202		
Total	3,824,300	533,962	38,500	6,018	55,700	8,889	28,700	4,782	3,500	265

VESSEL FISHERIES AT CERTAIN NEW ENGLAND PORTS

Due to the importance of the ports of Boston and Gloucester, Mass., and Portland, Maine, as landing points for fishery products, detailed monthly statistics are collected for these landings which are published in the following section. These landings are included in the catch by States appearing elsewhere in this document, but are presented here for their value in detailed form.

ECONOMIC ASPECT

The landings of fishery products at certain New England ports (Boston, Gloucester, and Portland) by vessels of 5 net tons capacity or more during 1940 amounted to 372,432,421 pounds as landed, valued at \$10,765,192. This was a decrease of 4 percent in the quantity of receipts as compared with 1939, but an increase of 13 percent in value. Of the total landings, more than 99 percent consisted of fresh fish and less than 1 percent salted fish. The landings at Boston accounted for 252,827,552 pounds, valued at \$8,574,893, or 68 percent of the volume; the landings at Gloucester amounted to 96,176,205 pounds, valued at \$1,721,424, or 26 percent of the total; and the landings at Portland amounted to 23,428,664 pounds, valued at \$468,875, or 6 percent of the total. Three species accounted for 71 percent of the poundage landed by fishing vessels at the three ports during 1940. These were haddock, which accounted for 32 percent of the total; rosefish, 23 percent; and cod, 16 percent.

Landings by fishing vessels at certain New England ports, 1940

BOSTON: BY MONTHS

Species	January		February		March		April		May		June		July	
	Pounds	Value	Pounds	Value	Pounds	Value	Pounds	Value	Pounds	Value	Pounds	Value	Pounds	Value
Cod, fresh:														
Large	1,727,189	\$86,861	3,503,235	\$132,726	3,350,687	\$141,998	1,326,210	\$51,010	1,327,495	\$42,040	1,099,850	\$39,066	1,715,965	\$45,428
Market	1,897,777	73,086	1,443,305	57,804	1,658,900	72,100	681,350	26,675	767,055	25,215	930,395	31,416	3,806,130	75,519
Scrod	201,885	6,279	60,235	1,884	31,515	1,210	50,015	1,668	19,600	499	35,835	902	266,195	4,122
Cod, salted:														
Large					1,825	78	5,200	206	13,400	566	4,200	178		
Market											15,300	637	7,240	272
Haddock, fresh:														
Large	5,441,710	248,712	6,954,240	289,769	7,202,370	348,203	6,057,280	261,613	6,330,800	235,720	5,942,065	210,312	8,485,585	217,767
Scrod	2,999,701	103,981	3,232,320	113,870	2,435,002	102,345	2,093,888	79,661	2,177,906	70,655	2,386,883	73,718	5,623,800	112,102
Hake, fresh:														
Large	399,757	18,972	236,645	12,963	140,650	9,035	23,680	1,612	77,940	3,249	101,490	2,494	384,765	8,087
Small	4,400	333	4,800	211	6,450	309	2,770	150	9,410	330	36,200	1,042	34,600	821
Pollock, fresh:	2,453,464	52,947	1,555,300	46,889	1,073,640	37,027	246,480	9,622	202,065	5,501	164,706	4,330	388,675	8,548
Cusk, fresh:	318,025	10,559	376,400	12,691	260,125	10,108	208,760	7,242	316,680	7,527	130,140	3,467	247,990	4,688
Halibut, fresh:	29,258	6,399	79,437	13,727	102,514	18,536	99,056	14,423	120,905	14,619	68,377	9,024	146,289	17,203
Mackerel, fresh:									453,225	17,123	2,296,685	43,039	4,021,575	87,020
Flounders, fresh:														
Gray sole	669,365	27,719	1,265,995	34,797	567,610	25,595	163,540	9,511	223,415	10,009	253,819	10,351	153,750	7,218
Lemon sole	48,935	5,961	75,409	8,486	84,450	12,555	121,750	11,346	430,860	15,970	320,665	14,417	305,915	15,318
Yellowtail	285,234	7,862	157,995	4,796	261,940	7,879	340,635	8,854	227,581	3,610	270,005	5,283	150,125	4,134
Blackback	105,180	5,977	54,060	3,427	47,440	3,147	71,350	3,090	80,535	1,974	88,540	2,024	94,010	2,653
Dab	223,734	6,795	226,495	7,112	342,580	9,955	203,030	5,744	203,525	3,601	198,900	3,947	152,875	3,666
Other	46,355	1,604	171,830	3,773	56,220	1,672	8,955	268	4,900	189	4,620	120	3,960	139
Swordfish, fresh:											1,864	1,025	233,729	56,921
Rosefish, fresh:	3,576,661	58,952	2,488,770	31,774	1,478,596	23,777	547,948	9,035	437,011	7,396	418,770	6,791	1,996,385	28,257
Tuna, fresh:													324	19
Whiting, fresh:	5,260	164	29,378	819	135	10	6,540	221	80,300	2,537	1,963,328	29,868	1,811,450	22,697
Wolfish, fresh:	86,301	3,108	107,485	3,529	66,270	2,985	94,730	2,962	100,203	2,484	84,115	2,405	72,305	2,419
Scallops (meats):	31,324	7,554	9,768	1,856	8,569	2,399	29,349	7,431	148,599	20,118	199,628	26,301	54,193	7,262
Other, fresh:	4,055	111	10,300	170	27,550	509	15,125	245	18,295	563	3,928	105	26,575	636
Total, fresh:	20,555,570	733,936	22,043,402	783,073	19,203,213	831,444	12,392,441	512,383	13,764,615	490,879	17,000,808	521,447	30,177,165	732,644
Total, salted:					1,825	78	5,200	206	13,400	566	19,500	815	7,240	272
Grand total:	20,555,570	733,936	22,043,402	783,073	19,205,038	831,522	12,397,641	512,589	13,778,015	491,445	17,020,308	522,262	30,184,405	732,916
Landed in 1939, fresh:	19,678,779	611,925	22,374,718	651,388	26,712,002	832,875	32,029,281	712,485	26,881,987	549,845	21,839,125	564,183	25,446,713	594,234

Species	August		September		October		November		December		Total, 1940		Total, 1939	
	Pounds	Value	Pounds	Value	Pounds	Value	Pounds	Value	Pounds	Value	Pounds	Value	Pounds	Value
Cod, fresh														
Large	1,703,550	\$48,504	1,744,945	\$69,495	1,851,415	\$79,143	1,906,430	\$71,131	1,770,410	\$81,732	23,027,291	\$889,134	26,540,950	\$743,786
Market	2,608,420	69,893	2,607,925	66,229	3,526,990	118,942	4,291,845	130,865	2,482,050	93,294	26,164,512	846,028	43,215,035	993,654
Scrod	232,580	5,197	397,900	9,562	832,488	22,622	925,980	23,834	446,291	13,243	3,500,519	90,972	2,345,364	46,229
Cod, salted:														
Large	7,000	175									31,625	1,203	7,400	325
Market	3,500	122									26,040	1,031		
Haddock, fresh:														
Large	7,671,665	262,473	7,039,665	279,525	4,923,360	233,377	3,125,585	162,184	4,126,625	222,207	73,300,950	2,971,862	79,454,644	2,431,305
Scrod	4,729,077	137,382	5,201,137	174,329	2,433,056	88,026	1,696,942	62,319	1,856,341	72,696	36,866,053	1,191,084	49,768,619	1,101,179
Hake, fresh:														
Large	509,395	12,803	388,540	11,651	520,180	18,009	429,955	15,044	349,000	16,530	3,561,997	130,449	5,138,305	149,599
Small	77,800	2,267	77,300	2,787	119,300	4,857	80,000	3,063	14,900	710	467,930	16,880	1,002,600	27,380
Pollock, fresh	572,000	13,520	774,325	19,129	1,313,810	33,491	5,202,745	101,631	5,089,195	106,983	19,036,405	439,618	19,692,624	358,672
Cusk, fresh	460,290	10,375	535,575	14,738	825,045	24,042	696,575	18,987	572,385	19,169	4,947,990	143,593	3,847,088	85,047
Haiibut, fresh	80,177	10,933	55,088	8,418	53,555	8,924	23,165	4,839	15,590	3,393	873,411	130,438	1,232,160	156,955
Mackerel, fresh	3,296,883	61,493	2,053,741	53,748	2,027,250	43,878	391,580	18,404	98,065	6,473	14,639,004	331,178	8,723,075	252,667
Flounder, fresh:														
Gray sole	115,371	6,657	136,162	9,387	175,675	11,974	146,850	8,773	317,635	16,868	4,195,187	178,859	4,986,240	204,017
Lemon sole	211,387	15,967	160,623	13,396	123,485	12,734	73,867	8,528	102,760	11,395	2,060,106	146,073	2,744,815	172,288
Yellowtail	672,430	12,008	642,355	10,066	494,700	9,261	430,015	8,893	654,275	12,251	4,587,290	94,897	3,679,282	73,272
Blackback	122,135	4,730	229,630	8,862	113,925	4,969	119,760	4,874	113,280	5,257	1,240,245	50,984	1,326,451	46,509
Dab	216,615	5,946	146,660	4,778	177,385	6,110	106,515	3,256	220,900	5,319	2,119,214	66,229	2,293,657	46,887
Other	3,200	118	2,005	107	5,605	285			6,000	227	313,650	8,502	229,220	6,819
Swordfish, fresh	332,593	64,905	205,463	44,133							773,649	166,984	1,354,418	272,790
Rosefish, fresh	1,718,869	23,088	760,575	13,155	2,455,219	45,575	1,544,595	30,669	2,303,560	51,625	19,726,959	330,094	29,318,745	459,063
Tuna, fresh											324	19	827	36
Whiting, fresh	2,088,000	26,250	1,803,250	24,726	778,940	13,021	233,730	3,702	5,040	108	8,805,351	124,123	4,498,164	89,421
Wolfish, fresh	48,940	2,030	32,095	1,551	35,990	1,802	26,095	1,227	40,685	1,971	795,214	28,473	1,912,169	48,523
Scallops (meats)	49,945	7,673	106,112	17,767	212,707	37,641	95,884	17,258	161,478	29,382	1,107,556	182,642	1,782,383	232,509
Other, fresh	102,722	2,931	80,065	4,149	58,488	3,355	7,020	513	4,957	257	359,080	13,544	259,146	8,493
Total, fresh	27,624,044	807,143	24,643,506	862,038	23,058,568	822,038	21,555,133	699,494	20,751,422	776,090	252,769,887	8,572,659	295,345,981	8,007,100
Total, salted	10,500	297									57,665	2,234	7,400	325
Grand total	27,634,544	807,440	24,643,506	862,038	23,058,568	822,038	21,555,133	699,494	20,751,422	776,090	252,827,552	8,574,893	295,353,381	8,007,425
Landed in 1939:														
Fresh	27,842,544	718,056	23,678,349	675,520	22,730,287	733,614	23,599,022	714,296	22,533,174	648,679			295,345,981	8,007,100
Salted					7,400	325							7,400	325
Total	27,842,544	718,056	23,678,349	675,520	22,737,687	733,939	23,599,022	714,296	22,533,174	648,679			295,353,381	8,007,425

NOTE.—The weights of fresh and salted fish given in these statistics represent the fish as landed from the vessels, and the values are those received by the fishermen. Large cod are classified as those weighing over 10 pounds; market cod, 2½ to 10 pounds; and scrod cod, in 1 to 2½ pounds. Large haddock are those weighing over 2½ pounds; and scrod had-

dock, 1 to 2½ pounds. Large hake are those weighing over 6 pounds, and small hake under 6 pounds. Only landings by vessels having a capacity of 5 net tons or greater are included in this tabulation.

Landings by fishing vessels at certain New England ports, 1940—Continued

GLOUCESTER: BY MONTHS

Species	January		February		March		April		May		June		July	
	Pounds	Value	Pounds	Value	Pounds	Value	Pounds	Value	Pounds	Value	Pounds	Value	Pounds	Value
Cod, fresh:														
Large	99,095	\$4,924	156,375	\$6,280	265,630	\$12,811	478,471	\$21,885	749,390	\$25,784	509,375	\$18,023	352,085	\$8,619
Market	58,545	2,184	107,400	3,385	203,365	7,005	138,233	4,283	253,520	7,222	236,060	6,856	430,535	8,319
Scrod	3,805	89	4,270	110	14,490	398	9,815	255	6,840	95	4,300	93	11,140	172
Cod, salted:													13,200	528
Large													900	27
Market														
Haddock, fresh:													433,716	10,234
Large	35,745	1,518	136,110	5,091	88,807	3,928	521,500	20,944	693,100	21,662	505,930	14,772	441,540	7,656
Scrod	44,110	1,088	90,945	2,798	65,155	2,159	193,235	6,764	305,834	8,490	116,876	3,197		
Hake, fresh:													48,385	632
Large	20,805	896	1,720	65	1,825	85	3,009	142	8,245	289	22,165	525	105,095	1,305
Small	16,115	548	26,165	974	10,415	394	7,575	216	40,060	927	63,055	1,124	107,435	1,927
Pollock, fresh	154,555	2,625	32,945	948	5,210	185	17,970	563	219,091	4,409	511,456	9,396	25,680	395
Cusk, fresh	21,565	598	18,930	518	14,135	451	8,970	258	33,043	616	7,992	133	110	13
Halibut, fresh	97	19	51,627	7,078	910	98	1,126	161	3,673	427	188	13	542,685	6,751
Mackerel, fresh									4,675	188			830,375	9,474
Flounders, fresh:													115,450	3,865
Gray sole	82,425	5,722	257,245	9,654	252,875	10,614	184,450	9,299	191,270	7,099	116,595	3,788	860	30
Lemon sole			8,575	158	6,145	106	525	61	7,265	165	896	18	218,590	2,878
Yellowtail	42,780	1,248	7,145	212	12,305	375	72,450	1,157	84,543	896	25,350	291	144	18
Blackback	7,965	268	1,250	58	6,345	253	3,610	130	3,515	57	1,495	18	782	58,085
Dab	26,125	452	117,180	2,059	142,665	2,880	79,878	1,540	173,843	2,103	65,690	782	4,230	61
Other			4,400	88					575	14	2,735	43	2,327	459
Swordfish, fresh													7,750,560	96,006
Rosefish, fresh	2,573,135	41,708	2,807,373	39,970	2,566,740	36,761	1,129,430	17,666	4,547,983	72,746	8,657,078	117,984	154,971	8,062
Tuna, fresh:													1,493,543	16,305
Whiting, fresh							3,375	156	80,796	1,874	407,304	4,914	13,445	277
Wolfish, fresh	450	55	1,640	58	3,080	118	5,213	148	16,395	325	7,190	144	17,596	2,343
Scallops (meats)	1,155	259									13,563	1,763	72,495	745
Other, fresh	830	36	8	1	1,838	25	698	18	195	7	18,536	261		
Total, fresh	3,189,302	64,237	3,921,303	79,511	3,661,905	78,556	2,859,538	85,646	7,423,981	155,425	11,836,460	190,901	12,691,953	180,631
Total, salted													14,100	555
Grand total	3,189,302	64,237	3,921,303	79,511	3,661,905	78,556	2,859,538	85,646	7,423,981	155,425	11,836,460	190,901	12,706,053	181,186
Landed in 1939:														
Fresh	1,782,816	36,527	1,814,964	37,518	2,298,738	52,080	4,923,703	94,466	8,622,127	120,797	8,998,832	106,046	7,634,849	91,854
Salted					2,775	78	3,310	77	28,890	751	38,810	1,037	12,720	345
Total	1,782,816	36,527	1,814,964	37,518	2,301,513	52,158	4,927,013	94,543	8,651,017	121,548	9,037,642	107,083	7,647,569	92,199

Species	August		September		October		November		December		Total, 1940		Total, 1939	
	Pounds	Value	Pounds	Value	Pounds	Value	Pounds	Value	Pounds	Value	Pounds	Value	Pounds	Value
Cod, fresh:														
Large	209,794	\$5,232	160,740	\$6,042	191,405	\$8,641	129,965	\$5,878	200,875	\$9,673	3,503,199	\$133,798	3,385,667	\$93,733
Market	142,460	2,853	199,065	5,254	128,515	4,273	52,315	1,763	102,510	3,539	2,052,573	56,936	2,236,145	46,240
Scrod	4,100	80	1,750	26	1,560	27	1,180	24	6,570	143	69,860	1,612	67,120	1,617
Cod, salted:														
Large					480	14					13,680	542	87,790	2,527
Market					90	2					990	29	15,625	289
Haddock, fresh:														
Large	239,457	6,418	354,235	12,368	240,131	10,491	77,525	3,640	57,032	2,864	3,383,288	113,930	2,294,102	61,155
Scrod	89,850	1,932	219,360	6,370	55,590	1,254	53,450	1,428	92,600	2,804	1,768,565	45,940	1,521,868	29,182
Hake, fresh:														
Large	61,395	970	58,855	1,364	145,515	4,198	78,295	2,172	15,695	672	465,909	12,010	866,885	17,143
Small	64,755	813	34,470	562	30,295	629	38,800	848	21,175	584	457,975	8,834	1,381,047	18,431
Hake, salted, large:														
Pollock, fresh	204,410	5,753	867,690	17,038	1,631,490	34,665	4,071,185	68,225	2,761,639	49,061	10,675,046	195,695	8,595,403	142,227
Pollock, salted													340	4
Cusk, fresh:	30,225	443	21,240	337	24,155	468	17,140	351	11,850	274	234,975	4,872	208,465	3,018
Hallibut, fresh:	1,979	186	658	88	262	36	272	54	63	11	61,302	8,225	11,539	1,139
Mackerel, fresh:	2,205,720	25,424	592,122	11,780	1,123,965	17,162	124,062	2,767	33,865	2,394	5,457,459	75,940	3,312,628	61,038
Mackerel, salted:													250	9
Flounders, fresh:														
Gray sole	96,720	3,772	74,145	2,906	161,155	4,748	70,615	3,200	82,944	3,397	1,625,895	68,064	1,476,489	47,512
Lemon sole	250	5					300	4			24,875	574	29,690	1,165
Yellowtail	185,380	2,612	472,690	6,527	506,705	7,310	126,125	1,866	626,205	8,350	2,350,268	33,722	641,795	8,430
Blackback	2,935	79	1,635	47	7,465	204	3,705	107	10,145	343	53,240	1,628	42,365	1,130
Dab	57,475	791	36,630	548	36,865	554	30,075	474	33,695	530	858,256	13,447	723,622	7,985
Other	11,670	172	4,450	307	4,320	260	500	9			32,850	954	42,761	810
Swordfish, fresh:	11,895	2,098	3,798	722							17,988	3,279	12,354	1,762
Rosefish, fresh:	6,817,814	84,895	6,667,811	90,889	5,561,747	69,717	3,855,925	68,355	4,371,451	88,679	57,397,047	845,376	44,423,854	568,398
Tuna, fresh:	69,064	3,859	4,045	247	750	48					229,430	12,213	249,718	10,610
Whiting, fresh:	2,063,069	22,356	857,223	9,728	53,874	738	1,855	27			4,961,069	56,098	3,799,032	36,095
Wolfish, fresh:	6,150	147	2,920	83	2,165	59	1,350	41	1,125	40	61,123	1,495	57,010	1,035
Scallops (meats):	44,240	6,364	25,725	4,217	29,979	5,141	10,491	1,863	7,096	1,240	149,854	23,190	152,728	19,563
Other, fresh:	78,775	729	48,565	523	8,932	361	5,393	276	3,184	139	239,449	3,121	129,130	2,566
Total, fresh:	12,700,221	177,980	10,709,790	178,873	9,886,840	190,984	8,750,523	163,372	8,439,719	174,737	96,161,535	1,720,853	75,661,473	1,201,883
Total, salted:					570	16					14,670	571	104,915	2,538
Grand total:	12,700,221	177,980	10,709,790	178,873	9,887,410	191,000	8,750,523	163,372	8,439,719	174,737	96,176,205	1,721,424	75,766,388	1,204,721
Landed in 1939:														
Fresh	9,687,295	121,103	7,047,243	110,546	7,461,699	150,914	7,958,582	147,840	7,430,714	132,192			75,661,473	1,201,883
Salted	11,905	306	7,105	214									104,915	2,838
Total:	9,699,200	121,409	7,054,348	110,760	7,461,699	150,914	7,958,582	147,840	7,430,714	132,192			75,766,388	1,204,721

Landings by fishing vessels at certain New England ports, 1940—Continued

PORTLAND: BY MONTHS

Species	January		February		March		April		May		June		July	
	Pounds	Value	Pounds	Value	Pounds	Value	Pounds	Value	Pounds	Value	Pounds	Value	Pounds	Value
Cod, fresh:														
Large	81,215	\$3,831	92,168	\$3,319	105,149	\$4,670	164,622	\$5,905	128,369	\$3,357	94,232	\$2,409	354,247	\$3,746
Market	33,820	1,385	37,500	1,491	65,706	2,278	54,272	1,904	55,397	1,184	39,609	789	148,782	3,517
Scrod	2,008	50	385	7	2,324	51	3,800	54	5,012	51	1,065	7	835	4
Haddock, fresh:														
Large	290,830	14,024	253,522	10,944	294,085	17,895	262,006	12,388	156,330	4,838	35,457	1,168	2,175,297	37,202
Scrod	156,548	4,368	97,280	3,068	72,560	2,759	54,441	1,282	37,330	785	11,947	192	246,600	5,835
Hake, fresh:														
Large	8,845	348	4,645	195	4,080	124	368	17	13,395	433	73,143	1,326	28,155	377
Small	59,544	2,624	33,779	1,746	24,833	1,459	4,155	150	56,181	1,771	108,245	1,978	152,704	2,150
Pollock, fresh	107,788	2,086	30,594	841	53,154	1,386	90,766	2,642	103,873	1,517	386,092	4,337	87,468	1,103
Cusk, fresh	102,025	4,328	171,800	6,637	122,031	4,830	31,426	1,216	60,432	1,591	71,094	1,602	45,857	961
Halibut, fresh	2,492	558	3,899	713	7,107	975	1,959	303	4,469	385			141	23
Flounders, fresh:														
Gray sole	13,609	611	34,355	1,534	8,495	392	21,317	1,087	16,249	589	12,645	372	36,712	1,069
Lemon sole	110	4	2,445	87	2,290	156	3,025	52	1,900	33	875	9	3,620	62
Yellowtail	1,950	58							5,000	25			550	6
Blackback	150	4	260	8	275	14	1,240	27			210	2	675	7
Dab	12,542	305	30,920	564	37,150	568	24,220	344	11,625	123	14,308	136	25,120	283
Other	430	11	4,880	118	435	7	1,765	62	980	10	1,065	11	1,665	33
Rosefish, fresh	373,735	5,195	378,405	3,933	418,345	4,184	336,310	3,561	517,873	6,597	823,998	8,620	742,320	7,461
Whiting, fresh							115		29,108	456	106,094	999	915,224	7,535
Wolfish, fresh	2,437	68	2,475	70	2,410	76	4,485	51	11,933	119	4,390	45	2,145	29
Other, fresh	503	21	285	13	2,615	140	229	13	310	20	438	19	15,338	156
Total, fresh	1,250,581	39,879	1,179,597	35,288	1,223,044	41,964	1,060,521	31,058	1,215,766	23,874	1,784,907	24,021	4,983,455	76,559
Landed in 1939, fresh	726,089	21,837	612,196	16,441	746,340	20,849	927,939	19,399	3,663,224	70,627	1,752,884	23,878	2,262,643	28,115

Species	August		September		October		November		December		Total, 1940		Total, 1939	
	Pounds	Value	Pounds	Value	Pounds	Value	Pounds	Value	Pounds	Value	Pounds	Value	Pounds	Value
Cod, fresh:														
Large	1,071,949	\$26,415	186,033	\$5,195	47,349	\$1,540	44,968	\$1,777	65,213	\$2,611	2,435,514	\$69,775	1,306,036	\$34,877
Market	13,082	291	24,281	558	33,300	953	30,368	836	20,255	647	556,372	15,833	1,249,929	24,247
Scrod	1,110	12	4,228	48	2,700	32	4,300	73	1,480	22	29,247	411	21,739	240
Haddock, fresh:														
Large	670,445	17,964	19,932	934	76,741	3,662	63,540	3,464	94,241	4,927	4,392,426	129,410	1,904,642	63,920
Scrod	13,750	305	3,455	66	18,930	443	14,370	350	18,610	557	745,821	20,010	290,890	6,048

Landing by fishing vessels at certain New England ports, 1940—Continued

SUMMARY: BY PORTS—Continued

Species	Boston		Gloucester		Portland		Total, 1940		Total, 1939	
	Pounds	Value	Pounds	Value	Pounds	Value	Pounds	Value	Pounds	Value
Mackerel, salted									250	\$9
Flounders, fresh:										
Gray sole	4,195,187	\$178,859	1,625,895	\$68,064	203,082	\$8,344	6,024,164	\$255,267	6,761,617	263,171
Lemon sole	2,060,106	146,073	24,875	574	20,500	538	2,105,481	147,185	2,799,498	173,946
Yellowtail	4,587,290	94,897	2,380,268	33,722	15,045	235	6,982,603	128,854	4,368,203	82,198
Blackback	1,240,245	50,984	53,240	1,628	4,960	103	1,298,445	52,715	1,373,322	47,812
Dab	2,419,214	66,229	858,256	13,447	209,041	3,198	3,486,511	82,874	3,250,400	58,149
Other	313,650	8,502	32,880	954	17,155	349	363,685	9,405	338,521	8,917
Swordfish, fresh	773,649	166,984	17,988	3,279			791,637	170,261	1,388,833	279,050
Rosefish, fresh	19,726,959	330,094	57,397,047	845,376	6,657,216	81,072	83,781,222	1,256,542	77,613,167	1,090,551
Tuna, fresh	324	19	229,430	12,213	20,130	206	249,884	12,438	267,338	11,991
Whiting, fresh	8,805,351	124,123	4,961,069	56,098	2,970,067	26,013	16,736,487	206,234	10,787,658	146,101
Wolfish, fresh	795,214	28,473	61,123	1,495	34,049	528	890,386	30,496	1,989,399	49,862
Scallops (meats)	1,107,556	182,642	149,854	23,190			1,257,410	205,832	1,948,488	253,998
Other, fresh	359,080	13,544	239,449	3,121	255,535	3,056	1,854,064	19,721	669,483	14,034
Total, fresh	252,769,887	8,572,659	96,161,535	1,720,853	23,428,664	468,875	372,360,086	10,762,387	388,709,030	9,544,313
Total, salted	57,665	2,234	14,670	571			72,335	2,805	112,315	3,163
Grand total	252,827,552	8,574,893	96,176,205	1,721,424	23,428,664	468,875	372,432,421	10,765,192	388,821,345	9,547,476
Landed in 1939:										
Fresh	295,345,981	8,007,100	75,661,473	1,201,883	17,701,576	335,330			388,709,030	9,544,313
Salted	7,400	325	104,915	2,838					112,315	3,163
Total	295,353,381	8,007,425	75,766,388	1,204,721	17,701,576	335,330			388,821,345	9,547,476

¹ The items under "Other, fresh," include alewives, 161,200 pounds, value \$1,280; butterfish, 229,089 pounds, value \$11,005; eels, 300 pounds, value \$7; goosfish, 2,700 pounds, value \$34; herring, 217,600 pounds, value \$2,387; scup or porgy, 1,850 pounds, value \$24; sea bass, 1,975 pounds, value \$99; shad, 104,163 pounds, value \$1,283; sharks, 32,734 pounds, value \$1,403; skates, 86,270 pounds, value \$1,303; sturgeon, 4,888 pounds, value \$409; miscellaneous fish, 7,155 pounds, value \$235; and shrimp, 4,140 pounds, value \$252.

NOTE.—The above table does not include landings of miscellaneous fishery products

which during 1940 consisted of 4,940,799 pounds of livers valued at \$147,521, and 447,205 pounds of spawn valued at \$12,489.

Salted fish from the treaty coasts of Newfoundland, Magdalen Islands, and Labrador, which are received in this country as products of American fisheries, are not included in the tables showing the landings at the above ports. Receipts from the treaty coasts in 1940 consisted of salted cod, 2,318,000 pounds, value \$69,540, and salted herring, 716,000 pounds, value \$17,900.

BIOLOGICAL ASPECT

In 1940 the fishing fleet landing fares at Boston, Gloucester, and Portland, and operating on the fishing banks of the North Atlantic, numbered 373 steam, motor, and sail vessels of 5 net tons capacity or greater, as measured by the United States Customs Service. The catch of edible fish landed at the three ports amounted to 372,498,605 pounds when the salted fish had been converted to the basis of fresh, gutted, or round weight as usually landed. This, however, does not represent the entire catch of these vessels, for landings also were made at ports in New England other than these three, at New York City, and at more southern ports in connection with the southern winter trawl and mackerel fisheries.

Otter trawls on all sizes of vessels accounted for 300,604,050 pounds, or 81 percent of the total landings. Line trawls were next in importance, accounting for 35,503,590 pounds, or 10 percent of the total.

The catch taken off New England and landed at the three ports amounted to 270,071,923 pounds, or nearly 73 percent of the total; and that off Nova Scotia, 101,335,444 pounds, or 27 percent. Receipts from the coast of Newfoundland that amounted to 223,283 pounds, and those from off the Middle Atlantic States which totalled 867,955 pounds, accounted for less than 1 percent of the total.

Landings by fishing vessels at certain New England ports, 1940

BY GEAR AND AREA

Gear and area	Vessels fishing	Trips	Days absent	Cod			Haddock		Hake		Pollock	Cusk	Halibut
				Large	Market	Scrod	Large	Scrod	Large	Small			
<i>Line trawls:</i>	<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>Pounds</i>	<i>Pounds</i>	<i>Pounds</i>	<i>Pounds</i>	<i>Pounds</i>	<i>Pounds</i>	<i>Pounds</i>	<i>Pounds</i>	<i>Pounds</i>	<i>Pounds</i>
Grand Bank	1	5	14	9, 120					1, 150				10, 969
St. Pierre Bank	2	1.5	45	150					1, 350			150	66, 414
Northeast Cape Breton	1	6	8	20, 100	18, 540		3, 000	774			360		292
Misaine Bank	1	1.0	5	6, 785	5, 550		32, 620	3, 070			500	110	280, 169
Banquereau	3	10.6	204	154, 895	98, 198		7, 400	3, 800	75, 730	890	650	33, 510	280, 169
Canso Bank	1	1.0	20	1, 800					700				45, 393
Middle Ground	1	1.6	16	70, 000	22, 100	2, 460	45, 600	6, 670			1, 270		3, 721
Northeast Sable Island Bank	8	8.8	110	275, 440	126, 193	2, 960	223, 000	55, 790	7, 747	252	6, 650	28, 800	14, 658
Southeast Sable Island Bank	1	1.0	9	2, 125	5, 825	570	11, 245	4, 045		6, 600	390	9, 700	17
Horseshoe Ground	5	2.7	27	35, 294	16, 910	300	70, 934	14, 120	14, 430		3, 705	17, 055	1, 541
Southwest Sable Island Bank	4	1.0	12	13, 662	9, 780	300	25, 062	3, 870	1, 430		1, 365	4, 030	811
Eastern Nova Scotia	1	2	2	3, 420	2, 660	880	3, 280	1, 270		240	200	740	52
Emerald Bank	8	6.0	78	96, 610	97, 690	2, 200	101, 150	26, 535	17, 115		5, 223	32, 870	8, 296
Eastern Browns (including La Have Bank)	18	62.9	658	566, 418	435, 542	46, 132	1, 959, 992	420, 297	199, 617	4, 870	84, 143	377, 484	39, 746
Southern Nova Scotia	19	41.0	474	213, 140	224, 175	37, 130	871, 836	170, 990	72, 650	28, 125	34, 455	363, 814	26, 134
Western Browns	20	72.5	724	724, 973	706, 881	59, 793	2, 392, 463	512, 540	84, 082	5, 875	117, 963	265, 842	105, 614
Western Nova Scotia	17	37.2	402	266, 791	285, 600	12, 370	753, 747	209, 858	128, 017	3, 043	81, 367	76, 733	15, 769
Nova Scotia, unclassified	2	3.0	38	25, 700	22, 100	4, 000	66, 800	14, 960	6, 510		2, 960	12, 600	1, 905
Eastern Maine	4	7.0	34	3, 610	1, 240		12, 650	2, 295	280	4, 960	585	38, 335	255
Central Maine	8	63.0	314	70, 420	23, 469	200	162, 080	18, 765	525, 775	205, 575	12, 990	278, 475	2, 554
Western Maine	18	238.1	277	80, 980	24, 606	3, 810	143, 567	21, 702	40, 920	94, 692	13, 183	170, 270	1, 198
Eastern Massachusetts	37	897.0	1, 150	370, 198	373, 715	113, 305	1, 169, 912	206, 390	48, 005	394, 900	167, 810	417, 790	2, 389
Inner Grounds	22	119.6	714	399, 892	175, 070	11, 715	1, 518, 800	226, 045	685, 089	25, 155	140, 720	1, 542, 348	6, 196
Western Side South Channel	13	49.8	310	524, 417	191, 080	14, 220	1, 227, 475	144, 806	148, 438		122, 870	204, 123	5, 626
Eastern Side South Channel	17	48.2	362	287, 950	144, 770	1, 970	1, 084, 190	120, 038	379, 621		78, 728	777, 956	7, 600
Northern Edge and Northeast Peak of Georges	18	44.4	343	1, 371, 735	432, 880	1, 040	983, 800	71, 425	21, 019		99, 286	134, 165	10, 391
Central and Southeast Georges	7	7.7	74	402, 475	36, 580		63, 880	1, 790	5, 000		6, 400	6, 140	744
Nantucket Shoals and Lightship Grounds	4	3.1	28	38, 328	12, 870	1, 750	51, 755	10, 577	13, 250	5, 530	8, 655	17, 950	65
Southern New England, unclassified	1	1.0	3	225	50		1, 125	500	470		250	925	
Total	162	1, 732.0	6, 455	6, 037, 053	3, 354, 045	308, 105	12, 967, 283	2, 275, 708	2, 478, 005	780, 377	992, 618	5, 471, 295	658, 519
<i>Hand lines:</i>													
Western Nova Scotia	1	1.0	7	4, 200	4, 600		100				300		
Western Side South Channel	1	1.0	7	6, 700	5, 120		50	70			238		19
Nantucket Shoals and Lightship Grounds	2	3.0	17	16, 445	13, 115		90	70			748		45
Southern New England, unclassified	1	1.0	4	370	350								
Total	12	6.0	35	27, 715	23, 185		240	140			1, 286		64

Harpoons:													
Northeast Cape Breton	6	5.4	147										
Northeast Sable Island Bank	1	1.0	18										
Eastern Browns (including La Have Bank)	23	15.3	337										
Western Browns	29	28.4	572										
Nova Scotia, unclassified	2	.7	17										
Northern Edge and Northeast Peak of Georges	27	27.4	518										
Central and Southeast Georges	12	3.5	76										
Southwest Georges	2	1.3	10										
Off No Man's Land	1	1.0	14										
Total	131	84.0	1,709										
Otter trawls, large:													
Newfoundland Banks, unclassified	1	.8	12	15,300	49,680	11,610	31,000	26,250				140	
Banquereau	43	140.5	1,652	2,123,824	9,472,684	1,894,253	2,336,180	3,028,805	47,465	2,300	233,149	20,485	39,183
Middle Ground	22	27.5	311	759,054	2,208,664	364,639	474,115	356,662	6,885	800	172,590	445	8,110
Northeast Sable Island Bank	23	27.6	311	180,075	705,589	121,481	1,409,390	1,156,827	10,228		102,528	230	8,839
Southeast Sable Island Bank	3	2.4	27	7,400	36,320	18,490	90,750	82,405	3,390		15,270		2,138
Horseshoe Ground	39	79.3	896	1,985,575	2,336,970	293,744	3,061,486	1,781,015	61,542		1,141,201	3,914	18,423
Southwest Sable Island Bank	23	16.6	205	213,205	526,245	21,800	957,060	467,363	28,196		196,165	1,962	12,741
Emerald Bank	12	8.2	87	147,371	263,570	2,520	428,450	141,958	16,755		168,520	1,053	9,610
Central Nova Scotia	6	8.0	89	693,500	1,200		559,500	2,000			20,000	100	214
Eastern Browns (including La Have Bank)	24	17.8	177	365,511	310,990	27,628	936,543	325,012	7,390		157,127	2,575	2,784
Southern Nova Scotia	16	29.8	277	112,730	113,490	5,380	182,417	107,704	5,082	6,065	96,315	2,935	376
Western Browns	40	41.9	374	645,726	413,332	33,967	3,202,624	658,324	9,691	100	453,250	15,102	7,863
Nova Scotia, unclassified	7	3.2	31	22,403	25,500	4,725	54,880	20,050	3,080		19,660	460	284
Western Maine	1	1.3	12	3,080	680		5,800	800	600		1,480	80	132
Eastern Massachusetts	5	1.8	17	4,670	2,450	75	34,160	33,580	720		94,218	335	3
Inner Grounds	7	7.6	64	15,685	8,935	420	77,455	64,834	3,560	625	42,490	3,400	26
Western Side South Channel	45	199.9	1,746	830,508	588,327	92,075	5,303,478	3,351,027	266,513		2,364,455	59,490	17,228
Eastern Side South Channel	46	150.9	1,333	909,528	514,772	28,387	5,282,107	2,045,559	289,521	1,800	3,239,208	80,612	29,540
Northern Edge and Northeast Peak of Georges	53	302.7	2,713	3,236,296	2,917,982	108,613	14,522,553	8,634,404	174,457	1,725	2,723,053	114,679	58,367
Central and Southeast Georges	56	103.9	980	3,888,559	1,233,642	13,876	4,192,969	1,913,932	56,247		473,020	15,983	21,748
Southwest Georges	8	5.8	47	248,800	2,000	2,436	200,125	207,296	530		1,960	120	26
Nantucket Shoals and Lightship Grounds	6	2.8	21	5,360	18,730	9,120	110,398	118,321	3,530		3,675	375	53
Southern New England, unclassified	13	11.7	104	40,610	60,310	5,340	442,920	236,510	7,090	200	70,140	4,005	1,198
Total	555	1,192.0	11,486	16,454,770	21,812,062	3,060,579	43,896,260	24,760,638	1,002,472	13,615	11,789,474	328,340	239,026
Otter trawls, medium:													
Northeast Cape Breton	1	1.0	15										
Northeast Sable Island Bank	3	2.9	26	40,740	27,230	4,613	44,510	19,985	90	150	11,790	250	195
Southeast Sable Island Bank	1	.1	1										
Horseshoe Ground	1	1.0	8	12,300	7,200		44,200	11,950			1,100		
Eastern Browns (including La Have Bank)	18	20.5	184	113,438	161,590	3,820	560,335	182,998	576	1,625	155,930	3,237	2,954
Southern Nova Scotia	38	226.8	1,787	638,270	257,170	3,290	167,115	225,766	25,470	78,480	421,741	25,600	735
Western Browns	14	16.0	131	90,893	83,500	2,322	341,430	108,941	630	550	60,435	235	781

¹ Exclusive of duplication.

BY GEAR AND AREA—Continued

Gear and area	Vessels fishing	Trips	Days absent	Cod			Haddock		Hake		Pollock	Cusk	Halibut
				Large	Market	Scrod	Large	Scrod	Large	Small			
Otter trawls, medium—Continued.	<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>Pounds</i>	<i>Pounds</i>	<i>Pounds</i>	<i>Pounds</i>	<i>Pounds</i>	<i>Pounds</i>	<i>Pounds</i>	<i>Pounds</i>	<i>Pounds</i>	<i>Pounds</i>
Nova Scotia, unclassified	1	2	3	3,860	3,140	—	9,000	2,650	20	—	680	148	54
Central Maine	22	48.5	200	17,213	6,865	420	21,350	10,935	7,185	10,379	27,886	4,708	129
Western Maine	39	221.0	1,156	129,000	56,115	2,968	68,490	43,525	48,435	100,300	75,988	22,268	701
Eastern Massachusetts	36	117.3	466	24,560	29,570	2,000	23,350	34,475	8,435	8,895	2,701,435	915	—
Inner Grounds	55	363.3	2,277	221,182	80,878	3,503	260,495	126,367	53,925	105,885	825,500	62,262	1,502
Western Side South Channel	79	233.1	1,577	208,776	344,575	43,527	2,795,023	1,685,505	45,325	10,780	2,361,512	9,055	2,786
Eastern Side South Channel	61	166.2	1,299	242,226	223,118	4,580	5,269,780	2,352,606	28,371	745	261,045	6,211	13,858
Northern Edge and Northeast Peak of Georges	50	86.9	718	559,354	332,205	4,810	2,356,876	1,289,946	9,345	—	120,436	6,352	10,527
Central and Southeast Georges	55	260.6	2,119	1,240,746	380,370	3,200	7,578,697	3,728,138	15,826	—	163,629	1,262	14,927
Southwest Georges	33	53.4	423	60,505	79,031	—	1,906,727	741,960	1,187	—	18,218	—	6,218
Nantucket Shoals and Lightship Grounds	24	30.3	210	9,060	101,130	20,270	—	—	—	—	—	—	—
Off No Man's Land	2	2.0	5	—	—	—	258,980	210,252	6,360	715	21,433	320	108
Southern New England, unclassified	8	11.9	106	20,315	21,673	6,800	—	—	—	—	—	—	—
South	1	1.0	7	—	—	—	181,060	116,975	2,795	—	8,320	—	96
Total	1 107	1,864.0	12,718	3,632,438	2,195,360	106,123	21,887,418	10,893,034	255,725	318,504	7,237,048	142,823	55,571
Otter trawls, small:													
Banquereau	1	1.0	5	275	300	80	1,200	370	325	—	175	100	—
Eastern Browns (including La Have Bank)	1	.5	6	825	2,650	—	7,900	2,500	—	—	1,750	—	—
Western Browns	1	.5	6	825	2,650	—	7,900	2,500	—	—	1,750	—	—
Eastern Maine	1	3.0	13	—	25	—	4,650	2,675	—	—	8,300	—	1,945
Central Maine	29	505.7	1,182	108,409	75,617	9,238	77,559	61,512	32,790	91,483	27,695	10,017	239
Western Maine	54	665.3	1,703	149,118	75,656	8,410	101,078	80,569	43,815	130,748	33,320	24,701	79
Eastern Massachusetts	64	1,617.6	4,752	461,640	439,995	53,735	317,397	414,585	24,135	122,265	2,705,765	10,760	500
Inner Grounds	21	62.0	324	36,285	12,513	760	25,715	41,739	3,729	22,950	132,488	5,120	28
Western Side South Channel	57	388.9	1,395	167,415	180,555	42,220	724,240	696,005	4,530	43,045	185,135	3,092	221
Eastern Side South Channel	4	9.5	58	3,495	4,650	—	167,150	49,797	475	—	675	63	1,126
Northern Edge and Northeast Peak of Georges	1	1.0	12	400	500	—	—	—	—	—	—	—	—
Central and Southeast Georges	4	13.0	82	30,790	12,150	—	13,200	6,045	—	—	—	—	—
Southwest Georges	1	.7	7	135	1,215	—	280,450	82,950	—	—	3,510	—	389
Nantucket Shoals and Lightship Grounds	28	112.3	437	1,360	1,680	—	10,260	4,433	135	—	—	—	62
Off No Man's Land	7	10.0	33	250	440	—	—	—	—	—	—	—	—
Rhode Island Shore	3	4.0	14	—	—	—	3,105	867	1,790	3,165	2,540	—	7
Southern New England, unclassified	1	1.0	4	240	—	—	—	—	—	—	—	—	—
Total	1 99	3,396.0	10,033	961,462	810,596	114,443	1,750,899	1,446,547	120,024	413,656	3,096,748	53,853	2,651

Sink gill nets:														
Central Maine.....	3	9.0	14	6,720	1,335	230	417				4,055			
Western Maine.....	12	902.0	910	393,221	93,428	9,551	85,616	2,907	61,666	276,017	1,716,517	10,146	79	
Eastern Massachusetts.....	24	2,485.0	2,485	1,537,705	535,710	595	488,431	1,465	27,565	11,365	6,815,896	7,645	256	
Total.....	¹ 33	3,396.0	3,409	1,937,646	630,473	10,376	574,464	4,372	336,231	287,382	8,536,468	17,791	335	
Drift gill nets:														
Eastern Massachusetts.....	17	74.0	156											
Western Side South Channel.....	2	6.0	16											
Rhode Island Shore.....	1	1.0	3											
Total.....	¹ 17	81.0	175											
Purse seines:														
Eastern Nova Scotia.....	1	1.0	7											
Central Nova Scotia.....	2	2.0	18											
Central Maine.....	6	56.0	121								384,352			
Western Maine.....	7	36.0	71		175						100			
Eastern Massachusetts.....	34	368.6	828								1,600			
Inner Grounds.....	5	4.7	9											
Western Side South Channel.....	25	155.7	484											
Eastern Side South Channel.....	1	7.0	34											
Nantucket Shoals and Lightship Grounds.....	11	14.1	44											
Off No Man's Land.....	15	36.9	111											
Rhode Island Shore.....	7	7.0	17											
Southern New England, unclassified.....	1	1.0	3											
South.....	18	26.0	88											
Total.....	¹ 38	7.6.0	1,835		² 175						² 386,052			
Scallop drags:														
Western Side South Channel.....	10	13.5	119											
Eastern Side South Channel.....	14	21.8	200											
Northern Edge and Northeast Peak of Georges.....	17	31.3	300	1,000										
Central and Southeast Georges.....	7	11.1	105											
Southwest Georges.....	3	1.1	10											
Nantucket Shoals and Lightship Grounds.....	12	30.2	287											
Southern New England, unclassified.....	7	7.0	65											
Total.....	¹ 26	116.0	1,086	² 1,000										
Grand total.....	¹ 373	12,583.0	48,941	29,052,084	28,825,896	3,599,626	81,076,664	39,380,439	4,192,457	1,813,514	32,039,694	6,014,102	956,166	

¹ Exclusive of duplication.² Incidental catch.

NOTE.—The New England ports referred to in these statistics are Boston and Gloucester, Mass., and Portland, Maine. Otter trawls are classified according to the size of the vessel. "Small" otter trawl vessels are those of 5 net tons to 50 gross tons capacity; "medium," 51 gross tons to 150 gross tons; and "large," 151 gross tons or greater. The weight of salted fish landed has been converted to the equivalent of fresh fish as landed. Only landings by vessels having a capacity of 5 net tons or greater are used in the

tabulation. "Occasional" after the name of a bank or area indicates that the vessels contributing to the catch as shown fished chiefly with another type of gear. In such cases the number of vessels fishing, number of trips, and number of days absent, are shown under the principal type of gear used. Beginning with the data for the year 1939 there was inaugurated a new system for reporting trips which consisted of showing a single trip for each voyage. When a vessel operates in two or more areas during a voyage, a fractional part (in tenths) of the trip is allocated to the areas on the basis of the catch reported taken in each area.

Landings by fishing vessels at certain New England ports, 1940—Continued

BY GEAR AND AREA—Continued

Gear and area	Mack- erel	Flounders						Sword- fish	Rosefish	Tuna	Whiting	Wolffish	Other	Total
		Gray sole	Lemon sole	Yellow- tail	Black- back	Dab	Other							
Line trawls:	<i>Pounds</i>	<i>Pounds</i>	<i>Pounds</i>	<i>Pounds</i>	<i>Pounds</i>	<i>Pounds</i>	<i>Pounds</i>	<i>Pounds</i>	<i>Pounds</i>	<i>Pounds</i>	<i>Pounds</i>	<i>Pounds</i>	<i>Pounds</i>	<i>Pounds</i>
Grand Bank														21, 239
St. Pierre Bank														88, 064
Northeast Cape Breton						2, 040								44, 814
Misaine Bank												270		49, 197
Banquereau								550				500		656, 292
Canso Bank														47, 893
Middle Ground													1, 200	153, 621
Northeast Sable Island Bank												2, 247		743, 737
Southeast Sable Island Bank									60					40, 577
Horseshoe Ground													20	174, 309
Southwest Sable Island Bank						860							430	61, 460
Eastern Nova Scotia														12, 742
Emerald Bank		163												
Eastern Browns (including La Have Bank)												2, 400		390, 252
Southern Nova Scotia						950								
Western Browns							3, 850			5			19, 832	4, 155, 003
Western Nova Scotia										30			6, 873	2, 029, 568
Nova Scotia, unclassified							1, 360						54, 191	4, 885, 097
Eastern Maine													12, 418	2, 527, 073
Central Maine													1, 200	157, 805
Western Maine						70				100			20	64, 330
Eastern Massachusetts						2, 515		75		3, 040			940	81
Inner Grounds		25		550	950	3, 590				1, 865			20, 335	543
Western Side South Channel													1, 337	990
Eastern Side South Channel													4, 115	4, 733, 532
Northern Edge and Northeast Peak of Georges									45				1, 695	2, 587, 210
Central and Southeast Georges														2, 883, 943
Nantucket Shoals and Lightship Grounds									468					2, 167
Southern New England, unclassified													160	3, 128, 376
														523, 169
														160, 730
														3, 525
Total		188		550	950	15, 175	270	2 1, 063	5, 100			141, 690	15, 616	35, 503, 590

Hand lines:												
Western Nova Scotia											100	9,300
Eastern Massachusetts (occasional)								2,700				2,700
Western Side South Channel												12,197
Nantucket Shoals and Lightship Grounds											100	30,613
Southern New England, unclassified												720
Total								2,700			200	55,530
Harpoons:												
Northeast Cape Breton								58,885				58,885
Northeast Sable Island Bank								13,134				13,134
Eastern Browns (including La Have Bank)								150,565				150,565
Southern Nova Scotia (occasional)								909				909
Western Browns								276,684				276,684
Nova Scotia, unclassified								7,616				7,616
Inner Grounds (occasional)								305				305
Northern Edge and Northeast Peak of Georges								242,657				242,657
Northern Edge and Northeast Peak of Georges (occasional)								4,022				4,022
Central and Southeast Georges								30,802				30,802
Central and Southeast Georges (occasional)								256				256
Southwest Georges								2,327				2,327
Nantucket Shoals and Lightship Grounds (occasional)								548				548
Off No Man's Land								1,864				1,864
Total								790,574				790,574
Otter trawls, large:												
Newfoundland Banks, unclassified												133,980
Banquereau	1,547,485	1,426	311,810	22,840	85,905	188,600		2,595,012		58,990	1,297	24,011,693
Middle Ground	4,630	1,037	88,267	285	8,060			25,330		16,993	461	4,497,027
Northeast Sable Island Bank	770	8,522	25,345	720	11,630					9,711	100	3,751,985
Southeast Sable Island Bank	21,735	590	5,300							1,100		310,038
Horseshoe Ground	27 137,482	5,610	116,611	1,065	14,020			25,150		28,237	490	11,006,292
Southwest Sable Island Bank	27 2,600	333	11,315		6,140	1,600		18,880		23,200		2,482,577
Emerald Bank	3,400	722	3,440		2,740			23,200		12,625		1,214,352
Central Nova Scotia	140							18,680		5,563		1,276,654
Eastern Browns (including La Have Bank)	1,830	1,359	1,340	230	1,860			6,750		6,237	23	2,155,189
Southern Nova Scotia	30,555	215	620		9,860	600		3,092,169		4,289		3,770,802
Western Browns	10,852	964	1,788	375	14,392			186,110	120	35,511	326	5,690,417
Nova Scotia, unclassified	5,330		2,320	35	925			3,780		570		164,002
Western Maine					520			104,044		40		117,256
Eastern Massachusetts	3,538				760			60,380		738		235,627

² Exclusive of duplication.

Landings by fishing vessels at certain New England ports, 1940—Continued

BY GEAR AND AREA—Continued

Gear and area	Mack- erel	Flounders					Other	Sword- fish	Rosefish	Tuna	Whiting	Wolfish	Other	Total
		Gray sole	Lemon sole	Yellow- tail	Black- back	Dab								
Otter trawls, large—Continued.	<i>Pounds</i>	<i>Pounds</i>	<i>Pounds</i>	<i>Pounds</i>	<i>Pounds</i>	<i>Pounds</i>	<i>Pounds</i>	<i>Pounds</i>	<i>Pounds</i>	<i>Pounds</i>	<i>Pounds</i>	<i>Pounds</i>	<i>Pounds</i>	<i>Pounds</i>
Inner Grounds.....		24, 471		376		1, 440			679, 461			1, 425		924, 603
Western Side South Channel.....	630	300, 449	92, 122	9, 333	140, 504	153, 491	2, 500		7, 018, 840		11, 994	83, 502	3, 254	20, 689, 720
Eastern Side South Channel.....	100	275, 218	80, 149	22, 731	25, 260	382, 664	1, 900		2, 609, 727		33, 476	50, 504	6, 854	15, 909, 617
Northern Edge and Northeast Peak of Georges.....	240	69, 443	258, 159	29, 040	37, 614	84, 384			70, 873			80, 058	7, 934	33, 129, 874
Central and Southeast Georges.....	36	7, 573	160, 166	43, 533	29, 197	30, 008	1, 150		2, 420			34, 016	728	12, 123, 853
Southwest Georges.....	390	100	6, 425	8, 450	1, 020	400						180	155	680, 413
Nantucket Shoals and Lightship Grounds.....		360	6, 982	440	26, 550							377		304, 271
Southern New England, unclassified.....		8, 250	17, 885	930	5, 150	8, 060			15, 120			3, 800	990	928, 508
Total.....	¹ 1, 450	2, 456, 211	642, 666	688, 039	290, 845	817, 259	196, 350		16, 555, 926		45, 590	434, 466	22, 612	145, 508, 750

¹ Incidental catch.

Gear and area	Mackerel	Flounders						Swordfish	Rosefish	Tuna	Whiting	Wolf-fish	Scallops (meats)	Other	Total
		Gray sole	Lemon sole	Yellow-tail	Black-back	Dab	Other								
Otter trawls, medium:	<i>Pounds</i>	<i>Pounds</i>	<i>Pounds</i>	<i>Pounds</i>	<i>Pounds</i>	<i>Pounds</i>	<i>Pounds</i>	<i>Pounds</i>	<i>Pounds</i>	<i>Pounds</i>	<i>Pounds</i>	<i>Pounds</i>	<i>Pounds</i>	<i>Pounds</i>	<i>Pounds</i>
Northeast Cape Breton		370						11,400							11,770
Northeast Sable Island Bank	100					200		92,700			2,750				245,303
Southeast Sable Island Bank								5,200							5,200
Horseshoe Ground				50							5,900				82,700
Eastern Browns (including La Have Bank)	5,792	1,686	10,022	150	4,940			418,350			11,931				1,639,374
Southern Nova Scotia	273,675	1,070	3,265	125	70,845	4,515		18,685,086		3,192	13,525		285		20,899,220
Western Browns	4,095	525	3,585	135	5,095	25		490,300		300	19,772				1,213,549
Nova Scotia, unclassified											260				19,812
Central Maine	150,505	3,350	5,600	1,200	78,295	21,480		959,920		32,207	630		2,188		1,362,445
Western Maine	308,450	5,005	16,765	6,750	169,753	33,415		8,202,050		200,525	7,705		5,375		9,503,553
Eastern Massachusetts	20,785		41,670	8,125	22,467	1,460		93,300		726,170	465		1,075		3,749,152
Inner Grounds	1,800	661,182	8,690	2,640	2,903	297,125	10,460	20,139,364		41,682	12,210		3,440		22,922,995
Western Side South Channel	50	89,910	44,190	46,008	117,710	61,583	2,985	3,486,319		52,415	17,002		6,750		11,431,986
Eastern Side South Channel	43	36,121	294,721	61,539	68,034	113,517	2,509	346,987		2,000	27,282		4,770		9,360,123
Northern Edge and Northeast Peak of Georges		4,079	121,598	95,434	24,012	6,580	525	28,963		300	24,757		900		4,996,999
Central and Southeast Georges	84	16,829	612,384	587,225	111,770	24,940	3,940	5,020			20,445		2,997		14,512,429
Southwest Georges	242	2,150	241,548	36,431	38,371	11,040	1,096	8,000			3,519		834		3,157,077
Nantucket Shoals and Lightship Grounds	36	280	20,380	540,270	56,635	1,050	810	121,165			465	26	1,135		1,370,880
Off No Man's Land				89,000			50								89,050
Southern New England, unclassified		212	11,913	2,700	6,135	1,275	165	20,659			495		1,000		402,588
South							800			1,440			9,390		13,180
Total	² 2,255	1,574,535	1,367,060	1,542,204	442,055	868,705	84,235	53,114,783		1,060,231	169,113	² 26	40,139		106,989,385
Otter trawls, small:															
Banquereau	150					30		26,500							29,505
Eastern Browns (including La Have Bank)				150							500				16,275
Western Browns				150							500				16,275
Eastern Maine	2,510	2,565	1,900		1,150	175		87,205			25		170		113,295
Central Maine	249,635	15,580	11,505	9,600	191,480	30,895		5,940,947		206,816	5,684		3,498		7,160,199
Western Maine	500,560	12,755	72,090	27,830	300,265	34,660		6,068,188		3,006,260	13,917		16,718		10,700,737

¹ Incidental catch.

Landings by fishing vessels at certain New England ports, 1940—Continued

BY GEAR AND AREA—Continued

Gear and area	Mackerel	Flounders						Swordfish	Rosefish	Tuna	Whiting	Wolf-fish	Scallops (meats)	Other	Total
		Gray sole	Lemon sole	Yellow-tail	Black-back	Dab	Other								
Otter trawls, small—Con.	<i>Pounds</i>	<i>Pounds</i>	<i>Pounds</i>	<i>Pounds</i>	<i>Pounds</i>	<i>Pounds</i>	<i>Pounds</i>	<i>Pounds</i>	<i>Pounds</i>	<i>Pounds</i>	<i>Pounds</i>	<i>Pounds</i>	<i>Pounds</i>	<i>Pounds</i>	<i>Pounds</i>
Eastern Massachusetts		636,045	1,175	844,100	408,370	888,468	7,555		311,735		10,041,438	54,135		160,975	17,904,773
Inner Grounds		311,079	3,325	3,735	2,500	107,493	150		1,251,423		8,995	2,753		300	1,973,080
Western Side South Channel		286,044	2,725	223,450	90,950	261,632	1,325		363,220		2,356,259	62,390		80,475	5,774,928
Eastern Side South Channel		1,632	17,905	1,300	1,415	3,233			4,075		1,000	2,225			260,216
Northern Edge and Northeast Peak of Georges			2,000	1,000	700										23,845
Central and Southeast Georges		1,090	10,080	13,655	765	175			900			780			446,684
Southwest Georges			4,005	540	565										21,350
Nantucket Shoals and Lightship Grounds	75	1,335	1,845	3,361,395	18,125	2,980	7,790		1,800		330			70	3,416,349
Off No Man's Land			20,500	138,400	150									389	160,129
Rhode Island Shore				77,500											77,500
Southern New England, unclassified		1,500				1,200	250		7,000			490			10,775
Total	² 75	1,991,580	94,460	4,750,870	560,970	1,758,076	82,830		14,062,993		15,621,098	143,399	² 459	268,226	48,105,915
Sink gill nets:															
Central Maine						100			150						13,007
Western Maine		1,150			770	2,546			40,590		205	428		8,700	2,703,537
Eastern Massachusetts	115	500		940	2,520	24,650			1,650	5,213	9,363	1,090		17,633	9,737,337
Total	² 115	1,650		940	3,290	27,296			42,420	² 5,213	9,568	1,518		26,333	12,453,881
Drift gill nets:															
Eastern Massachusetts	185,622									324				4,032	189,978
Western Side South Channel	35,355														35,355
Rhode Island Shore	14,680														14,680
Total	235,657									324				4,032	240,013

Purse seines:														
Eastern Nova Scotia	46,550												46,550	
Central Nova Scotia	132,350												132,350	
Central Maine	614,401								20,130			242,200	1,261,083	
Western Maine	368,592											134,975	503,842	
Eastern Massachusetts	9,676,743								221,517			92,851	9,992,711	
Inner Grounds	84,075												84,075	
Western Side South Channel	5,952,176											5,730	5,957,906	
Eastern Side South Channel	233,550												233,550	
Nantucket Shoals and Lightship Grounds	696,589												696,589	
Off No Man's Land	1,536,181											235	1,536,416	
Rhode Island Shore	269,765												269,765	
Southern New England, unclassified	21,800												21,800	
South	853,660											1,115	854,775	
Total	20,486,432								241,647			477,106	21,591,412	
Scallop drags:														
Western Side South Channel			200		158							141,576	141,934	
Eastern Side South Channel			766		70							225,491	226,327	
Northern Edge and Northeast Peak of Georges			175									365,933	367,108	
Central and Southeast Georges												119,760	119,760	
Southwest Georges												10,781	10,781	
Nantucket Shoals and Lightship Grounds			44		107							329,382	329,533	
Southern New England, unclassified			110									64,002	64,112	
Total			2 1,295		2 335							1,256,925	1,259,555	
Grand total	20,725,984	6,024,164	2,105,481	6,982,603	1,298,445	3,486,511	363,685	791,637	83,781,222	249,884	16,736,487	890,386	1,257,410	854,064

² Incidental catch.

Landings by fishing vessels at certain New England ports, 1940—Continued

SUMMARY: BY AREA

Area	Vessels fishing	Trips	Days absent	Cod			Haddock		Hake		Pollock	Cusk	Hali-but	Mackerel
				Large	Market	Scrod	Large	Scrod	Large	Small				
	Number	Number	Number	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	
Newfoundland Banks (Area XX):														
Grand Bank	1	.5	14	9,120					1,150				10,969	
St. Pierre Bank	2	1.5	45	150					1,350		150		66,414	
Newfoundland Banks, unclassified	1	.8	12	15,300	49,680	11,610	31,000	26,250					140	
Total	13	2.8	71	24,570	49,680	11,610	31,000	26,250	2,500		150		77,523	
Off Nova Scotia (Area XXI):														
Northeast Cape Breton	8	7.0	170	20,100	18,540		3,000	774			360			
Misaine Bank	1	1.0	5	6,785	5,550		32,620	3,070			500	110	292	
Banquereau	47	152.1	1,861	2,278,994	9,571,182	1,894,333	2,344,780	3,032,975	123,520	3,190	233,974	54,095	319,352	
Canso Bank	1	1.0	20	1,800					700				45,393	
Middle Ground	23	29.1	327	829,654	2,230,764	367,099	519,715	363,332	6,885	800	173,860	445	11,831	
Northeast Sable Island Bank	35	40.3	465	496,255	859,012	129,054	1,676,900	1,232,602	18,065	402	120,968	29,280	23,692	
Southeast Sable Island Bank	5	3.5	37	9,525	42,145	19,060	101,995	86,450	3,390	6,600	15,660	9,700	2,155	
Horseshoe Ground	45	83.0	931	2,033,169	2,361,080	294,044	3,176,620	1,807,085	75,972		1,146,006	20,969	19,964	
Southwest Sable Island Bank	27	17.6	217	226,867	536,025	22,100	982,062	471,213	29,626		197,530	5,992	13,552	
Eastern Nova Scotia	2	1.2	9	3,420	2,660	880	3,280	1,270	240		200	740	52	
Emerald Bank	20	14.2	165	243,981	361,260	4,720	529,600	168,493	33,870		173,743	33,923	17,906	
Central Nova Scotia	8	10.0	107	693,500	1,200		559,500	2,000			20,000	100	214	
Eastern Browns (including La Have Bank)	81	117.0	1,362	1,046,192	910,772	77,580	3,464,770	930,807	207,583	6,475	398,950	383,296	45,484	
Southern Nova Scotia	73	297.6	2,538	964,140	594,835	45,800	1,201,368	504,466	103,202	112,670	552,511	392,349	27,245	
Western Browns	101	159.3	1,807	1,462,417	1,086,363	87,082	5,944,417	1,282,305	94,403	6,525	633,398	281,179	114,258	
Western Nova Scotia	18	38.2	409	270,991	290,200	12,370	753,847	209,858	128,017	3,043	81,667	756,733	15,769	
Nova Scotia, unclassified	12	7.1	89	51,763	50,740	8,725	130,680	37,600	9,600		23,240	12,608	2,243	
Total	141	979.2	10,510	10,639,553	18,902,328	2,962,847	21,425,154	10,134,300	835,073	139,705	3,772,567	1,981,519	659,402	
													178,954	

Landings by fishing vessels at certain New England ports, 1940—Continued

SUMMARY: BY AREA—Continued

Area	Flounders						Sword- fish	Rosefish	Tuna	Whiting	Wolf- fish	Scallops (meats)	Other	Total
	Gray sole	Lemon sole	Yellow- tail	Black- back	Dab	Other								
Newfoundland Banks (Area XX):	<i>Pounds</i>	<i>Pounds</i>	<i>Pounds</i>	<i>Pounds</i>	<i>Pounds</i>	<i>Pounds</i>	<i>Pounds</i>	<i>Pounds</i>	<i>Pounds</i>	<i>Pounds</i>	<i>Pounds</i>	<i>Pounds</i>	<i>Pounds</i>	<i>Pounds</i>
Grand Bank														21, 239
St. Pierre Bank														68, 064
Newfoundland Banks, unclassified														133, 980
Total														223, 283
Off Nova Scotia (Area XXI):														
Northeast Cape Breton	370				2, 040		58, 885	11, 400						115, 469
Misaine Bank										270				49, 197
Banquereau	1, 547, 635	1, 426	311, 810	22, 840	85, 905	188, 630	550	2, 621, 512		59, 490			1, 297	24, 697, 490
Canso Bank														47, 893
Middle Ground	4, 630	1, 037	88, 267	285	8, 060			25, 330		18, 193			461	4, 650, 648
Northeast Sable Island Bank	870	8, 522	25, 345	720	11, 830		13, 134	92, 700		14, 708			100	4, 754, 159
Southeast Sable Island Bank	21, 735	590	5, 300					30, 410		1, 100				355, 815
Horseshoe Ground	137, 482	5, 610	116, 661	1, 065	14, 020			18, 880		34, 157			490	11, 283, 301
Southwest Sable Island Bank	2, 600	333	11, 315		6, 940	1, 600		23, 200		13, 055				2, 544, 037
Eastern Nova Scotia														59, 292
Emerald Bank	3, 563	722	3, 440		2, 740			18, 680		7, 963				1, 604, 604
Central Nova Scotia	140													1, 409, 004
Eastern Browns (including La Have Bank)	7, 622	3, 045	11, 512	380	7, 750		150, 565	425, 100		38, 500			23	8, 116, 406
Southern Nova Scotia	304, 230	1, 285	3, 885	125	80, 705	5, 115	909	21, 777, 260		3, 192			520	26, 700, 499
Western Browns	14, 947	1, 489	5, 523	510	23, 337	25	276, 684	676, 440		420		109, 974	326	12, 082, 022
Western Nova Scotia					1, 360							12, 518		2, 536, 373
Nova Scotia, unclassified	5, 330		2, 320	35	925		7, 616	3, 780		2, 030				349, 235
Total	2, 051, 154	24, 059	585, 378	25, 960	215, 612	195, 370	508, 343	25, 724, 692		3, 612	336, 645		3, 217	101, 335, 444

Off New England (Area XXII):														
Eastern Maine.....	2,510	2,565	1,900	1,150	175		87,305			45		170	177,625	
Central Maine.....	400,140	18,930	17,105	10,800	269,945	52,375	6,901,017	20,130	239,023	6,654		247,967	11,077,539	
Western Maine.....	810,160	17,760	88,055	35,350	475,599	68,150	14,417,912		3,206,990	23,030		166,811	24,133,656	
Eastern Massachusetts.....	660,893	1,175	887,260	419,965	939,935	9,015	468,960	229,754	10,776,971	85,763		290,333	45,128,774	
Inner Grounds.....	996,732	12,015	6,751	5,403	406,053	10,805	305	22,070,248	50,677	17,725		4,730	30,638,590	
Western Side South Channel.....	676,403	139,237	278,791	349,322	476,706	6,810	10,868,379		2,420,668	167,009	141,576	96,209	46,631,236	
Eastern Side South Channel.....	312,971	393,541	85,570	94,779	499,414	4,409	45	2,960,789	36,476	81,706	225,491	11,624	28,873,776	
Northern Edge and Northeast Peak of Georges.....	73,522	381,932	125,474	62,326	90,964	525	247,147	99,836	300	106,982	365,933	8,834	41,892,881	
Central and Southeast Georges.....	25,492	782,630	649,463	141,732	55,123	5,090	31,058	8,340		55,401	119,760	3,725	27,756,953	
Southwest Georges.....	2,250	251,978	45,421	39,956	11,440	1,096	2,327	8,000		3,699	10,781	989	3,871,948	
Nantucket Shoals and Light- ship Grounds.....	1,975	29,251	3,902,105	101,417	4,030	8,600	548	122,965		330	942	329,478	7,225	
Off No Man's Land.....		20,500	227,400	150		50	1,864					359	235	
Rhode Island Shore.....			77,500										1,787,459	
Southern New England, un- classified.....	9,962	29,908	3,630	11,285	10,535	415		42,779			4,785	64,002	1,990	
Total.....	3,973,010	2,081,422	6,397,225	1,272,485	3,240,899	167,515	283,294	58,056,530	249,884	16,731,435	553,741	1,257,410	840,342	
Off Middle Atlantic States (Area XXIII):														
South.....						800				1,440			10,505	
Grand total.....	6,024,164	2,105,481	6,982,603	1,298,445	3,486,511	363,685	791,637	83,781,222	249,884	16,736,487	890,386	1,257,410	854,064	
Total.....													372,498,605	

NOTE.—The weight of salted fish landed has been converted to the equivalent of fresh fish as landed. The roman numerals appearing in the stub of the above table refer to the numbers given these regions by the North American Council on Fishery Investigations. Beginning with the data for the year 1939, salted fish from the treaty coasts of New-

foundland, Magdalen Islands, and Labrador, which are received in this country as products of American fisheries, are not included in the tables showing the landings at the three ports. Receipts from the treaty coasts in 1940 consisted of salted cod, 2,318,000 pounds, valued at \$69,540, and salted herring, 716,000 pounds, valued at \$17,900.

MACKEREL FISHERY OF THE ATLANTIC COAST²

The offshore mackerel fishing season of 1940 extended from April 5, 1940, to January 24, 1941. Seventy-two vessels landed 30,945,000 pounds, an increase of 79 percent as compared with corresponding landings of the preceding year.

In this analysis, vessels in the mackerel fishery include United States craft of 5 net tons capacity or over. Purse seine vessels are classed arbitrarily as "regular" or "irregular" on the basis of their effort throughout the whole mackerel season. Seiners which did not fish South, or ceased seining activity for 3 months or more during the time of the Gulf of Maine fishery, are classed as irregular. Gill net vessels are not classified. Vessels using purse seines may change gear, decrease crew, and engage in gill netting for a portion of the season, when they are classed as netters. Allowance for such duplication has been made in the summary "Operating Units and Catch."

Mackerel fishery of the Atlantic coast, 1940

OPERATING UNITS AND CATCH: BY GEAR CLASSIFICATION AND GROUNDS

[Vessels of 5 net tons and over]

Designation	Vessels	Tonnage	Crew	Trips	Catch
SPRING PERIOD					
South (area XXIII—west of 73° meridian)					
Seiners:	<i>Number</i>	<i>Net tons</i>	<i>Number</i>	<i>Number</i>	<i>Pounds</i>
Regular.....	8	366	115	54	1,239,400
Irregular.....	2	71	25	6	57,500
Netters.....	23	379	117	152	856,100
Block Island (area XXII west of Nantucket Shoals to 73° meridian)					
Seiners:					
Regular.....	8	366	115	74	2,665,700
Irregular.....	12	476	168	100	3,438,500
Netters.....	6	90	31	16	90,000
Gulf of Maine (area XXII—East of Nantucket Shoals)					
Seiners:					
Regular.....	5	199	71	5	156,900
Irregular.....	7	219	95	9	281,700
Netters.....	12	138	51	62	173,200
Nova Scotia (area XXI)					
Seiners:					
Regular.....	2	109	28	2	132,300
Irregular.....	1	41	15	1	46,600
Total by gear:					
Seiners, regular.....	8	366	115	135	4,194,300
Seiners, irregular.....	13	504	179	116	3,824,300
Netters.....	36	514	169	230	1,119,300
Total, spring.....	57	1,384	463	481	9,137,900
SUMMER PERIOD					
Block Island (area XXII west of Nantucket Shoals to 73° meridian)					
Seiners:					
Regular.....	8	366	112	15	458,300
Irregular.....	13	600	182	34	985,600

² This section prepared by J. R. Webster of the Division of Fishery Biology. The summary includes landings at Norfolk, Va.; Cape May and Wildwood, N. J.; New York City, N. Y.; Newport and Block Island, R. I.; New Bedford, Woods Hole, Provincetown, Plymouth, Boston, and Gloucester, Mass.; and Portland, Maine; by purse-seine vessels or "seiners" and drift-gill-net vessels or "netters." It does not include incidental catches by other vessels or other forms of gear. The figures will differ somewhat from statistics published elsewhere in this document, due to different methods of collecting and tabulating the material. For lack of data on area of capture and dates of landing, some gill net catches could not be included with the summary; the total of these catches is approximately 173,000 pounds.

OPERATING UNITS AND CATCH: BY GEAR CLASSIFICATION AND GROUNDS—Continued

[Vessels of 5 net tons and over]

Designation	Vessels	Tonnage	Crew	Trips	Catch
Summer period—Continued					
Gulf of Maine area XXII—east of Nantucket Shoals					
Seiners:	<i>Number</i>	<i>Net tons</i>	<i>Number</i>	<i>Number</i>	<i>Pounds</i>
Regular.....	8	366	112	141	5,333,700
Irregular.....	25	790	273	345	9,291,800
Netters.....	5	55	19	10	12,300
Total by gear:					
Seiners, regular.....	8	366	² 112	156	5,792,000
Seiners, irregular.....	25	790	273	379	10,277,400
Netters.....	5	55	19	10	12,300
Total, summer.....	38	1,211	404	545	16,081,700
FALL AND WINTER PERIOD					
Block Island (area XXII west of Nantucket Shoals to 73° meridian)					
Seiners:					
Regular.....	8	366	115	41	658,000
Irregular.....	18	824	246	81	1,494,900
Gulf of Maine area XXII—east of Nantucket Shoals					
Seiners:					
Regular.....	8	366	115	33	833,700
Irregular.....	23	819	270	107	2,687,200
Netters.....	6	127	37	20	51,900
Total by gear:					
Seiners, regular.....	8	366	115	74	1,491,700
Seiners, irregular.....	25	925	297	188	4,182,100
Netters.....	6	127	37	20	51,900
Total, fall and winter.....	1 37	1 1,350	1 436	282	5,725,700
SEASON					
Seiners, regular.....	8	366	115	365	11,478,000
Seiners, irregular.....	29	977	328	683	18,283,800
Netters.....	38	533	179	260	1,183,500
Grand total, season 1940.....	1 72	1 1,796	1 604	1,308	30,945,300

¹ Exclusive of duplication. Three vessels engaged in both seining and netting.² Slight decrease in crew during summer.

NOTE.—The roman numerals appearing in the box heads of the above table refer to the numbers given these areas by the North American Council on Fishery Investigations.

Mackerel fishery of the Atlantic coast, 1940—Continued

CATCH: BY AREAS IN 5-DAY PERIODS¹

Date	South (area XXIII West of 73° meridian)		Block Island (area XXII west of Nantucket Shoals to 73° meridian)		Gulf of Maine (area XXII east of Nan- tucket Shoals)		Nova Scotia (area XXI)	Total
	Seiners	Netters	Seiners	Netters	Seiners	Netters	Seiners	
SPRING								
	<i>Pounds</i>	<i>Pounds</i>	<i>Pounds</i>	<i>Pounds</i>	<i>Pounds</i>	<i>Pounds</i>	<i>Pounds</i>	<i>Pounds</i>
Apr. 1-5	24,300							24,300
Apr. 6-10	209,200							209,200
Apr. 16-20	12,300	5,800						18,100
Apr. 21-25		200						200
Apr. 26-30	253,900	23,100						277,000
May 1-5	232,000	69,800						301,800
May 6-10	425,800	375,400	165,600					966,800
May 11-15	129,500	122,300	311,700					563,500
May 16-20	9,900	166,200	242,300	19,400				437,800
May 21-25		30,800	311,100	8,600				350,500
May 26-31		24,600	459,900	9,800		1,800		496,100
June 1-5		2,400	711,500			27,600	132,300	873,800
June 6-10		15,900	976,600	26,300		44,200		1,063,000
June 11-15		1,600	1,058,000	25,900		42,100	46,600	1,174,200
June 16-20		9,000	1,227,200			31,500		1,267,700
June 21-25		9,000	542,600			16,500		568,100
June 26-30			97,700		438,600	9,500		545,800
SUMMER								
July 1-5			83,100		521,700	8,700		613,500
July 6-10					970,600	2,000		972,600
July 11-15					1,399,000			1,399,000
July 16-20					1,584,500	400		1,584,900
July 21-25					639,700			639,700
July 26-31					455,000			455,000
Aug. 1-5					724,200	800		725,000
Aug. 6-10					1,333,100			1,333,100
Aug. 11-15					671,200	400		671,600
Aug. 16-20					545,400			545,400
Aug. 21-25					1,240,400			1,240,400
Aug. 26-31			28,400		1,830,500			1,858,900
Sept. 1-5					477,400			477,400
Sept. 6-10			20,000		900,600			920,600
Sept. 11-15			20,000		767,700			787,700
Sept. 16-20					463,300			463,300
Sept. 21-25			130,100		101,200			231,300
Sept. 26-30			1,162,300					1,162,300
FALL AND WINTER								
Oct. 1-5			411,100		82,600			493,700
Oct. 6-10			438,600		67,200			505,800
Oct. 11-15			313,600		120,100			433,700
Oct. 21-25			72,300		840,500	200		913,000
Oct. 26-31					1,945,200			1,945,200
Nov. 1-5					267,900			267,900
Nov. 6-10					133,100			133,100
Nov. 11-15					64,300	1,600		65,900
Nov. 21-25			179,800					179,800
Nov. 26-30			327,700					327,700
Dec. 1-5			80,200					80,200
Dec. 6-10			43,700			400		44,100
Dec. 11-15						10,100		10,100
Dec. 16-20			182,700			26,300		209,000
Dec. 21-25			66,200			13,200		79,400
Dec. 26-31			2,400					2,400
Jan. 1-5			4,500			100		4,600
Jan. 11-15			2,200					2,200
Jan. 21-25			27,900					27,900
Total	1,296,900	856,100	9,701,000	90,000	18,585,000	237,400	178,900	30,945,300

¹ Includes the catch made during the mackerel season, which extended from Apr. 5 1940 (first landing) to Jan. 24, 1941 (last landing).

FISHERIES OF THE MIDDLE ATLANTIC STATES

(Area XXIII) ⁴

The yield of the commercial fisheries of the Middle Atlantic States (New York, New Jersey, Pennsylvania, and Delaware) during 1940 amounted to 355,552,800 pounds, valued at \$7,650,957 to the fishermen, representing an increase of 27 percent in volume and 4 percent in value as compared with the catch in 1939. These fisheries gave employment to 7,737 fishermen, as compared with 7,740 in 1939.

There were 339 fishery wholesale and manufacturing establishments in these States in 1940, as compared with 378 in the previous year. In 1940 these establishments employed 5,880 persons, paid \$6,736,554 in salaries and wages, and produced manufactured products (canned, cured, packaged, and byproducts) valued at \$15,815,684. In 1939 the wholesale and manufacturing firms employed 5,693 persons, paid \$6,835,641 in salaries and wages, and produced manufactured products valued at \$16,367,706.

Fisheries of the Middle Atlantic States, 1940

SUMMARY OF CATCH

Product	New York		New Jersey		Pennsylvania	
	<i>Pounds</i>	<i>Value</i>	<i>Pounds</i>	<i>Value</i>	<i>Pounds</i>	<i>Value</i>
Fish.....	76,395,700	\$1,771,137	146,843,200	\$1,664,106	23,000	\$2,373
Shellfish, etc.....	15,563,000	2,445,087	13,710,700	1,292,840	-----	-----
Total.....	91,958,700	4,216,224	160,553,900	2,956,946	23,000	2,373

Product	Delaware		Total	
	<i>Pounds</i>	<i>Value</i>	<i>Pounds</i>	<i>Value</i>
Fish.....	101,512,600	\$389,489	324,774,500	\$3,827,105
Shellfish, etc.....	1,504,600	85,925	30,778,300	3,823,852
Total.....	103,017,200	475,414	355,552,800	7,650,957

OPERATING UNITS: BY STATES

Item	New York	New Jersey	Pennsylvania	Delaware	Total
Fishermen:	<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>Number</i>
On vessels.....	888	1,206	-----	572	2,666
On boats and shore:					
Regular.....	1,121	1,289	-----	8	2,418
Casual.....	1,073	1,312	16	252	2,653
Total.....	3,082	3,807	16	832	7,737
Vessels:					
Steam.....	2	-----	-----	10	12
Net tonnage.....	372	-----	-----	543	915
Motor.....	171	175	-----	24	370
Net tonnage.....	3,742	3,047	-----	879	7,668
Sail.....	1	4	-----	2	7
Net tonnage.....	6	121	-----	48	175
Total vessels.....	174	179	-----	36	389
Total net tonnage.....	4,120	3,168	-----	1,470	8,758

⁴ This number was given to this area by the North American Council on Fishery Investigations. It should be explained that there are included in this area, craft whose principal fishing ports are in the area but at times fish elsewhere. A notable example is the southern trawl fishery which extends into Area XXIV. It should be observed that the persons engaged, gear and craft employed, and catch of the seed-oyster fishery are not included among the statistics of the fishery for market oysters and other species but are shown in a footnote to table showing the catch of the Middle Atlantic States, p. 99. For a clearer understanding of the statistics published in this section, the reader is referred to the section in the latter part of this document entitled "Statistical survey procedure", p. 220.

Fisheries of the Middle Atlantic States, 1940—Continued.

OPERATING UNITS: BY STATES—Continued

Item	New York	New Jersey	Pennsylvania	Delaware	Total
Boats:	<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>Number</i>
Motor.....	289	1,002		20	1,311
Other.....	1,398	1,117		114	2,629
Accessory boats.....	53	67		60	180
Apparatus:					
Purse seines:					
Mackerel.....	2				2
Length, yards.....	880				880
Menhaden.....	7	18		20	45
Length, yards.....	2,750	5,640		4,840	13,230
Other.....	1	8			9
Length, yards.....	400	2,760			3,160
Haul seines, common.....	68	80	4	36	188
Length, yards.....	12,936	7,904	875	9,680	31,395
Gill nets:					
Anchor.....		83			83
Square yards.....		58,560			58,560
Drift.....	401	1,315		29	1,745
Square yards.....	520,570	682,355		35,740	1,238,665
Runaround.....	3	31		4	38
Square yards.....	5,200	111,454		800	117,454
Stake.....	749	710		22	1,481
Square yards.....	126,288	270,951		2,520	399,759
Lines:					
Hand.....	21	130		2	153
Hooks.....	21	237		2	260
Trawl.....	1,033	395		1	1,429
Hooks.....	106,800	218,550		3,000	328,350
Troll.....		312			312
Hooks.....		312			312
Trot with baits or snoods.....		15		7	22
Baits or snoods.....		7,950		5,200	13,150
Trot with hooks.....	27	1			28
Hooks.....	3,875	150			4,025
Pound nets.....	132	193			325
Weirs.....		91			91
Stop nets.....		48		10	58
Square yards.....		45,475		555	46,030
Fyke nets, fish.....	622	731		95	1,448
Dip nets:					
Common.....	15	27		27	69
Drop.....		32			32
Drag nets	8				8
Yards at mouth.....	16				16
Otter trawls, fish.....	108	69		1	178
Yards at mouth.....	2,263	1,559		20	3,842
Traps, eel.....	77				77
Pots:					
Conch.....	240				240
Crab.....		10			10
Eel.....	1,439	1,747		175	3,361
Fish.....	3,550	12,697			16,247
Lobster.....	7,786	6,575		100	14,461
Harpoons.....	22				22
Spears.....	67	15			82
Dredges:					
Clam.....	29	71		14	114
Yards at mouth.....	28	77		16	121
Conch.....	8				8
Yards at mouth.....	8				8
Crab.....	10	79		14	103
Yards at mouth.....	19	104		19	142
Mussel.....	10				10
Yards at mouth.....	12				12
Oyster, common.....	98	164		14	276
Yards at mouth.....	112	204		17	333
Oyster, suction.....	1				1
Yards at mouth.....	2				2
Scallop.....	42				42
Yards at mouth.....	143				143
Tongs:					
Oyster.....	194	142		26	362
Other.....	1,149	384		3	1,536
Rakes:					
Oyster.....		8			8
Other.....	254	987			1,241
Forks.....	120				120
Hoes.....		117			117

Fisheries of the Middle Atlantic States, 1940—Continued

CATCH: BY STATES

Species	New York		New Jersey		Pennsylvania		Delaware		Total	
	Pounds	Value	Pounds	Value	Pounds	Value	Pounds	Value	Pounds	Value
FISH										
Alewives	61,600	\$1,145	34,700	\$575			124,400	\$1,421	220,700	\$3,141
Amberjack	35,100	1,053							35,100	1,053
Anchovies	5,700	114							5,700	114
Angelfish			400	4					400	4
Bluefish	25,500	4,036	104,800	8,421					130,300	12,457
Bonito	421,000	14,741	1,503,800	37,894					1,924,800	52,635
Butterfish	4,953,100	181,604	3,413,200	103,103					8,366,300	284,707
Cabio or crab eater			100	5					100	5
Carp	147,300	8,342	218,700	15,872	3,300	\$178	19,800	1,346	389,100	25,738
Catfish and bullheads	24,900	2,424	99,700	4,563			9,100	621	133,700	7,608
Cod	2,716,100	152,891	888,600	41,485			33,300	2,250	3,638,000	196,626
Crevalle			100	1					100	1
Croaker	402,300	12,071	4,367,200	75,694			410,700	9,040	5,180,200	96,805
Cunner	2,800	56							2,800	56
Cusk	100	2							100	2
Drum:										
Black			3,500	53					3,500	53
Red or redfish			3,000	59					3,000	59
Eels:										
Common	358,300	35,619	211,800	17,418			18,000	1,987	588,100	55,024
Conger	7,900	158	25,300	323					33,200	481
Flounders:										
Gray sole	26,500	1,273	4,100	66					30,600	1,339
Lemon sole	653,800	60,243							653,800	60,243
Yellowtail and dab	6,260,000	145,179	135,900	3,094					6,395,900	148,273
Blackback	1,798,300	91,433	104,900	3,465			5,600	448	1,908,800	95,346
Fluke	1,814,400	151,600	3,554,300	229,621			3,000	330	5,371,700	381,551
Unclassified	1,100	25							1,100	25
Frigate mackerel	11,100	330	60,600	606					71,700	936
Goosefish	13,400	536	8,400	63					21,800	599
Grayfish			51,800	1,009					51,800	1,009
Groupers			800	36					800	36
Haddock	7,742,000	323,294	700	16					7,742,700	323,310
Hake	184,900	5,357	110,600	2,136					295,500	7,493
Halibut	24,900	3,188							24,900	3,188
Herring, sea	36,200	724	1,888,600	15,619					1,924,800	16,343
Hickory shad			4,100	44					4,100	44
Kingfish or "king mackerel"			33,800	1,350					33,800	1,350
King whiting or "kingfish"	82,100	3,984	63,600	2,334					145,700	6,318
Mackerel	1,560,800	58,780	2,509,800	86,763					4,070,600	145,543
Menhaden	36,957,100	127,699	107,988,000	366,847			100,424,000	346,960	245,369,100	841,506
Mullet			1,700	51			21,600	452	23,300	503

Fisheries of the Middle Atlantic States, 1940—Continued

CATCH: BY STATES—Continued

Species	New York		New Jersey		Pennsylvania		Delaware		Total	
	Pounds	Value	Pounds	Value	Pounds	Value	Pounds	Value	Pounds	Value
FISH—continued										
Pike or pickerel.....	300	\$21							300	\$21
Pollock.....	188,100	3,895	5,600	\$134					193,700	4,029
Rosefish.....	64,000	994							64,000	994
Rudderfish.....			200	2					200	2
Sand perch.....			4,000	79					4,000	79
Scup.....	2,462,700	66,799	3,313,800	55,726					5,776,500	122,525
Sea bass.....	334,900	21,484	2,554,800	129,777					2,889,700	151,261
Sea robin.....	58,000	1,154	104,100	1,091					162,100	2,245
Shad.....	1,382,200	70,804	3,361,400	261,688	10,100	\$1,585	31,500	\$3,038	4,788,200	337,115
Sharks.....	11,200	143	19,800	329					31,000	472
Silversides.....	162,000	1,770							162,000	1,770
Skates.....	88,300	996	104,100	711					192,400	1,707
Snapper, red.....			10,000	800					10,000	800
Spanish mackerel.....			200	16					200	16
Spot.....	8,900	183	165,800	3,708			53,000	1,575	227,700	5,466
Squeteague or "sea trout", gray.....	1,507,900	84,714	2,983,400	89,215			300,100	12,873	4,791,400	186,802
Squirrel hake.....			301,100	2,269					301,100	2,269
Striped bass.....	168,600	20,459	171,800	27,402			41,300	5,951	381,700	53,812
Sturgeon.....	5,300	1,176	10,700	1,088					16,000	2,264
Suckers.....	12,700	468	19,500	615	9,600	610			41,800	1,693
Sunfish.....	1,100	36							1,100	36
Swellfish.....	19,500	935							19,500	935
Swordfish.....	92,200	18,561							92,200	18,561
Tautog.....	19,400	890	47,000	1,958			1,000	30	67,400	2,878
Thimble-eyed mackerel.....	298,300	4,495	339,000	3,644					637,300	8,139
Tilefish.....	583,500	35,013							583,500	35,013
Tomcod.....	2,000	98	100	2					2,100	100
Tuna.....	16,000	795	17,900	517					33,900	1,312
Whitebait.....	25,000	530							25,000	530
White perch.....	42,500	1,339	18,700	1,250			15,900	1,145	77,100	3,734
Whiting.....	2,501,000	45,195	5,887,000	63,099					8,388,000	108,294
Wolfish.....	8,600	193							8,600	193
Yellow perch.....	3,200	96	3,300	396			300	22	6,800	514
Total.....	76,395,700	1,771,137	146,843,200	1,664,106	23,000	2,373	101,512,600	389,489	324,774,600	3,827,105

SHELLFISH, ETC.

Crabs:										
Hard ¹	63,900	3,638	802,500	29,221		277,500	9,055	1,143,900	41,914	
King.....			1,524,000	3,826		180,000	315	1,704,000	4,141	
Soft and peelers.....	1,500	400	54,800	20,160		22,000	3,750	78,300	24,310	
Lobsters.....	191,100	48,113	401,900	81,047		1,200	420	594,200	129,580	
Shrimp.....			5,200	364				5,200	364	
Shrimp, sand.....	156,000	52,000						156,000	52,000	
Clams:										
Hard, public ²	2,171,400	391,510	2,150,200	308,504		24,000	3,075	4,345,600	703,089	
Hard, private ²	636,300	87,290	216,100	31,597		9,400	1,305	861,800	120,192	
Razor.....	1,200	36						1,200	36	
Soft public ³	436,900	36,495	780,400	47,357				1,217,300	83,852	
Surf or skimmer ⁴	660,000	30,370	573,400	24,801				1,233,400	55,171	
Conchs.....	237,200	9,610	33,500	648				270,700	10,258	
Mussels, sea.....	250,800	13,617						262,500	14,067	
Oysters, market: ⁵										
Public, spring.....	100,500	27,178	1,600	168		350,000	20,000	452,100	47,346	
Public, fall.....	165,500	46,447	200,800	23,451		350,000	20,000	716,300	89,898	
Private, spring.....	2,671,400	524,252	182,800	34,848				2,854,200	559,100	
Private, fall.....	4,129,800	805,191	5,556,600	653,143		274,200	27,227	9,960,600	1,485,561	
Scallops:										
Bay.....	19,300	8,345						19,300	8,345	
Sea ⁶	2,184,400	317,073	67,500	13,518				2,251,900	330,581	
Squid.....	1,470,700	31,002	1,149,400	19,825				2,620,100	50,827	
Turtles:										
Green.....			900	9				900	9	
Hawksbill.....			500	5				500	5	
Loggerhead.....	600	10	4,400	44				5,000	54	
Snapper.....	2,500	100	4,200	304		4,600	328	11,300	732	
Bloodworms.....	3,100	3,800						3,100	3,800	
Sandworms.....	8,900	8,610						8,900	8,610	
Total.....	15,563,000	2,445,087	13,710,700	1,292,840		1,504,600	85,925	30,778,300	3,823,852	
Grand total.....	91,958,700	4,216,224	160,553,900	2,956,946	23,000	2,373	103,017,200	475,414	355,552,800	7,650,957

¹ Statistics on hard crabs used in this table are based on weights of 4 pounds per dozen.

² Statistics on hard clams used in this table are based on yields of 8 pounds of meats per standard bushel in New York; 8.70 pounds in New Jersey; and 8.18 pounds in Delaware.

³ Statistics on soft clams used in this table are based on yields of 16 pounds of meats per standard bushel in New York, and 19.05 pounds in New Jersey.

⁴ Statistics on surf or skimmer clams used in this table are based on yields of 12 pounds of meats per standard bushel in New York, and 12.54 pounds in New Jersey.

⁵ Statistics on oysters used in this table are based on yields of 7.5 pounds of meats per standard bushel in New York; 6.65 pounds in New Jersey; and 6.68 pounds in Delaware.

⁶ Statistics on sea scallops used in this table are based on yields of 6 pounds of meats per standard bushel in New York, and 5.71 pounds in New Jersey.

NOTE.—Data on the yield of shellfish meats per bushel are based on United States Standard Bushel of 2150.4 cubic inches capacity. The above table includes the catch made by Middle Atlantic craft in the southern trawl fishery as well as other fisheries in the South Atlantic.

The seed oyster fishery in the Middle Atlantic States was carried on in New York, New Jersey, and Delaware. In New York, 59 fishermen using 7 motor vessels, 11 motor boats, 11 other boats, 14 dredges, and 24 tongs took 3,540 bushels of seed oysters valued at \$3,715 from public beds and 59,680 bushels valued at \$69,080 from private beds. All of the persons, craft, and gear engaged in taking seed oysters in New York were duplicated among those fishing for market oysters or other species. In New Jersey, 990 fishermen using 71 vessels, 12 sail vessels, 117 motor boats, 13 other boats, 166 dredges, 129 tongs, and 1 rake took 785,970 bushels of seed oysters, valued at \$313,945, from public beds. Of the total number of persons fishing for seed oysters in New Jersey, 932 were duplicated among those fishing for market oysters or other species. Similarly, the following craft and gear were duplicated: 48 motor vessels, 3 sail vessels, 81 motor boats, 9 other boats, 102 dredges and 100 tongs. In Delaware, 49 fishermen using 6 motor vessels, 1 sail vessel, and 14 dredges took 49,000 bushels of seed oysters valued at \$12,250 from public beds. All of the persons, craft, and gear engaged in taking seed oysters in Delaware were duplicated among those fishing for market oysters or other species.

Fisheries of the Middle Atlantic States, 1940—Continued

SUPPLEMENTARY TABLE SHOWING THE PRODUCTION OF CERTAIN SHELLFISH IN NUMBER AND BUSHELS

Product	New York		New Jersey		Delaware		Total	
	Quantity	Value	Quantity	Value	Quantity	Value	Quantity	Value
Crabs:								
Hard..... number	191,700	\$3,638	2,407,500	\$29,221	832,500	\$9,055	3,431,700	\$41,914
King..... do			381,000	3,826	45,000	315	426,000	4,141
Soft and peelers..... do	6,000	400	219,200	20,160	88,000	3,750	313,200	24,310
Clams:								
Hard, public..... bushels	271,425	391,510	247,149	308,504	2,934	3,075	521,508	703,089
Hard, private..... do	79,538	87,290	24,839	31,597	1,149	1,305	105,526	120,192
Razor..... do	40	36					40	26
Soft, public..... do	27,396	36,495	40,966	47,357			68,272	83,852
Surf or skimmer..... do	55,000	30,370	45,726	24,801			100,726	55,171
Conchs..... do	11,860	9,610	1,791	648			13,651	10,258
Mussels, sea..... do	25,080	13,617			945	450	26,025	14,067
Oysters, market:								
Public, spring..... do	13,400	27,178	211	168	52,395	20,000	66,036	47,346
Public, fall..... do	22,067	46,447	30,195	23,451	52,395	20,000	104,657	89,898
Private, spring..... do	356,187	524,252	27,489	34,848			383,676	559,100
Private, fall..... do	550,640	805,191	835,579	653,143	41,048	27,227	1,427,267	1,485,561
Scallops:								
Bay..... do	3,860	8,345					3,860	8,345
Sea..... do	364,067	317,073	11,821	13,518			375,888	330,591

Industries related to the fisheries of the Middle Atlantic States, 1940

OPERATING UNITS, SALARIES, AND WAGES

Item	New York	New Jersey	Pennsylvania	Delaware	Total
Transporting:					
Persons engaged:	<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>Number</i>
On vessels.....	150	17			167
On boats.....	16	32			48
Total.....	166	49			215
Vessels, motor.....	33	7			40
Net tonnage.....	693	103			796
Boats.....	5	27			32
Wholesale and manufacturing:					
Establishments.....	190	100	40	9	339
Persons engaged:					
Proprietors.....	74	73	38	7	192
Salaried employees.....	606	160	73	17	856
Wage earners:					
Average for season.....	2,401	1,732	301	398	4,832
Average for year.....	2,008	1,252	278	135	3,673
Paid to salaried employees.....	\$1,557,407	\$384,660	\$158,133	\$24,624	\$2,124,824
Paid to wage earners.....	\$2,961,344	\$1,210,856	\$352,829	\$86,701	\$4,611,730
Total salaries and wages.....	\$4,518,751	\$1,595,516	\$510,962	\$111,325	\$6,736,554
Fishermen manufacturing.....	214	73			287

Industries related to the fisheries of the Middle Atlantic States, 1940—Continued

PRODUCTS MANUFACTURED

Item	New York		New Jersey		Pennsylvania		Delaware	
	Quantity	Value	Quantity	Value	Quantity	Value	Quantity	Value
By manufacturing establishments:								
Buffalofish, smoked								
pounds.....	315,000	\$68,700						
Butterfish, smoked	do.....	290,700	65,350	\$22,172	(1)	(1)		
Carp, smoked	do.....	40,000	52,000	21,250	(1)	(1)		
Chubs, cisco, and tullibees, smoked	.....pounds.....	1,710,000	(1)	(1)	(1)	(1)		
Cod:								
Fresh fillets	do.....	1,645,700	429,000	54,600				
Smoked fillets	do.....	64,600		12,920				
Eels, smoked	do.....	100,000	(1)	(1)				
Flounders, fresh fillets								
pounds.....	2,845,500	390,120	398,000	64,852				
Haddock:								
Fresh fillets	do.....	1,844,200	1,703,600	241,188				
Smoked fillets	do.....	113,100	(1)	(1)	(1)	(1)		
Herring, sea:								
Smoked bloomers	do.....		(1)	(1)	480,000	\$72,000		
Kippered	do.....	63,000	11,600		(1)	(1)		
Lake trout, smoked	do.....	67,000	(1)	(1)	(1)	(1)		
Mackerel, smoked	do.....	49,000	(1)	(1)	(1)	(1)		
Paddlefish or spoonbill cat, smoked	.....pounds.....	125,000	53,850					
Salmon:								
Smoked	do.....	5,120,000	1,697,500	426,000	164,400	(1)	(1)	
Kippered	do.....	430,000	167,900	(1)	(1)	(1)		
Caviar, canned								
standard cases.....	3,426	52,767						
Shad, smoked	.....pounds.....	70,000	9,000			(1)	(1)	
Sturgeon:								
Smoked	do.....	417,000	322,250	(1)	(1)			
Caviar, canned								
standard cases.....	946	236,446						
Whitefish:								
Smoked	.....pounds.....	1,750,000	618,500	150,000	44,300	(1)	(1)	
Caviar, canned								
standard cases.....	721	21,377						
Clams, hard:								
Fresh-shucked	gallons.....				7,135	15,073		
Chowder, canned								
standard cases.....	(1)	(1)	272,382	981,710				
Marine-shell products:								
Buttons	.....gross.....	1,002,366	672,233	2,228,839	1,538,330	(1)	(1)	
Novelties	.....gross.....		172,187		82,950			
Oysters, fresh-shucked	gallons.....	249,450	523,625	655,958	1,160,788	88,779	174,731	44,000
Oyster-shell products:								
Poultry feed	.....tons.....	(1)	(1)	5,360	43,687			(1)
Lime	do.....	(1)	(1)	2,116	8,222			(1)
Crabs, king, meal	do.....			188	7,460			(1)
Whale products:								
Whale oil	gallons.....	2,381,869	881,292					
Sperm oil	do.....	119,552	49,016					

See footnotes at end of table.

Industries related to the fisheries of the Middle Atlantic States, 1940—Continued

PRODUCTS MANUFACTURED—Continued

Item	New York		New Jersey		Pennsylvania		Delaware	
	Quantity	Value	Quantity	Value	Quantity	Value	Quantity	Value
By manufacturing establishments—Continued.								
Unclassified products:								
Packaged, fillets, fresh pounds..	² 75,000	² 9,000						
Cured.....do.....	(³)	(³)	⁴ 1,428,900	⁴ 482,359	(⁵)	(⁵)		
Canned-standard cases..	⁶ 23,319	⁶ 247,615	(³)	(³)	(⁵)	(⁵)		
Byproducts.....		⁸ 392,419		⁷ 1,291,288		(⁵)		⁸ 636,409
Miscellaneous.....		⁹ 40,000		¹⁰ 17,223		¹¹ 842,376		
Total.....		7,785,516		6,226,779		1,104,180		699,209
By fishermen:								
Alewife, roe, salted pounds..			1,200	204				
Eels, smoked.....do.....	15,000	4,500						
Clams, surf, fresh-shucked gallons..			468,400	181,744				
Scallops, bay, fresh-shucked gallons..	2,193	6,579						
Scallops, sea, fresh-shucked gallons..	251,600	317,269	233	395				
Crabs, king, meal.....tons..			63	2,474				
Total.....		328,348		184,817				
Grand total.....		8,113,864		6,411,596		1,104,180		699,209

¹ This item has been included under "Unclassified products."

² Includes fresh fillets of hake, mackerel, and pollock.

³ This item has been included under "Miscellaneous."

⁴ Includes smoked chubs, cisco, tullibee, eels, haddock fillets, finnan haddie, sea herring bloaters, lake trout, mackerel, sturgeon, thimble-eyed mackerel, tuna, and whiting; dry-salted boneless cod; spiced sea, herring and kippered salmon.

⁵ Includes canned pickled eels and mussels, fish paste and terrapin, turtle, and hard clam products.

⁶ Includes halibut-liver oil, turtle oil, oyster-shell poultry feed and lime, mussel-shell pearl buttons, menhaden acid scrap and oil, and miscellaneous meal.

⁷ Includes mackerel-, shark-, and tuna-liver oils; king crab dry-scrap; and menhaden dry-scrap, meal, and oil.

⁸ Includes king crab meal; oyster-shell poultry feed and lime; and menhaden acid and dry-scrap, and oil.

⁹ Includes frozen fillets of cod and flounder; frozen halibut steaks; finnan haddie; and smoked "lingcod."

¹⁰ Includes fresh fillets of pollock and rosefish; fresh-shucked surf clams; and canned fish chowder, shellfish newberg, and hard and soft clam products.

¹¹ Includes smoked butterfish, carp, chubs, cisco, tullibees, haddock, haddock fillets, lake trout, mackerel, sablefish, salmon, shad and whitefish; kippered salmon and sea herring; marine-shell buttons; and miscellaneous meal and dry-scrap.

NOTE.—The total value of the manufactured products for the Middle Atlantic States was as follows: By manufacturing establishments, \$15,815,684, and by fishermen, \$513,165. Some of the above products may have been manufactured from fishery products imported from another State or a foreign country; therefore they cannot be correlated directly with the catch within the State. Of the total number of persons engaged on transporting craft, 160 have been included as fishermen and among the total number of persons engaged in the preparation of fishermen's prepared products, 273 have also been included as fishermen. This should be considered when computing the total number of persons in the fishery industries exclusive of duplication. The whale products shown above were manufactured on a floating factory ship operating in the Southern Hemisphere. For additional data on the whale fishery, the reader is referred to the section on "Whaling," p. 219.

NEW YORK

Fisheries of New York, 1940

OPERATING UNITS: BY GEAR

Item	Purse seines			Haul seines, common	Gill nets			Lines
	Mack-erel	Men-haden	Other		Drift	Run-around	Stake	Hand
Fishermen:	<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>Number</i>
On vessels.....	24	199	4		14	2	2	10
On boats and shore:								
Regular.....				56	44		23	6
Casual.....				110	272	4	237	4
Total.....	24	199	4	166	330	6	262	20
Vessels:								
Steam.....		2						
Net tonnage.....		372						
Motor.....	2	5	1		2	1	1	3
Net tonnage.....	111	400	12		31	8	10	25
Total vessels.....	2	7	1		2	1	1	3
Total net tonnage.....	111	772	12		31	8	10	25
Boats:								
Motor.....				12	13	2	4	10
Other.....				78	146		158	
Accessory boats.....	3	14						
Apparatus:								
Number.....	2	7	1	68	401	3	749	21
Length, yards.....	880	2,750	400	12,936				
Square yards.....					520,570	5,200	126,288	
Hooks.....								21

Item	Lines—Continued		Pound nets	Fyke nets	Dip nets, common	Drag nets	Otter trawls, fish	Traps, eel
	Trawl	Trot with hooks						
Fishermen:	<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>Number</i>
On vessels.....	47			2			322	
On boats and shore:								
Regular.....	34		90	13	3	8	64	11
Casual.....	6	27		78	12	24	6	5
Total.....	87	27	90	93	15	32	392	16
Vessels, motor.....	6			1			72	
Net tonnage.....	133			10			1,518	
Boats:								
Motor.....	20		5	3		8	36	4
Other.....		27	52	83	15			12
Accessory boats.....	26							
Apparatus:								
Number.....	1,033	27	132	622	15	8	108	77
Yards at mouth.....						16	2,263	
Hooks.....	106,800	3,875						

Fisheries of New York, 1940—Continued

OPERATING UNITS: BY GEAR—Continued

Item	Pots				Har- poons	Spears	Dredges		
	Conch	Eel	Fish	Lobster			Clam	Conch	Crab
Fishermen:	<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>Number</i>
On vessels.....				4	10		13	8	4
On boats and shore:									
Regular.....	6	5	23	32	7	16	20		6
Casual.....		56	4	37	5	51	1		
Total.....	6	61	27	73	22	67	34	8	10
Vessels, motor.....				2	10		5	4	2
Net tonnage.....				19	213		49	28	21
Boats:									
Motor.....	6	14	17	49	12	23	11		3
Other.....		46		13		35			
Accessory boats.....					10				
Apparatus:									
Number.....	240	1,439	3,550	7,786	22	67	29	8	10
Yards at mouth.....							28	8	19

Item	Dredges—Continued				Tongs		Rakes, other than for oysters	Forks	Total, exclu- sive of dupli- cation
	Mussel	Oyster, com- mon	Oyster, suction	Scallop	Oyster	Other			
Fishermen:	<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>Number</i>
On vessels.....	9	178	6	114	14	54			898
On boats and shore:									
Regular.....	4	18			125	836	184	15	1,121
Casual.....					55	259	70	105	1,073
Total.....	13	196	6	114	194	1,149	254	120	3,082
Vessels:									
Steam.....									2
Net tonnage.....									372
Motor.....	4	40	1	21	7	28			171
Net tonnage.....	73	990	123	506	52	191			3,742
Sail.....						1			1
Net tonnage.....						6			6
Total vessels.....	4	40	1	21	7	29			174
Total net tonnage.....	73	990	123	506	52	197			3,742
Boats:									
Motor.....	2	9			45	127			289
Other.....					135	940	194		1,398
Accessory boats.....									53
Apparatus:									
Number.....	10	98	1	42	194	1,149	254	120	
Yards at mouth.....	12	112	2	143					

Fisheries of New York, 1940—Continued

CATCH: BY GEAR

Species	Purse seines						Haul seines	
	Mackerel		Menhaden		Other			
	Pounds	Value	Pounds	Value	Pounds	Value	Pounds	Value
Alewives							7,400	\$116
Anchovies							5,700	114
Bluefish					500	\$90	3,800	504
Carp							113,900	6,248
Catfish and bullheads							1,500	141
Flounders, blackback							4,400	176
King whiting or "kingfish"							29,100	1,455
Mackerel	204,200	\$4,240			4,500	180		
Menhaden			36,816,000	\$127,005				
Scup							41,200	1,236
Shad							15,900	848
Silversides							162,000	1,770
Squeteague or "sea trout," gray					25,500	1,530	405,700	24,310
Striped bass							110,300	13,256
Sturgeon							500	100
Suckers							1,600	67
Sunfish							100	2
Swellfish							2,000	60
Whitbait							25,000	530
White perch							300	12
Yellow perch							100	3
Shrimp, sand							6,000	2,000
Total	204,200	4,240	36,816,000	127,005	30,500	1,800	936,500	52,938

Species	Gill nets						Lines	
	Drift		Runaround		Stake		Hand	
	Pounds	Value	Pounds	Value	Pounds	Value	Pounds	Value
Alewives	42,000	\$804			10,500	\$193		
Bluefish	8,000	1,760			600	132		
Carp	200	18			29,100	1,819		
Catfish and bullheads					300	30		
Cod							23,500	\$907
Haddock							100	4
Hake							400	8
Mackerel	265,700	10,898						
Pike or pickerel					300	21		
Pollock							23,000	523
Scup							1,600	56
Sea bass							45,400	2,796
Shad	865,400	44,382			416,400	21,473		
Squeteague or "sea trout," gray	13,000	910	14,600	\$830	4,500	365	3,800	456
Striped bass	200	24			42,700	5,038	5,800	916
Sturgeon	100	24			4,000	896		
Suckers					1,200	36		
White perch					36,400	1,122		
Wolfish							100	5
Yellow perch					3,000	81		
Total	1,194,600	58,820	14,600	830	549,000	31,206	103,700	5,671

Fisheries of New York, 1940—Continued

CATCH: BY GEAR—Continued

Species	Lines—Continued				Pound nets		Fyke nets	
	Trawl		Trot with hooks					
	Pounds	Value	Pounds	Value	Pounds	Value	Pounds	Value
Alewives							1,200	\$24
Amberjack					35,100	\$1,053		
Bluefish					12,600	1,550		
Bonito					421,000	14,741		
Butterfish					2,774,400	105,748		
Carp			200	\$20			3,900	237
Catfish and bullheads			2,700	269			20,400	1,984
Cod	681,300	\$41,532			5,800	348		
Croaker					41,200	1,236		
Eels:								
Common			1,500	111	7,000	700	1,900	145
Conger	1,900	38						
Flounders:								
Blackback					13,600	673	102,000	4,430
Fluke					99,300	10,709		
Frigate mackerel					11,100	330		
Haddock	2,500	82						
Hake	13,500	406			8,400	252		
Halibut	1,300	98						
Herring, sea					36,200	724		
King whiting or "kingfish"					43,000	2,125		
Mackerel					1,048,800	41,948		
Menhaden					141,100	694		
Pollock	9,800	205			11,500	230		
Scup					689,700	21,430		
Sea bass					57,000	3,866		
Sea robin					34,300	680		
Shad					84,400	4,100		
Sharks	4,000	50			5,900	59		
Skates	5,400	54			10,000	100		
Spot					8,500	175		
Squeteague or "sea trout", gray					964,700	51,505		
Striped bass					9,600	1,225		
Sturgeon					200	48		
Suckers							9,900	375
Sunfish							1,000	34
Swellfish					17,500	875		
Tautog					14,000	627		
Thimble-eyed mackerel					298,300	4,495		
Tilefish	582,700	34,965						
Tomcod							2,000	98
Tuna	900	45			15,100	750		
White perch							5,800	205
Whiting					595,900	15,895		
Wolfish	200	3						
Yellow perch							100	12
Squid					864,600	17,252		
Turtles:								
Loggerhead					600	10		
Snapper					2,500	100		
Total	1,303,500	77,478	4,400	400	8,382,900	306,246	148,200	7,544

Fisheries of New York, 1940—Continued

CATCH: BY GEAR—Continued

Species	Dip nets		Drag nets		Otter trawls	
	Pounds	Value	Pounds	Value	Pounds	Value
Alewives					500	\$8
Butterfish					2, 178, 700	75, 856
Cod					2, 005, 500	110, 104
Croaker					361, 100	10, 835
Cunner					2, 800	56
Cusk					100	2
Eels, conger					6, 000	120
Flounders:						
Gray sole					26, 500	1, 273
Lemon sole					663, 800	60, 243
Yellowtail and dab					6, 260, 000	145, 179
Blackback					1, 651, 300	84, 654
Fluke					1, 715, 100	140, 891
Other (unclassified)					1, 100	25
Goosefish					13, 400	536
Haddock					7, 739, 400	323, 208
Hake					162, 600	4, 691
Halibut					23, 600	3, 090
King whiting or "kingfish"					10, 000	404
Mackerel					37, 600	1, 514
Pollock					143, 800	2, 937
Rosefish					64, 000	994
Scup					1, 730, 200	44, 077
Sea bass					135, 100	8, 028
Sea robin					23, 700	474
Shad					100	1
Sharks					1, 300	34
Skates					72, 900	842
Spot					400	8
Squeteague or "sea trout," gray					76, 100	4, 808
Sturgeon					500	108
Tautog					5, 400	270
Tilefish					800	48
Whiting					1, 905, 100	29, 300
Wolfish					8, 300	185
Crabs:						
Hard	6, 500	\$240				
Soft and peelers	1, 500	400				
Lobsters					16, 800	3, 663
Shrimp, sand			150, 000	\$50, 000		
Conchs					20, 000	1, 000
Scallops:						
Bay					100	45
Sea					300	37
Squid					606, 100	13, 750
Total	8, 000	640	150, 000	50, 000	27, 660, 100	1, 073, 298

Species	Traps, eel		Pots		Harpoons		Spears	
	Pounds	Value	Pounds	Value	Pounds	Value	Pounds	Value
Eels, common	68, 700	\$7, 830	98, 700	\$8, 783			180, 500	\$18, 050
Flounders, blackback	27, 000	1, 500						
Sea bass			97, 400	6, 794				
Swordfish					92, 200	\$18, 561		
Crabs, hard	1, 200	300						
Lobsters			174, 300	44, 450				
Conchs			34, 200	1, 425				
Total	96, 900	9, 630	404, 600	61, 452	92, 200	18, 561	180, 500	18, 050

Fisheries of New York, 1940—Continued

CATCH: BY GEAR—Continued

Species	Dredges		Tongs		Rakes		Forks	
	Pounds	Value	Pounds	Value	Pounds	Value	Pounds	Value
Crabs, hard.....	56,200	\$3,098						
Clams:								
Hard, public.....			2,171,400	\$391,510				
Hard, private.....			636,300	87,290				
Razor.....			1,200	36				
Soft, public.....					436,900	\$36,495		
Surf.....	660,000	30,370						
Conchs.....	183,000	7,185						
Mussels, sea.....	198,700	10,622	52,100	2,995				
Oysters, market:								
Public, spring.....	44,000	13,200	56,500	13,978				
Public, fall.....	105,000	31,500	60,500	14,947				
Private, spring.....	2,610,200	510,586	61,200	13,666				
Private, fall.....	4,088,500	796,211	41,300	8,980				
Scallops:								
Bay.....			19,200	8,300				
Sea.....	2,184,100	317,036						
Bloodworms.....							3,100	\$3,800
Sandworms.....							8,900	8,610
Total.....	10,129,700	1,719,808	3,099,700	541,702	436,900	36,495	12,000	12,410

NEW JERSEY

Fisheries of New Jersey, 1940

OPERATING UNITS: BY GEAR

ITEM	Purse seines		Haul seines	Gill nets			
	Men-haden	Other		Anchor	Drift	Run-around	Stake
Fishermen:							
On vessels.....	Number 349	Number 105	Number	Number	Number 35	Number	Number 2
On boats and shore:							
Regular.....			11	29	102	46	144
Casual.....			185	3	70	19	146
Total.....	349	105	196	32	207	65	292
Vessels, motor.....	18	8			12		1
Net tonnage.....	605	212			110		7
Boats:							
Motor.....				15	65	31	24
Other.....			81		18		102
Accessory boats.....	53	5			5		
Apparatus:							
Number.....	18	8	80	83	1,315	31	710
Length, yards.....	5,640	2,760	7,904				
Square yards.....				58,560	682,355	111,454	270,951

Fisheries of New Jersey, 1940—Continued

OPERATING UNITS: BY GEAR—Continued

Item	Lines					Pound nets	Weirs
	Hand	Trawl	Troll	Trot with baits or snoods	Trot with hooks		
Fishermen:	<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>Number</i>
On vessels.....	10	14				253	
On boats and shore:							
Regular.....	46	139	49	10		109	3
Casual.....	20	9	44	6	1	24	12
Total.....	76	162	93	16	1	386	15
Vessels, motor.....	2	6				38	
Net tonnage.....	19	56				242	
Boats:							
Motor.....	33	68	76	15	1	22	3
Other.....	2					23	6
Accessory boats.....		4					
Apparatus:							
Number.....	130	395	312	15	1	193	91
Hooks, baits, or snoods.....	237	218, 550	312	7, 950	150		

Item	Stop nets	Fyke nets	Dip nets		Otter trawls	Pots	
			Com-mon	Drop		Crab	Eel
			<i>Number</i>	<i>Number</i>		<i>Number</i>	<i>Number</i>
Fishermen:					<i>Number</i>	<i>Number</i>	<i>Number</i>
On vessels.....					135		
On boats and shore:							
Regular.....	4	22	13		65	1	32
Casual.....	68	67	14	1	5		16
Total.....	72	89	27	1	205	1	48
Vessels, motor.....					36		
Net tonnage.....					692		
Boats:							
Motor.....	10	14	2		33	1	23
Other.....	29	40	22	1			7
Apparatus:							
Number.....	48	731	27	32	69	10	1, 747
Square yards.....	45, 475						
Yards at mouth.....					1, 559		

Item	Pots—Continued		Spears	Dredges			Tongs
	Fish	Lobster		Clam	Crab	Oyster	Oyster
Fishermen:	<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>Number</i>
On vessels.....				74	20	402	
On boats and shore:							
Regular.....	79	69	10	8	20	28	130
Casual.....		2	5	2	1	7	12
Total.....	79	71	15	84	41	437	142
Vessels:							
Motor.....				24	9	62	
Net tonnage.....				304	79	1, 340	
Sail.....				1		3	
Net tonnage.....				8		113	
Total vessels.....				25	9	65	
Total net tonnage.....				312	79	1, 453	
Boats:							
Motor.....	47	34		4	12	17	137
Other.....			13	2			4
Apparatus:							
Number.....	12, 697	6, 575	15	71	79	164	142
Yards at mouth.....				77	104	204	

Fisheries of New Jersey, 1940—Continued

OPERATING UNITS: BY GEAR—Continued

Item	Tongs— Continued	Rakes		Hoes	By hand		Total, exclusive of dupli- cation
	Other than for oyster	Oyster	Other		Oyster	Other	
	Number	Number	Number	Number	Number	Number	Number
Fishermen:							1,206
On vessels.....							
On boats and shore:							
Regular.....	255	8	463	83	118	116	1,289
Casual.....	129		524	34	68	68	1,312
Total.....	384	8	987	117	186	184	3,807
Vessels:							
Motor.....							175
Net tonnage.....							3,047
Sail.....							4
Net tonnage.....							121
Total vessels.....							179
Total net tonnage.....							3,168
Boats:							
Motor.....	255	3	340	6	9	8	1,002
Other.....	129	4	645	76	96	95	1,117
Accessory boats.....							67
Apparatus, number.....	384	8	987	117			

CATCH: BY GEAR

Species	Purse seines				Haul seines		Gill nets	
	Menhaden		Other				Anchor	
	Pounds	Value	Pounds	Value	Pounds	Value	Pounds	Value
Alewives.....					13,200	\$272		
Bluefish.....			22,500	\$2,053				
Bonito.....			26,700	496				
Butterfish.....			2,100	91			900	\$9
Carp.....					60,300	4,354		
Catfish and bullheads.....					24,000	773		
Cod.....			100	5				
Crevalle.....			100	1				
Croaker.....			103,200	1,220	9,200	370		
Eels:								
Common.....					8,900	920		
Conger.....			500	5				
Flounders:								
Blackback.....					2,500	120		
Fluke.....			13,000	887				
Frigate mackerel.....			2,100	21				
Hake.....			1,600	67				
Herring, sea.....			6,200	62				
King whiting or "kingfish".....			100	4				
Mackerel.....			16,200	524				
Menhaden.....	102,241,800	\$353,250						
Scup.....			480,600	5,926				
Sea bass.....			17,100	812				
Shad.....					72,400	6,892	50,000	7,100
Spot.....			500	9				
Squeteague or "sea trout,"								
gray.....			518,100	13,186	8,000	395		
Striped bass.....			60,900	6,210	17,600	3,248		
Suckers.....					19,400	611		
White perch.....					6,400	474		
Whiting.....			9,200	114				
Yellow perch.....					400	48		
Crabs:								
Hard.....					3,200	360		
Soft and peelers.....					9,400	2,963		
Squid.....			1,500	36				
Total.....	102,241,800	353,250	1,282,300	31,729	254,900	21,800	50,900	7,109

Fisheries of New Jersey, 1940—Continued

CATCH: BY GEAR—Continued

Species	Gill nets—Continued						Lines	
	Drift		Runaround		Stake		Hand	
	Pounds	Value	Pounds	Value	Pounds	Value	Pounds	Value
Alewives					4,000	\$40		
Bluefish	100	\$20	2,800	\$777			4,900	\$607
Bonito	1,300	55	1,500	45				
Butterfish	2,700	68						
Cabio or crab eater							100	5
Carp					5,000	400		
Catfish and bullheads					400	12		
Cod							17,800	859
Croaker	3,200	41	31,600	533			600	30
Eels, common							600	48
Flounders:								
Blackback					16,400	492		
Fluke							800	66
Grouper							800	36
Mackerel	1,119,700	35,618	13,900	564				
Menhaden	10,500	105						
Scup			30,200	533			32,800	1,424
Sea bass							179,600	10,181
Shad	90,900	8,816			1,951,200	140,805		
Sharks							500	14
Snapper, red							10,000	800
Spot	22,000	704	2,500	89				
Squeteague or "sea trout," gray	46,500	902	47,300	2,015			500	12
Striped bass	1,500	150	1,200	120	83,400	16,445	100	15
Tautog							16,200	1,078
White perch					5,600	232		
Total	1,298,400	45,979	131,000	4,676	2,066,000	158,426	265,300	15,175

Species	Lines—Continued							
	Trawl		Troll		Trot with baits or snoods		Trot with hooks	
	Pounds	Value	Pounds	Value	Pounds	Value	Pounds	Value
Bluefish			17,300	\$2,365				
Bonito			105,000	4,789				
Cod	829,100	\$38,688						
Eels, conger	200	2						
Flounders, fluke	2,500	276						
Kingfish or "king mackerel"			33,800	1,350				
Mackerel			65,500	3,072				
Squeteague or "sea trout," gray			800	36				
Striped bass			400	54				
Tuna			800	30				
Crabs, hard					187,000	\$7,928		
Turtles, snapper							1,000	\$50
Total	831,800	38,966	223,600	11,696	187,000	7,928	1,000	50

Fisheries of New Jersey, 1940—Continued

CATCH: BY GEAR—Continued

Species	Pound nets		Weirs		Stop nets		Fyke nets	
	Pounds	Value	Pounds	Value	Pounds	Value	Pounds	Value
Alewives							17,500	\$263
Angelfish	400	\$4						
Bluefish	57,100	2,585						
Bonito	1,361,300	32,509						
Butterfish	3,215,700	97,783						
Carp					153,400	\$11,118		
Catfish and bullheads					11,700	702	63,600	3,076
Cod	37,000	1,678						
Croaker	2,928,400	52,223						
Drum:								
Black	3,500	53						
Red or redfish	3,000	59						
Eels:								
Common	24,900	2,818					38,200	4,270
Conger	7,100	105						
Flounders:								
Blackback	35,500	1,107					48,400	1,683
Fluke	346,600	20,460						
Frigate mackerel	58,800	585						
Goosefish	8,400	63						
Grayfish	51,800	1,009						
Hake	30,100	474						
Herring, sea	1,880,600	15,521						
Hickory shad	4,400	44						
King whiting or "kingfish"	49,600	1,010						
Mackerel	1,276,000	46,005						
Menhaden	5,735,700	13,472						
Mullet	1,700	51						
Pollock	5,500	131						
Rudderfish	200	2						
Scup	1,120,500	19,162						
Sea bass	165,300	7,950						
Sea robin	67,000	970						
Shad	1,199,800	98,563						
Sharks	19,300	315						
Skates	83,900	610						
Spanish mackerel	100	12						
Spot	93,700	1,932						
Squeteague or "sea trout," gray	1,993,200	62,604						
Squirrel hake	284,200	2,048						
Striped bass	1,000	142					5,400	988
Sturgeon	9,400	950						
Suckers							100	4
Tautog	15,800	478						
Thimble-eyed mackerel	339,000	3,644						
Tuna	17,100	487						
White perch							6,700	544
Whiting	5,354,200	55,553						
Yellow perch							2,900	348
Crabs:								
Hard	6,400	116						
King or horseshoe	1,184,000	2,837	340,000	\$989				
Squid	1,108,100	19,063						
Turtles:								
Green	900	9						
Hawksbill	500	5						
Loggerhead	4,400	44						
Snapper					600	48	2,600	206
Total	30,228,800	568,199	340,000	989	165,700	11,868	185,400	11,382

Fisheries of New Jersey, 1940—Continued

CATCH: BY GEAR—Continued

Species	Dip nets				Otter trawls	
	Common		Drop			
	Pounds	Value	Pounds	Value	Pounds	Value
Bluefish					100	\$14
Butterfish					191,800	5,152
Cod					4,600	255
Croaker					1,291,000	21,271
Eels, conger					17,200	205
Flounders:						
Gray sole					4,100	66
Yellowtail and dab					135,900	3,094
Blackback					2,100	63
Fluke					3,191,400	207,932
Haddock					700	16
Hake					78,900	1,575
Herring, sea					1,800	28
King whiting or "kingfish"					13,000	420
Mackerel					18,500	980
Pollock					100	3
Sand perch					4,000	79
Scup					1,640,600	28,680
Sea bass					762,100	30,824
Sea robin					7,100	121
Shad					100	12
Skates					20,200	101
Spanish mackerel					100	4
Spot					47,100	974
Squeteague or "sea trout," gray					369,000	10,065
Squirrel hake					14,900	201
Striped bass					300	30
Sturgeon					1,300	138
Tautog					1,000	19
Tomcod					100	2
Whiting					523,300	7,429
Crabs:						
Hard	20,500	\$1,506	200	\$30		
Soft and peelers	42,400	16,447				
Lobsters					16,000	1,886
Shrimp					5,200	364
Conchs					33,500	648
Scallops, sea					67,500	13,518
Squid					39,800	726
Total	62,900	17,953	200	30	8,514,360	336,895

Species	Pots							
	Crab		Eel		Fish		Lobster	
	Pounds	Value	Pounds	Value	Pounds	Value	Pounds	Value
Eels:								
Common			135,500	\$8,892				
Conger					300	\$6		
Scup					100	1		
Sea bass					1,423,900	79,501	6,800	\$509
Squirrel hake					2,000	20		
Tautog					14,000	383		
Whiting					300	3		
Crabs:								
Hard	24,000	\$750						
Soft and peelers	3,000	750						
Lobsters					147,700	28,861	238,200	50,300
Total	27,000	1,500	135,500	8,892	1,588,300	108,775	245,000	50,809

Fisheries of New Jersey, 1940—Continued

CATCH: BY GEAR—Continued

Species	Spears		Dredges		Tongs	
	Pounds	Value	Pounds	Value	Pounds	Value
Eels, common	3,700	\$470				
Crabs, hard			551,000	\$18,235	2,200	\$86
Clams:						
Hard, public			340,000	33,138	897,100	115,911
Hard, private			69,800	9,927	138,400	20,470
Surf			573,400	24,801		
Oysters, market:						
Public, spring					700	50
Public, fall					199,800	23,332
Private, spring			104,800	20,609	71,200	13,014
Private, fall			5,442,200	633,030	89,800	16,438
Total	3,700	470	7,081,200	739,740	1,399,200	189,281

Species	Rakes		Hoes		By hand	
	Pounds	Value	Pounds	Value	Pounds	Value
Crabs, hard	8,000	\$230				
Clams:						
Hard, public	839,900	145,730			73,200	\$13,725
Hard, private	7,900	1,200				
Soft, public			780,400	\$47,357		
Oysters, market:						
Public, spring	900	118				
Public, fall	1,000	119				
Private, spring	4,000	625			2,800	600
Private, fall	14,000	1,875			10,600	1,800
Total	875,700	149,897	780,400	47,357	86,600	16,125

PENNSYLVANIA

Fisheries of Pennsylvania, 1940

OPERATING UNITS: BY GEAR		CATCH: BY GEAR			
Item	Haul seines	Species		Haul seines	
				Pounds	Value
Fishermen, on boats and shore, casual	Number 16	Carp	3,300	\$178	
Boats, other than motor	4	Shad	10,100	1,585	
Apparatus:		Suckers	9,600	610	
Number	4				
Length, yards	875	Total	23,000	2,373	

NOTE: The commercial fisheries of Pennsylvania are restricted to Bucks County.

DELAWARE

Fisheries of Delaware, 1940

OPERATING UNITS: BY GEAR

Item	Purse seines, menhaden	Haul seines, common	Gill nets			Lines	
			Drift	Run-around	Stake	Hand	Trawl
Fishermen:	<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>Number</i>
On vessels.....	488						
On boats and shore:							
Regular.....		2	4	2	2		2
Casual.....		137	37	7	4	2	
Total	488	139	41	9	6	2	2
Vessels:							
Steam.....	10						
Net tonnage.....	543						
Motor.....	10						
Net tonnage.....	680						
Total vessels	20						
Total net tonnage	1,223						
Boats:							
Motor.....		1	11	2	2	1	1
Other.....		37	9	2	2		
Accessory boats.....	60						
Apparatus:							
Number.....	20	36	29	4	22	2	1
Length, yards.....	4,840	9,680					
Square yards.....			35,740	800	2,520		
Hooks, baits, or snoods.....						2	3,000

Item	Lines—Continued	Stop nets	Fyke nets, fish	Dip nets, common	Otter trawls, fish	Pots	
	Trot with baits or snoods					Eel	Lobster
Fishermen, on boats and shore:	<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>Number</i>
Regular.....	8	6	13	27	2	9	6
Casual.....							
Total	8	6	13	27	2	9	6
Boats:							
Motor.....	1	1	2		1	5	3
Other.....	6	2	7	27			
Apparatus:							
Number.....	7	10	95	27	1	175	100
Square yards.....		555					
Yards at mouth.....					20		
Hooks, baits, or snoods.....	5,200						

Fisheries of Delaware, 1940—Continued

OPERATING UNITS: BY GEAR—Continued

Item	Dredges			Tongs		By hand, other than for oysters	Total, ex- clusive of duplica- tion
	Clam	Crab	Oyster	Oyster	Other		
Fishermen:	<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>Number</i>
On vessels	17	21	64				572
On boats and shore:							
Regular	5			1			8
Casual				25	3	25	252
Total	22	21	64	26	3	25	832
Vessels:							
Steam							10
Net tonnage							543
Motor	6	9	5				24
Net tonnage	102	108	98				879
Sail			2				12
Net tonnage			48				48
Total vessels	6	9	7				36
Total net tonnage	102	108	146				1,470
Boats:							
Motor	2						20
Other				26	3		114
Accessory boats							60
Apparatus:							
Number	14	14	14	26	3		
Yards at mouth	16	19	17				

CATCH: BY GEAR

Species	Purse seines		Haul seines		Gill nets			
					Drift		Runaround	
	<i>Pounds</i>	<i>Value</i>	<i>Pounds</i>	<i>Value</i>	<i>Pounds</i>	<i>Value</i>	<i>Pounds</i>	<i>Value</i>
Alwives			122,500	\$1,280				
Carp			14,600	1,022				
Catfish and bullheads			7,500	525				
Croaker			207,500	4,978	202,000	\$4,040		
Menhaden	100,424,000	\$346,960						
Mudlet			300	9	1,000	180	20,300	\$263
Shad			17,900	1,436	12,400	1,506		
Spot			32,600	657	20,400	918		
Spot-tail or "sea trout," gray			284,400	12,088	15,600	780		
Striped bass			23,800	3,806	6,000	720		
White perch			13,700	936				
Yellow perch			300	22				
Total	100,424,000	346,960	725,100	26,759	257,400	8,144	20,300	263

Species	Gill nets— continued		Lines					
	Stake		Hand		Trawl		Trot with balts or snoods	
	<i>Pounds</i>	<i>Value</i>	<i>Pounds</i>	<i>Value</i>	<i>Pounds</i>	<i>Value</i>	<i>Pounds</i>	<i>Value</i>
Coel					33,300	\$2,250		
Croaker			1,000	\$20				
Shad	1,280	\$96						
Striped bass	10,700	1,305						
Tautog			1,000	30				
White perch	300	20						
Crabs, hard							53,000	\$1,225
Total	12,280	1,421	2,000	50	33,300	2,260	53,000	1,225

Fisheries of Delaware, 1940—Continued

CATCH: BY GEAR—Continued

Species	Stop nets		Fyke nets		Dip nets		Otter trawls	
	Pounds	Value	Pounds	Value	Pounds	Value	Pounds	Value
Alewives.....			1,900	\$141				
Carp.....	4,200	\$254	1,000	70				
Catfish and bullheads.....			1,600	96				
Croaker.....			200	2				
Eels, common.....			10,800	1,252				
Flounders:								
Blackback.....			5,600	448				
Fluke.....							3,000	\$330
Squeteague or "sea trout," gray.....			100	5				
Striped bass.....			800	120				
White perch.....			1,900	189				
Crabs, soft and peelers.....					22,000	\$3,750		
Turtles, snapper.....			4,600	328				
Total.....	4,200	254	28,500	2,651	22,000	3,750	3,000	330

Species	Pots		Dredges		Tongs		By hand	
	Pounds	Value	Pounds	Value	Pounds	Value	Pounds	Value
Eels, common.....	7,200	\$735						
Crabs:								
Hard.....			224,500	\$7,830				
King.....							180,000	\$315
Lobsters.....	1,200	420						
Clams:								
Hard, public.....			24,000	3,075				
Hard, private.....			9,400	1,305				
Mussels, sea.....					11,700	\$450		
Oysters, market:								
Public, spring.....					350,000	20,000		
Public, fall.....					350,000	20,000		
Private, fall.....			274,200	27,227				
Total.....	8,400	1,155	532,100	39,437	711,700	40,450	180,000	315

SHAD FISHERY OF THE HUDSON RIVER

The shad fishery of the Hudson River in 1940 was prosecuted by 648 fishermen who used 2 motor boats, 312 other boats, 12 haul seines, 149 drift gill nets, and 435 stake gill nets. The total commercial catch amounted to 930,272 shad, having a weight of 3,114,400 pounds, and a value to the fishermen of \$182,777. This was a decrease of 5 percent in the number of shad but an increase of 11 percent in their value, as compared with 1939. The average price per pound received by the fishermen was about 6 cents, compared with a price of approximately 5 cents in 1939.

Stake gill nets accounted for 70 percent of the weight of shad taken; drift gill nets, 29 percent; and haul seines, 1 percent.

Statistics of the catch of shad in the Hudson River also are included in the catch data for New York and New Jersey.

Shad fishery of the Hudson River, 1940

Item	New York			New Jersey			Total		
OPERATING UNITS									
Fishermen:									
On boats and shore:	<i>Number</i>			<i>Number</i>			<i>Number</i>		
Regular.....	20			69			89		
Casual.....	466			93			559		
Total.....	486			162			648		
Boats:									
Motor.....	-----			2			2		
Other.....	255			57			312		
Apparatus:									
Haul seines.....	12			-----			12		
Length, yards.....	1,886			-----			1,886		
Gill nets:									
Drift.....	145			4			149		
S q u a r e									
yards.....	426,850			3,529			430,379		
Stake.....	380			55			435		
S q u a r e									
yards.....	103,176			129,632			232,808		
CATCH									
	<i>Num- ber</i>	<i>Pounds</i>	<i>Value</i>	<i>Num- ber</i>	<i>Pounds</i>	<i>Value</i>	<i>Num- ber</i>	<i>Pounds</i>	<i>Value</i>
Haul seines.....	4,970	15,900	\$848	4,970	15,900	\$848	4,970	15,900	\$848
Drift gill nets.....	270,390	865,400	44,382	11,941	49,700	\$2,794	282,331	915,100	47,176
Stake gill nets.....	130,446	416,400	21,473	512,525	1,767,000	113,280	642,971	2,183,400	134,753
Total.....	405,806	1,297,700	66,703	524,466	1,816,700	116,074	930,272	3,114,400	182,777

FISHERIES OF THE CHESAPEAKE BAY STATES (AREA XXIII) ⁵

The yield of the commercial fisheries of the Chesapeake Bay States (Maryland and Virginia) during 1940 amounted to 320,735,800 pounds, valued at \$7,456,447 to the fishermen, representing a decrease of 1 percent in volume but an increase of 4 percent in value as compared with the catch in the previous year. These fisheries gave employment to 14,269 fishermen, as compared with 14,718 in 1939.

There were 525 fishery wholesale and manufacturing establishments in the two States in 1940, as compared with 537 in 1939. In 1940 these establishments employed 12,331 persons, paid \$3,552,827 in salaries and wages, and produced manufactured products (canned, cured, packaged, and byproducts) valued at \$11,000,398. In 1939 the wholesale and manufacturing firms employed 12,367 persons, paid \$3,475,027 in salaries and wages, and produced manufactured products valued at \$10,683,748.

⁵ This number was given to this area by the North American Council on Fishery Investigations. It should be explained that there may be included under this area, craft whose principal fishing ports are in the area but at times fish elsewhere. Data on the operating units and catch of the fisheries of the Chesapeake Bay States have been taken largely from statistics collected by the State fishery agencies of Maryland and Virginia. Supplementary surveys, compilations, and analyses, have been made by agents of this Service in order that the figures may be presented in a manner comparable with those of other sections. It should be observed that the persons engaged, gear and craft employed, and the catch of the seed oyster fishery are not included among the statistics of the fishery for market oysters and other species but are shown in a footnote to the table showing the catch of the Chesapeake Bay States, p. 121. For a clearer understanding of the statistics published in this section, the reader is referred to the section on p. 220 of this document entitled "Statistical Survey Procedure."

Fisheries of the Chesapeake Bay States, 1940

SUMMARY OF CATCH

Product	Maryland*		Virginia		Total	
	Pounds	Value	Pounds	Value	Pounds	Value
Fish.....	14,347,600	\$424,518	222,736,100	\$2,203,116	237,083,700	\$2,627,634
Shellfish, etc.....	36,737,200	2,174,049	46,914,900	2,654,764	83,652,100	4,828,813
Total.....	51,084,800	2,598,567	269,651,000	4,857,880	320,735,800	7,456,447

OPERATING UNITS: BY STATES

Item	Maryland	Virginia	Total
Fishermen:	<i>Number</i>	<i>Number</i>	<i>Number</i>
On vessels.....	688	1,459	2,147
On boats and shore:			
Regular.....	3,002	4,085	7,087
Casual.....	2,291	2,744	5,035
Total.....	5,981	8,288	14,269
Vessels:			
Steam.....		16	16
Net tonnage.....		1,262	1,262
Motor.....	29	144	173
Net tonnage.....	266	2,457	2,723
Sail.....	129		129
Net tonnage.....	1,570		1,570
Total vessels.....	158	160	318
Total net tonnage.....	1,836	3,719	5,555
Boats:			
Motor.....	2,335	3,066	5,401
Other.....	1,439	3,015	4,454
Accessory boats.....	1	81	82
Apparatus:			
Purse seines:			
Menhaden.....		27	27
Length, yards.....		9,160	9,160
Other.....	1		1
Length, yards.....	300		300
Haul seines.....	138	135	273
Length, yards.....	32,360	62,162	94,522
Gill nets:			
Anchor.....	248		248
Square yards.....	44,236		44,236
Drift.....	236	346	582
Square yards.....	176,643	229,780	406,423
Stake.....	3,490	5,428	8,918
Square yards.....	304,988	209,746	514,734
Lines:			
Hand.....		75	75
Hooks.....		150	150
Trot with baits or snoods.....	1,695	1,269	2,964
Baits or snoods.....	986,350	678,150	1,664,500
Pound nets.....	469	1,626	2,095
Fyke nets:			
Crab.....		388	388
Fish.....	1,716	922	2,638
Dip nets.....	449	543	992
Otter trawls.....	16	23	39
Yards at mouth.....	350	639	989
Traps, crab.....	97		97
Pots:			
Crab.....	515	7,190	7,705
Eel.....	13,781	571	14,352
Fish.....	400		400
Scraps.....	448	72	520
Yards at mouth.....	448	72	520
Dredges:			
Crab.....		160	160
Yards at mouth.....		295	295
Oyster.....	374	92	466
Yards at mouth.....	414	141	555
Tongs:			
Oyster.....	4,059	2,302	6,361
Other.....	54	375	429
Rakes:			
Oyster.....		285	285
Other.....	35	323	358

Fisheries of the Chesapeake Bay States, 1940—Continued

CATCH: BY STATES

Species	Maryland		Virginia		Total	
	Pounds	Value	Pounds	Value	Pounds	Value
FISH						
Alewives.....	4, 678, 700	\$51, 647	11, 433, 300	\$110, 923	16, 112, 000	\$162, 570
Black bass.....	44, 400	4, 770			44, 400	4, 790
Bluefish.....	3, 700	446	15, 100	1, 481	18, 800	1, 927
Bonito.....	7, 400	230	161, 000	9, 612	168, 400	9, 842
Butterfish.....	315, 700	7, 962	3, 303, 300	55, 670	3, 619, 000	63, 632
Cabio or crab eater.....	1, 000	40	1, 500	75	2, 500	115
Carp.....	238, 000	10, 818	478, 200	15, 201	717, 100	26, 019
Catfish and bullheads.....	396, 600	13, 675	472, 000	19, 647	868, 600	33, 342
Cod.....	2, 500	25	4, 600	70	7, 100	95
Crappie.....	4, 200	134			4, 200	134
Croaker.....	3, 432, 100	54, 719	38, 292, 200	560, 262	41, 724, 300	614, 981
Cusk.....			100	2	100	2
Drum:						
Black.....	9, 000	102	36, 400	364	46, 300	466
Red or redfish.....	3, 100	74	66, 300	1, 954	69, 400	2, 028
Eels:						
Common.....	88, 600	6, 570	105, 600	9, 506	194, 200	16, 076
Conger.....	500	5	7, 000	75	7, 500	90
Flounders.....	444, 400	29, 289	1, 246, 600	63, 272	1, 691, 000	92, 581
Gizzard shad.....	62, 000	811	116, 600	2, 334	179, 500	3, 145
Haddock.....			11, 800	278	11, 800	278
Hake.....			102, 300	2, 224	102, 300	2, 224
Harvestfish or "starfish".....	8, 000	160	65, 400	916	73, 400	1, 076
Herring, sea.....			6, 700	77	6, 700	77
Hickory shad.....	21, 600	467	102, 900	2, 508	124, 500	2, 977
Hogchoker.....	3, 900	39			3, 900	39
King whiting or "kingfish".....	9, 100	268	128, 100	5, 252	137, 200	5, 520
Mackerel.....	34, 900	1, 188	556, 500	27, 046	591, 400	28, 234
Menhaden.....	104, 000	112	143, 122, 800	548, 389	143, 226, 800	548, 501
Mullet.....	17, 000	742	5, 800	223	22, 800	965
Pinfish.....			900	27	900	27
Pike or pickerel.....	29, 000	3, 994	100	15	29, 100	4, 009
Pollock.....			100	1	100	1
Rosefish.....			64, 000	799	64, 000	799
Sand perch.....	16, 100	873	6, 100	107	22, 200	980
Seup or porgy.....	323, 400	3, 410	3, 655, 300	61, 996	3, 978, 700	65, 406
Sea bass.....	96, 800	5, 942	538, 100	19, 217	634, 900	25, 239
Sea robin.....			10, 200	117	10, 200	117
Shad.....	445, 700	38, 638	2, 810, 800	316, 979	3, 256, 500	355, 617
Sharks.....	1, 500	34	9, 600	287	11, 100	321
Skates.....			4, 000	17	4, 000	17
Snapper, red.....			100	10	100	10
Spanish mackrel.....	400	40	44, 100	4, 397	44, 500	4, 437
Spot.....	141, 300	4, 380	2, 212, 000	46, 443	2, 353, 300	50, 823
Squeteagues or "sea trout":						
Gray.....	1, 367, 500	34, 123	12, 306, 100	228, 691	13, 673, 600	262, 814
Spotted.....	1, 000	122	93, 500	8, 959	94, 500	9, 081
Striped bass.....	1, 180, 100	110, 348	658, 700	64, 025	1, 838, 800	174, 373
Sturgeon.....	1, 100	128	12, 200	1, 555	13, 300	1, 683
Suckers.....	2, 400	92			2, 400	92
Sunfish.....	6, 200	140			6, 200	140
Swellfish.....	1, 200	28	6, 400	104	7, 600	132
Tautog.....	4, 000	45	1, 000	11	5, 000	56
Thimble-eyed mackerel.....			2, 500	50	2, 500	50
Tilefish.....			600	14	600	14
Tomcod.....	100	1	13, 700	138	13, 800	139
White perch.....	601, 000	26, 506	166, 400	6, 383	767, 400	32, 889
Whiting.....	6, 000	60	247, 400	3, 347	253, 400	3, 407
Yellow perch.....	189, 700	11, 279	30, 100	1, 946	219, 800	13, 225
Total	14, 347, 600	424, 518	222, 736, 100	2, 203, 116	237, 083, 700	2, 627, 634
SHELLFISH, ETC.						
Crabs:						
Hard.....	15, 031, 400	347, 255	23, 016, 500	489, 789	38, 047, 900	837, 044
Soft and peelers.....	1, 790, 700	162, 225	1, 977, 200	148, 286	3, 767, 900	310, 511
Lobsters.....			2, 200	337	2, 200	337
Clams: 1						
Hard, public.....	78, 900	17, 250	1, 704, 100	343, 460	1, 783, 000	360, 710
Hard, private.....			60, 000	9, 000	60, 000	9, 000
Conchs.....	1, 500	22	13, 700	342	15, 200	364
Mussels, sea.....			2, 212, 500	88, 500	2, 212, 500	88, 500

¹ Statistics on hard clams used in this table are based on yields of 6.14 pounds of meats per bushel in Maryland, and 5.73 pounds of meats in Virginia.

Fisheries of the Chesapeake Bay States, 1940—Continued

CATCH: BY STATES—Continued

Species	Maryland		Virginia		Total	
	Pounds	Value	Pounds	Value	Pounds	Value
SHELLFISH, ETC.—continued						
Oysters, market: ¹						
Public, spring.....	5, 400, 100	\$446, 226	2, 331, 900	\$194, 240	7, 732, 000	\$640, 466
Public, fall.....	13, 613, 700	1, 128, 216	2, 849, 700	255, 920	16, 463, 400	1, 384, 136
Private, spring.....	283, 000	28, 852	5, 272, 600	473, 988	5, 555, 600	502, 840
Private, fall.....	446, 400	41, 203	7, 259, 700	648, 602	7, 706, 100	689, 805
Squid.....	85, 800	888	214, 800	2, 300	300, 600	3, 188
Terrapin, diamond-back.....	5, 700	1, 912	-----	-----	5, 700	1, 912
Total.....	36, 737, 200	2, 174, 049	46, 914, 900	2, 654, 764	83, 652, 100	4, 828, 813
Grand total.....	51, 084, 800	2, 598, 567	269, 651, 000	4, 857, 880	320, 735, 800	7, 456, 447

¹ Statistics on market oysters used in this table are based on yields of 4.63 pounds of meats per bushel in Maryland, and 4.40 pounds of meats in Virginia.

NOTE.—Data on the yield of shellfish meats per bushel are based on U. S. Standard Bushels of 2,150.4 cubic inches capacity. Prior to 1938 yields were based on bushels of the size prescribed by individual State regulations. The catch of rosefish shown in the above table was made by a Virginia vessel operating off the New England States. The seed oyster fishery in the Chesapeake Bay States was prosecuted only in Virginia where 983 fishermen, using 19 motor vessels, 477 motor boats, 135 other boats, and 844 tongs, took 1,289,480 bushels of seed oysters, valued at \$239,540 from public beds. Of the total number of persons fishing for seed oysters, 677 are duplicated among those fishing for market oysters or other species. Similarly, the following craft and gear are duplicated: 7 motor vessels, 306 motor boats, 120 other boats, and 557 tongs.

SUPPLEMENTARY TABLE SHOWING THE PRODUCTION OF CERTAIN SHELLFISH IN NUMBER AND BUSHELS

Product	Maryland		Virginia		Total	
	Quantity	Value	Quantity	Value	Quantity	Value
Crabs:						
Hard.....number.....	45, 094, 200	\$347, 255	69, 049, 500	\$489, 789	114, 143, 700	\$837, 044
Soft and peelers.....do.....	7, 162, 800	162, 225	7, 908, 800	148, 286	15, 071, 600	310, 511
Clams:						
Hard, public.....bushels.....	12, 850	17, 250	297, 400	343, 460	310, 250	360, 710
Hard, private.....do.....	-----	-----	10, 471	9, 000	10, 471	9, 000
Conchs.....do.....	125	22	1, 142	342	1, 267	364
Mussels, sea.....do.....	-----	-----	309, 008	88, 500	309, 008	88, 500
Oysters, market:						
Public, spring.....do.....	1, 166, 328	446, 226	529, 977	194, 240	1, 696, 305	640, 466
Public, fall.....do.....	2, 940, 324	1, 128, 216	647, 659	255, 920	3, 587, 983	1, 384, 136
Private, spring.....do.....	61, 123	28, 852	1, 198, 318	473, 988	1, 259, 441	502, 840
Private, fall.....do.....	96, 415	41, 203	1, 649, 932	648, 602	1, 746, 347	689, 805

NOTE.—Bushels as shown above represent U. S. standard bushels of 2,150.4 cubic inches capacity. Prior to 1938, data on bushels of shellfish were based on bushel measures of the size prescribed by individual state regulations.

Industries related to the fisheries of the Chesapeake Bay States, 1940

OPERATING UNITS, SALARIES, AND WAGES

Item	Maryland	Virginia	Total
Transporting:	<i>Number</i>	<i>Number</i>	<i>Number</i>
Persons engaged.....	269	754	1, 023
Vessels, motor.....	135	409	544
Net tonnage.....	1, 869	3, 643	5, 512
Wholesale and manufacturing:			
Establishments.....	282	243	525
Persons engaged:			
Proprietors.....	245	263	508
Salaried employees.....	204	174	378
Wage earners:			
A verage for season.....	5, 507	5, 938	11, 445
A verage for year.....	2, 471	2, 079	4, 550
Paid to salaried employees.....	\$213, 890	\$281, 752	\$495, 642
Paid to wage earners.....	\$1, 747, 218	\$1, 309, 967	\$3, 057, 185
Total salaries and wages.....	\$1, 961, 108	\$1, 591, 719	\$3, 552, 827
Fishermen manufacturing.....	108	-----	108

Industries related to the fisheries of the Chesapeake Bay States, 1940—Con.

PRODUCTS MANUFACTURED

Item	Maryland		Virginia	
	Quantity	Value	Quantity	Value
By manufacturing establishments:				
Alewives:				
Salted:				
Corned	pounds	(¹)	2, 179, 300	\$53, 196
Corned with roe	do.		62, 700	3, 874
Pickled ²	do.	2, 406, 180	\$84, 371	2, 445, 350
Tight-pack cut	do.		280, 100	12, 698
Roe, canned	standard cases	6, 668	38, 653	12, 015
Dry scrap	tons		462	23, 275
Butterfish, smoked	pounds	79, 000	19, 750	
Chubs, cisco, and tullibees, smoked	do.	186, 000	58, 100	
Croaker, fresh fillets	do.		277, 500	30, 050
Eels, smoked	do.	23, 000	6, 625	
Flounders, fresh fillets	do.		74, 000	12, 170
Herring, sea, smoked	do.	48, 000	5, 600	
Menhaden:				
Dry scrap	tons		14, 421	566, 913
Oil	gallons		1, 295, 234	307, 965
Sea bass, fresh fillets	pounds		18, 000	2, 620
Squeteague, gray, fresh fillets	do.		200, 000	24, 350
Whitefish, smoked	do.	33, 500	11, 725	
Crabs, hard:				
Meat, packaged, fresh-cooked	do.	2, 050, 280	726, 339	1, 891, 237
Meal	tons	(¹)	(¹)	1, 485
Clams, hard, chowder, canned	standard cases	29, 036	80, 162	
Mussels, sea, steamed and shucked	pounds		901, 978	187, 354
Oysters:				
Fresh-shucked	gallons	2, 439, 138	2, 741, 365	2, 191, 988
Oyster-shell products:				
Poultry feed	tons	42, 480	218, 858	29, 471
Lime	do.	31, 624	55, 547	7, 363
Lime, burned	do.			27, 297
Unclassified products:				
Packaged, fresh fillets	pounds		25, 500	2, 920
Smoked	do.	4 249, 800	4 86, 400	
Canned	standard cases	4 165, 580	4 328, 120	4 5, 874
Dry scrap and meal	tons	(¹)	(¹)	7 1, 063
Miscellaneous			1, 309, 749	10, 553
Total				
		5, 771, 364		5, 229, 034
By fishermen:				
Alewives:				
Corned	pounds	5, 800	215	
Pickled	do.	80, 000	2, 400	
Eels, salted	do.	122, 620	10, 551	
Hogchoker, salted	do.	3, 000	140	
Total				
		211, 420	13, 306	
Grand total				
		5, 784, 670		5, 229, 034

¹ This item has been included under "Unclassified products, miscellaneous."² This item is usually an intermediate product and although included in the total may be shown in its final stage of processing in this or another State.³ Includes fresh fillets of haddock, hake, scup, sea robin, Spanish mackerel, swellfish and whiting.⁴ Includes smoked alewives, carp, sablefish, salmon, sturgeon and lake trout.⁵ Includes canned alewives, shad, shad roe, oysters, oyster soup, shrimp soup, fish and shellfish pastes, terrapin soup, and fish for cat and dog food.⁶ Includes canned alewives and hard crab meat.⁷ Includes menhaden and miscellaneous meal; and hard crab and miscellaneous dry scrap.⁸ Includes corned alewives, hard crab dry scrap and meal, and marine-shell buttons and novelties.⁹ Includes alewife oil and fresh-shucked hard clams.

NOTE.—The total value of manufactured products in the Chesapeake Bay States was as follows: By manufacturing establishments, \$11,000,398, and by fishermen, \$13,306. Some of the above products may have been imported from another State or a foreign country; therefore, they cannot be correlated directly with the catch within the State. Of the total number of persons engaged on transporting vessels, 967 have been included as fishermen, and among the total number of persons engaged in the preparation of fishermen's prepared products, all have been included as fishermen. This should be considered when computing the total number of persons in the fishery industries exclusive of duplication.

MARYLAND

Fisheries of Maryland, 1940

OPERATING UNITS: BY GEAR

Item	Purse seines	Haul seines	Gill nets			Lines, trot with baits or snoods	Pound nets
			Anchor	Drift	Stake		
Fishermen:	<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>Number</i>
On vessels	6						
On boats and shore:							
Regular		244	35	34	122	1,073	347
Casual		164	10	169	105	268	52
Total	6	408	45	203	227	1,341	399
Vessels, motor	1						
Net tonnage	7						
Boats:							
Motor		104	22	51	106	1,202	165
Other		126	12	83	74	127	186
Accessory boats	1						
Apparatus:							
Number	1	138	248	236	3,490	1,695	469
Length, yards	300	32,360					
Square yards			44,236	176,643	304,988		
Baits or snoods						986,350	

Item	Fyke nets	Dip nets	Otter trawls, fish	Traps, crab	Pots		
					Crab	Eel	Fish
Fishermen:	<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>Number</i>
On vessels			28				
On boats and shore:							
Regular	63	193	10	19	12	155	4
Casual	55	256			6	41	
Total	118	449	38	19	18	196	4
Vessels, motor			11				
Net tonnage			119				
Boats:							
Motor	46		5		12	130	2
Other	68	449		17	6	66	
Apparatus:							
Number	1,716	449	16	97	515	13,781	400
Yards at mouth			350				

Item	Scrapes	Dredges, oyster	Tongs		Rakes, other than for oysters	By hand, other than for oysters	Total, exclusive of duplication
			Oyster	Other			
Fishermen:	<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>Number</i>
On vessels		621	35				688
On boats and shore:							
Regular	221	133	2,726	33	3	22	3,002
Casual	3		1,298	21	32		2,291
Total	224	754	4,059	54	35	22	5,981
Vessels:							
Motor		6	12				29
Net tonnage		67	80				266
Sail		126	3				129
Net tonnage		1,552	18				1,570
Total vessels		132	15				158
Total net tonnage		1,619	98				1,836
Boats:							
Motor		44	1,794	20	6		2,335
Other	224	29	151	42	18		1,439
Accessory boats							1
Apparatus:							
Number	448	374	4,059	54	35		
Yards at mouth	448	414					

Fisheries of Maryland, 1940—Continued

CATCH: BY GEAR

Species	Purse seines		Haul seines		Gill nets					
					Anchor		Drift		Stake	
					Pounds	Value	Pounds	Value	Pounds	Value
Alewives			53,100	\$821	200	\$8	7,100	\$123	20,200	\$496
Black bass			28,600	3,200						
Bluefish			2,500	250						
Carp			183,900	8,554					4,600	258
Catfish and bullheads			112,800	4,100					2,100	91
Crappie			400	25						
Croaker			1,228,500	21,008			2,000	50	7,000	271
Eels, common			1,000	84						
Flounders			600	42					1,000	80
Gizzard shad			33,700	342	200	4	500	10	7,500	88
Hickory shad					200	4	100	2	1,500	71
Mullet			900	37					16,100	705
Pike or pickerel			9,200	1,238	300	45			300	43
Sand perch			16,100	873						
Shad			6,800	408	14,300	997	76,900	7,321	68,600	6,073
Spot			40,700	1,750					4,100	205
Squeteagues or "sea trout":										
Gray			22,400	1,274			500	50	2,900	215
Spotted			700	87						
Striped bass	5,800	\$561	226,500	22,829	50,400	4,648	137,100	12,695	385,000	33,263
Suckers			300	14						
Sunfish			900	18						
White perch			147,200	6,290	1,200	92	13,600	861	31,100	1,842
Yellow perch			20,600	1,385	200	12	200	20	6,600	394
Crabs, soft and peelers			34,500	5,293						
Total	5,800	561	2,171,900	79,922	67,000	5,810	238,000	21,132	558,600	44,095

Species	Trot with baits or snoods		Pound nets		Fyke nets		Dip nets	
	Pounds	Value	Pounds	Value	Pounds	Value	Pounds	Value
Alewives			4,590,900	\$50,062	7,200	\$137		
Black bass			5,200	520	10,600	1,070		
Bluefish			1,200	196				
Bonito			7,400	230				
Butterfish			309,000	7,799				
Cabio or crab eater			1,000	40				
Carp			35,700	1,342	14,700	664		
Catfish and bullheads			110,300	3,564	171,400	5,940		
Crappie					3,800	109		
Croaker			1,601,200	26,246	3,700	84		
Drum:								
Black			9,800	101				
Red or redfish			3,100	74				
Eels:								
Common			4,200	302	5,200	440		
Conger			500	5				
Flounders			26,200	1,538	1,500	70		
Gizzard shad			20,200	352	800	15		
Harvestfish or "starfish"			8,000	160				
Hickory shad			19,700	391				
Hogchoker			3,900	39				
King whiting or "kingfish"			2,700	135				
Mackerel			29,600	1,024				
Menhaden			104,000	112				
Pike or pickerel			1,200	182	18,000	2,486		
Scup or porgy			201,000	2,016				
Sea bass			2,100	107				
Shad			279,100	23,839				
Spanish mackerel			400	40				
Spot			78,300	2,126	200	11		
Squeteagues or "sea trout":								
Gray			1,259,700	30,952	100	7		
Spotted			300	35				
Striped bass			372,200	35,994	3,100	358		
Sturgeon			300	60				
Suckers					2,100	78		
Sunfish					5,300	122		
White perch			294,300	11,670	113,600	5,751		
Yellow perch			25,100	1,769	137,000	7,699		
Crabs:								
Hard	14,737,400	\$340,358						
Soft and peelers	170,600	17,291					291,100	\$36,077
Squid			83,000	860				
Total	14,908,000	357,649	9,490,800	203,882	498,300	25,041	291,100	36,077

Fisheries of Maryland, 1940—Continued

CATCH: BY GEAR—Continued

Species	Otter trawls		Traps, crab		Pots		Scraps	
	Pounds	Value	Pounds	Value	Pounds	Value	Pounds	Value
Butterfish.....	6,700	\$163						
Cod.....	2,500	25						
Croaker.....	589,700	7,060						
Drum, black.....	100	1						
Eels, common.....					78,200	\$5,744		
Flounders.....	415,100	27,559						
Hickory shad.....	100	1						
King whiting or "kingfish".....	6,400	133						
Mackerel.....	5,300	164						
Scup or porgy.....	122,400	1,394						
Sea bass.....	29,000	1,335			65,700	4,500		
Sharks.....	1,500	34						
Spot.....	18,000	288						
Squeteagues or "sea trout," gray.....	81,900	1,625						
Sturgeon.....	800	68						
Swellfish.....	1,200	28						
Tautog.....					4,000	45		
Tomcod.....	100	1						
Whiting.....	6,000	60						
Crabs:								
Hard.....			50,000	\$1,250	211,500	4,834	32,500	\$814
Soft and peckers.....			10,800	868			1,283,700	102,006
Conchs.....	1,500	22						
Squid.....	2,800	28						
Total	1,291,100	39,989	60,800	2,118	359,400	15,123	1,316,200	104,820

Species	Dredges		Tongs		Rakes		By hand	
	Pounds	Value	Pounds	Value	Pounds	Value	Pounds	Value
Clams, hard, public.....			59,500	\$13,000				
Oysters, market:					19,400	\$4,250		
Public, spring.....	609,600	\$56,160	4,700,500	300,065				
Public, fall.....	2,434,200	229,570	11,179,500	901,646				
Private, spring.....	179,800	16,652	103,200	12,200				
Private, fall.....	250,500	22,214	195,900	18,989				
Terrapin, diamond-back.....							5,700	\$1,912
Total	3,474,100	321,596	16,328,600	1,335,901	19,400	4,250	5,700	1,912

VIRGINIA

Fisheries of Virginia, 1940

OPERATING UNITS: BY GEAR

Item	Furse seines, menhaden	Haul seines	Gill nets		Lines		Pound nets
			Drift	Stake	Hand	Trot with baits or smoods	
Fishermen:							
On vessels.....	959						
On boats and shore:							
Regular.....		239	81	76	15	86	1,558
Casual.....		166	331	185	25	49	270
Total	959	405	412	261	40	1,271	1,828
Vessels:							
Steam.....	16						
Net tonnage.....	1,262						
Motor.....	11						
Net tonnage.....	614						
Total vessels	27						
Total net tonnage	1,876						
Boats:							
Motor.....		109	80	86	20	276	254
Other.....		157	228	135	1	250	365
Accessory boats	61						
Apparatus:							
Number.....	27	135	346	5,428	75	1,399	1,626
Length, yards.....	9,160	62,162					
Square yards.....			29,780	29,746			
Hooks, baits, or smoods.....					180	678,150	

Fisheries of Virginia, 1940—Continued

CATCH: BY GEAR

Species	Purse seines		Haul seines		Gill nets			
					Drift		Stake	
	Pounds	Value	Pounds	Value	Pounds	Value	Pounds	Value
Alewives			83,100	\$881	16,300	\$163	8,400	\$88
Bluefish			5,500	525				
Bonito			1,500	99				
Butterfish			6,600	100				
Carp			396,600	12,518	200	6	6,100	305
Catfish and bullheads			97,300	4,002	200	8	1,200	60
Croaker			4,497,000	63,200	705,700	8,985	400	8
Drum:								
Black			2,800	22				
Red or redfish			3,200	34				
Eels, common			100	8				
Flounders			25,400	1,318				
Gizzard shad			26,200	524			100	2
Hickory shad			7,100	150				
King whiting or "kingfish"			9,500	475				
Mackerel					351,200	17,560		
Menhaden	135,964,700	\$530,306						
Mullet			700	14	2,400	102		
Pike or pickerel			100	15				
Shad			11,900	1,428	130,800	14,888	190,200	22,147
Skates			1,000	2				
Spot			1,079,000	25,571	38,700	1,240		
Squeteagues or "sea trout":								
Gray			152,700	3,386	5,000	115		
Spotted			87,600	8,354				
Striped bass			148,900	13,782	4,900	490	149,400	14,970
White perch			12,300	577			5,900	259
Yellow perch			400	26				
Crabs, soft and peelers			500	60				
Total	135,964,700	530,306	6,662,000	137,071	1,255,400	43,557	361,700	37,839

Species	Lines				Pound nets		Fyke nets	
	Hand		Trot with baits or snoods					
	Pounds	Value	Pounds	Value	Pounds	Value	Pounds	Value
Alewives					11,263,200	\$109,218	57,300	\$573
Bluefish	2,000	\$200			7,500	744		
Bonito					159,500	9,513		
Butterfish					2,881,600	45,765		
Cabio or crab eater					1,500	75		
Carp					40,500	1,079	34,800	1,293
Catfish and bullheads					109,000	4,597	264,300	10,980
Croaker	12,000	360			24,865,600	338,870	125,900	2,466
Drum:								
Black	2,000	20			31,600	322		
Red or redfish	2,500	45			45,200	1,437		
Eels, common					48,700	5,504	11,500	897
Flounders	800	75			193,100	10,804	5,000	300
Gizzard shad					37,400	749	52,900	1,059
Harvestfish or "starfish"					65,400	916		
Hickory shad					95,400	2,348	300	8
King whiting or "kingfish"					26,700	1,263		
Mackerel					179,200	8,158		
Menhaden					7,158,100	18,083		
Mullet							2,700	107
Pigfish					700	21		
Sand perch					300	6		
Scup or porgy	5,800	174			420,800	10,180		
Sea bass	26,700	1,335			1,500	69		
Sea robin					2,000	20		
Shad					2,435,100	273,562	40,600	4,838
Sharks					4,700	130		
Skates					3,000	15		
Spanish mackerel	900	90			43,200	4,307		
Spot					782,200	15,091		

Fisheries of Virginia, 1940—Continued

CATCH: BY GEAR—Continued

Species	Lines				Pound nets		Fyke nets	
	Hand		Trot with baits or snoods		Pounds	Value	Pounds	Value
	Pounds	Value	Pounds	Value				
Squeteagues or "sea trout":								
Gray	42,500	\$2,500			10,344,600	\$167,129	7,300	\$146
Spotted					5,900	605		
Striped bass					311,300	30,347	44,200	4,436
Sturgeon					4,300	648		
Swellfish					4,000	43		
Thimble-eyed mackerel					2,500	50		
White perch					86,100	3,046	59,500	2,461
Yellow perch					1,500	120	28,200	1,800
Crabs:								
Hard			14,129,200	\$253,221	12,700	254	58,700	1,060
Soft and peelers			449,600	31,629			241,600	17,168
Squid					209,300	2,218		
Total	95,200	4,799	14,578,800	284,850	61,884,900	1,067,306	1,034,800	49,592

Species	Dip nets		Otter trawls		Pots		Scrapes	
	Pounds	Value	Pounds	Value	Pounds	Value	Pounds	Value
Bluefish			100	\$12				
Butterfish			415,100	9,805				
Cod			4,600	70				
Croaker			8,085,600	146,373				
Cusk			100	2				
Drum, red or redfish			15,400	438				
Eels:								
Common					45,300	\$3,097		
Conger			7,000	75				
Flounders			1,022,300	50,795				
Haddock			11,800	298				
Hake			102,300	2,224				
Herring, sea			6,700	77				
Hickory, shad			100	2				
King whiting or "kingfish"			91,900	3,514				
Mackerel			26,100	1,328				
Piefish			200	6				
Pollock			100	1				
Rosefish			64,000	799				
Sand perch			5,800	101				
Scup or porgy			3,228,700	51,642				
Sea bass			509,900	17,893				
Sea robin			8,200	97				
Shad			2,200	116				
Sharks			4,900	157				
Snapper, red			100	10				
Spot			312,100	4,541				
Squeteagues or "sea trout,"								
gray			1,754,000	55,415				
Sturgeon			7,900	907				
Swellfish			2,400	61				
Tautog			1,000	11				
Tilefish			600	14				
Tomcod			13,700	138				
White perch			2,600	40				
Whiting			247,400	3,347				
Crabs:								
Hard					5,038,000	89,856	243,500	\$4,335
Soft and peelers	434,700	\$39,771			61,200	4,386	567,100	39,697
Lobsters			2,200	337				
Conchs			13,700	342				
Squid			5,500	82				
Total	434,700	39,771	15,976,300	351,070	5,144,500	97,339	810,600	44,032

Fisheries of Virginia, 1940—Continued

CATCH: BY GEAR—Continued

Species	Dredges		Tongs		Rakes		By hand	
	Pounds	Value	Pounds	Value	Pounds	Value	Pounds	Value
Crabs:								
Hard.....	3, 534, 400	\$141, 063						
Soft and peelers.....							222, 500	\$15, 575
Clams:								
Hard, public.....			549, 000	\$105, 900	443, 200	\$82, 160	711, 900	155, 400
Hard, private.....			60, 000	9, 000				
Mussels, sea.....					1, 112, 500	44, 500	1, 100, 000	44, 000
Oysters, market:								
Public, spring.....			2, 228, 900	184, 338	45, 200	4, 351	57, 800	5, 551
Public, fall.....			2, 772, 200	249, 361	18, 400	1, 583	59, 100	4, 976
Private, spring.....	2, 750, 600	257, 545	1, 517, 000	126, 438	652, 500	57, 918	352, 500	32, 037
Private, fall.....	4, 136, 600	375, 738	1, 892, 600	165, 534	746, 200	64, 955	484, 300	42, 375
Total.....	10, 421, 600	774, 346	9, 019, 700	840, 571	3, 018, 000	255, 467	2, 988, 100	299, 964

SHAD AND ALEWIFE FISHERIES OF THE POTOMAC RIVER

The catch of shad in the Potomac River in 1940 amounted to 102,173 in number, 322,800 pounds in weight, and their total value to the fishermen was \$35,316. The catch of alewives for the same season amounted to 7,132,350 in number, with a total weight of 2,852,900 pounds, and a value to the fishermen of \$30,060. These figures show a decrease of 25 percent in weight and of 17 percent in the value of shad as compared with 1939, and a decrease of 11 percent in weight and 7 percent in the value of alewives.

Approximately 67 percent of the shad, in weight, were taken with pound nets, 32 percent with gill nets, and 1 percent with haul seines. Over 99 percent of the alewives were taken with pound nets, the remainder being taken with haul seines and gill nets.

Statistics of the catch of shad and alewives in the Potomac River are included in the catch data for Maryland and Virginia.

Shad and Alewife fisheries of the Potomac River, 1940

Item	Maryland			Virginia			Total		
	Number	Pounds	Value	Number	Pounds	Value	Number	Pounds	Value
Fishermen, on boats and shore:									
Regular.....	30			203			233		
Casual.....	66			113			179		
Total.....	96			316			412		
Boats:									
Motor.....	38			87			125		
Other.....	30			111			141		
Apparatus:									
Haul seines.....	5						5		
Length, yards.....	630						630		
Gill nets:									
Drift.....	7			12			19		
Square yards.....	11, 832			8, 200			20, 032		
Stake.....	1, 187			350			1, 537		
Square yards.....	90, 212			66, 120			156, 332		
Pound nets.....	28			224			252		
Shad caught:									
With haul seines.....	750	1, 800	\$108				750	1, 800	\$108
With drift gill nets.....	6, 834	19, 600	1, 674	4, 292	12, 500	\$1, 490	11, 126	32, 100	3, 164
With stake gill nets.....	10, 180	32, 400	2, 813	12, 725	40, 300	4, 158	22, 905	72, 700	7, 571
With pound nets.....	7, 159	21, 600	1, 951	60, 233	194, 600	22, 522	67, 392	216, 200	24, 473
Total.....	24, 923	75, 400	6, 546	77, 250	247, 400	28, 770	102, 173	322, 800	35, 316
Alewives caught:									
With haul seines.....	15, 500	6, 200	84				15, 500	6, 200	84
With stake gill nets.....	600	200	10				600	200	10
With pound nets.....	386, 500	154, 600	1, 740	6, 729, 750	2, 691, 900	28, 226	7, 112, 250	2, 846, 500	29, 966
Total.....	402, 600	161, 000	1, 834	6, 729, 750	2, 691, 900	28, 226	7, 132, 350	2, 852, 900	30, 060

TRADE IN FISHERY PRODUCTS IN WASHINGTON, D. C.

The municipal fish wharf and market in Washington, D. C., is located in the southwestern part of the city on an arm of the Potomac River. At the present time 15 firms have stalls in the market, 3 are located in the immediate vicinity of the market, and 2 have stalls in the market located at Fifth and K Streets, N. W. Altogether there are 20 firms that employ 153 persons who received \$168,508 in salaries and wages during 1940. These firms conduct mainly a wholesale business, although some retail trade is carried on.

The facilities for handling fish and oysters from boats and vessels that land at the wharf are good, but only a comparatively few shipments are brought into the city by water. In fall and winter considerable quantities of shell oysters are landed, but most of the oysters handled in Washington are shucked in Maryland and Virginia and brought in by truck.

FISHERIES OF THE SOUTH ATLANTIC AND GULF STATES

(South Atlantic, Area XXIV; Gulf area XXV)*

The yield of the commercial fisheries of the marine areas of the South Atlantic and Gulf States (North Carolina, South Carolina, Georgia, Florida, Alabama, Mississippi, Louisiana, and Texas) during 1940 amounted to 575,533,400 pounds, valued at \$14,644,895 to the fishermen; representing a decrease of 8 percent in quantity but an increase of 5 percent in value as compared with the catch of the previous year. These fisheries provided employment for 27,941 fishermen as compared with 30,136 in 1939.

There were 776 fishery wholesale and manufacturing establishments in these States in 1940, as compared with 773 in 1939. In 1940 these establishments employed 18,926 persons, paid \$3,814,342 in salaries and wages, and produced manufactured products (canned, cured, packaged and byproducts) valued at \$13,838,590. In 1939 the wholesale and manufacturing firms employed 18,420 persons, paid \$3,481,563 in salaries and wages, and produced manufactured products valued at \$13,996,722.

Fisheries of the South Atlantic and Gulf States, 1940

SUMMARY OF CATCH

Product	North Carolina		South Carolina		Georgia	
	Pounds	Value	Pounds	Value	Pounds	Value
Fish	160,876,100	\$1,515,740	1,311,400	\$56,348	722,300	\$43,419
Shellfish, etc.	9,704,900	348,874	9,134,500	230,460	11,969,600	237,211
Total	170,581,000	1,864,614	9,445,900	286,808	12,671,700	280,630

Product	Florida		Alabama		Mississippi	
	Pounds	Value	Pounds	Value	Pounds	Value
Fish	170,769,000	\$3,685,397	4,662,300	\$250,737	26,677,000	\$88,646
Shellfish, etc.	16,722,300	1,519,230	6,962,000	311,174	12,324,600	\$24,666
Total	187,491,300	5,204,627	11,344,300	561,911	39,001,600	113,312

* These numbers were given to the areas by the North American Council on Fishery Investigations. The catch of the Mississippi River and tributaries is not included in this section.

Fisheries of the South Atlantic and Gulf States, 1940—Continued

SUMMARY OF CATCH—Continued

Product	Louisiana		Texas		Total	
	Pounds	Value	Pounds	Value	Pounds	Value
Fish.....	914, 100	\$65, 314	3, 036, 900	\$286, 958	367, 770, 900	\$5, 802, 553
Shellfish, etc.....	125, 712, 700	4, 886, 179	16, 332, 300	705, 739	207, 762, 500	8, 842, 342
Total.....	126, 626, 800	4, 951, 493	19, 369, 200	992, 697	575, 533, 400	14, 644, 895

OPERATING UNITS: BY STATES

Item	North Carolina	South Carolina	Georgia	Florida	Alabama	Mississippi	Louisiana	Texas	Total
Fishermen:									
On vessels.....	Number 883	Number 107	Number 246	Number 1, 166	Number 165	Number 952	Number 764	Number 239	Number 4, 522
On boats and shore:									
Regular.....	4, 488	634	469	5, 431	747	880	3, 702	1, 009	17, 360
Casual.....	1, 742	600	463	2, 305	222	45	392	290	6, 059
Total.....	7, 113	1, 341	1, 178	8, 902	1, 134	1, 877	4, 858	1, 538	27, 941
Vessels:									
Motor.....	137	35	77	199	41	243	288	69	1, 089
Net tonnage.....	1, 600	301	575	3, 505	517	2, 962	2, 449	715	12, 624
Sail.....	47			4		5			56
Net tonnage.....	428			49		61			538
Total vessels.....	184	35	77	203	41	248	288	69	1, 145
Total net tonnage.....	2, 028	301	575	3, 554	517	3, 023	2, 449	715	13, 162
Boats:									
Motor.....	1, 514	114	159	2, 597	379	389	1, 490	475	7, 117
Other.....	1, 433	600	497	2, 967	534	238	1, 173	185	7, 627
Accessory boats.....	251		2	40		12			305
Apparatus:									
Purse seines, menhaden.....	30		1	15		6			52
Length, yards.....	7, 290		350	4, 290		2, 280			14, 210
Haul seines:									
Common.....	277	36	4	210	5		17		549
Length, yards.....	54, 275	8, 975	400	143, 840	3, 040		6, 820		217, 350
Long.....	92			13					105
Length, yards.....	91, 000			11, 600					102, 600
Gill nets:									
Anchor.....	1, 130	88	20	13					1, 251
Square yards.....	682, 075	42, 240	1, 000	13, 900					739, 215
Drift.....	165	40	92	49					346
Square yards.....	148, 600	45, 800	38, 730	77, 500					310, 630
Runaround.....	515	38	33	2, 296				57	2, 939
Square yards.....	570, 690	15, 990	24, 000	1, 869, 820				13, 427	2, 493, 927
Stake.....	2, 548	30	103	5				195	2, 881
Square yards.....	173, 525	15, 000	14, 790	5, 000				45, 228	253, 543
Trammel nets.....				457	141	32	9	41	680
Square yards.....				388, 350	74, 600	17, 200	2, 360	21, 482	503, 992
Lines:									
Hand.....	128	73		3, 367	119	49	139	198	4, 073
Hooks.....	128	115		5, 347	198	61	155	324	6, 328
Trawl.....				26					26
Hooks.....				6, 300					6, 300
Troll.....	10			1, 490				1	1, 501
Hooks.....	10			1, 555				1	1, 566
Trot with baits or snoods.....	808	278	267	199	126	99	756	19	2, 552
Baits or snoods.....	579, 250	137, 500	120, 850	91, 000	56, 700	62, 700	222, 430	4, 060	1, 274, 490
Trot with hooks.....	18		34	204	62			23	341
Hooks.....	1, 215		3, 800	78, 500	17, 104			5, 950	106, 569
Pound nets.....	2, 173								2, 173
Fyke nets.....	193			45	100				338
Dip nets:									
Common.....	514			129		2	34	40	719
Drop.....	18					96	7, 050		7, 164
Cast nets.....		20		121		15	38	2	196
Other trawls:									
Fish.....	6		1						7
Yards at mouth.....	90		18						108
Shrimp.....	211	54	201	227	175	488	1, 399	407	3, 162
Yards at mouth.....	3, 406	1, 209	4, 619	4, 022	2, 712	7, 617	20, 345	6, 419	50, 349

Fisheries of the South Atlantic and Gulf States, 1940—Continued

OPERATING UNITS: BY STATES—Continued

Item	North Carolina	South Carolina	Georgia	Florida	Alabama	Mississippi	Louisiana	Texas	Total
Apparatus—Continued.	Number	Number	Number	Number	Number	Number	Number	Number	Number
Traps, brush							34,600		34,600
Pots:									
Sea crawfish				8,900					8,900
Crab			970	7,583			400	540	9,473
Eel	695			20					715
Fish	10	100	30	10,110	290				10,540
Spears	236	56		145	46	28		108	619
Dredges:									
Clam				6					6
Yards at mouth				4					4
Oyster, common	180			3	14	305	80	86	668
Yards at mouth	180			5	14	305	80	86	670
Scallop				72					72
Yards at mouth				70					70
Tongs, oyster	61	26	22	322	479	277	565	125	1,877
Rakes, other than for oysters	703			31					734
Grabs		344	62						406
Coquina scoops				4					4
Hooks:									
Sponge				177					177
Other				26					26
Diving outfits				67					67

CATCH: BY STATES

Species	North Carolina		South Carolina		Georgia	
	Pounds	Value	Pounds	Value	Pounds	Value
FISH						
Alewives	8,707,900	\$108,856				
Bluefish	447,900	35,844	4,000	\$280		
Bonito	35,900	1,077				
Bowfin	300	6				
Butterfish	41,200	2,639				
Carp	438,000	19,662				
Catfish and bullheads	1,317,500	46,116	15,000	900	37,000	\$1,480
Crocodile	500	13				
Croaker	4,310,400	86,208			6,900	170
Drum:						
Black	88,400	2,652	33,500	1,174	8,000	320
Red or redfish	131,400	3,412	85,000	5,100	12,000	480
Eels, common	78,100	3,905			1,000	50
Flounders	498,200	34,814	74,500	5,588	36,500	2,004
Gizzard shad	11,600	409				
Groupers			2,000	80		
Harvestfish or "starfish"	434,500	12,735				
Hickory shad	335,900	11,768	17,800	447	12,600	504
King whiting or "kingfish"	683,400	20,502	78,500	1,660	164,000	4,325
Menhaden	129,591,900	485,164			234,500	657
Mullet	2,095,600	83,836	489,500	14,685	22,000	440
Pigfish	78,100	2,343				
Pike or pickerel	300	8				
Pinfish or sailors choice	18,500	278				
Pompano	11,500	1,150				
Scup or porgy	200	4				
Sea bass	306,200	13,784	107,200	5,350		
Sea catfish	2,500	113	3,000	90		
Shad	800,700	119,505	49,900	10,978	150,100	30,020
Sheepshead, salt-water	13,300	532	1,500	38	1,000	50
Spanish mackerel	141,100	8,466				
Spot	4,801,300	72,032	302,200	6,044	2,000	40
Squeteagues or "sea trout":						
Gray	3,628,500	181,645	2,000	100		
Spotted	1,158,400	92,672	42,400	3,392	30,000	2,400
Striped bass	539,900	59,389				
Sturgeon	600	72	3,400	442	4,700	470
Suckers	3,200	64				
White perch	108,200	3,795				
Yellow perch	9,000	270				
Total	160,876,100	1,515,740	1,311,400	56,348	722,300	43,419

Fisheries of the South Atlantic and Gulf States, 1940—Continued

CATCH: BY STATES—Continued

Species	North Carolina		South Carolina		Georgia	
	Pounds	Value	Pounds	Value	Pounds	Value
SHELLFISH, ETC.						
Crabs:						
Hard ¹	4,007,800	\$79,957	4,139,900	\$72,448	2,347,500	\$41,085
Soft and peelers.....	286,000	42,900	5,000	325		
Shrimp.....	4,156,500	124,695	1,784,000	54,687	9,335,500	280,788
Clams:						
Hard, public ²	530,200	45,067	2,900	203		
Octopus.....	200	10				
Oysters, market: ³						
Public, spring.....	387,900	25,228				
Public, fall.....	302,500	27,332				
Private, spring.....			1,312,900	49,891	151,700	8,704
Private, fall.....			889,800	31,926	113,100	6,474
Scallops, bay.....	33,800	3,685				
Terrapin, diamond-back.....					1,600	160
Total.....	9,704,900	348,874	8,134,500	209,480	11,949,400	337,211
Grand total.....	170,581,000	1,864,614	9,445,900	265,828	12,671,700	380,630

Species	Florida		Alabama		Mississippi	
	Pounds	Value	Pounds	Value	Pounds	Value
FISH						
Alewives.....	408,000	\$2,040				
Amberjack.....	9,600	185				
Angelfish.....	2,100	53				
Barracuda.....	200	4				
Bluefish.....	1,962,700	140,729	23,800	\$1,313		
Bluereunner or hardtail.....	776,700	11,705	4,000	178		
Buffalofish.....			58,500	2,634		
Butterfish.....	19,900	401				
Cabio or crab eater.....	1,400	42				
Catfish and bullheads.....	5,051,200	146,437	65,500	4,784		
Cigarfish.....	6,400	142				
Crappie.....	741,900	23,857				
Crevalle.....	236,000	3,322	2,100	42		
Croaker.....	40,500	921	16,200	409	3,800	\$152
Drum:						
Black.....	129,700	3,887	800	37	13,500	675
Red or redfish.....	833,100	35,356	27,100	1,844	55,200	4,412
Eels, common.....	2,900	87				
Flounders.....	223,100	13,526	83,600	8,497	37,900	3,790
Groupers.....	4,810,600	190,829	264,700	9,785	18,100	905
Grunts.....	23,500	677				
Hickory shad.....	5,200	123				
Jewfish.....	114,100	3,279				
Kingfish or "king mackerel".....	3,476,800	155,788				
King whiting or "kingfish".....	401,400	11,727	400	12	7,000	280
Menhaden.....	95,055,500	267,289			29,194,900	70,092
Mojarra.....	394,900	6,688				
Mullet.....	31,877,100	1,188,185	2,396,400	83,876	171,700	6,582
Muttonfish.....	404,000	23,098				
Paddlefish or "spoonbill cat".....			11,600	858		
Permit.....	22,000	440				
Pigfish.....	9,200	200				
Pinfish or sailors choice.....	111,600	2,308				
Pompano.....	546,300	135,072	300	57	700	140
Scup or porgy.....	92,500	3,025				
Sea bass.....	7,400	526				
Sea catfish.....	271,700	4,896	2,800	56		
Shad.....	343,700	29,026				
Sharks.....	4,260,000	25,200				
Sheepshead:						
Fresh-water.....			2,800	94	14,900	745
Salt-water.....	560,400	16,164	11,500	541		
Snappers:						
Lane.....	10,000	500				
Mangrove.....	204,900	9,359				
Red.....	3,904,700	335,648	1,255,400	111,736	26,200	2,620
Snook or sergeantfish.....	462,000	23,951				
Spadefish.....	6,000	240				
Spanish mackerel.....	6,236,100	306,747	62,700	4,452	3,300	236
Spot.....	325,200	7,241	4,600	116		
Squeteagues or "sea trout":						
Spotted.....	3,904,800	277,176	165,200	19,328	46,800	4,680
White.....	78,500	3,234	2,200	80	83,900	3,356

See footnotes at end of table.

Fisheries of the South Atlantic and Gulf States, 1940—Continued

CATCH: BY STATES—Continued

Species	Florida		Alabama		Mississippi	
	Pounds	Value	Pounds	Value \$8	Pounds	Value
FISH—continued						
Sturgeon.....	2, 800	\$220	100			
Sunfish.....	2, 104, 800	63, 144				
Tenpounder.....	227, 100	5, 052				
Triggerfish.....	5, 000	184				
Tripletail.....	3, 100	124				
Yellowtail.....	59, 800	5, 338				
Total.....	170, 764, 900	3, 485, 312	4, 462, 300	250, 737	25, 677, 400	\$98, 645
SHELLFISH, ETC.						
Crabs:						
Hard ¹	5, 642, 600	102, 725	1, 380, 700	27, 614	1, 488, 300	26, 125
Soft and peelers.....	500	125			400	100
Stone.....	62, 300	12, 560				
Sea crawfish or spiny lobster:						
.....	463, 500	31, 501				
Shrimp:						
.....	8, 368, 500	320, 257	4, 565, 300	182, 409	8, 565, 600	351, 083
Clams:						
Coquina.....	15, 000	272				
Hard, public ²	707, 800	67, 368				
Conchs:						
.....	25, 000	1, 000				
Octopus:						
.....	300	24				
Oysters, market:³						
Public, spring.....	264, 700	19, 186	597, 000	63, 450	1, 960, 000	123, 117
Public, fall.....	444, 100	30, 631	275, 000	30, 407	310, 100	24, 040
Private, spring.....	75, 300	5, 161	32, 700	3, 727		
Private, fall.....	93, 200	6, 420	31, 300	3, 567		
Scallops, bay:						
.....	128, 400	17, 497				
Turtles:						
Green.....	41, 600	4, 546				
Soft-shell.....	146, 600	2, 204				
Sponges:						
Grass.....	13, 500	12, 760				
Sheepswool.....	223, 000	866, 863				
Yellow.....	6, 400	8, 630				
Total.....	16, 722, 300	1, 519, 220	6, 882, 000	311, 174	12, 324, 400	524, 465
Grand total.....	187, 492, 200	5, 004, 612	11, 344, 300	561, 911	38, 002, 300	623, 110

Species	Louisiana		Texas		Total	
	Pounds	Value	Pounds	Value	Pounds	Value
FISH						
Alewives.....					9, 115, 900	\$110, 896
Amberjack.....					9, 600	185
Angelfish.....					2, 100	53
Barracuda.....					200	4
Bluefish.....					2, 438, 400	178, 166
Blue runner or hardtail.....					780, 700	11, 883
Bonito.....					35, 900	1, 077
Bowfin.....					300	6
Buffalofish.....					58, 500	2, 634
Butterfish.....					64, 100	3, 040
Cabio or crab eater.....					1, 400	42
Carp.....					438, 000	19, 662
Catfish and bullheads.....					6, 486, 200	199, 717
Cigarfish.....					6, 400	142
Crappie.....					741, 900	23, 857
Crevalle.....			100	\$8	238, 700	3, 385
Croaker.....	33, 400	\$1, 334	10, 200	431	4, 421, 400	89, 634
Dolphin.....	200	14			200	14
Drum:						
Black.....	92, 300	4, 615	491, 700	24, 585	857, 900	37, 945
Red or redfish.....	182, 900	18, 180	265, 100	29, 261	1, 594, 800	98, 045
Eels, common:						
.....					82, 000	4, 042
Flounders.....	9, 200	1, 070	101, 900	14, 266	1, 064, 900	83, 555
Garfish.....	4, 200	115			4, 200	115
Gizzard shad.....					11, 600	409
Groupers.....	4, 000	238	84, 600	4, 230	5, 184, 000	206, 067
Grunts.....					23, 500	677
Harvestfish or "starfish".....					434, 500	12, 735
Hickory shad.....					371, 500	12, 842
Jewfish.....	14, 200	702	10, 000	400	138, 300	4, 381
Kingfish or "king mackerel".....			1, 200	72	3, 478, 000	155, 860
King whiting or "kingfish".....	55, 300	1, 751	36, 600	1, 464	1, 426, 600	41, 721
Menhaden.....					250, 076, 800	823, 202
Mojarra.....					394, 900	6, 688
Mullet.....	24, 300	532	1, 500	45	37, 078, 100	1, 378, 161
Muttonfish.....					404, 000	23, 098
Paddlefish or "spoonbill cat".....					11, 600	858

See footnotes at end of table.

Fisheries of the South Atlantic and Gulf States, 1940—Continued

CATCH: BY STATES—Continued

Species	Louisiana		Texas		Total	
	Pounds	Value	Pounds	Value	Pounds	Value
FISH—continued						
Permit					22,000	\$440
Pigfish					87,300	2,543
Pike or pickerel					300	8
Pinfish or sailors-choice					130,100	2,586
Pompano			4,100	\$902	562,900	137,321
Scup or porgy					92,700	3,029
Sea bass					420,800	19,660
Sea catfish	83,800	\$1,353	13,700	548	377,500	7,056
Shad					1,344,400	189,529
Sharks					4,260,000	25,200
Sheepshead:						
Fresh-water					17,700	839
Salt-water	26,200	1,340	15,000	750	628,900	19,415
Snappers:						
Lane					10,000	500
Mangrove					204,900	9,359
Red	104,400	8,960	1,233,100	118,377	6,523,800	577,341
Snook or sergeantfish			7,100	568	470,000	24,519
Spadefish					6,000	240
Spanish mackerel	1,700	186	6,000	659	6,450,900	320,746
Spot	13,200	516			5,448,500	85,989
Squeteagues or "sea trout":						
Gray					3,630,500	181,745
Spotted	211,900	22,271	752,400	90,288	6,311,900	512,207
White	50,600	2,027	2,600	104	217,800	8,801
Striped bass					539,900	59,389
Sturgeon	300	18			11,900	1,230
Suckers					3,200	64
Sunfish					2,104,800	63,144
Tenpounder					227,100	5,052
Triggerfish					5,900	184
Tripletail	2,000	92			5,100	216
White perch					108,200	3,795
Yellow perch					9,000	270
Yellowtail					59,800	5,338
Total	914,100	65,314	3,036,900	286,958	367,770,900	5,802,553
SHELLFISH, ETC.						
Crabs:						
Hard ¹	14,061,900	172,246	252,400	6,297	33,321,100	528,497
Soft and peelers	251,800	39,861			543,700	83,311
Stone					62,300	12,560
Sea crawfish or "spiny lobster"					463,500	31,501
Shrimp	93,986,000	3,979,273	14,779,200	591,168	150,540,600	5,893,360
Clams:						
Coquina					15,000	272
Hard, public ²					1,240,900	112,638
Conchs					25,000	1,000
Octopus					500	34
Oysters, market: ³						
Public, spring	8,726,000	446,074	806,500	67,097	12,742,100	744,152
Public, fall	546,900	32,018	488,800	40,944	2,367,400	185,372
Private, spring	1,819,300	128,069			3,391,900	195,352
Private, fall	1,320,000	88,624	1,900	163	2,449,300	137,674
Scallops, bay					162,200	21,182
Squid	300	4	3,500	70	3,800	74
Terrapin, diamond-back					1,600	160
Turtles:						
Green	500	10			42,100	4,556
Soft-shell					146,600	2,204
Sponges:						
Grass					13,500	12,760
Sheepswool					223,000	866,853
Yellow					6,400	8,630
Total	125,712,700	4,886,179	16,332,300	705,739	207,762,500	8,842,342
Grand total	126,626,800	4,951,493	19,369,200	992,697	575,533,400	14,644,895

¹ Statistics on hard crabs used in this table are based on weights of 6 pounds per dozen in North Carolina, South Carolina, and Georgia; 5.97 pounds in Florida; 5 pounds in Alabama; 5.74 pounds in Mississippi; 5.8 pounds in Louisiana; and 5.69 pounds in Texas.

² Statistics on hard clams used in this table are based on yields of 6.14 pounds of meats per standard bushel in North Carolina, 4.23 pounds in South Carolina, and 5.35 pounds in Florida.

³ Statistics on oysters used in this table are based on yields of 3.38 pounds of meats per standard bushel in North Carolina; 3.06 pounds in South Carolina; 3.01 pounds in Georgia; 2.95 pounds in Florida; 4.14 pounds in Alabama; 3.78 pounds in Mississippi; 4.75 pounds in Louisiana; and 3.58 pounds in Texas.

NOTE.—Data on the yield of shellfish meats per bushel are based on U. S. standard bushels of 2,150.4 cubic inches capacity. The catch for Louisiana includes the following products taken by Mississippi craft in Louisiana waters: Shrimp, 8,165,900 pounds, valued at \$334,735; oysters, market, spring, \$8,305,900 pounds of meats, valued at \$415,295; and oysters, market, fall, 197,600 pounds of meats, valued at \$10,667.

Fisheries of the South Atlantic and Gulf States, 1940—Continued

SUPPLEMENTARY TABLE SHOWING THE PRODUCTION OF CERTAIN SHELLFISH, IN NUMBER AND BUSHELS

Product	North Carolina		South Carolina		Georgia	
	Quantity	Value	Quantity	Value	Quantity	Value
Crabs:						
Hard.....number.....	8,015,600	\$79,957	8,279,800	\$72,448	4,695,000	\$41,085
Soft and peeler.....do.....	1,430,000	42,900	20,000	325		
Clams, hard, public bushels.....	86,352	45,067	686	203		
Oysters, market:						
Public, spring.....do.....	114,763	25,228				
Public, fall.....do.....	89,497	27,332				
Private, spring.....do.....			429,052	49,891	50,399	8,704
Private, fall.....do.....			290,784	31,926	37,575	6,474
Scallops, bay.....do.....	5,690	3,685				

Product	Florida		Alabama		Mississippi	
	Quantity	Value	Quantity	Value	Quantity	Value
Crabs:						
Hard.....number.....	11,341,626	\$102,725	3,313,680	\$27,614	3,110,547	\$26,125
Soft and peeler.....do.....	1,500	125			1,200	100
Stone.....do.....	64,792	12,560				
Clams:						
Coquina.....bushels.....	2,804	272				
Hard, public.....do.....	132,299	67,368				
Conchs.....do.....	1,867	1,000				
Oysters, market:						
Public, spring.....do.....	89,729	19,186	144,203	63,450	518,519	123,117
Public, fall.....do.....	150,542	30,631	66,425	30,407	82,037	24,040
Private, spring.....do.....	25,525	5,161	7,899	3,727		
Private, fall.....do.....	31,593	6,920	7,560	3,561		
Scallops, bay.....do.....	38,909	17,497				

Product	Louisiana		Texas		Total	
	Quantity	Value	Quantity	Value	Quantity	Value
Crabs:						
Hard.....number.....	29,108,133	\$172,246	532,564	\$6,297	68,396,950	\$528,497
Soft and peeler.....do.....	730,220	39,861			2,182,920	83,311
Stone.....do.....					64,792	12,560
Clams:						
Coquina.....bushels.....					2,804	272
Hard, public.....do.....					219,337	112,638
Conchs.....do.....					1,867	1,000
Oysters, market:						
Public, spring.....do.....	1,837,053	446,074	225,279	67,097	2,929,546	744,152
Public, fall.....do.....	115,137	32,018	136,536	40,944	640,174	185,372
Private, spring.....do.....	383,011	128,069			895,886	195,552
Private, fall.....do.....	277,895	88,624	531	163	645,938	137,674
Scallops, bay.....do.....					44,599	21,182

NOTE.—Bushels represent U. S. standard bushels of 2,150.4 cubic inches capacity.

Industries related to the fisheries of the South Atlantic and Gulf States, 1940

OPERATING UNITS, SALARIES, AND WAGES

Item	North Carolina	South Carolina	Georgia	Florida	Alabama	Mississippi	Louisiana	Texas	Total
Transporting:									
Persons engaged:	<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>Number</i>
On vessels.....	66	128	-----	35	-----	3	158	-----	390
On boats.....	11	24	-----	-----	-----	8	244	-----	287
Total.....	77	152	-----	35	-----	11	402	-----	677
Vessels:									
Motor.....	40	21	-----	18	-----	1	79	-----	159
Net tonnage.....	338	263	-----	222	-----	12	660	-----	1,495
Sail.....	-----	26	-----	-----	-----	-----	-----	-----	26
Net tonnage.....	-----	251	-----	-----	-----	-----	-----	-----	251
Total vessels.....	40	47	-----	18	-----	1	79	-----	185
Total net tonnage.....	338	514	-----	222	-----	12	660	-----	1,746
Boats.....	8	11	-----	-----	-----	4	125	-----	148
Wholesale and manufacturing:									
Establishments.....	105	24	22	322	47	34	162	60	776
Persons engaged:									
Proprietors.....	118	19	23	401	47	18	137	57	820
Salaried employees.....	47	27	51	132	20	60	164	42	543
Wage earners:									
Average for season.....	1,817	1,101	1,004	2,157	749	2,547	6,975	1,213	17,563
Average for year.....	574	385	256	1,051	258	756	1,614	303	5,197
Paid to salaried employees.....	\$93,648	\$54,968	\$67,789	\$287,024	\$28,395	\$99,711	\$205,009	\$37,828	\$874,372
Paid to wage earners.....	\$247,389	\$150,204	\$124,724	\$775,383	\$153,269	\$510,235	\$826,694	\$152,072	\$2,939,970
Total salaries and wages.....	\$341,037	\$205,172	\$192,513	\$1,062,407	\$181,664	\$609,946	\$1,031,703	\$189,900	\$3,814,342
Fishermen manufacturing.....	303	31	18	275	-----	53	-----	-----	680

PRODUCTS MANUFACTURED

Item	North Carolina		South Carolina		Georgia		Florida	
	Quantity	Value	Quantity	Value	Quantity	Value	Quantity	Value
By manufacturing establishments:								
Alewives:								
Corned..... pounds.....	3,220,150	\$69,291	-----	-----	-----	-----	-----	-----
Roe, canned standard cases.....	9,914	55,581	-----	-----	-----	-----	-----	-----
Groupers:								
Fresh steaks..... pounds.....	-----	-----	-----	-----	-----	-----	331,506	\$75,980
Fresh fillets..... do.....	-----	-----	-----	-----	-----	-----	105,300	18,705
Frozen fillets..... do.....	-----	-----	-----	-----	-----	-----	6,021	1,053
Menhaden:								
Oil..... gallons.....	1,189,209	310,942	-----	-----	(1)	(1)	417,104	85,261
Meal..... tons.....	4,458	204,012	-----	-----	-----	-----	2,756	130,025
Acid scrap..... do.....	2,564	45,173	-----	-----	-----	-----	2,130	40,060
Dry scrap..... do.....	7,876	338,601	-----	-----	-----	-----	5,314	225,641
Mullet:								
Salted..... pounds.....	277,800	23,100	-----	-----	-----	-----	976,500	58,100
Roe, salted..... do.....	-----	-----	-----	-----	-----	-----	60,000	14,825
Sea catfish, fresh, pan-dressed..... pounds.....	-----	-----	-----	-----	-----	-----	81,800	4,928
Shark:								
Fins..... do.....	-----	-----	-----	-----	-----	-----	24,177	10,203
Hides..... do.....	-----	-----	-----	-----	-----	-----	61,890	12,176
Liver-oil..... gallons.....	-----	-----	-----	-----	-----	-----	21,225	13,935
Snapper, red:								
Fresh steaks..... pounds.....	-----	-----	-----	-----	-----	-----	40,300	8,278
Fresh fillets..... do.....	-----	-----	-----	-----	-----	-----	57,200	15,254

See footnotes at end of table.

Industries related to the fisheries of the South Atlantic and Gulf States, 1940—Con.

PRODUCTS MANUFACTURED—Continued

Item	North Carolina		South Carolina		Georgia		Florida	
	Quantity	Value	Quantity	Value	Quantity	Value	Quantity	Value
By manufacturing establishments—Continued.								
Spot, salted..... pounds.....	159,400	\$9,580						
Crab meat, packaged, fresh-cooked..... pounds.....	518,950	199,635	85,386	\$29,319	186,929	\$65,075	607,177	\$263,947
Shrimp:								
Frozen packaged..... pounds.....							155,300	30,756
Canned standard cases.....					78,736	354,589	16,563	79,832
Marine-shell novelties.....								177,008
Oysters:								
Fresh-shucked..... gallons.....	62,006	65,320	40,228	34,521	14,968	15,067	78,008	103,911
Canned standard cases.....	(1)	(1)	93,971	394,205	(1)	(1)	(1)	(1)
Shell products, poultry feed..... tons.....	(1)	(1)	(1)	(1)			(1)	(1)
Scallops, bay, fresh-shucked..... gallons.....	2,868	5,449					12,960	36,490
Turtle products, canned standard cases.....							(1)	(1)
Unclassified products:								
Packaged, fresh and frozen..... pounds.....	166,300	18,400	(1)	(1)			108,100	127,610
Canned standard cases.....	(2)	(2)	(1)	(1)	(2)	(2)	24,927	152,841
Miscellaneous.....		\$81,109		123,679		\$53,616		\$94,575
Total.....		1,416,193		586,724		488,341		1,681,289
By fishermen:								
Alewives, corned..... pounds.....	436,300	8,764						
Amberjack, smoked..... do.....							500	65
Bluefish, smoked..... do.....							300	45
Blue marlin, smoked..... do.....							300	66
King mackerel, smoked..... do.....								
..... do.....							5,500	1,650
Mullet:								
Salted..... do.....	265,000	22,525	50,000	4,500			180,200	7,940
Roe, salted..... do.....	700	175					20,600	3,400
Smoked..... do.....							33,100	6,765
Sailfish, smoked..... do.....							10,200	2,142
Sea catfish, fresh pan-dressed..... pounds.....							20,000	1,400
..... gallons.....							50	20
Shark, liver-oil..... gallons.....								
Spot, salted..... pounds.....	211,000	12,660	15,000	1,650			300	65
Wahoo, smoked..... do.....								
Crab meat, packaged, fresh-cooked..... pounds.....							3,900	1,117
Shrimp, smoked..... do.....							500	250
Clams, hard, fresh-shucked..... gallons.....	2,740	3,826					525	525
Oysters, fresh-shucked..... do.....	750	825	2,841	3,199	8,047	7,242	6,913	10,679
Scallops, bay, fresh-shucked..... gallons.....							3,805	4,125
Total.....		48,775		9,349	8,047	7,242		40,254
Grand total.....		1,464,968		596,073		495,583		1,721,543

See footnotes at end of table.

Industries related to the fisheries of the South Atlantic and Gulf States, 1940—Con.

PRODUCTS MANUFACTURED—Continued

Item	Alabama		Mississippi		Louisiana		Texas	
	Quantity	Value	Quantity	Value	Quantity	Value	Quantity	Value
By manufacturing establishments—Continued.								
Grouper,								
Fresh fillets...pounds..	(1)	(1)						
Menhaden:								
Oil.....gallons.....			(1)	(1)				
Acid scrap.....tons.....			(1)	(1)				
Dry scrap.....do.....			(1)	(1)				
Snapper, red:								
Fresh steaks...pounds..	(1)	(1)						
Fresh fillets.....do.....	(1)	(1)						
Crab meat, packaged, fresh-cooked.....pounds.....	83, 278	\$27, 525	202, 773	\$60, 832	1, 469, 932	\$390, 458	12, 749	\$3, 188
Crab and shrimp gumbo, canned...standard cases.....					600	5, 048		
Shrimp:								
Frozen packaged pounds.....	(1)	(1)	1, 886, 119	247, 034	5, 681, 395	752, 135	6, 722, 265	960, 880
Cooked and peeled pounds.....			208, 675	57, 705	863, 895	237, 586		
Sun-dried.....do.....					1, 930, 400	326, 416		
Canned standard cases.....	(1)	(1)	160, 638	669, 100	599, 311	2, 639, 680	(1)	(1)
Bran.....tons.....					1, 435	42, 690		
Oysters:								
Fresh-shucked.gallons..	66, 220	109, 254	18, 064	27, 052	197, 910	311, 450	96, 914	134, 881
Canned standard cases.....	(1)	(1)	286, 672	1, 127, 241	69, 007	258, 932		
Shell products, poultry feed.....tons.....	(1)	(1)	16, 320	82, 874	(1)	(1)	(1)	(1)
Turtle products, canned standard cases.....					621	4, 334		
Unclassified products:								
Packaged, fresh and frozen.....pounds.....	(3)	(3)						
Canned standard cases.....	(3)	(3)			(3)	(3)	(3)	(3)
Miscellaneous.....		¹⁰ 552, 057		¹¹ 184, 365		¹² 165, 249		¹³ 288, 027
Total.....		688, 836		2, 456, 203		5, 134, 028		1, 386, 976
By fishermen:								
Oysters, fresh-shucked gallons.....			3, 380	4, 225				
Total.....			3, 380	4, 225				
Grand total.....		688, 836		2, 460, 428		5, 134, 028		1, 386, 976

¹ This item has been included under "Unclassified products."
² Includes fresh fillets of croaker, red drum, flounder, sea bass, Spanish mackerel, and squeteague; fresh pan-dressed croaker, red drum, flounder, scup, sea bass, Spanish mackerel, and squeteagues; and fresh-shucked hard clams.
³ This item has been included under "Miscellaneous."
⁴ Includes fresh fillets of Spanish mackerel and triggerfish; frozen fillets of red snapper; fresh-cooked crayfish meat; and fresh-shucked hard clams.
⁵ Includes canned oysters, hard-clam products, coquina clam broth, frog legs, and turtle products.
⁶ Includes canned oysters and alewives; and salted menhaden roe.
⁷ Includes canned hard crabs and deviled crabs; fresh-shucked hard clams; hard crab dry scrap; and oyster-shell poultry feed and lime.
⁸ Includes canned oysters; menhaden oil and dry scrap and hard crab dry scrap.
⁹ Includes salted blue runner; smoked "king mackerel"; oyster-shell poultry feed and lime; and novelties other than shell.
¹⁰ Includes canned shrimp and oysters; fresh fillets of grouper, red snapper, Spanish mackerel, and squeteagues; fresh steaks of red snapper; frozen packaged shrimp; cooked and peeled shrimp; and oyster-shell poultry feed and lime.
¹¹ Includes menhaden oil, acid and dry scrap; shrimp bran; and oyster-shell poultry feed and lime.
¹² Includes canned hard and soft crabs, shrimp soup, deviled shrimp, oyster soup, smoked oysters, terrapin products, crayfish bisque, fish and shellfish bouillon, and shellfish paste; salted squeteagues, and oyster-shell poultry feed and lime.
¹³ Includes canned shrimp; and oyster-shell poultry feed and lime.

NOTE.—The total value of manufactured products in the South Atlantic and Gulf was as follows: By manufacturing establishments, \$13,838,590, and by fishermen \$109,845. Some of the above products may have been manufactured from products imported from another State, or a foreign country; therefore, they cannot be correlated directly with the catch within the State. Of the total number of persons engaged in the preparation of fishermen's prepared products, 623 have also been included as fishermen and 481 of the persons shown on transporting craft have also been included as fishermen. This should be considered when computing the total number of persons in the fishery industries exclusive of duplication.

NORTH CAROLINA

Fisheries of North Carolina, 1940

OPERATING UNITS: BY GEAR

Item	Purse seines, men-haden	Haul seines		Gill nets				Lines	
		Com-mon	Long	Anchor	Drift	Run-around	Stake	Hand	Troll
Fishermen:	<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>Number</i>
On vessels.....	422	20	123	137	-----	32	-----	40	-----
On boats and shore:									
Regular.....	-----	1,038	385	522	236	685	262	79	10
Casual.....	-----	338	-----	44	94	28	46	3	-----
Total.....	422	1,396	508	703	330	745	308	122	10
Vessels, motor.....	30	6	41	45	-----	11	-----	10	-----
Net tonnage.....	870	35	267	271	-----	67	-----	97	-----
Boats:									
Motor.....	-----	105	112	238	155	285	141	36	5
Other.....	-----	254	34	70	12	268	35	3	-----
Accessory boats.....	59	2	190	-----	-----	-----	-----	-----	-----
Apparatus:									
Number.....	30	277	92	1,130	165	515	2,548	128	10
Length, yards.....	7,290	54,275	91,000	-----	-----	-----	-----	-----	-----
Square yards.....	-----	-----	-----	682,075	148,600	570,690	173,525	-----	-----
Hooks, baits, or snoods.....	-----	-----	-----	-----	-----	-----	-----	128	10

Item	Lines--Continued		Pound nets	Fyke nets	Dip nets		Otter trawls		Pots
	Trots with baits or snoods	Trot with hooks			Com-mon	Drop	Fish	Shrimp	Eel
Fishermen:	<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>Number</i>
On vessels.....	-----	-----	-----	-----	-----	-----	-----	113	-----
On boats and shore:									
Regular.....	343	21	480	24	60	18	12	338	22
Casual.....	113	-----	17	6	454	-----	-----	-----	8
Total.....	456	21	497	30	514	18	12	451	30
Vessels, motor.....	-----	-----	-----	-----	-----	-----	-----	42	-----
Net tonnage.....	-----	-----	-----	-----	-----	-----	-----	253	-----
Boats:									
Motor.....	173	3	229	15	-----	-----	6	169	23
Other.....	134	6	63	3	164	9	-----	-----	-----
Apparatus:									
Number.....	808	18	2,173	193	514	18	6	211	695
Hooks, baits, or snoods.....	579,250	1,215	-----	-----	-----	-----	-----	-----	-----
Yards at mouth.....	-----	-----	-----	-----	-----	-----	90	3,406	-----

Fisheries of North Carolina, 1940—Continued

OPERATING UNITS: BY GEAR—Continued

Item	Pots— Con.	Spears	Dredges, oyster	Tongs, oyster	Rakes, other than for oysters	By hand		Total, exclusive of dupli- cation
	Fish					Oyster	Other	
Fishermen:								
On vessels.....			147					883
On boats and shore:								
Regular.....	2	100	118	20	297	24	15	4,488
Casual.....		136	24	41	406	20	25	1,742
Total.....	2	236	289	61	703	44	40	7,113
Vessels:								
Motor.....			2					137
Net tonnage.....			42					1,600
Sail.....			47					47
Net tonnage.....			428					428
Total vessels.....			49					184
Total net tonnage.....			470					2,028
Boats:								
Motor.....	2	9	15	8				1,514
Other.....		162	56	43	250	30	20	1,433
Accessory boats.....								251
Apparatus:								
Number.....	10	236	180	61	703			
Yards at mouth.....			180					

CATCH: BY GEAR

Species	Purse seines, menhaden		Haul seines					
			Common		Long			
			Pounds	Value	Pounds	Value	Pounds	Value
Alewives.....			1,343,600	\$16,796				
Bluefish.....			43,700	3,500	72,200	\$5,776		
Bonito.....			14,800	444	3,000	90		
Butterfish.....			4,000	120	32,200	2,279		
Carp.....			41,100	1,850				
Catfish and bullheads.....			279,900	9,798				
Crevalle.....			500	13				
Croaker.....			188,000	3,760	1,878,100	37,562		
Drum:								
Black.....			39,100	1,173	23,800	714		
Red or redfish.....			30,500	766	63,100	1,623		
Flounders.....			52,400	3,608	17,400	1,218		
Gizzard shad.....			5,000	175				
Harvestfish or "starfish".....			43,700	1,311	51,300	1,539		
Hickory shad.....			11,700	410	500	18		
King whiting or "kingfish".....			81,500	2,445	157,700	4,731		
Menhaden.....	128,731,400	\$474,407	15,000	188	515,900	6,449		
Mullet.....			722,700	28,912	6,100	244		
Pigfish.....			36,500	1,095	11,100	333		
Pinfish.....			9,300	140	9,200	138		
Pompano.....			5,700	570	300	30		
Porgies.....			100	2				
Shad.....			23,900	3,585	300	45		
Sheepshead, salt-water.....			9,800	392	1,500	60		
Spanish mackerel.....			12,500	750	3,900	234		
Spot.....			1,318,400	19,780	1,238,100	18,572		
Squeteagues or "sea trout":								
Gray.....			147,500	7,595	1,136,800	56,840		
Spotted.....			239,500	19,160	459,200	36,736		
Striped bass.....			49,100	5,401	200	22		
White perch.....			52,200	1,830	3,400	120		
Yellow perch.....			6,600	198				
Crabs:								
Hard.....			219,000	4,180				
Soft and peelers.....			126,200	18,930				
Shrimp.....					200	6		
Total.....			128,731,400	474,407	5,173,500	158,877	5,685,500	175,379

Fisheries of North Carolina, 1940—Continued

CATCH: BY GEAR—Continued

Species	Gill nets							
	Anchor		Drift		Runaround		Stake	
	Pounds	Value	Pounds	Value	Pounds	Value	Pounds	Value
Alewives.....	182,100	\$2,278	137,000	\$1,713			22,400	\$281
Bluefish.....	10,000	800			240,900	\$19,286	74,800	5,984
Bonito.....	3,600	108			14,000	420		
Carp.....	25,000	1,073	1,400	63			50,400	2,269
Catfish and bullheads.....	8,600	302	8,600	301			200	7
Croaker.....	572,000	11,440			7,800	156	1,174,800	23,496
Drum:								
Black.....					20,000	600	800	24
Red or redfish.....					12,700	319	6,000	150
Gizzard shad.....	700	26					100	4
Hickory shad.....	34,000	1,193	4,400	155			85,600	3,000
King whiting or "kingfish".....	364,100	10,923						
Menhaden.....					23,000	690	15,900	477
Mullet.....	600	24			215,000	2,687		
Pigfish.....	4,500	135			1,346,100	53,852	500	20
Pompano.....					2,000	60		
Shad.....	176,600	26,490	29,900	4,485	4,300	430		
Spanish mackerel.....							167,300	24,495
Spot.....	25,500	383			72,700	4,362	2,800	168
Squeteagues or "sea trout":					1,218,800	18,287	618,100	9,273
Gray.....	762,900	38,145						
Spotted.....	69,300	5,544			6,500	325	707,800	35,390
Striped bass.....	90,400	9,944	6,800	748	149,700	11,976	90,700	7,256
Sturgeon.....	200	24			67,000	7,370	66,800	7,348
White perch.....	4,600	162	4,500	158			100	12
Total.....	2,334,700	108,994	192,600	7,623	3,400,500	120,814	3,099,300	120,152

Species	Lines							
	Hand		Troll		Trot with baits or snoods		Trot with hooks	
	Pounds	Value	Pounds	Value	Pounds	Value	Pounds	Value
Bluefish.....	1,500	\$120						
Catfish and bullheads.....							24,500	\$858
Sea bass.....	306,200	13,784						
Sea catfish.....	2,500	113						
Spanish mackerel.....			3,000	\$180				
Crabs, hard.....					3,778,800	\$75,577		
Total.....	310,200	14,017	3,000	180	3,778,800	75,577	24,500	858

Fisheries of North Carolina, 1940—Continued

CATCH: BY GEAR—Continued

Species	Pound nets		Fyke nets		Dip nets			
	Pounds	Value	Pounds	Value	Common		Drop	
					Pounds	Value	Pounds	Value
Alewives.....	6,992,500	\$87,408	5,300	\$67			25,000	\$313
Bluefish.....	4,800	384						
Bonito.....	500	15						
Bowfin.....			300	6				
Butterfish.....	8,000	240						
Carp.....	294,100	13,235	25,000	1,127				
Catfish and bullheads.....	465,700	16,300	525,000	18,375				
Croaker.....	489,700	9,794						
Drum:								
Black.....	4,700	141						
Red or redbfish.....	22,100	554						
Eels, common.....	24,300	1,215	300	15				
Flounders.....	202,900	14,203						
Gizzard shad.....	5,600	196	200	8				
Harvestfish or "starfish".....	339,500	9,885						
Hickory shad.....	196,500	6,880	3,200	112				
King whiting or "kingfish".....	32,700	981						
Menhaden.....	114,600	1,433						
Mullet.....	19,600	784						
Pigfish.....	24,000	720						
Pike or pickerel.....	100	3	200	5				
Pompano.....	1,200	120						
Porgies.....	100	2						
Shad.....	402,700	60,405						
Sheepshead, salt-water.....	2,000	80						
Spanish mackerel.....	46,200	2,772						
Spot.....	382,400	5,787						
Squeteagues or "sea trout":								
Gray.....	867,000	43,350						
Spotted.....	150,000	12,000						
Striped bass.....	248,600	27,346	11,000	1,210				
Sturgeon.....	300	36						
Suckers.....	400	8	2,800	56				
White perch.....	14,000	491	300	11				
Yellow perch.....	2,100	63	300	9				
Crabs, soft and peelers.....					159,800	\$23,970		
Shrimp.....	3,100	93						
Total.....	11,362,000	316,874	573,900	21,001	159,800	23,970	25,000	313

Species	Otter trawls		Pots		Spears	
	Pounds	Value	Pounds	Value	Pounds	Value
Carp.....			1,000	\$45		
Catfish and bullheads.....			5,000	175		
Eels, common.....			53,500	2,675		
Flounders.....	117,800	\$8,246			107,700	\$7,539
King whiting or "kingfish".....	8,500	255				
White perch.....			15,000	525		
Crabs, hard.....	10,000	200				
Shrimp.....	4,153,200	124,596				
Octopus.....	200	10				
Total.....	4,289,700	133,307	74,500	3,420	107,700	7,539

Species	Dredges		Tongs		Rakes		By hand	
	Pounds	Value	Pounds	Value	Pounds	Value	Pounds	Value
Clams, hard, public.....					492,800	\$41,888	37,400	\$3,179
Oysters, market:								
Public, spring.....	304,200	\$19,789	58,000	\$3,770			25,700	1,669
Public, fall.....	236,000	20,072	41,300	5,117			25,200	2,143
Scallops, bay.....					33,800	3,685		
Total.....	540,200	39,861	99,300	8,887	526,600	45,573	88,300	6,991

SOUTH CAROLINA

Fisheries of South Carolina, 1940

OPERATING UNITS: BY GEAR

Item	Haul seines, common	Gill nets				Lines		Cast nets
		Anchor	Drift	Run-around	Stake	Hand	Trot with baits or snoods	
Fishermen:	Number	Number	Number	Number	Number	Number	Number	Number
On vessels.....						11		
On boats and shore:								
Regular.....	79		10	44	60	24	186	4
Casual.....	88	98	52	30		28	129	16
Total.....	167	98	62	74	60	63	315	20
Vessels, motor.....						3		
Net tonnage.....						49		
Boats:								
Motor.....		5	8	14		12	23	
Other.....	38	73	23	33	30	18	163	16
Apparatus:								
Number.....	36	88	40	38	30	73	278	20
Length, yards.....	8,975							
Square yards.....		42,240	45,800	15,990	15,000			
Hooks, baits, or snoods.....						115	137,500	

Item	Otter trawls, shrimp	Pots, fish	Spears	Tongs, oyster	Grabs	By hand		Total, exclusive of duplication
						Oyster	Other	
Fishermen:	Number	Number	Number	Number	Number	Number	Number	Number
On vessels.....	105							107
On boats and shore:								
Regular.....	38		15	2	237	2		634
Casual.....		8	41	24	107	10	37	600
Total.....	143	8	56	26	344	12	37	1,341
Vessels, motor.....	35							35
Net tonnage.....	301							301
Boats:								
Motor.....	19	1	4	4	28			114
Other.....		3	49	22	223	12	27	600
Apparatus:								
Number.....	54	100	56	26	344			
Yards at mouth.....	1,209							

CATCH: BY GEAR

Species	Haul seines		Gill nets					
			Anchor		Drift		Runaround	
	Pounds	Value	Pounds	Value	Pounds	Value	Pounds	Value
Bluefish.....	1,000	\$70					3,000	\$210
Drum:								
Black.....	24,500	858					8,000	281
Red or redfish.....	58,000	3,480					27,000	1,620
Flounders.....	13,000	975					3,000	225
Hickory shad.....			3,100	\$78	4,700	\$119		
King whiting or "kingfish".....	62,000	1,240						
Mullet.....	315,000	9,450					174,500	5,235
Sea catfish.....	3,000	90						
Shad.....			11,400	2,508	23,300	5,126		
Sheepshead, salt-water.....	500	13					1,000	25
Spot.....	235,500	4,710					66,700	1,334
Squeteagues or "sea trout":								
Gray.....	1,500	75					500	25
Spotted.....	9,400	752					23,000	1,840
Sturgeon.....			3,200	416	200	26		
Total.....	723,400	21,713	17,700	3,002	28,200	5,271	306,700	10,795

Fisheries of South Carolina, 1940—Continued

CATCH: BY GEAR—Continued

Species	Gill nets—Cont'd		Lines				Cast nets	
	Stake		Hand		Trot with baits or snoods			
	Pounds	Value	Pounds	Value	Pounds	Values	Pounds	Value
Drum, black			1,000	\$35				
Hickory shad	10,000	\$250						
King whiting or "kingfish"			5,500	110				
Sea bass			107,200	5,350				
Shad	15,200	3,344						
Squeteagues or "sea trout," spotted			10,000	800				
Crabs, hard					4,139,900	\$72,448		
Shrimp							12,000	\$360
Total	25,200	3,594	123,700	6,295	4,139,900	72,448	12,000	360

Species	Otter trawls		Pots		Spears	
	Pounds	Value	Pounds	Value	Pounds	Value
Catfish and bullheads			15,000	\$900		
Flounders					58,500	\$4,388
Groupers	2,000	\$80				
King whiting or "kingfish"	11,000	310				
Shrimp	1,772,000	54,327				
Total	1,785,000	54,717	15,000	900	58,500	4,388

Species	Tongs		Grabs		By hand	
	Pounds	Value	Pounds	Value	Pounds	Value
Crabs, soft and peelers					5,000	\$325
Clams, hard, public					2,900	203
Oysters, market:						
Private, spring	155,800	\$5,919	1,151,600	\$43,763	5,500	209
Private, fall	86,100	3,186	799,600	28,588	4,100	152
Total	241,900	9,105	1,951,200	72,351	17,500	889

GEORGIA

Fisheries of Georgia, 1940

OPERATING UNITS: BY GEAR

Item	Purse seines, menhaden	Haul seines, common	Gill nets				Lines	
			Anchor	Drift	Run-around	Stake	Trot with baits or snoods	Trot with hooks
	Number	Number	Number	Number	Number	Number	Number	Number
Fishermen:	18							
On vessels								
On boats and shore:								
Regular		5		15	8		158	2
Casual		3	10	157	24	74	99	23
Total	18	8	10	172	32	74	257	25
Vessels, motor	1							
Net tonnage	27							
Boats:								
Motor				7	8	2	15	
Other		4	5	83	17	40	217	21
Accessory boats	2							
Apparatus:								
Number	1	4	20	92	33	103	267	34
Length, yards	350	400						
Square yards			1,000	38,730	24,000	14,790		
Hooks, baits, or snoods							120,850	3,800

Fisheries of Georgia, 1940—Continued

OPERATING UNITS: By GEAR—Continued

Item	Otter trawls		Pots		Tongs, oyster	Grabs	By hand, oyster	Total, exclusive of duplication
	Fish	Shrimp	Crab	Fish				
Fishermen:	<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>Number</i>
On vessels.....	3	228						246
On boats and shore:								
Regular.....		250	46		1	16		469
Casual.....			21	2	21	46	26	463
Total.....	3	478	67	2	22	62	26	1,178
Vessels, motor.....	1	76						77
Net tonnage.....	7	548						575
Boats:								
Motor.....		125	1		1			159
Other.....			57	2	21	62	26	497
Accessory boats.....								2
Apparatus:								
Number.....	1	201	970	30	22	62		
Yards at mouth.....	18	4,619						

CATCH: BY GEAR

Species	Purse seines		Haul seines		Gill nets			
					Anchor		Drift	
	<i>Pounds</i>	<i>Value</i>	<i>Pounds</i>	<i>Value</i>	<i>Pounds</i>	<i>Value</i>	<i>Pounds</i>	<i>Value</i>
Flounders.....			1,500	\$45				
Hickory shad.....							11,100	\$444
Menhaden.....	234,500	\$657						
Mullet.....			7,000	140				
Shad.....					5,000	\$1,700	101,000	20,200
Spot.....			2,000	40				
Squeteagues or "sea trout," spotted.....			6,000	490			4,700	470
Sturgeon.....								
Terrapin, diamond back.....			1,600	160				
Total.....	234,500	657	18,100	865	5,300	1,000	116,800	21,114

Species	Gill nets—Continued				Lines			
	Runaround		Stake		Trot with baits or snoods		Trot with hooks	
	<i>Pounds</i>	<i>Value</i>	<i>Pounds</i>	<i>Value</i>	<i>Pounds</i>	<i>Value</i>	<i>Pounds</i>	<i>Value</i>
Catfish and bullheads.....							14,500	\$580
Croaker.....	5,500	\$165						
Drum:								
Black.....	8,000	320						
Red or redfish.....	12,000	480						
Hickory shad.....			1,500	\$60				
King whiting or "kingfish".....	2,500	50						
Mullet.....	15,000	300						
Shad.....			44,100	8,820				
Sheepshead, salt-water.....	1,000	50						
Squeteagues or "sea trout," spotted.....	24,000	1,920						
Crabs, hard.....					1,445,000	\$25,289		
Total.....	68,000	3,285	45,600	8,880	1,445,000	25,289	14,500	580

Fisheries of Georgia, 1940—Continued

CATCH: BY GEAR—Continued

Species	Otter trawls		Pots		Tongs		Grabs		By hand	
	Pounds	Value	Pounds	Value	Pounds	Value	Pounds	Value	Pounds	Value
Catfish and bullheads			22,500	\$900						
Croaker	1,400	\$14								
Eels, common			1,000	50						
Flounders	35,000	1,959								
King whiting or "kingfish"	161,500	4,275								
Crabs, hard	535,000	9,363	367,500	6,433						
Shrimp	9,335,500	280,788								
Oysters, market:										
Private, spring					36,300	\$2,105	79,100	\$4,494	36,300	\$2,105
Private, fall					26,600	1,543	60,300	3,411	26,200	1,520
Total	10,068,400	296,399	391,000	7,383	62,900	3,648	139,400	7,905	62,500	3,625

FLORIDA

Fisheries of Florida, 1940

OPERATING UNITS: BY GEAR

Item	Purse seines, menhaden	Haul seines		Gill nets			
		Common	Long	Anchor	Drift	Run-around	Stake
Fishermen:	Number	Number	Number	Number	Number	Number	Number
On vessels	318					14	
On boats and shore:							
Regular		733	50	17	86	2,527	
Casual		156			6	126	10
Total	318	889	50	17	92	2,667	10
Vessels, motor	15					7	
Net tonnage	711					52	
Boats:							
Motor		190	13	7	43	1,268	
Other		255	40		29	1,866	10
Accessory boats	30						
Apparatus:							
Number	15	210	13	13	49	2,296	5
Length, yards	4,290	143,840	11,600				
Square yards				13,900	77,500	1,869,820	5,000

Item	Trammel nets	Lines					Fyke nets
		Hand	Trawl	Troll	Trot with baits or snoods	Trot with hooks	
Fishermen:	Number	Number	Number	Number	Number	Number	Number
On vessels	14	410		9			
On boats and shore:							
Regular	709	1,010	4	591	139	142	15
Casual	7	1,390		467	53	61	
Total	730	2,810	13	1,058	192	203	15
Vessels:							
Motor	7	60	3				
Net tonnage	52	1,773	42				
Sail		1					
Net tonnage		9					
Total vessels	7	61	3				
Total net tonnage	52	1,782	42				
Boats:							
Motor	324	757	2	537	108	72	11
Other	270	346		17	65	91	
Apparatus:							
Number	457	3,367	26	1,490	199	204	45
Square yards	388,350						
Hooks, baits, or snoods		5,347	6,300	1,555	91,000	78,500	

Fisheries of Florida, 1940—Continued

OPERATING UNITS: BY GEAR—Continued

Item	Dip nets, common	Cast nets	Otter trawls, shrimp	Pots			
				Crab	Crawfish	Eel	Fish
	Number	Number	Number	Number	Number	Number	Number
Fishermen:							
On vessels.....			257				
On boats and shore:							
Regular.....	64	88	232	67	82	2	103
Casual.....	65	33		36	67		
Total.....	129	121	539	103	149	2	103
Vessels, motor.....			86				
Net tonnage.....			670				
Boats:							
Motor.....	20	4	141	51	56	2	89
Other.....	61	34		29	57		11
Apparatus:							
Number.....	129	121	227	7,563	8,900	20	10,110
Yards at mouth.....			4,022				

Item	Spears	Dredges			Tongs, oyster	Rakes, other than for oysters	Coquina scoops
		Clam	Oyster	Scallop			
	Number	Number	Number	Number	Number	Number	Number
Fishermen:							
On boats and shore:							
Regular.....	41		6	76	257	20	
Casual.....	104	10			75	11	4
Total.....	145	10	6	76	332	31	4
Boats:							
Motor.....	23		3	38	132		
Other.....	66	3			119	4	4
Apparatus:							
Number.....	145	6	3	72	322	31	4
Yards at mouth.....		4	5	70			

Item	Hooks		Diving outfit	By hand		Total, exclusive of dupli- cation
	Sponge	Other		Oyster	Other	
	Number	Number	Number	Number	Number	Number
Fishermen:						
On vessels.....		15	155			1,166
On boats and shore:						
Regular.....		218	21	296	22	5,431
Casual.....		46	5		14	2,305
Total.....		279	26	451	36	8,902
Vessels:						
Motor.....			31			199
Net tonnage.....			280			3,505
Sail.....		3				4
Net tonnage.....		40				49
Total vessels.....		3	31			203
Total net tonnage.....		40	280			3,554
Boats:						
Motor.....		13	11	36		2,597
Other.....		156	10		36	2,967
Accessory boats.....						30
Apparatus, number.....		177	26	67		

Fisheries of Florida, 1940—Continued

CATCH: BY GEAR

Species	Purse seines		Haul seines				Gill nets	
			Common		Long		Anchor	
			Pounds	Value	Pounds	Value	Pounds	Value
Angelfish					2,100	\$53		
Bluefish			267,900	\$19,587	101,700	7,119		
Blue runner or hardtail			680,300	9,974				
Butterfish			7,400	148				
Catfish and bullheads			2,841,400	86,450				
Cigarfish			6,400	142				
Crappie			415,000	14,050				
Crevalle			7,000	70	1,500	38		
Croaker			2,800	56	2,100	53		
Drum:								
Black			21,600	628	2,500	63		
Red or redfish			68,100	3,375	4,100	164		
Flounders			21,000	1,351	3,100	155		
Hickory shad			3,300	66				
Jewfish			2,500	125				
Kingfish or "king mackerel"			30,000	1,350				
King whiting or "kingfish"			35,900	1,011				
Menhaden	94,897,100	\$265,707			81,600	816		
Mojarra			8,500	150				
Mullet			4,501,100	165,683	115,600	4,046		
Muttonfish			42,300	2,361	900	45		
Pigfish			200	2	800	16		
Pinfish			3,200	64	1,500	30		
Pompano			39,300	9,235	3,900	1,170		
Sea catfish			110,800	1,626	900	18		
Shad			189,200	13,281				
Sharks							240,000	\$2,600
Sheepshead, salt-water			33,500	972	2,900	73		
Snapper, mangrove			4,400	176	2,100	84		
Snook or sergeantfish			13,800	515	9,600	672		
Spanish mackerel			626,100	31,580	4,700	235		
Spot			43,900	1,080	3,100	93		
Squeteagues or "sea trout":								
Spotted			362,800	26,477	12,500	1,000		
White			7,200	260	2,500	75		
Sunfish			1,990,900	59,727				
Tenpounder			227,100	5,052				
Tripletail					1,200	48		
Turtles:								
Green							41,600	4,546
Soft-shell			65,200	982				
Total	94,897,100	265,707	12,680,100	457,606	360,900	16,066	281,600	7,146

Species	Gill nets—Continued						Trammel nets	
	Drift		Runaround		Stake			
	Pounds	Value	Pounds	Value	Pounds	Value	Pounds	Value
Bluefish			1,229,200	\$85,848			55,800	\$4,645
Blue runner or hardtail			75,500	1,284				
Butterfish			12,500	253				
Crappie			500	15				
Crevalle			214,500	2,926				
Croaker			31,400	663				
Drum:								
Black			64,800	1,683				
Red or redfish			365,100	15,528			70,400	2,813
Flounders			76,400	3,639			13,900	886
Groupers			1,000	40				
Grunts			10,000	250				
Hickory shad	1,900	\$57						
Kingfish or "king mackerel"			433,300	18,277				
King whiting or "kingfish"			15,500	396				
Menhaden			76,800	766				
Mojarra			357,800	5,939			5,200	104
Mullet			24,664,900	927,673			2,450,900	85,453
Muttonfish			114,900	6,372				
Permit			22,000	440				
Pigfish			6,400	146			1,800	36
Pinfish			106,900	2,214				

Fisheries of Florida, 1940—Continued

CATCH: BY GEAR—Continued

Species	Gill nets—Continued						Trammel nets	
	Drift		Runaround		Stake			
	Pounds	Value	Pounds	Value	Pounds	Value	Pounds	Value
Pompano.....			100,900	\$25,654			383,400	\$93,498
Porgies.....			5,000	150				
Sea catfish.....			24,700	324				
Shad.....	119,000	\$12,820	30,000	2,100	5,500	\$825		
Sheepshead, salt-water.....			257,000	7,276			36,200	1,363
Snapper, mangrove.....			62,700	2,633				
Snook or sergeantfish.....			121,600	6,283			6,500	266
Spade fish.....			4,000	160			2,000	80
Spanish mackerel.....			4,338,500	214,705			329,900	16,717
Spot.....			258,800	5,675			2,700	64
Squeteagues or "sea trout":								
Spotted.....			1,758,200	129,290			729,200	48,109
White.....			38,000	1,570				
Sturgeon.....	2,600	208						
Sunfish.....			500	15				
Tripletail.....			1,500	60				
Octopus.....			300	24				
Total.....	123,500	13,085	34,881,100	1,470,271	5,500	825	4,087,900	254,024

Species	Lines							
	Hand		Trawl		Troll		Trot with baits or snoods	
	Pounds	Value	Pounds	Value	Pounds	Value	Pounds	Value
Amberjack.....	9,600	\$185						
Barracuda.....					200	\$4		
Bluefish.....	209,800	15,682			98,300	7,848		
Blue runner or hardtail.....	1,400	42			1,500	45		
Cabio or crab eater.....	1,400	42						
Catfish and bullheads.....	2,000	120						
Crevalle.....	11,600	260			1,400	28		
Croaker.....	3,100	72						
Drum:								
Black.....	40,800	1,513						
Red or redfish.....	325,100	13,458			300	18		
Flounders.....	9,900	335						
Groupers.....	4,779,100	189,039			4,000	160		
Grunts.....	12,500	407						
Jewfish.....	106,100	2,934			5,500	220		
Kingfish or "king mackerel".....	15,700	628			2,997,800	135,533		
King whiting or "kingfish".....	600	18						
Mojarra.....	11,700	236			5,000	125		
Muttonfish.....	237,900	13,841			8,000	479		
Pompano.....	17,900	5,200			900	315		
Porgies.....	82,500	2,675						
Sea bass.....	7,400	526						
Sea catfish.....	8,700	96						
Sharks.....			4,020,000	\$22,600				
Sheepshead, salt-water.....	226,900	6,382			3,700	92		
Snapper:								
Lane.....	10,000	500						
Mangrove.....	135,700	6,466						
Red.....	3,904,700	335,648						
Snook or sergeantfish.....	301,100	15,554			10,300	661		
Spanish mackerel.....	195,300	7,970			741,600	35,540		
Spot.....	16,700	339						
Squeteagues or "sea trout":								
Spotted.....	1,008,200	69,867			33,900	2,433		
White.....	30,400	1,309			400	20		
Triggerfish.....	5,900	184						
Tripletail.....	400	16						
Yellowtail.....	58,800	5,238						
Crabs, hard.....							3,710,300	\$66,398
Total.....	11,788,900	696,782	4,020,000	22,600	3,912,800	183,521	3,710,300	66,398

Fisheries of Florida, 1940—Continued

CATCH: BY GEAR—Continued

Species	Lines—Continued		Fyke nets		Dip nets		Cast nets	
	Trot with hooks							
	Pounds	Value	Pounds	Value	Pounds	Value	Pounds	Value
Alewives			408,000	\$2,040				
Catfish and bullheads	1,535,900	\$44,436						
Flounders							200	\$6
Mojarra							6,700	134
Mullet							144,600	5,330
Sea catfish	126,600	2,832						
Sheepshead, salt-water							200	6
Crabs:								
Soft and peelers					500	\$125		
Stone					5,000	1,500		
Sea crawfish or spiny lobster					115,500	7,130		
Shrimp							80,800	3,159
Scallops, bay					10,500	1,133		
Turtles, soft-shell	18,000	270						
Total	1,680,500	47,538	408,000	2,040	131,500	9,888	232,500	8,635

Species	Otter trawls		Pots		Spears		Dredges	
	Pounds	Value	Pounds	Value	Pounds	Value	Pounds	Value
Blue runner or hardtail			18,000	\$360				
Catfish and bullheads			671,900	15,431				
Crappie			326,400	9,792				
Croaker	1,100	\$77						
Eels, common			2,900	87				
Flounders	80,000	5,616			18,600	\$1,538		
Groupers			26,500	1,590				
Grunts			1,000	20				
King whiting or "kingfish"	349,400	10,302						
Porgies			5,000	200				
Sturgeon	200	12						
Sunfish			113,400	3,402				
Yellowtail			1,000	100				
Crabs:								
Hard			1,932,300	36,327				
Stone			50,700	9,760				
Sea crawfish or spiny lobster			222,500	15,996	12,000	720		
Shrimp	8,287,700	326,098						
Clams, hard, public							700,000	\$66,700
Oyster, market:								
Public, spring							10,000	500
Public, fall							10,000	500
Private, spring							15,000	750
Private, fall							12,000	600
Scallops, bay							77,900	7,044
Turtles, soft-shell			8,400	127	55,000	825		
Total	8,718,400	342,105	3,380,000	93,192	85,600	3,083	824,900	76,094

Species	Tongs		Rakes		Coquina scoops		Hooks	
	Pounds	Value	Pounds	Value	Pounds	Value	Pounds	Value
Clams:								
Coquina					15,000	\$272		
Hard, public			6,700	\$570				
Conchs							25,000	\$1,000
Oyster, market:								
Public, spring	251,500	\$18,526						
Public, fall	431,900	30,021						
Private, spring	16,400	1,132						
Private, fall	40,700	3,370						
Scallops, bay			21,800	7,500				
Sponges:								
Grass							9,600	9,128
Sheepswool							29,500	112,024
Yellow							1,000	1,308
Total	740,500	53,049	28,500	8,070	15,000	272	65,100	123,460

Fisheries of Florida, 1940—Continued

CATCH: BY GEAR—Continued

Species	Hooks—Continued		Diving outfit		By hand	
	Other					
	Pounds	Value	Pounds	Value	Pounds	Value
Crab, stone					6,600	\$1,300
Sea crawfish or spiny lobster	113,500	\$7,655				
Clams, hard, public					1,100	98
Oyster, market:						
Public, spring					3,200	160
Public, fall					2,200	110
Private, spring					43,900	3,279
Private, fall					40,500	2,950
Scallops, bay					18,200	1,820
Sponges:						
Grass			3,900	\$3,632		
Sheepswool			193,500	754,829		
Yellow			5,400	7,322		
Total	113,500	7,655	202,800	765,783	115,700	9,717

CATCH: BY DISTRICTS

Species	East Coast		West Coast		Lake Okeechobee	
	Pounds	Value	Pounds	Value	Pounds	Value
Alewives	408,000	\$2,040				
Amberjack	9,600	185				
Angelfish	2,100	53				
Barracuda	200	4				
Bluefish	1,365,600	95,985	597,100	\$44,744		
Blue runner or hardtail	30,800	661	745,900	11,044		
Butterfish	300	9	19,600	392		
Cabio or crab eater	700	28	700	14		
Catfish and bullheads	3,519,300	115,706	2,000	120	1,529,900	\$30,611
Cigarfish			6,400	142		
Crappie	136,100	5,683			605,800	18,174
Crevalle	28,400	619	207,600	2,703		
Croaker	25,300	617	15,200	304		
Drum:						
Black	76,800	2,609	52,900	1,278		
Red or redfish	185,700	9,924	647,400	25,432		
Fels, common	2,900	87				
Flounders	103,200	6,888	119,900	6,638		
Groupers	329,400	14,126	4,481,200	176,703		
Grunts	16,800	506	6,700	171		
Hickory shad	5,200	123				
Jewfish	18,000	720	96,100	2,559		
Kingfish or "king mackerel"	1,505,600	66,914	1,971,200	88,874		
King whiting or "kingfish"	397,400	11,636	4,000	91		
Menhaden	95,055,500	267,289				
Mojarra	123,500	2,557	271,400	4,131		
Mullet	4,054,400	131,735	27,822,700	1,056,450		
Muttonfish	248,500	16,073	155,500	7,025		
Permit			22,000	440		
Pigfish	4,500	108	4,700	92		
Pinfish	70,400	1,484	41,200	824		
Pompano	81,200	22,449	465,100	112,623		
Porgies			92,500	3,025		
Sea bass	7,400	526				
Sea catfish	9,000	180	262,700	4,716		
Shad	343,700	29,026				
Sharks	4,120,000	22,400	140,000	2,800		
Sheepshead, salt-water	56,000	1,619	504,400	14,545		
Snapper:						
Lane			10,000	500		
Mangrove	33,700	2,089	171,200	7,270		
Red	13,400	1,018	3,891,300	334,630		

Fisheries of Florida, 1940—Continued

CATCH: BY DISTRICTS—Continued

Species	East Coast		West Coast		Lake Okeechobee	
	Pounds	Value	Pounds	Value	Pounds	Value
Snook or sergeantfish	70,100	\$4,694	392,800	\$19,257		
Spadefish			6,000	240		
Spanish mackerel	2,615,000	119,306	3,621,100	187,441		
Spot	182,700	4,155	142,500	3,086		
Squeteagues or "sea trout":						
Spotted	705,600	56,493	3,199,200	220,683		
White	12,800	389	65,700	2,845		
Sturgeon	200	12	2,600	208		
Sunfish	1,708,000	51,240			396,800	\$11,904
Tenpounder			227,100	5,052		
Triggerfish			5,900	184		
Tripletail	3,100	124				
Yellowtail	49,100	4,268	10,700	1,070		
Crabs:						
Hard	4,472,400	86,273	1,170,200	16,452		
Soft and peelers	500	125				
Stone	31,400	4,390	30,900	8,170		
Sea crawfish or spiny lobster	256,000	19,051	207,500	12,450		
Shrimp	7,426,100	292,582	942,400	36,675		
Clams:						
Coquina			15,000	272		
Hard, public	6,700	570	701,100	66,798		
Conchs			25,000	1,000		
Octopus			300	24		
Oysters, market:						
Public, spring	35,900	1,952	228,800	17,234		
Public, fall	30,500	1,638	413,600	28,903		
Private, spring	73,600	4,811	1,700	350		
Private, fall	68,700	4,422	24,500	2,498		
Scallops, bay			128,400	17,497		
Turtles:						
Green			41,600	4,546		
Soft-shell	700	14			145,000	2,190
Sponges:						
Grass			13,500	12,760		
Sheepswool			223,000	866,853		
Yellow			6,400	8,630		
Total	130,137,700	1,490,185	54,676,100	3,451,548	2,078,400	62,879

Sponge fishery of Florida, 1940

OPERATING UNITS: BY GEAR

Item	Sponge hooks	Diving outfits	Total
Fishermen:	<i>Number</i>	<i>Number</i>	<i>Number</i>
On vessels	15	155	170
On boats and shore:			
Regular	218	296	514
Casual	46		46
Total	279	451	730
Vessels:			
Motor		31	31
Net tonnage		280	280
Sail	3		3
Net tonnage	40		40
Total vessels	3	31	34
Total net tonnage	40	280	320
Boats:			
Motor	13	36	49
Other	156		156
Accessory boats	10		10
Apparatus, number	177	67	

Sponge fishery of Florida, 1940—Continued

CATCH: BY GEAR

Sponges	Sponge hooks		Diving outfits		Total	
	<i>Pounds</i>	<i>Value</i>	<i>Pounds</i>	<i>Value</i>	<i>Pounds</i>	<i>Value</i>
Grass.....	9,600	\$9,128	3,900	\$3,632	13,500	\$12,760
Sheepswool.....	29,500	112,024	193,500	754,829	223,000	866,853
Yellow.....	1,000	1,308	5,400	7,322	6,400	8,630
Total.....	40,100	122,460	202,800	765,783	242,900	888,243

SPONGES SOLD ON THE EXCHANGE, TARPON SPRINGS, FLA.

During 1940 a total of 232,160 pounds of sponges, valued at \$847,449, were sold on the exchange at Tarpon Springs, Fla. This was a decrease of 45 percent in volume and 18 percent in value as compared with the transactions during 1939. Sales of individual species and grades of sponges on the Exchange during 1940 were as follows: Large wool, 40,664 pounds, valued at \$179,616; small wool, 48,084 pounds, valued at \$205,032; wool rags, 123,588 pounds, valued at \$441,475; yellow, 6,324 pounds, valued at \$8,566; and grass, 13,500 pounds, valued at \$12,760. In addition to the sales on the Exchange, sponges valued at \$41,033 were sold at Tarpon Springs outside the Exchange and at other points in Florida.

ALABAMA

Fisheries of Alabama, 1940

OPERATING UNITS: BY GEAR

Item	Haul seines, common	Trammel nets	Lines			Fyke nets
			Hand	Trot with baits or snoods	Trot with hooks	
Fishermen:	<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>Number</i>
On vessels.....			79			
On boats and shore:						
Regular.....	22	140	33	117	25	7
Casual.....	4	2	7	9	13	1
Total.....	26	142	119	126	38	8
Vessels, motor.....			11			
Net tonnage.....			193			
Boats:						
Motor.....	5	55	17	53	8	3
Other.....	3	131	9	73	30	5
Apparatus:						
Number.....	5	141	119	126	62	100
Length, yards.....	3,040					
Square yards.....		74,600				
Hooks, baits, or snoods.....			198	56,700	17,104	

Fisheries of Alabama, 1940—Continued

OPERATING UNITS: BY GEAR—Continued

Item	Otter trawls, shrimp	Pots, fish	Spears	Dredges, oyster	Tongs, oyster	Total, exclusive of duplication
Fishermen:						
On vessels.....	Number 64	Number	Number	Number 24	Number 27	Number 165
On boats and shore:						
Regular.....	292	14	33		298	747
Casual.....		14	13		161	222
Total	356	28	46	24	486	1,134
Vessels, motor	29			7	7	41
Net tonnage.....	316			71	59	517
Boats:						
Motor.....	146	3			187	379
Other.....		25			272	534
Apparatus:						
Number.....	175	290	46	14	479	
Yards at mouth.....	2,712			14		

CATCH: BY GEAR

Species	Haul seines		Trammel nets		Lines			
					Hand		Trot with baits or snoods	
	Pounds	Value	Pounds	Value	Pounds	Value	Pounds	Value
Bluefish.....	7,000	\$386	16,800	\$927				
Blue runner or hardtail.....	1,000	46	3,000	132				
Buffalofish.....			9,800	442				
Catfish and bullheads.....			1,200	88				
Crevaille.....					2,100	\$42		
Croaker.....	1,900	48	14,300	361				
Drum:								
Black.....	300	14	500	23				
Red or redfish.....	1,100	75	20,300	1,382	5,700	387		
Flounders.....	11,100	1,088	37,200	3,647	100	10		
Groupers.....					264,700	9,785		
King whiting or "kingfish".....			400	12				
Mullet.....	499,800	17,493	1,896,600	66,383				
Pompano.....			300	57				
Sea catfish.....	100	2	2,700	54				
Sheepshead, salt-water.....	800	37	10,600	499				
Snapper, red.....					1,255,400	111,736		
Spanish mackerel.....	43,000	3,053	19,700	1,399				
Spot.....			4,600	116				
Squeteagues or "sea trout":								
Spotted.....	21,400	2,504	115,000	13,455	28,800	3,369		
White.....			1,900	68	300	12		
Sturgeon.....			100	8				
Crabs, hard.....							1,380,700	\$27,614
Total	587,500	24,746	2,155,000	89,053	1,557,200	125,346	1,380,700	27,614

Species	Lines—Contd.		Fyke nets		Otter trawls		Pots	
	Trot with hooks							
	Pounds	Value	Pounds	Value	Pounds	Value	Pounds	Value
Buffalofish.....	3,600	\$162	45,100	\$2,030				
Catfish and bullheads.....	28,600	2,089	3,100	227			32,600	\$2,380
Paddlefish or spoonbill cat.....			11,600	858				
Sheepshead, fresh-water.....			2,800	94				
Shrimp.....					4,565,300	\$182,409		
Total	32,200	2,251	62,600	3,209	4,565,300	182,409	32,600	2,380

Sponge fishery of Florida, 1940—Continued

CATCH: BY GEAR

Sponges	Sponge hooks		Diving outfits		Total	
	Pounds	Value	Pounds	Value	Pounds	Value
Grass.....	9,600	\$9,128	3,900	\$3,632	13,500	\$12,760
Sheepswool.....	29,500	112,024	193,500	754,829	223,000	866,853
Yellow.....	1,000	1,308	5,400	7,322	6,400	8,630
Total.....	40,100	122,460	202,800	765,783	242,900	888,243

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ALABAMA

Fisheries of Alabama, 1940

OPERATING UNITS: BY GEAR

Item	Haul seines, common	Trammel nets	Lines			Fyke nets
			Hand	Trot with baits or snoods	Trot with hooks	
Fishermen:	Number	Number	Number	Number	Number	Number
On vessels.....			79			
On boats and shore:						
Regular.....	22	140	33	117	25	7
Casual.....	4	2	7	9	13	1
Total.....	26	142	119	126	38	8
Vessels, motor.....			11			
Net tonnage.....			193			
Boats:						
Motor.....	5	55	17	53	8	3
Other.....	3	131	9	73	30	5
Apparatus:						
Number.....	5	141	119	126	62	100
Length, yards.....	3,040					
Square yards.....		74,600				
Hooks, baits, or snoods.....			198	56,700	17,104	

Fisheries of Alabama, 1940—Continued

OPERATING UNITS BY GEAR—Continued

Item	Otter trawls, shrimp	Pots, fish	Spears	Dredges, oyster	Traps, oyster	Total catch in pounds of oysters
Fishermen:	Number	Number	Number	Number	Number	Number
On vessels	64			24	77	165
On boats and shore						
Regular	292	14	23		766	747
Casual		14	13		161	222
Total	356	28	46	24	844	1,134
Vessels, motor	79			7	7	41
Net tonnage	216			71	59	517
Boats:						
Motor	166	3			187	179
Other		23			272	536
Apparatus:						
Number	175	260	66	14	479	
Yards at mouth	2,712			14		

CATCH BY GEAR

Species	Haul seines		Trawled nets		Lines			
					Haul		Trot with hooks or snags	
	Pounds	Value	Pounds	Value	Pounds	Value	Pounds	Value
Bluefish	7,000	\$396	16,000	\$927				
Hise runner or hardtail	1,000	66	3,000	112				
Buffalofish			9,000	442				
Catfish and bullheads			1,200	66				
Croakers					2,100	\$61		
Drum								
Black	300	14	500	20				
Red or reelfish	1,100	75	20,000	1,392	7,700	39		
Flounders	11,100	1,066	37,200	3,647				
Groupers					364,700	9,782		
King whiting or "kingfish"			600	12				
Mullet	690,000	17,663	1,866,000	66,363				
Pompano			300	17				
Sea catfish	100	2	2,700	54				
Shovelnose, salt water	800	27	10,000	699				
Snapper, red					1,277,000	121,726		
Spanish mackerel	63,000	3,073	19,700	1,366				
Spot			4,000	110				
Squid or "sea trout"								
Spotted	21,000	2,504	115,000	13,457	28,000	3,366		
White			1,000	66	300	12		
Sturgeon			100	8				
Crabs, hard							1,090,700	\$27,616
Total	267,300	26,766	2,188,000	66,053	1,557,200	127,666	1,269,700	27,616

Species	Lines		Fyke nets		Otter trawls		Pots	
	Trot with hooks							
	Pounds	Value	Pounds	Value	Pounds	Value	Pounds	Value
Buffalofish	1,000	\$162	65,100	\$2,026				
Catfish and bullheads	26,000	2,000	1,100	277			12,000	\$2,300
Freshwater or grasshopper cat			11,000	636				
Shovelnose, fresh water			1,000	66				
Shrimp					4,363,300	\$12,000		
Total	27,000	2,221	82,200	3,000	4,363,300	162,000	12,000	2,300

Fisheries of Alabama, 1940—Continued

CATCH: BY GEAR—Continued

Species	Spears		Dredges		Tongs	
	Pounds	Value	Pounds	Value	Pounds	Value
Flounders.....	35,200	\$3,752				
Oysters, market:						
Public, spring.....			86,100	\$5,211	510,900	\$58,239
Public, fall.....			19,000	1,140	256,000	29,267
Private, spring.....					32,700	3,727
Private, fall.....					31,300	3,567
Total.....	35,200	3,752	105,100	6,351	830,900	94,800

MISSISSIPPI

Fisheries of Mississippi, 1940

OPERATING UNITS: BY GEAR

Item	Purse seines, menhaden	Trammel nets	Lines		Dip nets	
			Hand	Trot with baits or snoods	Common	Drop
Fishermen:	Number	Number	Number	Number	Number	Number
On vessels.....	104		4			
On boats and shore:						
Regular.....		36	34	99		
Casual.....			11		2	8
Total.....	104	36	49	99	2	8
Vessels, motor.....	6		1			
Net tonnage.....	178		8			
Boats:						
Motor.....		11	18	53		
Other.....		30	21	36		8
Accessory boats.....	12					
Apparatus:						
Number.....	6	32	49	99	2	96
Length, yards.....	2,280					
Square yards.....		17,200				
Hooks, baits, or snoods.....			61	62,700		

Item	Cast nets	Otter trawls, shrimp	Spears	Dredges, oyster	Tongs, oyster	Total, ex- clusive of duplication
Fishermen:	Number	Number	Number	Number	Number	Number
On vessels.....		424		610		952
On boats and shore:						
Regular.....	6	598	15	72	259	880
Casual.....	9		13		18	45
Total.....	15	1,022	28	682	277	1,877
Vessels:						
Motor.....		188		131		243
Net tonnage.....		1,953		1,793		2,962
Sail.....		1		4		5
Net tonnage.....		7		54		61
Total vessels.....		189		135		248
Total net tonnage.....		1,960		1,847		3,023
Boats:						
Motor.....		299		18	86	389
Other.....			8		189	238
Accessory boats.....						12
Apparatus:						
Number.....	15	488	28	305	277	
Yards at mouth.....		7,617		305		

Fisheries of Mississippi, 1940—Continued

CATCH: BY GEAR

Species	Purse seines		Trammel nets		Lines			
	Pounds	Value	Pounds	Value	Hand		Trot with baits or snoods	
			Pounds	Value	Pounds	Value	Pounds	Value
Croaker.....			2,300	\$92	1,500	\$60		
Drum:								
Black.....			9,800	490	3,700	185		
Red or redfish.....			49,800	3,980	5,400	432		
Flounders.....			1,500	150	1,300	130		
Groupers.....					18,100	905		
King whiting or "kingfish".....			300	12	5,200	208		
Menhaden.....	25,194,900	\$70,092						
Mullet.....			159,600	6,131				
Pompano.....			700	140				
Sheepshead, salt-water.....			13,800	690	1,100	55		
Snapper, red.....					26,200	2,620		
Spanish mackerel.....			3,200	226	100	10		
Squeteagues or "sea trout":								
Spotted.....			34,700	3,470	12,100	1,210		
White.....			47,700	1,908	36,200	1,448		
Crabs, hard.....							1,481,800	\$26,011
Total.....	25,194,900	70,092	323,400	17,289	110,900	7,263	1,481,800	26,011

Species	Dip nets				Cast nets		Otter trawls	
	Common		Drop		Pounds	Value	Pounds	Value
	Pounds	Value	Pounds	Value				
Flounders.....							13,500	\$1,350
King whiting or "kingfish".....							1,500	60
Mullet.....					12,100	\$431		
Crabs:								
Hard.....			6,500	\$114				
Soft.....	400	\$100						
Shrimp.....							8,565,600	351,083
Total.....	400	100	6,500	114	12,100	431	8,580,600	352,493

Species	Spears		Dredges		Tongs	
	Pounds	Value	Pounds	Value	Pounds	Value
Flounders.....	21,600	\$2,160				
Oysters, market:						
Public, spring.....			1,572,100	\$78,770	387,900	\$44,347
Public, fall.....			187,200	10,079	122,900	13,961
Total.....	21,600	2,160	1,759,300	88,849	510,800	58,308

NOTE.—The production of fishery products by Mississippi craft in Louisiana waters has been included with the catch for Louisiana. These catches were as follows: By oyster dredges, public spring oysters, 8,305,900 pounds of meats, valued at \$415,295; and public fall oysters, 197,600 pounds of meats, valued at \$10,667; and by shrimp trawls, shrimp, 8,165,900 pounds, valued at \$334,735.

LOUISIANA

Fisheries of Louisiana, 1940

OPERATING UNITS: BY GEAR

Item	Haul seines	Trammel nets	Lines		Dip nets		Cast nets
			Hand	Trot with baits or snoods	Common	Drop	
Fishermen:	<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>Number</i>
On vessels			5				
On boats and shore:							
Regular	40	16	80	575	19	56	
Casual	22	5	43	185	15	83	39
Total	62	21	128	760	34	139	38
Vessels, motor			1				
Net tonnage			14				
Boats:							
Motor	9	7	44	155		13	
Other	13	7	45	605	34	126	
Apparatus:							
Number	17	9	139	756	34	7,050	38
Length, yards	6,820						
Square yards		2,360					
Hooks, baits, or snoods			155	222,430			

Item	Otter trawls, shrimp	Brush traps	Pots, crab	Dredges, oyster	Tongs, oyster	Total, exclusive of duplication
Fishermen:	<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>Number</i>
On vessels	716			48		764
On boats and shore:						
Regular	2,279	153	4	89	518	3,702
Casual					47	392
Total	2,995	153	4	137	565	4,858
Vessels, motor	273			16		288
Net tonnage	2,295			162		2,449
Boats:						
Motor	1,126	27	2	26	124	1,490
Other		126			332	1,173
Apparatus:						
Number	1,399	34,600	400	80	565	
Yards at mouth	20,345			80		

Fisheries of Louisiana, 1940—Continued

CATCH: BY GEAR

Species	Haul seines		Trammel nets		Lines			
					Hand		Trot with baits or snoods	
	Pounds	Value	Pounds	Value	Pounds	Value	Pounds	Value
Croaker.....	17,700	\$706	5,700	\$228	10,000	\$400		
Dolphin.....					200	14		
Drum:								
Black.....	40,500	2,025	20,800	1,040	31,000	1,550		
Red or redfish.....	93,800	9,270	29,000	2,900	60,100	6,010		
Flounders.....	4,100	474	1,600	186	2,500	290		
Garfish.....	1,600	37	2,600	78				
Groupers.....					4,000	238		
Jewfish.....					14,200	702		
King whiting or "kingfish".....	3,500	111			4,500	140		
Mullet.....	14,500	315	9,800	217				
Sea catfish.....	6,300	153	300	6	77,200	1,194		
Sheepshead, salt-water.....	18,500	955	5,300	265	2,400	120		
Snapper, red.....					104,400	8,960		
Spanish mackerel.....	100	10			1,600	176		
Spot.....	8,000	309	2,400	96	2,600	103		
Squeteague or "sea trout":								
Spotted.....	60,000	7,137	40,000	4,762	111,900	10,372		
White.....	20,500	821	15,500	620	14,600	586		
Sturgeon.....			300	18				
Tripletail.....					2,000	92		
Crabs:								
Hard.....	42,300	510					13,183,800	\$160,923
Soft and peelers.....	101,100	16,176						
Total.....	432,500	39,009	133,300	10,416	443,200	30,947	13,183,800	160,923

Species	Dip nets				Cast nets		Otter trawls	
	Common		Drop					
	Pounds	Value	Pounds	Value	Pounds	Value	Pounds	Value
Flounders.....							1,000	\$120
King whiting or "kingfish".....							47,300	1,500
Spot.....							200	8
Crabs:								
Hard.....	147,000	\$1,763	529,500	\$6,370				
Soft and peelers.....	17,800	2,848	47,500	7,600				
Shrimp.....					23,200	\$802	98,962,800	3,978,471
Squid.....							300	4
Turtles, green.....							500	10
Total.....	164,800	4,611	577,000	13,970	23,200	802	99,012,100	3,980,113

Species	Brush traps		Pots		Dredges		Tongs	
	Pounds	Value	Pounds	Value	Pounds	Value	Pounds	Value
Crabs:								
Hard.....			159,300	\$2,680				
Soft and peelers.....	85,400	\$13,237						
Oysters, market:								
Public, spring.....					8,629,700	\$439,714	96,300	\$6,360
Public, fall.....					516,100	29,907	30,800	2,111
Private, spring.....					327,900	22,165	1,491,400	105,904
Private, fall.....					286,700	18,713	1,033,300	69,911
Total.....	85,400	13,237	159,300	2,680	9,760,400	510,499	2,651,800	184,286

NOTE.—The catch as shown above for Louisiana includes the following products which were taken by Mississippi craft in Louisiana waters: Shrimp, 8,165,900 pounds, valued at \$334,735; oysters, public, spring, 8,305,900 pounds, valued at \$415,295; and oysters, public, fall, 197,600 pounds, valued at \$10,667.

TEXAS

Fisheries of Texas, 1940

OPERATING UNITS: BY GEAR

Item	Gill nets			Trammel nets	Lines				Dip nets, common
	Run-around	Stake			Hand	Troll	Trot with baits or snoods	Trot with hooks	
Fishermen:	<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>Number</i>
On vessels.....					115				
On boats and shore:									
Regular.....	28	67	45		28	1	7	4	8
Casual.....	17	6	52		57		15	20	32
Total.....	45	73	97		200	1	22	24	40
Vessels, motor.....					16				
Net tonnage.....					223				
Boats:									
Motor.....	16	20	39		21	1	3	6	
Other.....	3	15	8		45		16	11	23
Apparatus:									
Number.....	57	195	41		198	1	19	23	40
Square yards.....	13,427	45,228	21,482						
Hooks, baits, or snoods.....					324	1	4,060	5,950	

Item	Cast nets	Otter trawls, shrimp	Pots, crab	Spears	Dredges, oyster	Tongs, oyster	By hand	Total, exclusive of duplication
Fishermen:	<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>Number</i>
On vessels.....		122			20			239
On boats and shore:								
Regular.....		743	10	9	123	39		1,009
Casual.....	2		8	99		86	2	290
Total.....	2	865	18	108	143	125	2	1,538
Vessels, motor.....		56			5			69
Net tonnage.....		515			48			715
Boats:								
Motor.....		351	4		38	23		475
Other.....			2	5		96	2	185
Apparatus:								
Number.....	2	407	540	108	86	125		
Yards at mouth.....		6,419			86			

CATCH: BY GEAR

Species	Gill nets				Trammel net		Lines	
	Runaround		Stake				Hand	
Croaker.....	<i>Pounds</i>	<i>Value</i>	<i>Pounds</i>	<i>Value</i>	<i>Pounds</i>	<i>Value</i>	<i>Pounds</i>	<i>Value</i>
Drum:								
Black.....	169,000	8,450	197,400	9,870	45,700	2,285	53,300	2,665
Red or redfish.....	57,100	6,281	92,700	10,197	76,600	8,426	19,300	2,123
Groupers.....							84,600	4,230
Jewfish.....							10,000	400
Mullet.....	300	9			1,200	36		
Pompano.....	1,900	418			2,200	484		
Sea catfish.....	2,800	112	900	36	800	32	3,100	124
Sheepshead, salt-water.....	1,300	65	600	30	12,500	625	600	30
Snapper, red.....							1,233,100	118,377
Snook or sergeantfish.....	800	64	600	48	2,200	176	3,500	280
Spanish mackerel.....	200	22					5,800	637
Squeteagues or "sea trout":								
Spotted.....	230,900	27,708	281,500	33,780	138,900	16,668	75,200	9,024
White.....	200	8			2,400	96		
Total.....	468,100	43,288	576,500	54,079	285,700	28,966	1,489,100	137,914

Fisheries of Texas, 1940—Continued

CATCH: BY GEAR—Continued

Species	Lines—Continued						Dip nets	
	Troll		Trot with baits or snoods		Trot with hooks			
	Pounds 100	Value \$8	Pounds	Value	Pounds	Value	Pounds	Value
Crevalle.....								
Drum:								
Black.....					26,300	\$1,315		
Red or redbfish.....					19,400	2,234		
Kingfish or "king mackerel".....	1,200	72						
Sea catfish.....					6,100	244		
Squeteagues or "sea trout", spotted.....					25,900	3,108		
Crabs, hard.....			117,700	\$2,692			78,600	\$2,034
Total.....	1,300	80	117,700	2,692	77,700	6,901	78,600	2,034

Species	Cast nets		Otter trawls		Pots, crab		Spears	
	Pounds	Value	Pounds	Value	Pounds	Value	Pounds	Value
Flounders.....							101,900	\$14,266
King whiting or "kingfish".....			36,600	\$1,464				
Crabs, hard.....					56,100	\$1,571		
Shrimp.....	10,300	\$412	14,768,900	590,756				
Squid.....			3,500	70				
Total.....	10,300	412	14,809,000	592,290	56,100	1,571	101,900	14,266

Species	Dredges		Tongs		By hand	
	Pounds	Value	Pounds	Value	Pounds	Value
Oysters, market:						
Public, spring.....	481,200	\$38,736	324,900	\$28,329	400	\$32
Public, fall.....	310,300	25,533	178,500	15,411		
Private, fall.....			1,900	163		
Total.....	791,500	64,269	505,300	43,903	400	32

FISHERIES OF THE PACIFIC COAST STATES ⁷

The yield of the commercial fisheries of the Pacific Coast States (Washington, Oregon, and California) during 1940 amounted to 1,456,280,900 pounds, valued at \$29,577,930 to the fishermen, representing a decrease of 15 percent in volume but an increase of 8 percent in value as compared with the catch in the previous year. These fisheries gave employment to 25,183 fishermen as compared with 25,002 in 1939.

There were 351 fishery wholesale and manufacturing establishments in the 3 States in 1940 as compared with 341 in 1939. During 1940 these establishments employed 19,109 persons, paid \$11,449,359 in salaries and wages, and produced manufactured products (canned, cured, packaged, and byproducts) valued at \$62,631,235. In 1939 the wholesale and manufacturing firms employed 19,001 persons, paid \$11,384,128 in salaries and wages, and produced manufactured products valued at \$60,097,926.

⁷ Data on the operating units and catch of the fisheries of the Pacific Coast States have been taken largely from statistics collected by the various State agencies. Supplementary surveys, compilations, and analyses have been made by agents of the Fish and Wildlife Service in order that the figures may be presented in a manner comparable with those of other sections. While statistics of the fisheries of California are for the calendar year, those for Oregon and Washington are for the fiscal year ending March 31, 1940, except that statistics of the halibut fishery in these latter States are for the calendar year.

Fisheries of the Pacific Coast States, 1940

SUMMARY OF CATCH

Product	Washington		Oregon	
	Pounds	Value	Pounds	Value
Fish.....	95,208,600	\$5,595,957	46,909,600	\$2,378,040
Shellfish, etc.....	16,423,600	1,080,330	7,293,200	363,727
Total.....	111,632,200	6,676,287	54,202,800	2,741,767

Product	California		Total	
	Pounds	Value	Pounds	Value
Fish.....	1,279,874,400	\$19,480,529	1,421,992,600	\$27,454,526
Shellfish, etc.....	9,771,200	649,936	33,488,000	2,093,993
Whale products.....	800,300	29,411	800,300	29,411
Total.....	1,290,445,900	20,159,876	1,456,280,900	29,577,930

OPERATING UNITS: BY STATES

Item	Washington				Oregon		
	Puget Sound district	Coastal district	Columbia River district	Total	Columbia River district	Coastal district	Total
Fishermen:							
On vessels.....	3,469	114	22	3,605	244	174	418
On boats and shore.....	1,953	5,451	932	8,336	2,031	1,538	3,569
Total.....	5,422	5,565	954	11,941	2,275	1,712	3,987
Vessels:							
Motor.....	616	53	11	680	101	70	171
Net tonnage.....	12,548	477	87	13,112	1,120	729	1,849
Sail.....	3			3			
Net tonnage.....	1,421			1,421			
Total vessels.....	619	53	11	683	101	70	171
Total net tonnage.....	13,969	477	87	14,533	1,120	729	1,849
Boats:							
Motor.....	850	419	581	1,850	1,011	883	1,894
Other.....	491	278	17	786	84	126	210
Accessory boats.....	236			236			
Apparatus:							
Purse seines:							
Salmon.....	156			156			
Length, yards.....	85,800			85,800			
Sardine ¹	33			33			
Length, yards.....	15,378			15,378			
Haul seines.....	187	4	6	197	36	6	42
Length, yards.....	13,753	280	600	14,633	18,663	1,020	19,683
Gill nets:							
Drift.....	378	221	438	1,037	667	500	1,167
Square yards.....	570,780	416,364	1,212,384	2,199,528	2,125,060	704,500	2,829,560
Set.....	17	120		137	178	928	1,106
Square yards.....	4,080	26,500		30,580	49,840	265,408	315,248
Lines:							
Trawl, set and hand.....	26,212		67	26,279	939	1,596	2,535
Hooks.....	575,970		6,700	582,670	23,020	28,730	51,750
Troll.....	2,165	610	362	3,137	1,362	1,217	2,579
Hooks.....	9,570	2,696	1,600	13,866	6,020	5,380	11,400
Pound nets.....	3			3	39		39
Brush weirs.....	5			5			
Dip nets.....	14	151	355	520	286		286
Reef nets.....	75			75			
Beam trawls.....	11			11			
Yards at mouth.....	73			73			
Otter trawls.....	77	3		80	11	7	18
Yards at mouth.....	1,155	45		1,200	174	105	279
Traps:							
Crab.....	2,080	3,780		5,860		17,680	17,680
Crawfish.....					1,050		1,050
Octopus.....	200			200			
Dredges, oyster.....		4		4			
Yards at mouth.....		8		8			
Tongs and rakes.....	135	225		360		30	30
Shovels.....	216	4,731		4,947		352	352

¹ Used in the pileard fishery off the Washington and Oregon coasts.² Fished only on Indian reservations.

Fisheries of the Pacific Coast States, 1940—Continued

OPERATING UNITS: BY STATES—Continued

Item	California					Total	Grand total
	North- ern district	San Fran- cisco district	Mon- terey district	San Pedro district	San Diego district		
Fishermen:	<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>Number</i>
On vessels.....	49	920	956	2,713	1,208	5,846	9,869
On boats and shore.....	266	867	469	1,586	221	3,409	15,314
Total.....	315	1,787	1,425	4,299	1,429	9,255	25,183
Vessels:							
Motor.....	25	123	97	353	111	709	1,560
Net tonnage.....	184	4,163	4,728	12,283	7,937	29,295	44,256
Sail.....							3
Net tonnage.....							1,421
Total vessels.....	25	123	97	353	111	709	1,563
Total net tonnage.....	184	4,163	4,728	12,283	7,937	29,295	45,677
Boats:							
Motor.....	202	534	245	868	108	1,957	5,701
Other.....		8	10	21		39	1,035
Accessory boats.....		41	101	301	127	570	806
Apparatus:							
Purse seines:							
Mackerel.....				6		6	6
Length, yards.....				2,540		2,540	2,540
Salmon.....							156
Length, yards.....							85,800
Pilchard or sardine.....		57	70	119		246	279
Length, yards.....		23,205	29,806	51,640		104,651	120,029
Tuna.....		8	11	102		121	121
Length, yards.....		5,387	7,110	63,546		76,043	76,043
Lampara and ring nets:							
Mackerel.....				43	22	65	65
Length, yards.....				27,125	7,822	34,947	34,947
Pilchard or sardine.....		5	5	46	13	69	6
Length, yards.....		1,488	1,640	24,526	5,102	32,756	32,756
Tuna.....				21		21	21
Length, yards.....				13,330		13,330	13,330
Other.....		2	18	59	5	84	84
Length, yards.....		320	3,998	13,477	1,170	18,965	18,965
Haul seines							239
Length, yards.....							34,316
Gill nets:							
Drift:							
Barracuda.....				27	13	40	40
Square yards.....				127,392	68,052	195,444	195,444
Salmon.....		161				161	2,365
Square yards.....		502,964				502,964	5,532,052
Sea bass.....		4	22			26	26
Square yards.....		10,800	64,020			74,820	74,820
Shad.....		127				127	127
Square yards.....		516,255				516,255	516,255
Set:							
"California halibut" Square yards.....			7			7	7
Crab.....			11,536			11,536	11,536
Square yards.....			4			4	4
Salmon.....			11,200			11,200	11,200
Square yards.....							1,243
Sea bass.....				30	13	43	43
Square yards.....				126,218	50,950	177,168	177,168
Shark.....		2	24	7	2	35	35
Square yards.....		8,640	121,137	16,800	10,200	156,777	156,777
Miscellaneous.....	15	38	35	23	11	122	122
Square yards.....	12,600	43,161	29,166	25,155	14,180	124,262	124,262
Trammel nets				24	7	31	31
Square yards.....				160,526	44,308	204,834	20,483

Fisheries of the Pacific Coast States, 1940—Continued

OPERATING UNITS: BY STATES—Continued

Item	California						Grand total
	North- ern district	San Fran- cisco district	Mon- terey district	San Pedro district	San Diego district	Total	
Apparatus—Continued.							
Lines:	<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>Number</i>
Trawl, set, and hand...	485	2,814	1,073	2,850	1,455	8,677	37,491
Hooks	30,725	180,064	73,358	290,865	54,219	629,231	1,263,651
Troll	1,367	2,300	2,433	3,054	418	9,662	15,378
Hooks	5,324	6,690	6,844	3,110	418	22,386	47,652
Pound nets							42
Brush weirs							5
Fyke nets		1,965				1,965	1,965
Dip nets	43	4				47	853
Bag nets, shrimp		8				8	8
Length, yards		6,032				6,032	6,032
Reef nets							75
Paranzella nets		9		3		12	12
Yards at mouth		150		50		200	200
Beam trawls		12				12	23
Yards at mouth		80				80	153
Otter trawls		4	3	1		8	106
Yards at mouth		45	42	15		102	1,581
Traps:							
Crab	2,044	4,830	63			6,937	30,477
Crawfish							1,050
Octopus			75			75	275
Sea crawfish				4,273	927	5,200	5,200
Harpoons:							
Swordfish				75	21	96	96
Whale		1				1	1
Dredges, oyster							4
Yards at mouth							13
Tongs and rakes	3	15		5		23	473
Shovels	14	62	31	67		174	5,426
Abalone outfits			10	16		26	8

NOTE.—Data on the fisheries of the Pacific Coast States were obtained largely from records compiled by the individual State Fishery Departments. Statistics on the operating units for Washington include 53 motor vessels, having a total capacity of 2,528 net tons, and a total crew of 446 fishermen, which also fished in California waters and contributed to the catch in that State. The following gear was operated by these craft in California: 33 pilchard or sardine purse seines, 6 tuna purse seines, 38 troll lines, and 352 set and hand lines. Operating units for Oregon include 18 motor vessels, having a total capacity of 267 net tons, 4 motor boats, and 61 fishermen, which also operated in California waters and contributed to the catch in that State. These craft operated the following gear in California: 2 pilchard or sardine purse seines, 80 crab traps, 76 troll lines, and 132 set and hand lines. Data on the operating units for California include 11 motor vessels, having a total capacity of 721 net tons, and a total crew of 126 fishermen, which also operated pilchard or sardine purse seines in Oregon waters and contributed to the catch in that State. There were no California purse seines operating in the Washington pilchard or sardine fishery during 1940.

CATCH: BY STATES

Species	Washington		Oregon	
	<i>Pounds</i>	<i>Value</i>	<i>Pounds</i>	<i>Value</i>
FISH				
Carp	290,000	\$8,700		
Cod	11,196,400	159,222		
Flounders:				
Sole	5,702,500	164,234	2,818,400	\$38,582
Other	557,800	10,735	1,295,500	13,927
Halibut	22,747,100	2,262,223	737,700	67,130
Herring	551,000	10,469	56,300	984
"Lingcod"	2,985,700	74,087	416,100	7,888
Perch	117,200	3,165	14,800	369
Pilchard or sardine	1,645,900	8,410	6,324,600	31,623
Ratfish	1,850,600	6,477		
Rockfishes	1,122,100	34,635	619,300	10,590
Sablefish	2,520,800	107,858	66,600	2,540
Salmon:				
Blueback, red, or sockeye	5,599,900	714,781	254,700	34,130
Chinook or king	11,897,000	987,868	12,115,100	904,930
Chum or keta	7,824,700	226,210	1,303,600	26,072
Humpback or pink	149,000	3,904		
Silver or coho	9,415,300	571,550	6,144,600	368,448
Shad	106,100	3,374	775,500	24,714
Sharks, including grayfish	3,467,500	45,508	1,604,800	34,033
Skates	923,200	1,385	43,100	138

Fisheries of the Pacific Coast States, 1940—Continued

CATCH: BY STATES—Continued

Species	Washington		Oregon	
	Pounds	Value	Pounds	Value
FISH—continued				
Smelts:				
Eulachon.....	2, 263, 100	\$49, 265	152, 200	\$5, 143
Other.....	506, 300	21, 732	300	10
Steelhead trout.....	418, 000	26, 522	2, 737, 800	167, 545
Striped bass.....			64, 100	3, 205
Sturgeon.....	21, 100	1, 343	78, 300	2, 896
Tuna, albacore.....	1, 330, 300	92, 300	9, 286, 200	633, 143
Total.....	92, 208, 600	5, 595, 957	46, 909, 600	2, 378, 040
SHELLFISH, ETC.				
Crabs.....	4, 932, 200	231, 898	6, 045, 600	266, 611
Crawfish, fresh-water.....			100, 400	11, 476
Shrimp.....	55, 300	5, 447		
Clams:				
Hard.....	499, 700	43, 511		
Razor.....	923, 700	116, 193	153, 700	27, 306
Mixed.....			68, 700	5, 838
Octopus.....	36, 000	1, 404		
Oysters, market:				
Pacific.....	9, 659, 900	540, 955	923, 500	51, 716
Western or native.....	222, 700	133, 287	1, 300	780
Scallops, bay.....	21, 800	5, 515		
Squid.....	62, 300	1, 620		
Trepang.....	10, 000	500		
Total.....	16, 423, 600	1, 080, 330	7, 293, 200	363, 727
Grand total.....	111, 632, 200	6, 676, 287	54, 202, 800	2, 741, 767

Species	California ¹		Total	
	Pounds	Value	Pounds	Value
FISH				
Anchovies.....	6, 317, 800	\$57, 636	6, 317, 800	\$57, 636
Barracuda.....	3, 697, 300	172, 989	3, 697, 300	172, 989
Cabrilla.....	90, 600	3, 623	90, 600	3, 623
Carp.....	10, 100	234	300, 100	8, 934
Catfish.....	151, 600	21, 702	151, 600	21, 702
Cod.....			11, 196, 400	159, 222
Flounders:				
"California halibut".....	1, 008, 100	83, 426	1, 008, 100	83, 426
"Sole".....	7, 387, 800	228, 746	15, 908, 700	431, 562
Other.....	1, 645, 300	55, 171	3, 498, 600	79, 833
Flyingfish.....	37, 700	1, 482	37, 700	1, 482
Groupers.....	78, 800	3, 292	78, 800	3, 292
Hake.....	18, 000	228	18, 000	228
Halibut.....	248, 300	18, 545	23, 733, 100	2, 347, 898
Hardhead.....	5, 000	741	5, 000	741
Herring.....	453, 200	2, 614	1, 060, 500	14, 067
Horse mackerel.....	1, 432, 600	22, 821	1, 432, 600	22, 821
Kingfish.....	412, 200	10, 539	412, 200	10, 539
"Lingcod".....	691, 600	24, 156	4, 093, 400	106, 131
Mackerel.....	120, 503, 700	1, 280, 003	120, 503, 700	1, 280, 003
Mullet.....	2, 000	152	2, 000	152
Perch.....	58, 300	2, 776	190, 300	6, 310
Pilchard or sardine.....	905, 973, 400	4, 796, 162	913, 943, 900	4, 836, 195
Pompano.....	10, 700	1, 931	10, 700	1, 931
Ratfish.....			1, 850, 600	6, 477
Rock bass.....	245, 500	15, 300	245, 500	15, 300
Rockfishes.....	3, 570, 000	141, 714	5, 311, 400	186, 939
Sablefish.....	573, 800	17, 919	3, 161, 200	128, 317
Salmon:				
Blueback, red, or sockeye.....			5, 854, 600	748, 911
Chinook or king.....	6, 675, 400	530, 745	30, 687, 500	2, 423, 543
Chum or keta.....			9, 128, 300	252, 282
Humpback or pink.....			149, 000	3, 904
Silver or coho.....			15, 559, 900	939, 998
Sculpin.....	122, 200	8, 920	122, 200	8, 920
Sea bass:				
Black.....	365, 400	20, 461	365, 400	20, 461
White.....	912, 800	70, 238	912, 800	70, 238
Shad.....	1, 764, 000	52, 561	2, 645, 600	80, 649
Sharks, including grayfish.....	7, 813, 000	436, 875	12, 885, 300	516, 416
Sheepshead.....	61, 900	2, 198	61, 900	2, 198
Skates.....	238, 300	2, 574	1, 204, 600	4, 097
Smelts:				
Eulachon.....			2, 415, 300	54, 408
Other.....	449, 100	16, 797	955, 700	38, 539

¹ Includes the catch taken off Latin America.

Fisheries of the Pacific Coast States, 1940—Continued

CATCH: BY STATES—Continued

Species	California		Total	
	Pounds	Value	Pounds	Value
FISH—continued				
Spanish mackerel.....	2,900	\$173	2,900	\$173
Splittail.....	12,100	434	12,100	434
Steelhead trout.....			3,155,800	194,067
Striped bass.....			64,100	3,205
Sturgeon.....			99,400	4,239
Swordfish.....	886,900	118,059	886,900	118,059
Tomcod.....	4,600	182	4,600	182
Tuna and tunalike fishes:				
Albacore.....	3,885,300	270,953	14,501,800	996,396
Bluefin.....	19,970,300	1,116,517	19,970,300	1,116,517
Bonito.....	5,291,000	196,128	5,291,000	196,128
Skipjack or striped tuna.....	56,650,200	2,742,859	56,650,200	2,742,859
Yellowfin.....	113,759,900	6,707,401	113,759,900	6,707,401
Whitebait.....	127,400	8,890	127,400	8,890
Whitefish.....	59,600	2,728	59,600	2,728
Yellowtail.....	5,956,800	203,220	5,956,800	203,220
Other fish.....	241,900	7,714	241,900	7,714
Total.....	1,279,874,400	18,480,529	1,421,992,600	27,454,526
SHELLFISH, ETC.				
Crabs.....	5,154,500	301,361	16,132,300	799,870
Crawfish, fresh-water.....			100,400	11,476
Sea crawfish or spiny lobster.....	1,096,800	169,905	1,096,800	169,905
Shrimp.....	1,082,600	13,535	1,137,900	18,982
Abalone.....	344,800	92,744	344,800	92,744
Clams:				
Hard.....	9,800	2,006	509,500	45,517
Pismo.....	41,900	8,499	41,900	8,499
Razor.....			1,077,400	143,499
Soft.....	20,200	2,890	20,200	2,890
Mixed.....			68,700	5,838
Octopus.....	26,600	1,751	62,600	3,155
Oysters, market:				
Eastern.....	18,100	7,938	18,100	7,938
Pacific.....	172,300	17,396	10,755,700	610,067
Western or native.....	3,000	1,754	227,000	135,821
Scallops, bay.....			21,800	5,515
Squid.....	1,800,600	30,157	1,862,000	31,777
Trepang.....			10,000	500
Total.....	9,771,200	649,936	33,488,000	2,093,993
WHALE PRODUCTS				
Whale meat.....	293,600	6,481	293,600	6,481
Whale oil.....	465,200	21,856	465,200	21,856
Other whale products ²	41,500	1,074	41,500	1,074
Total.....	800,300	29,411	800,300	29,411
Grand total.....	1,299,445,900	20,159,876	1,456,280,900	29,577,930

² Includes whale meal, livers, and scrap.

Industries related to the fisheries of the Pacific Coast States, 1940

OPERATING UNITS, SALARIES, AND WAGES

Item	Washington	Oregon	California	Total
Transporting:				
Persons engaged, on vessels.....	Number 100	Number 22	Number 19	Number 141
Vessels, motor.....	36	17	5	58
Net tonnage.....	757	194	138	1,089
Wholesale and manufacturing:				
Establishments.....	115	54	182	351
Persons engaged:				
Proprietors.....	87	46	224	357
Salaried employees.....	269	122	929	1,320
Wage earners:				
Average for season.....	2,840	1,766	12,826	17,432
Average for year.....	1,186	848	4,157	6,191
Paid to salaried employees.....	\$623,498	\$276,375	\$2,421,572	\$3,321,445
Paid to wage earners.....	\$1,329,504	\$870,925	\$5,927,485	\$8,127,914
Total salaries and wages.....	\$1,953,002	\$1,147,300	\$8,349,057	\$11,449,359
Fishermen manufacturing.....	153	30	39	222

Industries related to the fisheries of the Pacific Coast States, 1940—Continued

PRODUCTS MANUFACTURED

Item	Washington		Oregon		California	
	Quantity	Value	Quantity	Value	Quantity	Value
By manufacturing establishments:						
Barracuda, fresh fillets..... pounds					75,000	\$11,000
Cabrilla, fresh fillets..... do					50,000	11,600
Cod:						
Fresh fillets..... do	65,604	\$6,876				
Salted:						
Dry, partly boned..... do	2,163,507	168,444			(1)	(1)
Boneless and absolutely boneless pounds.....	665,518	106,215			318,018	65,489
Flounders:						
Fresh fillets..... do	1,482,753	150,696	445,491	\$46,851	439,400	77,692
Fresh steaks..... do					65,000	15,800
Frozen fillets..... do	126,935	13,181				
Herring, sea, spiced..... do	18,890	2,614				
"Lingcod":						
Fresh fillets..... do	130,714	10,591	(1)	(1)		
Frozen fillets..... do	34,865	3,118				
Mackerel, canned..... standard cases					1,400,016	3,986,695
Pilchard or sardine:						
Canned..... do					2,945,882	8,975,257
Meal..... tons	189	7,967	587	24,327	69,199	2,975,411
Oil..... gallons	46,325	11,628	111,940	28,271	12,468,584	3,721,261
Rockfishes, fresh fillets..... pounds	79,603	7,479	21,327	2,270	612,000	94,790
Sablefish:						
Kipperd..... do	223,373	37,855			390,496	80,116
Salted..... do	58,090	3,281				
Salmon:						
Salted:						
Mild-cured..... do	3,414,675	707,633	(1)	(1)	848,610	173,412
Eggs for caviar..... do	291,518	26,856				
Kipperd..... do	1,118,013	224,380	(1)	(1)	(1)	(1)
Smoked..... do	400,249	66,464	41,012	12,853	362,039	148,388
Canned:						
Blueback, red, or sockeye standard cases.....	67,489	1,134,967	18,962	372,089		
Chinook or king..... do	66,304	923,092	172,121	2,247,903		
Chum or keta..... do	36,754	196,417	26,309	137,181		
Humpback or pink..... do	2,234	14,304				
Silver or coho..... do	45,062	406,843	61,997	706,595		
Steelhead trout..... do	10,261	109,165	28,170	326,620		
Eggs for bait..... do	8,423	118,991	(1)	(1)		
Meal..... tons	378	16,274	(1)	(1)		
Oil, edible..... gallons	(1)	(1)	31,205	47,733		
Sea bass:						
Black, fresh steaks..... pounds					85,000	17,000
White, fresh fillets..... do					40,000	8,500
Shad:						
Canned..... standard cases	2,093	6,279	4,141	12,508	(1)	(1)
Roe, canned..... do	(1)	(1)	2,241	76,056	(1)	(1)
Sharks, including grayfish:						
Fresh fillets..... pounds					175,000	19,500
Oil:						
Body..... gallons	32,389	14,386	(1)	(1)		
Liver..... do	50,303	95,661	(1)	(1)	149,159	965,129
Meal..... tons	378	18,475	(1)	(1)	(1)	(1)
Sheepshead, fresh fillets..... pounds					15,000	2,250
Swordfish, fresh steaks..... do					110,000	32,300
Totuava, fresh steaks..... do					725,000	201,500
Tuna and tunalike fishes:						
Canned:						
Albacore..... standard cases	9,971	66,042	199,643	1,282,432	174,254	1,019,043
Bluefin..... do					320,766	1,649,777
Bonito..... do					108,774	461,219
Striped..... do					817,018	4,297,095
"Tonno"..... do					377,212	2,778,002
Yellowfin..... do					2,091,708	11,792,095
Yellowtail..... do					85,216	339,878
Oil:						
Body..... gallons			23,973	7,705	(1)	(1)
Liver..... do	(1)	(1)	(1)	(1)	213,146	2,129,034
Crabs:						
Meat, packaged, fresh-cooked						
Canned..... standard cases	337,351	119,320	939,695	254,170	103,272	38,947
Abalone, steaks..... pounds	4,317	63,629	1,896	27,236	333,991	126,716
Clams, hard:						
Fresh shucked..... gallons	2,406	3,580				
Canned:						
Whole..... standard cases	11,549	50,410				
Minced..... do	12,535	62,472				
Juice..... do	4,115	8,471				

See footnotes at end of table.

Industries related to the fisheries of the Pacific Coast States, 1940—Continued

PRODUCTS MANUFACTURED—Continued

Item	Washington		Oregon		California	
	Quantity	Value	Quantity	Value	Quantity	Value
By manufacturing establishments—Con.						
Clams, razor:						
Canned:						
Whole..... standard cases	1,043	\$4,206	(1)	(1)		
Minced..... do	36,392	273,881	(1)	(1)		
Oysters:						
Pacific:						
Fresh shucked..... gallons	344,755	430,408	114,970	\$138,669	18,677	\$30,584
Canned..... standard cases	127,407	502,036	(1)	(1)		
Smoked, canned..... do	597	16,899	(1)	(1)		
Western or native, fresh-shucked						
gallons	14,667	109,264	9,322	68,920	4,178	37,602
Shell products:						
Poultry feed..... tons	6,273	60,158	(1)	(1)	13,666	73,031
Lime..... do	3,491	20,260	(1)	(1)	(1)	(1)
Squid, canned..... standard cases					22,475	78,364
Whale products:						
Meal..... tons					5	125
Oil:						
Whale..... gallons					50,662	18,117
Sperm..... do					9,435	3,739
Unclassified:						
Packaged..... pounds	³ 192,660	³ 33,995	(4)	(4)		
Cured..... do	⁴ 73,640	⁴ 5,999	⁶ 91,901	⁶ 13,580	⁷ 638,328	⁷ 101,594
Canned:						
Cat and dog food standard cases					475,527	1,468,963
Other..... do	⁸ 1,654	⁸ 25,066	⁹ 23,706	⁹ 105,868	¹⁰ 14,188	¹⁰ 103,007
Oil:						
Tuna and mackerel..... gallons					423,353	116,096
Other..... do	¹¹ 107,576	¹¹ 613,406	(4)	(4)	(1)	(1)
Meal, tuna and mackerel..... tons			(4)	(4)	14,609	566,257
Miscellaneous.....		¹¹ 27,295		¹³ 88,547		¹⁴ 649,547
Total.....		7,110,929		6,028,384		49,491,922
By fishermen:						
Cod, salted:						
Green..... pounds	3,202,700	136,115				
Tongues..... do	44,395	4,763				
Herring, sea, smoked..... do					37,000	3,700
Sablefish, salted..... do	122,200	6,721				
Crab meat, packaged, fresh-cooked..... do			5,176	1,553		
Shrimp:						
Sun-dried..... pounds					138,722	34,680
Bran..... tons					131	2,620
Clams, mixed, fresh-shucked..... gallons			1,193	1,551		
Scallops, bay, fresh-shucked..... do	553	1,245				
Total.....		148,844		3,104		41,000
Grand total.....		7,259,773		6,031,488		49,532,922

¹ This item has been included under "Unclassified products."

² This item is usually an intermediate product and, although included in the total, may be shown in its final stage of processing in this or another State.

³ Includes frozen filets of cod and rockfishes, and frozen steaks of halibut and salmon.

⁴ This item has been included under "Miscellaneous."

⁵ Includes salted salmon bellies and sturgeon caviar, and smoked sea herring.

⁶ Includes kippered salmon, sturgeon and albacore tuna, and mild-cured salmon.

⁷ Includes dry-salted barracuda, bonito, jewfish filets, mackerel, pilchards, black sea bass, tuna filets, and yellowtail; partly boned cod; hard-salted salmon; smoked barracuda, chub, sea herring, whitefish; and kippered salmon.

⁸ Includes canned shad roe, smoked crab meat, hard clam chowder, and fish cakes, balls, etc.

⁹ Includes canned salmon eggs for bait, kippered sturgeon, whole and minced razor clams, razor clam juice, Pacific oysters, and smoked Pacific oysters.

¹⁰ Includes canned shad, shad roe, tuna roe, and fish paste.

¹¹ Includes flounder, halibut, sablefish and tuna liver oils; industrial and edible salmon oils, and miscellaneous fish oils.

¹² Includes fresh-shucked bay scallops, and clam-shell poultry feed and lime.

¹³ Includes fresh filets of "lingcod", fresh-shucked Eastern oysters, shark and tuna liver oils, shark body oil, salmon, shark and tuna meals, and oyster-shell poultry feed and lime.

¹⁴ Includes halibut liver and miscellaneous fish oils, shark, abalone, and miscellaneous fish meals, agar agar, liquid glue, marine-shell novelties, kelp products, oyster-shell lime, and miscellaneous dry scrap.

NOTE.—The total value of manufactured products in the Pacific Coast States was as follows: By manufacturing establishments, \$62,631,235, and by fishermen, \$192,948. Some of the above products may have been imported from another State or foreign country; therefore, they cannot be correlated directly with the catch within the State. All persons engaged in the preparation of fishermen's prepared products have also been included as fishermen.

WASHINGTON

Fisheries of Washington, 1940

CATCH: BY DISTRICTS

Species	Puget Sound district		Coastal district		Columbia River district	
	Pounds	Value	Pounds	Value	Pounds	Value
FISH						
Carp.....					290,000	\$8,700
Cod ¹	11,189,000	\$159,015	7,400	\$207		
Flounders:						
" Sole".....	5,451,200	156,995	251,300	7,239		
Other.....	466,000	9,413	26,500	669	65,300	653
Grayfish.....	3,341,100	36,504	2,700	8	2,700	25
Halibut.....	22,714,500	2,259,160	31,700	2,948	900	115
Herring.....	551,000	10,469				
"Lingcod".....	2,890,500	72,297	93,200	1,731	2,000	59
Perch.....	117,200	3,165				
Pilchard or sardine.....	13,100	246	1,632,800	8,164		
Ratfish.....	1,850,600	6,477				
Rockfishes.....	965,800	30,868	148,800	3,589	7,500	178
Sablefish.....	2,408,100	104,089	8,700	127	104,000	3,642
Salmon:						
Blueback, red, or sockeye.....	4,289,800	539,228	1,203,000	161,202	107,100	14,351
Chinook or king.....	6,186,900	528,016	1,830,100	174,932	3,880,000	284,920
Chum or keta.....	6,039,000	180,567	1,241,100	34,751	544,600	10,892
Humpback or pink.....	149,000	3,904				
Silver or coho.....	5,901,000	332,366	2,508,800	175,448	1,005,500	63,741
Shad.....					106,100	3,374
Shark, soupfin.....	118,000	8,729			3,000	242
Skates.....	923,200	1,385				
Smelt:						
Eulachon.....			198,700	11,485	2,064,400	37,780
Surf or silver.....	325,000	14,951	181,300	6,781		
Steelhead trout.....			36,000	3,600	382,000	22,922
Sturgeon.....			6,100	789	15,000	554
Tuna, albacore.....	307,100	22,111	732,100	50,220	291,100	19,969
Total.....	76,197,100	4,479,955	10,140,300	643,885	8,871,200	472,117
SHELLFISH, ETC.						
Crabs.....	330,500	7,337	4,601,700	224,561		
Shrimp.....	55,300	5,447				
Clams:						
Hard:						
Butter.....	244,000	19,910				
Little neck.....	255,700	23,601				
Razor.....			923,700	116,193		
Octopus.....	36,000	1,404				
Oysters, market:						
Pacific.....	1,115,000	62,439	8,544,900	478,516		
Western or native.....	222,700	133,287				
Scallops, bay.....	21,800	5,515				
Squid.....	62,300	1,620				
Trepang.....	10,000	500				
Total.....	2,353,300	261,060	14,070,300	819,270		
Grand total.....	78,550,400	4,741,015	24,210,600	1,463,155	8,871,200	472,117

¹ Nearly all of the cod were taken off Alaska.

Fisheries of the Puget Sound District of Washington, 1940

OPERATING UNITS: BY GEAR

Item	Purse seines		Haul seines	Gill nets		Lines		Pound nets ¹	Brush weirs
	Salmon	Sardine ²		Drift	Set ²	Trawl, set, and hand	Troll		
	Number	Number	Number	Number	Number	Number	Number	Number	Number
Fishermen:									
On vessels	1,212	360	30	19		1,301	474		
On boats and shore	16		445	395	17	280	302	6	7
Total	1,228	360	475	414	17	1,581	776	6	7
Vessels:									
Motor	152	33	7	9		169	227		
Net tonnage	3,504	2,165	71	64		4,472	1,900		
Sail						3			
Net tonnage						1,421			
Total vessels	152	33	7	9		172	227		
Total net tonnage	3,504	2,165	71	64		5,893	1,900		
Boats:									
Motor	4		106	369	17	101	206	3	3
Other			74			152			3
Accessory boats	156	33				47			
Apparatus:									
Number	156	33	187	378	17	26,212	2,165	3	5
Length, yards	85,800	15,378	13,753						
Square yards				570,780	4,080				
Hooks						575,970	9,570		
Item	Dip nets	Reef nets	Beam trawls	Otter trawls	Traps		Tongs and rakes, oyster	Shovels	Total, exclusive of duplication
					Crab	Octopus			
	Number	Number	Number	Number	Number	Number	Number	Number	Number
Fishermen:									
On vessels			18	244	3				3,469
On boats and shore	14	300	15	15	60	8	135	216	1,953
Total	14	300	33	259	63	8	135	216	5,422
Vessels:									
Motor			6	72	1				616
Net tonnage			41	1,463	9				12,548
Sail									3
Net tonnage									1,421
Total vessels			6	72	1				619
Total net tonnage			41	1,463	9				13,969
Boats:									
Motor	14		5	5	51	6	35		850
Other		150			10	2	100		491
Accessory boats									236
Apparatus:									
Number	14	75	11	77	2,080	200	135	216	
Yards at mouth			73	1,155					

¹ Operated in the Washington coast, Oregon, and California pilchard fishery. Of the total purse seine vessels operated in Washington, 53 were used in the pilchard fishery in California as well as in the Northwest fishery for this species, while 2 also operated in the halibut fishery out of Puget Sound.

² Fished only on Indian reservations.

Fisheries of the Puget Sound District of Washington, 1940—Continued

CATCH: BY GEAR

Species	Purse seines		Haul seines ¹		Gill nets			
					Drift		Set ²	
	Pounds	Value	Pounds	Value	Pounds	Value	Pounds	Value
FISH								
Cod.....	100	\$3	1,400	\$37			1,100	\$29
Flounders, "sole".....	1,500	43	13,900	400	200	\$6	1,800	52
Grayfish ⁴			225,000	2,452			213,400	2,326
Herring.....			47,900	910				
"Lingcod".....	2,300	36	2,300	36			6,100	96
Perch.....			102,100	2,757			600	16
Pilchard or sardine.....			13,000	244				
Ratfish.....			2,200	8				
Rockfishes.....	600	12	7,400	148			600	11
Salmon: ⁵								
Blueback, red, or sockeye.....	3,362,600	422,679			377,600	47,464		
Chinook or king.....	412,300	14,637	15,300	543	1,326,900	47,105	27,200	966
Chum or keta.....	4,502,200	134,616	22,300	667	843,000	25,206	583,600	17,450
Humpback or pink.....	147,100	3,854			1,400	37		
Silver or coho.....	2,432,600	109,224	12,000	539	1,046,500	46,988	111,300	4,997
Skate.....			1,700	3				
Smelt, surf or silver.....			324,700	14,936				
Total.....	10,861,300	685,104	791,200	23,680	3,595,600	166,806	945,700	25,943
SHELLFISH, ETC.								
Squid.....			62,300	1,620				
Octopus.....			400	16			200	8
Trepang.....			10,000	500				
Total.....			72,700	2,136			200	8
Grand total.....	10,861,300	685,104	863,900	25,816	3,595,600	166,806	945,900	25,951

Species	Lines				Pound nets ²		Brush weirs	
	Trawl, set, and hand		Troll					
	Pounds	Value	Pounds	Value	Pounds	Value	Pounds	Value
FISH								
Cod.....	³ 10,333,300	\$136,168						
Flounders, "sole".....	700	20	200	\$6				
Grayfish ⁴	719,800	7,846			19,700	\$215		
Halibut.....	22,642,300	2,253,094	40,800	3,540			498,600	\$9,473
Herring.....								
"Lingcod".....	1,572,700	51,535	149,200	2,299				
Perch.....	400	11	1,100	30				
Ratfish.....	10,900	38						
Rockfishes.....	357,800	16,735	900	17				
Sablefish.....	2,260,800	101,323						
Salmon: ⁵								
Blueback, red, or sockeye.....					14,000	1,760		
Chinook or king.....			4,295,400	460,867	65,500	2,325		
Chum or keta.....			400	12	38,900	1,163		
Humpback or pink.....			200	5				
Silver or coho.....			2,153,700	164,112	22,600	1,015		
Shark, soupfin ⁴	118,000	8,729						
Skate.....	69,300	104						
Tuna, albacore.....			307,100	22,111				
Total.....	38,086,000	2,575,603	6,949,000	652,999	160,700	6,478	498,600	9,473

See footnotes at end of table.

Fisheries of the Puget Sound District of Washington, 1940—Continued

CATCH: BY GEAR—Continued

Species	Dip nets		Reef nets		Beam trawls		Otter trawls	
	Pounds	Value	Pounds	Value	Pounds	Value	Pounds	Value
FISH								
Cod.....							853, 100	\$22, 778
Flounders:								
" Sole".....							5, 432, 900	156, 468
Other.....							466, 000	9, 413
Grayfish ⁴							2, 163, 200	23, 665
Halibut.....							31, 400	2, 526
Herring.....	4, 500	\$86						
"Lingcod".....							1, 157, 900	18, 295
Perch.....							13, 000	351
Pilchard or sardine.....	100	2						
Ratfish.....							1, 837, 500	6, 431
Rockfishes.....							598, 500	13, 945
Sablefish.....							147, 300	2, 766
Salmon: ⁵								
Blueback, red, or sockeye.....			535, 600	\$67, 325				
Chinook or king.....			44, 300	1, 573				
Chum or keta.....			48, 600	1, 453				
Humpback or pink.....			300	8				
Silver or coho.....			122, 300	5, 491				
Skate.....							852, 200	1, 278
Smelt, surf or silver.....	300	15						
Total.....	4, 900	103	751, 100	75, 850			13, 553, 000	257, 916
SHELLFISH								
Shrimp.....					55, 300	\$5, 447		
Octopus.....							4, 700	183
Scallops, bay ⁹					21, 800	5, 515		
Total.....					77, 100	10, 962	4, 700	183
Grand total.....	4, 900	103	751, 100	75, 850	77, 100	10, 962	13, 557, 700	258, 099

Species	Traps				Tongs and rakes		Shovels	
	Crab		Octopus					
	Pounds	Value	Pounds	Value	Pounds	Value	Pounds	Value
SHELLFISH								
Crab ⁶	330, 500	\$7, 337						
Clams, hard: ⁷								
Butter.....							244, 000	\$19, 910
Little neck.....							255, 700	23, 601
Octopus.....			30, 700	\$1, 197				
Oysters, market: ⁸								
Pacfic.....					1, 115, 000	\$62, 439		
Western or native.....					222, 700	133, 287		
Total.....	330, 500	7, 337	30, 700	1, 197	1, 337, 700	195, 726	499, 700	43, 511

¹ Includes the catch of smelt by drag bag nets.

² Fished only on Indian reservations.

³ Most of these cod were taken off Alaska.

⁴ Caught almost entirely for the utilization of the livers in the extraction of vitamin oils. Most of the carcasses were discarded. The grayfish taken in the Puget Sound district yielded 565,600 pounds of livers, valued at \$32,240, and the soupin sharks, 11,800 pounds of livers, valued at \$8,729.

⁵ Statistics on the catch of salmon except those taken by troll lines, are reported to the State in number rather than pounds. The factors used in the above table for converting number of salmon to weight in pounds were as follows: Blueback, red, or sockeye, 6.5 pounds; chinook or king, 25.4 pounds; chum or keta, 10 pounds; humpback or pink, 5.8 pounds; and silver or coho, 9.7 pounds.

⁶ The weight of crabs shown is based on an average of 20 pounds per dozen.

⁷ Statistics on hard clams are based on yields of 28 percent edible meats for butter clams and 24 percent for little neck clams.

⁸ Statistics on oysters are based on yields of 18 percent edible meats for native oysters and 10 percent for Pacific oysters.

⁹ The weight of bay scallops is based on a yield of 17 percent edible meat.

NOTE.—In addition to the items listed above fishing craft landed the following in the Puget Sound district: Halibut livers, 367,000 pounds, valued at \$183,492; "lingcod" and rockfish livers, 64,800 pounds, valued at \$25,918; sablefish livers, 51,400 pounds, valued at \$17,998; and halibut, "lingcod", etc., viscera, 223,900 pounds, valued at \$17,915.

Fisheries of the coastal district of Washington, 1940

OPERATING UNITS: BY GEAR¹

Item	Haul seines	Gill nets		Lines, troll	Dip nets	Otter trawls	Traps, crab	Tongs and rakes, oyster	Dredges, oysters	Shovels	Total, exclusive of duplication
		Drift	Set ²								
Fishermen:	Number	Number	Number	Number	Number	Number	Number	Number	Number	Number	Number
On vessels	-----	-----	-----	98	-----	8	-----	-----	8	-----	114
On boats and shore	22	267	120	111	151	-----	67	260	-----	4,731	5,451
Total	22	267	120	209	151	8	91	260	8	4,731	5,565
Vessels, motor	-----	-----	-----	48	-----	3	11	-----	2	-----	53
Net tonnage	-----	-----	-----	410	-----	54	98	-----	13	-----	477
Boats:	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
Motor	-----	221	35	74	-----	-----	43	70	-----	-----	419
Other	4	-----	80	-----	32	-----	-----	160	2	-----	278
Apparatus:	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
Number	4	221	120	610	151	3	3,780	225	4	4,731	-----
Length, yards	280	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
Square yards	-----	416,364	26,500	-----	-----	-----	-----	-----	-----	-----	-----
Yards at mouth	-----	-----	-----	-----	-----	45	-----	-----	8	-----	-----
Hooks	-----	-----	-----	2,696	-----	-----	-----	-----	-----	-----	-----

¹ In addition, a fleet of 7 Puget Sound purse seine vessels operated in the Washington coast pilchard fishery. These vessels were manned by a total of 72 fishermen and had an aggregate capacity of 473 net tons. Six of these vessels also operated in the Oregon coast pilchard fishery. For detailed statistics regarding the operating units in this fishery, refer to the gear tables in the Puget Sound, Oregon, and California sections of this report.

² Fished by Indians on their reservations.

CATCH: BY GEAR

Species	Purse seines		Haul seines		Gill nets			
					Drift		Set ¹	
	Pounds	Value	Pounds	Value	Pounds	Value	Pounds	Value
FISH	-----	-----	-----	-----	-----	-----	-----	-----
Pilchard	1,632,800	\$8,164	-----	-----	-----	-----	-----	-----
Salmon: ²	-----	-----	-----	-----	-----	-----	-----	-----
Blueback, red, or sockeye	-----	-----	-----	-----	-----	-----	1,203,000	\$161,202
Chinook or king	-----	-----	-----	-----	489,900	\$23,319	103,300	4,917
Chum or keta	-----	-----	-----	-----	908,500	25,438	332,600	9,313
Silver or coho	-----	-----	1,000	\$60	579,600	34,602	363,100	21,677
Smelt, surf or silver	-----	-----	18,100	677	-----	-----	-----	-----
Steelhead trout ³	-----	-----	-----	-----	-----	-----	36,000	3,600
Sturgeon	-----	-----	-----	-----	6,100	789	-----	-----
Total	1,632,800	8,164	19,100	737	1,984,100	84,148	2,038,000	200,709

¹ Fished by Indians on their reservations.

² Statistics on the catch of salmon except those taken by troll lines are reported to the State in number rather than pounds. The factors used in the above table for converting number of salmon to weight in pounds were as follows: Blueback, red, or sockeye, 4 pounds; chinook or king, 22.5 pounds; chum or keta, 10.7 pounds; silver or coho, 10.2 pounds; and steelhead trout, 9 pounds.

³ Steelhead trout shown in this table were taken on Indian reservations.

Fisheries of the coastal district of Washington, 1940—Continued

CATCH: BY GEAR—Continued

Species	Lines, troll		Dip nets		Otter trawls		Traps	
	Pounds	Value	Pounds	Value	Pounds	Value	Pounds	Value
FISH								
Cod					7,400	\$207		
Flounders:								
"Solé"					251,300	7,239		
Other					26,500	669		
Grayfish					2,700	8		
Halibut	31,500	\$2,936			200	12		
"Lingcod"	65,200	958			28,000	773		
Rockfishes	17,400	302			131,400	3,287		
Sablefish					8,700	127		
Salmon ² :								
Chinook or king	1,236,900	146,696						
Silver or coho	1,565,100	119,104						
Smelt:								
Eulachon			198,700	\$11,485				
Surf or silver			163,200	6,104				
Tuna, albacore	732,100	50,220						
Total	3,648,200	320,216	361,900	17,589	456,200	12,322		
SHELLFISH								
Crabs ⁴					4,300	210	4,597,400	\$224,351
Grand total	3,648,200	320,216	361,900	17,589	460,500	12,532	4,597,400	224,351

Species	Dredges, tongs, and rakes		Shovels	
	Pounds	Value	Pounds	Value
SHELLFISH				
Clams, razor ⁵			923,700	\$116,193
Oysters, market, Pacific ⁶	8,544,900	\$478,516		
Total	8,544,900	478,516	923,700	116,193

² Fished by Indians on their reservations.⁴ The weight of crabs is based on an average of 22 pounds per dozen.⁵ The weight of razor clams is in pounds of edible meats, based on a yield of 42 percent of the round weight.⁶ The statistics on oysters used in this table are based on a yield of 12 percent of edible meats.

Fisheries of the Columbia River district of Washington, 1940

OPERATING UNITS: BY GEAR

Item	Haul seines	Gill nets, drift	Lines		Dip nets	Total, exclusive of duplication
			Trawl and set	Troll		
Fishermen:	<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>Number</i>
On vessels				22		22
On boats and shore	18	539	32	96	355	932
Total	18	539	32	118	355	954
Vessels, motor				11		11
Net tonnage				87		87
Boats:						
Motor	6	438	25	64	113	581
Other	6		7		4	17
Apparatus:						
Number	6	438	67	362	355	
Length, yards	600					
Square yards		1,212,384				
Hooks			6,700	1,600		

Fisheries of the Columbia River district of Washington, 1940—Continued

CATCH: BY GEAR¹

Species	Haul seines		Gill nets, drift		Lines				Dip nets	
					Trawl and set ²		Troll			
					Pounds	Value	Pounds	Value		
Carp										
Flounders, other than "sole"			65,300	\$653						
Grayfish					2,700	\$25				
Halibut					900	115				
"Lingcod"					2,000	59				
Rockfishes			800	15	6,700	163				
Sablefish					104,000	3,642				
Salmon:										
Blueback, red, or sockeye			49,500	6,633					57,600	\$7,718
Chinook or king			3,354,000	236,792			276,900	\$30,542	249,100	17,586
Chum or keta			544,600	10,892						
Silver or coho			353,200	18,084			652,100	45,647	200	10
Shad			92,300	2,935					13,800	439
Shark, soupfin					3,000	242				
Smelt, eulachon			42,900	1,643					2,021,500	36,137
Steelhead trout			367,200	22,032			200	14	14,600	876
Sturgeon			14,500	536	500	18				
Tuna, albacore							291,100	19,969		
Total	290,000	8,700	4,884,300	300,215	119,800	4,264	1,220,300	96,172	2,356,800	62,766

¹ Of the above species the following were taken off the Oregon and Washington coasts but landed in the Columbia River district: Flounders, grayfish, "lingcod," rockfishes, sablefish, soupfin sharks, and albacore tuna.

² All species except sturgeon were landed by vessels of the Seattle halibut fleet. In addition to the items listed above vessels in the halibut fleet landed 3,200 pounds of sablefish livers, valued at \$1,110, and 1,300 pounds of sablefish viscera, valued at \$66. The grayfish shown above yielded 400 pounds of livers, valued at \$25, and the soupfin sharks 300 pounds of livers, valued at \$242.

OREGON

Fisheries of Oregon, 1940

CATCH: BY DISTRICTS

Species	Columbia River district		Coastal district	
	Pounds	Value	Pounds	Value
FISH				
Flounders:				
"Sole"	723,000	\$14,349	2,090,400	\$24,233
Other	1,212,900	12,667	82,600	1,260
Grayfish	1,096,700	8,831	146,800	1,466
Halibut	380,000	34,251	357,700	32,879
Herring			56,300	984
"Lingcod"	220,200	3,606	195,900	4,282
Perch			14,800	369
Pilchard or sardine			6,324,600	31,623
Rockfishes	491,300	7,761	123,000	2,819
Sablefish	24,000	853	42,600	1,687
Salmon:				
Blueback, red, or sockeye	254,700	34,130		
Chinook or king	10,601,200	768,900	1,513,900	136,010
Chum or keta	711,300	14,226	592,300	11,846
Silver or coho	1,998,300	120,578	4,146,300	247,810
Shad	237,800	7,561	537,700	17,113
Shark, soupfin	38,900	2,204	322,400	21,552
Skate	13,600	40	29,500	98
Smelt:				
Eulachon	152,200	5,143		
Surf			300	10
Steelhead trout	2,486,400	149,193	251,400	18,352
Striped bass			64,100	3,205
Sturgeon	77,500	2,868	800	28
Tuna, albacore	6,293,200	431,714	2,993,000	201,429
Total	27,018,200	1,618,875	19,891,400	759,165
SHELLFISH				
Crabs			6,045,600	266,611
Crawfish, fresh-water	100,400	11,476		
Clams:				
Razor			153,700	27,306
Mixed			68,700	5,838
Oysters, market:				
Pacific			923,500	51,716
Western or native			1,300	780
Total	100,400	11,476	7,192,800	352,251
Grand total	27,118,600	1,630,351	27,084,200	1,111,416

Fisheries of the Columbia River district of Oregon, 1940

OPERATING UNITS: BY GEAR

Item	Haul seines	Gill nets		Lines	
		Drift	Set	Trawl and set	Troll
Fishermen:	<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>Number</i>
On vessels.....				33	201
On boats and shore.....	432	909	101	65	226
Total.....	432	909	101	98	427
Vessels, motor.....				8	90
Net tonnage.....				107	884
Boats:					
Motor.....	19	667	91	60	174
Other.....	36		10	5	
Apparatus:					
Number.....	36	667	178	939	1,362
Length, yards.....	18,663				
Square yards.....		2,125,060	49,840		
Hooks.....				23,020	6,020

Item	Otter trawls	Pound nets	Dip nets	Traps, crawfish	Total, exclusive of duplication
Fishermen:	<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>Number</i>
On vessels.....	32				244
On boats and shore.....	2	65	286	23	2,031
Total.....	34	65	286	23	2,275
Vessels, motor.....	10				101
Net tonnage.....	201				1,120
Boats:					
Motor.....	1	31		16	1,011
Other.....		31		6	84
Apparatus:					
Number.....	11	39	286	1,050	
Yards at mouth.....	174				

CATCH: BY GEAR 1

Species	Purse seines		Haul seines		Gill nets				Lines	
	Pounds	Value	Pounds	Value	Drift		Set		Trawl and set	
Flounders:					Pounds	Value	Pounds	Value	Pounds	Value
"Sole".....									13,200	\$318
Other.....					458,400	\$4,593				
Grayfish ³									4,000	36
Halibut.....									377,200	34,009
"Lingcod".....					3,000	30			46,000	1,062
Rockfishes.....					15,000	276			26,200	720
Sablefish.....									24,000	853
Salmon:										
Blueback, red, or sockeye.....			29,900	\$4,007	95,100	12,743	20,700	\$2,774		
Chinook or king.....			2,450,300	173,971	5,592,500	397,068	143,200	10,167		
Chum or keta.....			68,400	1,368	601,000	12,020	2,000	40		
Silver or coho.....			225,300	11,535	609,800	31,222	2,100	108		
Shad.....			128,600	4,089	104,000	3,307	1,000	32		
Shark, soupfin ³									8,600	335
Smelt, eulachon.....					119,200	4,565				
Steelhead trout.....			865,300	51,918	840,500	50,430	35,500	2,130		
Sturgeon.....			1,700	63	47,500	1,758	7,200	266	19,300	714
Tuna, albacore.....	123,600	\$8,479								
Total.....	123,600	8,479	3,769,500	246,951	8,486,000	518,012	211,700	15,517	518,500	38,047

See footnotes at end of table.

Fisheries of the Columbia River district of Oregon, 1940—Continued

CATCH: BY GEAR—Continued

Species ¹	Lines—Continued		Otter trawls		Pound nets		Dip nets		Traps, crawfish	
	Troll ²									
FISH	Pounds	Value	Pounds	Value	Pounds	Value	Pounds	Value	Pounds	Value
Flounders:										
"sole".....			714,800	\$14,031						
Other.....			706,700	7,596	47,800	\$478				
Grayfish ³			1,092,700	8,795						
Halibut.....	100	\$9	2,700	233						
"lingcod".....	94,500	1,172	76,700	1,342						
Rockfishes.....	56,500	861	393,600	5,904						
Salmon:										
Blueback, red, or sockeye.....					11,200	1,501	97,800	\$13,105		
Chinook or king.....	412,600	45,510			635,200	45,099	1,367,400	97,085		
Chum or keta.....					39,900	798				
Silver or coho.....	971,500	68,005			189,000	9,677	600	31		
Shad.....					3,500	111	700	22		
Shark, soupfin ³			30,300	1,869						
Skate.....			13,600	40						
Smelt, eulachon.....							33,000	578		
Steelhead trout.....	900	63			418,100	25,086	326,100	19,566		
Sturgeon.....					1,000	37	800	30		
Tuna, albacore.....	6,169,600	423,235								
Total	7,705,700	538,855	3,031,100	39,810	1,345,700	82,787	1,826,400	130,417		
SHELLFISH										
Crawfish, fresh-water.....									100,400	\$11,476
Grand total	7,705,700	538,855	3,031,100	39,810	1,345,700	82,787	1,826,400	130,417	100,400	11,476

¹ Of the above species the following are taken off the Oregon and Washington coasts but landed in the Columbia River district: Flounders, "sole", "lingcod", rockfishes, sablefish, soupfin shark, and albacore tuna. Most of the troll-caught salmon were also taken in coastal waters.

² This gear was operated by a few California vessels fishing off the Oregon coast.

³ Caught almost entirely for the utilization of the livers in the production of vitamin oils. Most of the carcasses were discarded. The grayfish yielded 164,500 pounds of livers, valued at \$7,402, and the soupfin sharks 3,890 pounds of livers, valued at \$2,204.

NOTE.—In addition to the items listed above, fishing craft landed the following in the Oregon Columbia River district: Halibut livers, 4,700 pounds, valued at \$2,349; "lingcod" livers, 2,100 pounds, valued at \$804; and sablefish livers, 900 pounds, valued at \$306.

Fisheries of the coastal district of Oregon, 1940

OPERATING UNITS: BY GEAR¹

Item	Haul seines	Gill nets		Lines		Otter trawls	Traps, crab	Tongs and rakes, oyster	Shov-els	Total, exclu-sive of dupli-cation
		Drift	Set	Trawl and set	Troll					
Fishermen:										
On vessels.....										
On boats and shore.....	18	567	302	53	126	20	40	30	352	1,538
Total	18	567	302	75	341	20	243	30	352	1,712
Vessels, motor.....				17	54	7	16			70
Net tonnage.....				234	506	88	140			729
Boats:										
Motor.....	6	500	194	18	197		192	7		883
Other.....	6		78					12	30	126
Apparatus:										
Number.....	6	500	928	1,596	1,217	7	17,680	30	352	
Length, yards.....	1,020									
Square yards.....		704,500	265,408							
Yards at mouth.....						105				
Hooks.....				28,730	5,380					

¹ In addition, a fleet of 41 Washington and California purse seine vessels operated in the Oregon coast pilchard fishery. These vessels were manned by a total crew of 451 fishermen and had an aggregate tonnage of 2,716 net tons. Of the total vessels, 22 were from Washington and 10 from California. Six of these craft also operated in the Washington Coast pilchard fishery. For detailed statistics regarding the operating units in this fishery, refer to the gear tables in the Washington and California sections of this report.

Fisheries of the coastal district of Oregon, 1940—Continued

CATCH: BY GEAR

Species	Purse seines, pilchard ¹		Haul seines		Gill nets		Lines			
	Pounds	Value	Pounds	Value	Pounds	Value	Trawl and set		Troll	
FISH										
Flounders:										
"Solé"							18,000	\$387		
Other			300	\$5					500	\$8
Grayfish ²							107,500	1,117		
Halibut							295,200	27,816	3,500	360
Herring			59,300	984						
"Lingcod"			100	1			66,200	1,895	41,800	868
Perch			14,800	369						
Pilchard or sardine	6,324,600	\$31,623								
Rockfishes							71,200	2,049	8,700	184
Sablefish							40,800	1,658		
Salmon:										
Chinook or king					894,200	\$74,308			619,700	61,722
Chum or keta					592,300	11,846				
Silver or coho					2,009,300	103,015			2,146,000	144,865
Shad					537,700	17,153				
Shark, soupfin ³							293,300	19,724		
Skate							22,700	75		
Smelts					300	10				
Steelhead trout					251,400	18,352				
Striped bass					64,100	3,205				
Sturgeon					800	28				
Tuna, albacore									2,993,000	201,429
Total	6,324,600	31,623	71,500	1,359	4,341,100	227,917	914,900	54,721	5,813,200	409,426

Species	Otter trawls		Traps		Tongs and rakes		Shovels	
	Pounds	Value	Pounds	Value	Pounds	Value	Pounds	Value
FISH								
Flounders:								
"Solé"	2,072,400	\$23,846						
Other	81,800	1,247						
Grayfish ²	39,300	349						
Halibut	59,000	4,703						
"Lingcod"	87,800	1,518						
Rockfishes	48,100	596						
Sablefish	1,800	29						
Shark, soupfin ³	29,100	1,808						
Skate	6,800	23						
Total	2,426,100	34,119						
SHELLFISH								
Crabs ³	18,300	807	6,027,300	\$265,804				
Clams:								
Razor ⁴							153,700	\$27,306
Mixed ⁵							68,700	5,838
Oysters, market: ⁶								
Pacific					923,500	\$51,716		
Western or native					1,300	780		
Total	18,300	807	6,027,300	265,804	924,800	52,496	222,400	33,144
Grand total	2,444,400	34,926	6,027,300	265,804	924,800	52,496	222,400	33,144

¹ The Oregon coast pilchard fishery was prosecuted entirely by Washington and California purse seine vessels. See separate sections for data on operating units in this fishery.

² Caught almost entirely for the utilization of the livers in the production of vitamin oils. Most of the carcasses were discarded. The grayfish yielded about 22,000 pounds of livers, valued at \$1,466, and the soupfin sharks 32,240 pounds of livers, valued at \$21,532.

³ The weight of crabs is based on an average of 22 pounds per dozen.

⁴ The weight of razor clams is that of edible meats, based on a yield of 42 percent of the round weight.

⁵ Mixed clams consist principally of eastern soft-shell clams. The weight shown is that of edible meats, based on a yield of 21 percent of the round weight.

⁶ The statistics on oysters used in this table are based on a yield of 12 percent of edible meats from Pacific and native oysters.

NOTE.—In addition to the items listed above, fishermen landed the following in the Oregon coastal district: Halibut livers, 4,800 pounds, valued at \$2,368; "lingcod" livers, 3,900 pounds, valued at \$1,515; and sablefish livers, 1,600 pounds, valued at \$565.

CALIFORNIA

Fisheries of California, 1940

CATCH: BY DISTRICTS

Species	Northern district		San Francisco district		Monterey district	
	Pounds	Value	Pounds	Value	Pounds	Value
FISH						
Anchovies.....			13,800	\$277	37,400	\$264
Carp.....			10,100	234		
Catfish.....			151,600	21,702		
Flounders:						
"California halibut".....	5,800	\$407	61,700	4,648	20,700	1,971
"Sole".....	3,687,100	122,083	3,424,000	97,711	130,800	4,625
Other.....	505,200	17,071	1,057,000	34,203	73,900	2,822
Hake.....	5,000	49	13,000	179		
Halibut.....	247,400	18,446	800	95		
Hardhead.....			5,000	741		
Herring.....	34,000	348	413,500	2,158	3,600	72
Horse mackerel.....					110,200	7,131
Kingfish.....			16,500	432	122,200	4,695
"Lingcod".....	352,100	11,368	270,500	9,341	67,100	3,357
Mackerel.....			900	36	452,000	18,033
Perch.....	2,100	64	22,500	634	9,600	427
Pilchard or sardine.....	700	22	231,359,400	1,203,741	363,115,400	1,929,969
Pompano.....					400	108
Rock bass.....			100	17		
Rockfishes.....	583,800	21,419	453,100	17,380	1,659,900	65,306
Sablefish.....	374,900	12,403	77,700	2,503	86,700	1,206
Salmon.....	3,369,500	264,719	2,692,700	211,498	613,200	54,528
Sea bass:						
Black.....					700	30
White.....					133,300	8,733
Shad.....			26,700	2,777		
Sharks, including grayfish.....	650,000	81,135	1,764,000	52,561		
Skates.....	23,800	252	4,888,800	253,688	814,300	37,704
Smelt.....	31,300	898	160,600	1,611	11,000	181
Splittail.....			1,6,500	4,227	100,900	4,094
Tomcod.....	2,200	84	12,100	434		
Tuna and tunalike fishes:			2,400	98		
Albacore.....	200	15	48,400	3,330	831,700	58,752
Bluefin.....					4,700	391
Bonito.....					4,000	293
Whitebait.....	108,100	7,493	17,400	1,237	1,900	160
Other fish.....	114,300	989	75,300	750	1,500	38
Total.....	10,097,500	559,265	247,156,100	1,928,243	368,410,100	2,204,890
SHELLFISH						
Crabs.....	1,268,300	72,533	3,856,100	226,580	26,600	2,062
Shrimp.....			1,080,200	13,096	2,400	439
Abalone.....					162,700	40,643
Clams:						
Hard.....	5,100	772	1,300	262		
Pismo.....					3,400	803
Soft.....	100	32	20,100	2,858		
Octopus.....	2,800	121	5,700	287	17,600	1,284
Oysters, market:						
Eastern.....			18,100	7,938		
Pacific.....			156,600	15,669		
Western or native.....	1,200	655	1,800	1,099		
Squid.....					1,654,300	27,153
Total.....	1,277,500	74,113	5,139,900	267,789	1,867,000	72,384
WHALE PRODUCTS						
Meat.....			293,600	6,481		
Oil.....			465,200	21,856		
Other whale products.....			41,500	1,074		
Total.....			800,300	29,411		
Grand total.....	11,375,000	633,378	253,096,300	2,225,443	370,277,100	2,277,274

Fisheries of California, 1940—Continued

CATCH: BY DISTRICTS—Continued

Species	San Pedro district					
	Off California		Off Latin America		Total	
	Pounds	Value	Pounds	Value	Pounds	Value
FISH						
Anchovies.....	6,251,800	\$56,962			6,251,800	\$56,962
Barracuda.....	2,011,700	97,081	1,004,900	\$50,945	3,076,600	148,026
Cabrilla.....			17,600	948	17,600	948
Flounders:						
"California halibut".....	700,600	58,244			700,600	58,244
"Side".....	144,000	4,169			144,000	4,169
Other.....	9,200	1,075			9,200	1,075
Flyingfish.....	37,700	1,482			37,700	1,482
Groupers.....			5,500	391	5,500	391
Halibut.....	100	4			100	4
Herring.....	200	4			200	4
Horse mackerel.....	1,310,400	15,557			1,310,400	15,557
Kingfish.....	272,700	5,391			272,700	5,391
"Lingcod".....	1,400	67			1,400	67
Mackerel.....	116,402,500	1,222,337			116,402,500	1,222,337
Perch.....	21,700	1,579			21,700	1,579
Pitchard or sardine.....	309,390,700	1,653,405			309,390,700	1,653,405
Pompano.....	10,200	1,810			10,200	1,810
Rock bass.....	177,700	11,358	1,300	91	179,000	11,449
Rockfishes.....	638,800	26,762			638,800	26,762
Sablefish.....	34,500	1,807			34,500	1,807
Seulpin.....	88,300	7,110			88,300	7,110
Sea bass:						
Black.....	38,000	2,119	251,600	14,332	289,600	16,451
White.....	545,800	44,918	9,400	742	555,200	45,660
Sharks, including grayfish.....	1,288,800	61,350	100	9	1,288,900	61,359
Sheepshead.....	53,000	1,861	700	24	53,700	1,885
Skates.....	42,400	523			42,400	523
Smelt.....	171,500	6,520			171,500	6,520
Spanish mackerel.....			2,800	170	2,800	170
Sworlfish.....	709,800	97,503	1,800	261	711,600	97,764
Tuna and tunahke fishes:						
Albacore.....	2,400,100	165,954			2,400,100	165,954
Bluefin.....	16,489,800	923,301	712,800	39,851	17,202,600	963,152
Bonito.....	2,824,400	104,517	1,328,200	49,163	4,152,600	153,680
Skinjack or striped tuna.....	338,800	15,971	23,739,500	1,118,176	24,078,300	1,134,147
Yellowfin.....	71,500	4,143	33,271,100	1,927,060	33,342,600	1,931,203
Whitefish.....	46,600	2,243	700	35	47,300	2,238
Yellowtail.....	84,100	2,804	3,188,100	106,003	3,272,200	108,807
Other fish.....	49,800	5,866	100	22	49,900	5,888
Total.....	462,658,600	4,605,757	63,596,200	3,308,223	526,254,800	7,913,980
SHELLFISH						
Crabs.....	3,500	186			3,500	186
Sea crawfish or spiny lobster.....	225,700	42,389	47,700	9,019	273,400	51,408
Abalone.....	182,100	52,101			182,100	52,101
Clams:						
Hard.....	3,400	972			3,400	972
Pismo.....	38,500	7,696			38,500	7,696
Octopus.....	500	59			500	59
Oysters, market, Pacific.....	15,700	1,727			15,700	1,727
Squid.....	106,900	2,292			106,900	2,292
Total.....	576,300	107,422	47,700	9,019	624,000	116,441
Grand total.....	463,234,900	4,713,179	63,643,900	3,317,242	526,878,800	8,030,421

Fisheries of California, 1940—Continued

CATCH: BY DISTRICTS—Continued

Species	San Diego district					
	Off California		Off Latin America		Total	
	Pounds	Value	Pounds	Value	Pounds	Value
FISH						
Anchovies.....	14, 800	\$133			14, 800	\$133
Barracuda.....	533, 700	21, 465	87, 000	\$3, 498	- 620, 700	24, 963
Cabrilla.....			73, 000	2, 675	73, 000	2, 675
Flounders:						
"California halibut".....	132, 800	10, 991	86, 500	7, 165	219, 300	18, 156
"Sole".....	1, 900	158			1, 900	158
Groupers.....			73, 300	2, 901	73, 300	2, 901
Herring.....	1, 900	32			1, 900	32
Horse mackerel.....	12, 000	133			12, 000	133
Kingfish.....	800	21			800	21
"Lingcod".....	200	7	300	16	500	23
Mackerel.....	3, 648, 300	39, 597			3, 648, 300	39, 597
Mullet.....	2, 000	152			2, 000	152
Perch.....	2, 100	62	300	10	2, 400	72
Pilchard or sardine.....	2, 107, 000	9, 023	200	2	2, 107, 200	9, 025
Pompano.....			100	13	100	13
Rock bass.....	61, 700	3, 563	4, 700	271	66, 400	3, 834
Rockfishes.....	146, 900	6, 799	87, 500	4, 048	234, 400	10, 847
Sculpin.....	33, 800	1, 806	100	4	33, 900	1, 810
Sea bass:						
Black.....	4, 100	216	71, 000	3, 764	75, 100	3, 980
White.....	102, 900	6, 805	94, 700	6, 263	197, 600	13, 068
Sharks, including grayfish.....	167, 900	2, 935	3, 100	54	171, 000	2, 989
Sheepshead.....	2, 700	103	5, 500	210	8, 200	313
Skates.....	500	7			500	7
Smelt.....	27, 800	1, 019	1, 100	39	28, 900	1, 058
Spanish mackerel.....			100	3	100	3
Swordfish.....	120, 200	13, 915	55, 100	6, 380	175, 300	20, 295
Tuna and tunalike fishes:						
Albacore.....	601, 000	42, 838	900	64	601, 900	42, 902
Bluefin.....	2, 355, 500	130, 415	407, 500	22, 559	2, 763, 000	152, 974
Bonito.....	724, 700	26, 930	409, 700	15, 225	1, 134, 400	42, 155
Skipjack or striped tuna.....	2, 646, 300	130, 703	29, 925, 600	1, 478, 009	32, 571, 900	1, 608, 712
Yellowfin.....	166, 000	9, 861	80, 251, 300	4, 766, 337	80, 417, 300	4, 776, 198
Whitefish.....	1, 000	40	11, 300	450	12, 300	490
Yellowtail.....	244, 900	8, 613	2, 439, 700	85, 800	2, 684, 600	94, 413
Other fish.....	300	16	600	33	900	49
Total	13, 865, 700	468, 358	114, 090, 200	6, 405, 793	127, 955, 900	6, 874, 151
SHELLFISH						
Sea crawfish or spiny lobster.....	55, 400	7, 979	768, 000	110, 518	823, 400	118, 497
Squid.....	39, 400	712			39, 400	712
Total	94, 800	8, 691	768, 000	110, 518	862, 800	119, 209
Grand total	13, 960, 500	477, 049	114, 858, 200	6, 516, 311	128, 818, 700	6, 993, 360

Fisheries of California, 1940—Continued

CATCH: BY WATERS

Species	Off California		Off Latin America	
	Pounds	Value	Pounds	Value
FISH				
Anchovies	6,317,800	\$57,636		
Barracuda	2,845,400	118,546	1,181,900	\$54,443
Cabrilla			90,600	3,628
Carp	10,100	224		
Catfish	151,600	21,702		
Flounders:				
"California halibut"	921,600	76,261	86,500	7,165
"Sole"	7,347,800	228,746		
Other	1,645,300	55,171		
Flyinefish	37,700	1,482		
Groupers			78,800	3,292
Hake	18,000	228		
Halibut	248,300	18,545		
Hardhead	5,000	741		
Herring	453,200	2,614		
Horse mackerel	1,432,600	22,821		
Kingfish	412,200	10,539		
"Lingcod"	691,300	24,140	300	16
Mackerel	120,563,700	1,280,003		
Mullet	2,000	152		
Perch	58,000	2,766	300	10
Pilchard or sardine	905,973,200	4,796,160	200	2
Pompano	10,600	1,918	100	13
Rock bass	239,500	14,938	6,000	362
Rockfishes	3,482,500	137,666	87,500	4,048
Sablefish	573,800	17,919		
Salmon	6,675,400	530,745		
Sculpin	122,100	8,916	100	4
Sea bass:				
Black	42,800	2,365	322,600	18,096
White	808,700	63,233	104,100	7,006
Shad	1,764,000	52,561		
Sharks, including grayfish	7,809,800	436,812	3,200	63
Sheepshead	55,700	1,964	6,200	234
Skates	238,300	2,574		
Smelt	448,000	16,758	1,100	39
Spanish mackerel			2,900	173
Splittail	12,100	434		
Swordfish	830,000	111,418	56,900	6,641
Tinoco	4,600	182		
Tuna and tunalike fishes:				
Albacore	3,884,400	270,889	900	64
Bluefin	18,850,000	1,054,107	1,120,300	62,410
Bonito	3,553,100	131,740	1,737,900	64,398
Skipjack or striped tuna	2,985,100	146,674	53,665,100	2,596,185
Yellowfin	237,500	14,004	113,522,400	6,693,397
Whitebait	127,400	8,890		
Whitefish	47,600	2,243	12,000	485
Yellowtail	329,000	11,417	5,627,800	191,803
Other fish	241,200	7,659	700	55
Total	1,102,188,000	9,766,513	177,686,400	9,714,016
SHELLFISH				
Crabs	5,154,500	301,361		
Sea crawfish or spiny lobster	281,100	50,368	815,700	119,537
Shrimp	1,082,600	13,535		
Abalone	344,800	92,744		
Clams:				
Hard	9,800	2,006		
Pismo	41,900	8,499		
Soft	20,200	2,890		
Octopus	26,600	1,751		
Oysters, market:				
Eastern	18,100	7,938		
Pacific	172,300	17,396		
Western or native	3,000	1,754		
Squid	1,800,600	30,157		
Total	8,955,500	530,399	815,700	119,537
WHALE PRODUCTS				
Meat	293,600	6,481		
Oil	465,200	21,856		
Other whale products	41,500	1,074		
Total	800,300	29,411		
Grand total	1,111,943,800	10,326,323	178,502,100	9,833,553

Fisheries of the northern district of California, 1940

OPERATING UNITS: BY GEAR

Item	Gill nets	Lines		Dip nets	Traps, crab	Rakes and by hand, oyster	Shovels	Total, exclusive of duplication
		Set and hand	Troll					
Fishermen:	<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>Number</i>
On vessels.....	18	35	40	4	10			49
On boats and shore.....	18	113	221	39	128	3	14	266
Total.....	18	148	261	43	138	3	14	315
Vessels, motor.....		15	22	2	8			25
Net tonnage.....		116	157	15	52			184
Boats, motor.....	12	84	191	16	110		8	202
Apparatus:								
Number.....	15	485	1,367	43	2,044	3	14	
Square yards.....	12,600							
Hooks.....		30,725	5,324					

CATCH: BY GEAR

Species	Gill nets		Lines				Paranzella nets and other trawls	
			Set and hand		Troll			
FISH	<i>Pounds</i>	<i>Value</i>	<i>Pounds</i>	<i>Value</i>	<i>Pounds</i>	<i>Value</i>	<i>Pounds</i>	<i>Value</i>
Flounders:								
"California halibut".....							5,800	\$407
"Sole".....							3,687,100	122,083
Other.....	100	\$4					505,100	17,067
Hake.....							5,000	49
Halibut.....			191,900	\$14,309	1,400	\$104	54,100	4,033
Herring.....	34,000	348						
"Lingcod".....			154,900	5,001	13,800	446	183,400	5,921
Perch.....	1,700	52						
Pilchard or sardine.....	700	22						
Rockfishes.....			153,300	5,625	2,000	73	428,500	15,721
Sablefish.....			266,400	8,814			108,500	3,589
Salmon.....					3,369,500	264,719		
Sharks, including grayfish.....			617,200	77,041	500	62	32,300	4,032
Skates.....			400	5			23,400	247
Smelt.....	3,300	95						
Tomcod.....			100	4			2,100	80
Tuna, albacore.....					200	15		
Whitebait.....	100	8						
Other fish.....			100	9			114,200	980
Total.....	39,900	529	1,384,300	110,808	3,387,400	265,419	5,149,500	174,209
SHELLFISH								
Crabs.....							112,600	6,439
Octopus.....			2,600	111			200	10
Total.....			2,600	111			112,800	6,449
Grand total.....	39,900	529	1,386,900	110,919	3,387,400	265,419	5,262,300	180,658

Species	Dip nets		Traps		Rakes and by hand		Shovels	
	<i>Pounds</i>	<i>Value</i>	<i>Pounds</i>	<i>Value</i>	<i>Pounds</i>	<i>Value</i>	<i>Pounds</i>	<i>Value</i>
FISH								
Perch.....	400	\$12						
Smelt.....	28,000	803						
Whitebait.....	108,000	7,485						
Total.....	136,400	8,300						
SHELLFISH								
Crabs.....			1,155,700	\$66,094				
Clams:								
Hard.....							5,100	\$772
Soft.....							100	32
Oysters, market, western or native.....					1,200	\$655		
Total.....			1,155,700	66,094	1,200	655	5,200	804
Grand total.....	136,400	8,300	1,155,700	66,094	1,200	655	5,200	804

NOTE.—The catch by paranzella nets was made by fishermen from the San Francisco district.

Fisheries of the San Francisco district of California, 1940

OPERATING UNITS: BY GEAR

Item	Purse seines		Lampara and ring nets		Gill nets		
	Pilchard or sardine †	Tuna	Pilchard or sardine	Other	Drift, salmon	Drift, sea bass	Drift, shad
Fishermen:	<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>Number</i>
On vessels	637	92	51				
On boats and shore				10	305	7	252
Total	637	92	51	10	305	7	252
Vessels, motor	57	8	5				
Net tonnage	3,375	535	59				
Boats, motor				2	161	4	127
Accessory boats	57	8	5	2			
Apparatus:							
Number	57	8	5	2	161	4	127
Length, yards	23,205	5,387	1,488	320			
Square yards					502,964	10,800	516,255

Item	Gill nets—Continued		Lines		Fyke nets	Paran-zella nets	Beam trawls
	Set, shark	Other	Set and hand	Troll			
Fishermen:	<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>Number</i>
On vessels		10	174	70		90	
On boats and shore	4	41	189	299	91		12
Total	4	51	363	369	91	90	12
Vessels, motor		4	49	27		18	
Net tonnage		43	1,000	329		264	
Boats:							
Motor	2	26	127	262	54		12
Other					8		
Apparatus:							
Number	2	38	2,814	2,390	1,965	9	12
Square yards	8,640	43,161					
Yards at mouth						150	80
Hooks			180,064	6,690			

Item	Otter trawls	Dip nets	Bag nets, shrimp	Traps, crab	Harpoons, whale	Rakes and by hand, oyster	Shovels	Total, exclusive of duplication
Fishermen:	<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>Number</i>
On vessels	16		34	15	11			920
On boats and shore		4	5	248		15	62	867
Total	16	4	39	263	11	15	62	1,787
Vessels, motor	4		7	7	1			123
Net tonnage	53		42	62	9			4,163
Boats:								
Motor			1	229			2	534
Other								8
Accessory boats			8					41
Apparatus:								
Number	4	4	8	4,830	1	15	62	
Length, yards			6,032					
Yards at mouth	45							

† Includes 8 motor vessels, having an aggregate capacity of 543 net tons and crews of 92 men, which also operated pilchard or sardine purse seines in Oregon waters and contributed to the catch in that State.

Fisheries of the San Francisco district of California, 1940—Continued

CATCH: BY GEAR

Species	Purse seines		Lampara and ring nets		Gill nets		Lines, set and hand	
	Pounds	Value	Pounds	Value	Pounds	Value	Pounds	Value
FISH								
Anchovies			13,800	\$277				
Carp					4,500	\$104		
Catfish							16,500	\$2,362
Flounders:								
"California halibut"					100	8	15,800	1,190
"Sole"							1,100	33
Other					200	6	1,400	45
Hake							500	7
Halibut							800	95
Herring			301,600	1,574	111,900	584		
Kingfish			400	10	400	10	200	5
"Lingcod"							228,200	7,880
Mackerel	600	\$24	200	8			100	4
Perch			10,200	287	11,700	330		
Pilchard or sardine	227,938,300	1,185,895	3,418,000	17,784	3,100	62		
Rock bass							100	17
Rockfishes							336,400	12,903
Sablefish							48,300	1,556
Salmon					1,515,600	120,094		
Sea bass, white	600	62			8,700	905	17,400	1,810
Shad					1,764,000	52,561		
Sharks, including grayfish	300	16	900	47	15,100	784	4,554,900	236,360
Skates							100	1
Smelt			6,900	250	103,800	3,767		
Tuna, albacore	200	14						
Whitebait			200	14	2,200	156		
Other fish			2,400	22	100	1	9,200	87
Total	227,940,000	1,186,011	3,754,600	20,273	3,541,400	179,372	5,231,000	264,355
SHELLFISH								
Octopus							4,200	211
Grand total	227,940,000	1,186,011	3,754,600	20,273	3,541,400	179,372	5,235,200	264,566

Species	Lines, troll		Fyke nets		Paranzella nets and otter trawls		Beam trawls	
	Pounds	Value	Pounds	Value	Pounds	Value	Pounds	Value
FISH								
Carp			5,600	\$130				
Catfish			135,100	19,340				
Flounders:								
"California halibut"	200	\$15			45,600	\$3,435		
"Sole"					3,422,900	97,678		
Other					1,040,700	33,676	14,700	\$476
Hake					12,500	172		
Hardhead			5,000	741				
Kingfish					15,500	407		
"Lingcod"	800	28			41,500	1,433		
Perch					400	11		
Rockfishes	1,500	58			115,200	4,419		
Sablefish					29,400	947		
Salmon	1,177,100	91,404						
Sharks, including grayfish	400	21			317,200	16,460		
Skates					160,500	1,610		
Splittail			12,100	434				
Tomcod					1,700	70	700	28
Tuna, albacore	48,200	3,316						
Other fish	100	1	300	7	63,200	632		
Total	1,228,300	94,843	158,100	20,652	5,266,300	160,950	15,400	504
SHELLFISH								
Crabs					239,500	14,073		
Shrimp							198,400	2,406
Octopus					1,500	76		
Total					241,000	14,149	198,400	2,406
Grand total	1,228,300	94,843	158,100	20,652	5,507,300	175,099	213,800	2,910

Fisheries of the San Francisco district of California, 1940—Continued

CATCH: BY GEAR—Continued

Species	Dip nets		Bag nets		Traps	
	Pounds	Value	Pounds	Value	Pounds	Value
FISH						
Perch.....	200	\$6				
Smelt.....	5,800	210				
Whitebait.....	15,000	1,067				
Total.....	21,000	1,283				
SHELLFISH						
Crabs.....					3,616,600	\$212,507
Shrimp.....			881,800	\$10,690		
Total.....			881,800	10,690	3,616,600	212,507
Grand total.....	21,000	1,283	881,800	10,690	3,616,600	212,507

Species	Harpoons		Rakes and by hand		Shovels	
	Pounds	Value	Pounds	Value	Pounds	Value
SHELLFISH						
Clams:						
Hard.....					1,300	\$262
Soft.....					20,100	2,858
Oysters, market:						
Eastern.....			18,100	\$7,938		
Pacific.....			156,600	15,669		
Western or native.....			1,800	1,099		
Total.....			176,500	24,706	21,400	3,120
WHALE PRODUCTS						
Meat.....	293,600	\$6,481				
Oil.....	465,200	21,856				
Other whale products ¹	41,500	1,074				
Total.....	800,300	29,411				
Grand total.....	800,300	29,411	176,500	24,706	21,400	3,120

Fisheries of the Monterey district of California, 1940

OPERATING UNITS: BY GEAR

Item	Purse seines		Lampara and ring nets		Gill nets				
	Pilchard or sardine	Tuna	Pilchard or sardine	Other	Set, "California halibut"	Set, crab	Set, shark	Drift, sea bass	Other
Fishermen:	Number	Number	Number	Number	Number	Number	Number	Number	Number
On vessels.....	818	132	35	49			15	3	4
On boats and shore.....			28	81	11	8	36	35	39
Total.....	818	132	63	130	11	8	51	38	43
Vessels, motor.....	70	11	3	6			4	1	2
Net tonnage.....	4,449	722	42	52			98	9	23
Boats:									
Motor.....			2	12	7	4	20	21	22
Other.....									4
Accessory boats.....	70	11	5	18					
Apparatus:									
Number.....	70	11	5	18	7	4	24	22	35
Length, yards.....	29,806	7,110	1,640	3,998					
Square yards.....					11,536	11,200	121,137	64,020	29,166

¹ This item includes whale meat meal, livers, and scrap.

Fisheries of the Monterey district of California, 1940—Continued

OPERATING UNITS: BY GEAR—Continued

Item	Lines		Otter trawls	Traps		Shovels	Aba-lone outfits	Total, exclu-sive of dupli-cation
	Set and hand	Troll		Crab	Octopus			
Fishermen:	<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>Number</i>
On vessels.....	54	56	13	-----	-----	-----	36	956
On boats and shore.....	270	323	-----	4	5	31	9	469
Total.....	324	379	13	4	5	31	45	1,425
Vessels, motor	15	22	3	-----	-----	-----	8	97
Net tonnage	338	306	44	-----	-----	-----	67	4,728
Boats:								
Motor.....	178	225	-----	4	3	3	2	245
Other.....	5	-----	-----	-----	-----	4	-----	10
Accessory boats	-----	-----	-----	-----	-----	-----	10	101
Apparatus:								
Number.....	1,073	2,433	3	63	75	31	10	-----
Yards at mouth.....	-----	-----	42	-----	-----	-----	-----	-----
Hooks.....	73,358	6,884	-----	-----	-----	-----	-----	-----

CATCH: BY GEAR

Species	Purse seines		Lampara and ring nets		Gill nets		Lines, set and hand	
	Pounds	Value	Pounds	Value	Pounds	Value	Pounds	Value
FISH								
Anchovies.....	25,600	\$181	11,800	\$53	-----	-----	-----	-----
Flounders:								
“California halibut”.....	200	19	1,400	133	7,600	\$724	6,900	\$657
“Sole”.....	-----	-----	-----	-----	5,400	191	14,300	506
Other.....	-----	-----	-----	-----	3,100	118	37,200	1,421
Herring.....	-----	-----	3,500	70	100	2	-----	-----
Horse mackerel.....	5,800	375	80,600	5,216	21,700	1,404	2,100	136
Kingfish.....	1,200	46	18,200	699	92,900	3,570	7,300	280
“Lingcod”.....	-----	-----	-----	-----	3,900	195	61,100	3,057
Mackerel.....	3,700	148	147,600	5,889	2,900	116	297,800	11,880
Perch.....	-----	-----	200	9	7,900	351	100	5
Pilchard or sardine.....	355,548,000	1,889,638	7,543,900	40,096	23,500	235	-----	-----
Pompano.....	-----	-----	400	108	-----	-----	-----	-----
Rockfishes.....	300	12	-----	-----	3,200	128	1,650,500	64,930
Sablefish.....	-----	-----	-----	-----	-----	-----	86,700	1,206
Sea bass:								
Black.....	-----	-----	-----	-----	600	25	100	5
White.....	1,400	92	400	26	130,100	8,523	1,400	92
Sharks, including grayfish.....	6,000	278	2,300	106	301,200	13,946	503,600	23,318
Skates.....	-----	-----	-----	-----	4,900	81	2,000	33
Smelt.....	-----	-----	9,300	377	87,300	3,543	4,300	174
Tuna and tunalike fishes:								
Albacore.....	7,500	528	600	42	-----	-----	-----	-----
Bluefin.....	4,400	366	300	25	-----	-----	-----	-----
Bonito.....	3,600	263	400	30	-----	-----	-----	-----
Whitebait.....	-----	-----	1,700	143	200	17	-----	-----
Other fish.....	-----	-----	-----	-----	500	13	200	5
Total.....	355,607,700	1,891,946	7,822,600	53,052	697,000	33,182	2,675,600	107,705
SHELLFISH								
Crabs.....	-----	-----	-----	-----	19,600	1,520	-----	-----
Octopus.....	-----	-----	-----	-----	-----	-----	1,400	102
Squid.....	300	5	1,620,800	26,603	33,200	545	-----	-----
Total.....	300	5	1,620,800	26,603	52,800	2,065	1,400	102
Grand total.....	355,608,000	1,891,951	9,443,400	79,655	749,800	35,247	2,677,000	107,807

Fisheries of the Monterey district of California, 1940—Continued

CATCH: BY GEAR—Continued

Species	Lines, troll		Paranzella nets and otter trawls		Traps		Shovels		Abalone outfits	
	Pounds	Value	Pounds	Value	Pounds	Value	Pounds	Value	Pounds	Value
FISH										
Flounders:										
"California halibut"	200	\$19	4,400	\$419						
"Sole"			111,100	3,928						
Other			33,600	1,283						
Kingfish			2,600	100						
"Lingcod"	1,100	55	1,000	50						
Perch			1,400	62						
Rockfishes	800	32	5,100	204						
Salmon	613,200	54,528								
Sharks, including gray-fish	300	14	900	42						
Skates			4,100	67						
Tuna, albacore	826,600	58,182								
Other fish			800	20						
Total	1,442,200	112,830	165,000	6,175						
SHELLFISH										
Crabs			2,300	178	4,700	\$364				
Shrimp					2,400	439				
Abalone									162,700	\$40,643
Clams, Pismo							3,400	\$803		
Octopus			200	15	16,000	1,167				
Total			2,500	193	23,100	1,970	3,400	803	162,700	40,643
Grand total	1,442,200	112,830	167,500	6,368	23,100	1,970	3,400	803	162,700	40,643

Fisheries of the San Pedro district of California, 1940

OPERATING UNITS: BY GEAR

Item	Purse seines			Lampara and ring nets			
	Mack-erel	Pilchard or sardine ¹	Tuna	Mack-erel	Pilchard or sardine	Tuna	Other
Fishermen:							
On vessels	Number 60	Number 1,318	Number 1,123	Number 553	Number 588	Number 270	Number 82
On boats and shore							130
Total	60	1,318	1,123	553	588	270	212
Vessels, motor	6	119	102	43	46	21	23
Net tonnage	155	6,315	5,645	1,564	1,598	781	211
Boats, motor							36
Accessory boats	6	119	102	43	46	21	59
Apparatus:							
Number	6	119	102	43	46	21	59
Length, yards	2,540	51,640	63,546	27,125	24,526	13,330	13,477

¹ Includes 3 motor vessels having an aggregate capacity of 181 net tons and crews of 34 men, which also operated pilchard or sardine purse seines in Oregon waters and contributed to the catch in that State.

Fisheries of the San Pedro district of California, 1940—Continued

OPERATING UNITS: BY GEAR—Continued

Item	Gill nets				Trammel nets	Lines	
	Drift, barracuda	Set, sea bass	Set, shark	Other		Set and hand	Troll
Fishermen:	<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>Number</i>
On vessels.....	16	10			15	1,375	140
On boats and shore.....	61	67	17	38	50	1,343	684
Total	77	77	17	38	65	2,718	824
Vessels, motor	5	3			5	179	17
Net tonnage.....	48	17			48	4,265	530
Boats:							
Motor.....	22	27	7	20	19	768	408
Other.....						15	
Accessory boats.....						156	
Apparatus:							
Number.....	27	30	7	23	24	2,850	3,054
Square yards.....	127,392	126,218	16,800	25,155	160,526		
Hooks.....						290,865	3,110

Item	Paran-zella nets	Otter trawls	Traps, sea crawfish	Har-poons, sword-fish	Rakes and by hand, oyster	Shovels	Abalone outfits	Total, exclusive of du-plication
Fishermen:	<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>Number</i>
On vessels.....	6	4	5	32				2,713
On boats and shore.....	13		144	157	5	67	51	1,586
Total	19	4	149	189	5	67	51	4,299
Vessels, motor	2	1	2	10				353
Net tonnage.....	26	31	37	141				12,283
Boats:								
Motor.....	4		84	65		19	16	868
Other.....			9					21
Accessory boats.....								301
Apparatus:								
Number.....	3	1	4,273	75	5	67	16	
Yards at mouth.....	50	15						

CATCH OFF CALIFORNIA: BY GEAR

Species	Purse seines		Lampara and ring nets		Gill and trammel nets		Lines, set and hand	
	Pounds	Value	Pounds	Value	Pounds	Value	Pounds	Value
FISH								
Anchovies.....			6,251,800	\$56,962				
Barracuda.....	40,200	\$1,940	232,300	11,210	604,900	\$29,192	469,400	\$22,652
Flounders:								
“California halibut”.....	200	17	900	75	315,800	26,250	81,700	6,792
“Sole”.....			400	12	4,800	139	11,600	335
Other.....			100	12	200	23	8,900	1,040
Flyingfish					37,700	1,482		
Halibut							100	4
Herring					200	4		
Horse mackerel	240,500	2,855	1,060,700	12,593	1,100	13	8,100	96
Kingfish			208,000	4,112	1,100	22	63,500	1,255
“Lingcod”.....					100	5	1,300	62
Mackerel	22,580,600	237,118	31,857,500	334,536	76,000	798	61,888,400	649,885
Perch			18,000	1,310	1,500	109	1,800	131
Pilchard or sardine	176,635,600	943,941	132,753,500	709,432	1,600	32		
Pompano			10,200	1,810				
Rock bass	200	13	400	26	13,200	856	113,700	7,242
Rockfishes			100	4	4,800	307	633,500	26,435
Sablefish					500	26	34,000	1,781
Sculpin					3,100	250	83,200	6,699
Sea bass:								
Black.....	100	6	400	22	4,900	273	32,300	1,801
White.....	17,500	1,440	9,900	815	472,700	38,902	45,200	3,720
Sharks, including grayfish	300	14	2,100	100	211,900	10,087	1,059,100	50,416

Fisheries of the San Pedro district of California, 1940—Continued

CATCH OFF CALIFORNIA: BY GEAR—Continued

Species	Purse seines		Lampara and ring nets		Gill and trammel nets		Lines, set and hand	
	Pounds	Value	Pounds	Value	Pounds	Value	Pounds	Value
FISH—continued								
Sheepshead					4,400	\$154	18,700	\$657
Skates					4,500	55	6,400	79
Smelt			147,300	\$5,601	15,400	585	8,800	334
Swordfish	400	\$54						
Tuna and tunalike fishes:								
Albacore	24,300	1,680	700	49			1,237,500	85,567
Bluefin	10,204,600	571,376	6,276,200	351,420	300	18	8,000	448
Bonito	1,315,200	48,669	1,438,700	53,239	36,200	1,340	12,600	466
Skipjack or striped tuna	2,100	99	5,200	245			319,400	15,057
Yellowfin	31,000	1,796	25,900	1,501			12,100	701
Whitefish					1,300	61	32,700	1,546
Yellowtail	18,600	620	21,400	714	8,700	290	22,500	750
Other fish			7,100	836	6,600	777	34,300	4,042
Total	211,111,400	1,811,638	180,328,800	1,546,636	1,833,500	112,050	66,248,800	889,993
SHELLFISH								
Sea crawfish or spiny lobster					5,900	1,108		
Squid	6,700	144	100,100	2,145	100	3		
Total	6,700	144	100,100	2,145	6,000	1,111		
Grand total	211,118,100	1,811,782	180,428,900	1,548,781	1,839,500	113,161	66,248,800	889,993

Species	Lines, troll		Paranzella nets and otter trawls		Traps		Harpoons	
	Pounds	Value	Pounds	Value	Pounds	Value	Pounds	Value
FISH								
Barracuda	664,900	\$32,087						
Flounders:								
"California halibut"			302,000	\$25,110				
"Sole"			127,200	3,683				
Kingfish			100	2				
Perch					400	\$29		
Rock bass	300	19			49,800	3,202		
Rock fishes	100	4	200	8	100	4		
Sculpin					2,000	161		
Sea bass:								
Black			300	17				
White	500	41						
Sharks, including grayfish	2,200	105	13,200	628				
Sheepshead					29,900	1,050		
Skates			31,500	389				
Swordfish							709,400	\$97,449
Tuna and tunalike fishes:								
Albacore	1,137,600	78,658						
Bluefin	700	39						
Bonito	21,700	803						
Skipjack or striped tuna	12,100	570						
Yellowfin	2,500	145						
Whitefish					12,600	596		
Yellowtail	12,900	430						
Other fish	700	82	300	35	800	94		
Total	1,856,200	112,983	474,800	29,872	95,700	5,136	709,400	97,449
SHELLFISH								
Crabs					3,500	186		
Sea crawfish or spiny lobster					219,800	41,281		
Octopus	100	12			400	47		
Total	100	12			223,700	41,514		
Grand total	1,856,300	112,995	474,800	29,872	319,400	46,650	709,400	97,449

Species	Rakes and by hand		Shovels		Abalone outfits	
	Pounds	Value	Pounds	Value	Pounds	Value
SHELLFISH						
Abalone					182,100	\$53,101
Clams:						
Hard			3,400	\$972		
Pismo			38,500	7,696		
Oysters, market, Pacific	15,700	\$1,727				
Total			41,900	8,668	182,100	53,101

Fisheries of the San Pedro district of California, 1940—Continued

CATCH OFF LATIN AMERICA: BY GEAR

Species	Purse seines		Lines, set and hand		Harpoons		Traps	
	Pounds	Value	Pounds	Value	Pounds	Value	Pounds	Value
FISH								
Barracuda.....	1,063,000	\$50,873	1,900	\$72				
Cabrilla.....	400	22	17,200	926				
Groupers.....			5,500	391				
Rock bass.....			1,300	91				
Sea bass:								
Black.....	4,800	273	246,800	14,059				
White.....	9,300	734	100	8				
Sharks, including grayfish.....			100	9				
Sheepshead.....			700	24				
Spanish mackerel.....			2,800	170				
Swordfish.....					1,800	\$261		
Tuna and tunalike fishes:								
Bluefin.....	686,700	38,392	26,100	1,459				
Bonito.....	1,306,200	48,349	22,000	814				
Skipjack or striped tuna.....	13,091,200	616,620	10,648,300	501,556				
Yellowfin.....	15,180,500	879,255	18,090,600	1,047,805				
Whitefish.....			700	35				
Yellowtail.....	2,876,500	95,642	311,600	10,361				
Other fish.....			100	22				
Total.....	34,218,600	1,730,160	29,375,800	1,577,802	1,800	261		
SHELLFISH								
Sea crawfish or spiny lobster.....							47,700	\$9,019
Grand total.....	34,218,600	1,730,160	29,375,800	1,577,802	1,800	261	47,700	\$9,019

Fisheries of the San Diego district of California, 1940

OPERATING UNITS: BY GEAR

Item	Lampara and ring nets			Gill nets			
	Mackerel	Pilchard or sardine	Other	Drift, barracuda	Set, sea bass	Set, shark	Other
Fishermen:	<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>Number</i>
On vessels.....	258	169	4	8	8	5	
On boats and shore.....	26		17	29	26	1	16
Total.....	284	169	21	37	34	6	16
Vessels, motor.....	20	13	1	2	2	1	
Net tonnage.....	205	126	9	17	17	11	
Boats, motor.....	2	4	4	11	11	1	8
Accessory boats.....	22	13	5				
Apparatus:							
Number.....	22	13	5	13	13	2	11
Length, yards.....	7,822	5,102	1,170				
Square yards.....				68,052	50,950	10,200	14,180

Item	Trammel nets	Lines		Traps, sea crawfish	Harpoons, swordfish	Total, exclusive of duplication
		Set and hand	Troll			
Fishermen:	<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>Number</i>
On vessels.....	3	1,088	5		33	1,208
On boats and shore.....	19	162	89	32	40	221
Total.....	22	1,250	94	32	73	1,429
Vessels, motor.....	1	107	1		7	111
Net tonnage.....	6	7,918	8		105	7,937
Boats, motor.....	6	81	65	23	14	108
Accessory boats.....		125				127
Apparatus:						
Number.....	7	1,455	418	927	21	
Square yards.....	44,308					
Hooks.....		54,219	418			

Fisheries of the San Diego district of California, 1940—Continued

CATCH OFF CALIFORNIA: BY GEAR

Species	Purse seines		Lampara and ring nets		Gill and trammel nets		Lines, set and hand	
	Pounds	Value	Pounds	Value	Pounds	Value	Pounds	Value
FISH								
Anchovies			14,800	\$133				
Barraeuda	7,300	\$294	172,200	6,925	183,100	\$6,580	112,400	\$4,521
Flounders:								
"California halibut"					122,400	10,130	10,400	861
"Sole"							1,900	158
Herring					1,900	32		
Horse mackerel			12,000	133			400	10
Kingfish					400	11	200	7
"Lingcod"								
Mackerel			3,224,400	34,996	41,000	445	382,900	4,156
Mullet					2,000	152		
Perch			1,700	50	400	12		
Pilchard or sardines			2,106,100	9,014	900	9		
Rock bass			800	46	11,300	652	45,400	2,622
Rockfishes					500	25	145,900	6,749
Sculpin			100	5	100	5	33,400	1,786
Sea bass:								
Black					1,600	85	2,500	131
White			2,900	192	88,900	5,879	10,800	714
Sharks, including gray fish			1,000	17	62,500	1,092	104,400	1,826
Sheepshead					100	4	900	34
Skates					400	6	100	1
Smelt			800	29	26,700	979	300	11
Tuna and tunalike fishes:								
Albacore			100	7			520,900	37,129
Bluefin	25,000	1,384	2,309,500	127,722	5,500	451	15,300	847
Bonito	8,000	297	674,200	25,054	3,300	123	29,100	1,081
Skipjack or striped tuna							2,611,400	128,979
Yellowfin							143,600	8,531
Whitefish							1,000	40
Yellowtail	800	32	166,100	5,838	6,700	236	65,400	2,300
Other fish					200	10	100	6
Total	41,100	2,007	8,686,700	210,161	539,900	26,898	4,238,700	202,500
SHELLFISH								
Sea crawfish or spiny lobster					2,000	288		
Squid			39,400	712				
Total			39,400	712	2,000	288		
Grand total	41,100	2,007	8,726,100	210,873	541,900	27,186	4,238,700	202,500

Species	Lines, troll		Traps		Harpoons	
	Pounds	Value	Pounds	Value	Pounds	Value
FISH						
Barracuda	78,700	\$3,165				
Rock bass			4,200	\$243		
Rockfishes			500	25		
Sculpin			200	10		
Sea bass, white	300	20				
Sheepshead			1,700	65		
Swordfish					120,200	\$13,915
Tuna and tunalike fishes:						
Albacore	80,000	5,702				
Bluefin	200	11				
Bonito	10,100	375				
Skipjack or striped tuna	34,900	1,724				
Yellowfin	22,400	1,330				
Yellowtail	5,900	207				
Total	232,500	12,534	6,600	343	120,200	13,915
SHELLFISH						
Sea crawfish or spiny lobster			53,400	7,691		
Grand total	232,500	12,534	60,000	8,034	120,200	13,915

Fisheries of the San Diego district of California, 1940—Continued

CATCH OFF LATIN AMERICA: BY GEAR

Species	Lampara and ring nets		Gill and trammel nets		Lines			
	Pounds	Value	Pounds	Value	Set and hand		Troll	
FISH					Pounds	Value	Pounds	Value
Barracuda			1,900	\$76	67,100	\$2,698	18,000	\$724
Cabrilla					73,000	2,675		
Flounders, "California halibut"			86,100	7,132	400	33		
Groupers					73,300	2,901		
"Lingcod"					300	16		
Perch	300	\$10						
Pilchard or sardine	200	2						
Pompano	100	13						
Rock bass					4,700	271		
Rockfishes					87,500	4,048		
Sculpin					100	4		
Sea bass:								
Black			800	42	70,200	3,722		
White	400	26	38,600	2,553	55,600	3,677	100	7
Sharks, including grayfish			2,400	42	700	12		
Sheepshead			200	7	5,300	203		
Smelt			1,100	39				
Spanish mackerel					100	3		
Tuna and tunalike fishes:								
Albacore					800	56	100	8
Bluefin	397,700	22,016			9,800	543		
Bonito	5,300	197			398,800	14,820	5,600	208
Skipjack or striped tuna					29,918,800	1,477,673	6,800	336
Yellowfin					80,250,800	4,766,307	500	30
Whitefish			200	8	11,100	442		
Yellowtail	105,800	3,721			2,316,600	81,471	17,300	608
Other fish					600	33		
Total	509,800	25,985	131,300	9,899	113,345,600	6,361,608	48,400	1,921

Species	Traps		Harpoons	
	Pounds	Value	Pounds	Value
FISH				
Swordfish			55,100	\$6,380
SHELLFISH				
Sea crawfish or spiny lobster	768,000	\$110,518		
Grand total	768,000	110,518	55,100	6,380

HALIBUT FISHERY OF THE PACIFIC COAST⁸

The halibut fishery of the Pacific coast, which is prosecuted by United States (including Alaskan) and Canadian vessels, ranks as one of the leading fisheries of that section. During 1940 the total catch of halibut by vessels of both nationalities amounted to 52,007,000 pounds, valued at \$4,669,000. This was an increase of 5 percent in the volume and 27 percent in the value of the landings as compared with the previous year. Of the total catch in 1940, 76 percent was taken by United States craft and 24 percent by Canadian craft. Considered according to ports of landing, 36 percent was landed at Seattle, Wash., 46 percent at Canadian ports, and 18 percent at ports in Alaska.

The capture of halibut off the Pacific coast of North America is regulated by the International Fisheries Commission, appointed under the treaty between the United States and Canada for the preservation of the Northern Pacific halibut fishery. As in 1939, the halibut season opened on April 1, 1940. Halibut fishing in areas 1 and 2 (south of Cape Spencer) closed at midnight July 13, while fishing in areas 3 and 4 (west of Cape Spencer) ended at midnight September 26. In 1939, halibut fishing ended on July 29 in areas 1 and 2, and on October 28 in areas 3 and 4.

Halibut fishery of the Pacific coast, 1940

UNITED STATES OPERATING UNITS: BY FLEET CLASSIFICATION

Item	Washington fleet	Alaska fleet	Total
Regular halibut vessels:	<i>Number</i>	<i>Number</i>	<i>Number</i>
Number.....	147	159	306
Net tonnage.....	4,243	2,452	6,695
Crew.....	1,129	776	1,905
Skates of lines.....	4,273	3,149	7,422
Vessels in other fisheries but landing one or more fares of halibut:			
Number.....	1	30	31
Net tonnage.....	10	298	308
Crew.....	2	73	75
Skates of lines.....	13	282	295
Regular halibut boats:			
Number.....		40	40
Crew.....		91	91
Skates of lines.....		368	368
Boats in other fisheries but landing one or more fares of halibut:			
Number.....		47	47
Crew.....		94	94
Skates of lines.....		376	376

⁸ These statistics are compiled from data collected by the International Fisheries Commission for Washington and British Columbia and by Fish and Wildlife Service agents for Alaska. The weights shown represent the poundage of fish landed after evisceration and removal of heads. Data contained in this section do not include landings at ports south of Seattle or of operating units employed exclusively from these ports. Normally halibut landings at ports south of Seattle average less than 3 percent of the annual Pacific coast catch.

Halibut fishery of the Pacific coast, 1940—Continued

CATCH OF ALL SPECIES: BY UNITED STATES VESSELS AND BOATS

Fleet classification	Landed in—						Total	
	Seattle, Wash.		British Columbia		Alaska			
	Pounds	Value	Pounds	Value	Pounds	Value	Pounds	Value
WASHINGTON FLEET								
Regular vessels:								
Halibut	16,940,259	\$1,747,117	4,645,426	\$416,440	891,282	\$73,541	22,476,967	\$2,237,098
Sablefish	2,129,349	94,339	1,609	55	7,673	208	2,138,631	94,602
"Lingcod"	1,079,276	42,631			27	1	1,079,303	42,632
Rockfishes	333,096	16,211			1,609	32	334,705	16,243
Total	20,481,980	1,900,298	4,647,035	416,495	900,591	73,782	26,029,606	2,390,575
Other vessels and boats:								
Halibut	6,044	574					6,044	574
Rockfishes	65	2					65	2
Total	6,109	576					6,109	576
ALASKA FLEET								
Regular vessels:								
Halibut	1,637,927	167,528	6,411,334	577,239	6,779,956	540,408	14,829,217	1,285,175
Sablefish	161,870	6,563	537,380	18,162	1,311,113	33,506	2,010,363	58,231
"Lingcod"	57,543	2,099	15,106	512	4,192	97	76,841	2,708
Rockfishes	36,451	1,601	4,237	126	78,329	2,129	119,017	3,856
Total	1,893,791	177,791	6,968,057	596,039	8,173,590	576,140	17,035,438	1,349,970
Other vessels and boats:								
Halibut			153,980	13,363	1,840,384	144,533	1,994,364	157,896
Sablefish			34,902	1,180	62,810	1,565	97,712	2,745
"Lingcod"	1,475	70			384	8	1,859	78
Rockfishes	127	6			24,983	684	25,110	690
Total	1,602	76	188,882	14,543	1,928,561	146,790	2,119,045	161,409
COMBINED FLEETS								
Regular vessels:								
Halibut	18,578,186	1,914,645	11,056,760	993,679	7,671,238	613,949	37,306,184	3,522,273
Sablefish	2,291,219	100,902	538,989	18,217	1,318,786	33,714	4,148,994	152,833
"Lingcod"	1,136,819	44,730	15,106	512	4,219	98	1,156,144	45,340
Rockfishes	369,547	17,812	4,237	126	79,938	2,161	453,722	20,099
Total	22,375,771	2,078,089	11,615,092	1,012,534	9,074,181	649,922	43,065,044	3,740,545
Other vessels and boats:								
Halibut	6,044	574	153,980	13,363	1,840,384	144,533	2,000,408	158,470
Sablefish			34,902	1,180	62,810	1,565	97,712	2,745
"Lingcod"	1,475	70			384	8	1,859	78
Rockfishes	192	8			24,983	684	25,175	692
Total	7,711	652	188,882	14,543	1,928,561	146,790	2,125,154	161,985
All vessels and boats:								
Halibut	18,584,230	1,915,219	11,210,740	1,007,042	9,511,622	758,482	39,306,592	3,680,743
Sablefish	2,291,219	100,902	573,891	19,397	1,381,596	35,279	4,246,706	155,578
"Lingcod"	1,138,294	44,800	15,106	512	4,603	106	1,158,003	45,418
Rockfishes	369,739	17,820	4,237	126	104,921	2,845	478,897	20,791
Grand total	22,383,482	2,078,741	11,803,974	1,027,077	11,002,742	796,712	45,190,198	3,902,530

Halibut fishery of the Pacific coast, 1940—Continued

CATCH OF HALIBUT: BY UNITED STATES AND CANADIAN VESSELS AND BOATS

[Expressed in thousands of pounds and thousands of dollars; that is, 000 omitted]

Fleet classification	Landed in—						Total	
	Seattle, Wash.		British Columbia		Alaska			
	Quantity	Value	Quantity	Value	Quantity	Value	Quantity	Value
WASHINGTON FLEET								
Regular halibut vessels.....	16,940	1,747	4,646	417	891	73	22,477	2,237
Other vessels and boats.....	6	1	-----	-----	-----	-----	6	1
Total.....	16,946	1,748	4,646	417	891	73	22,483	2,238
ALASKA FLEET								
Regular halibut vessels.....	1,638	168	6,411	577	6,780	540	14,829	1,285
Other vessels and boats.....	-----	-----	154	13	1,841	145	1,995	158
Total.....	1,638	168	6,565	590	8,621	685	16,824	1,443
COMBINED FLEETS								
Regular halibut vessels.....	18,578	1,915	11,057	994	7,671	613	37,306	3,522
Other vessels and boats.....	6	1	154	13	1,841	145	2,001	159
Total.....	18,584	1,916	11,211	1,007	9,512	758	39,307	3,681
British Columbia fleet.....	-----	-----	12,695	988	5	(¹)	12,700	988
Grand total.....	18,584	1,916	23,906	1,995	9,517	758	52,007	4,669

¹ Less than 500 dollars.

NOTE.—In addition to the above, there were 1,235,440 pounds of halibut, sablefish, "lingcod," rockfish, dogfish, and soupfin shark livers, valued at \$550,976, landed by the combined fleets at Pacific coast ports during 1940. Halibut vessels in the combined fleets also landed 748,174 pounds of halibut, sablefish, and "lingcod" viscera, valued at \$59,855, during the same period.

These statistics are compiled from data collected by the International Fisheries Commission for Washington and British Columbia, and by Fish and Wildlife Service agents for Alaska. The tabulation does not include landings at ports south of Seattle, which average less than 3 percent of the annual Pacific coast catch.

VESSEL FISHERIES AT SEATTLE, WASH.

A total of 52,670,834 pounds of fishery products, valued at \$4,157,523, were handled by Seattle wholesale dealers during 1940, exclusive of quantities received by transporting vessels or by rail from Alaska or Canada. This represents an increase of 8 percent in volume and 15 percent in value as compared with the preceding year. Landings by halibut vessels, which amounted to 22,383,482 pounds, valued at \$2,078,744, represent a decrease of 6 percent in volume but a gain of 8 percent in value as compared with the previous year. Receipts by wholesale dealers from sources other than Alaska or Canada, or vessels in the halibut fleet, amounted to 30,287,352 pounds, valued at \$2,078,779, an increase of 21 percent in volume and 23 percent in value as compared with the previous year.

Fishery products landed by the United States halibut fleet at Seattle, Wash., 1940

BY FISHING GROUNDS

Fishing grounds	Trips	Halibut				Sablefish		"Lingcod"		Rockfishes		Total	
		No. 1		No. 2		Pounds	Value	Pounds	Value	Pounds	Value	Pounds	Value
West of Cape Spencer.....	Number 370	Pounds 7,358,678	Value \$785,044	Pounds 5,478,309	Value \$561,460	Pounds 6,357	Value \$320	Pounds 1,941	Value \$68	Pounds 9,320	Value \$314	Pounds 12,854,605	Value \$1,347,206
South of Cape Spencer.....	726	2,914,879	301,209	2,832,364	267,506	2,284,862	100,582	1,136,353	44,732	360,419	17,509	9,528,877	731,538
Total.....	1,096	10,273,557	1,086,253	8,310,673	828,966	2,291,219	100,902	1,138,294	44,800	369,739	17,823	22,383,482	2,078,744
	{1940..... 1939.....}	1,128	11,133,031	1,011,861	8,684,322	710,323	2,877,132	163,608	801,102	32,570	256,443	23,752,030	1,929,627

BY MONTHS

Months	Trips	Halibut				Sablefish		"Lingcod"		Rockfishes		Total	
		No. 1		No. 2		Pounds	Value	Pounds	Value	Pounds	Value	Pounds	Value
January.....	27	Pounds 18,145	Value \$916	Pounds 11,695	Value \$191	Pounds 490	Value \$36	Pounds 201,113	Value \$7,496	Pounds 36,008	Value \$2,036	Pounds 247,451	Value \$10,675
February.....	37	11,388	158	1,508	53	39,738	1,555	252,737	11,532	66,078	3,698	360,449	16,996
March.....	8							48,547	2,483	17,267	1,099	65,814	3,582
April.....	137	1,955,944	188,959	978,875	89,453	2,711	117	69,600	1,808	9,886	275	3,017,016	280,612
May.....	153	1,646,059	166,612	1,346,965	126,707	2,464	119	65,966	1,401	15,529	429	3,076,983	295,268
June.....	142	1,519,288	154,012	1,519,224	142,132	15,855	721	33,043	673	8,553	254	3,095,963	297,792
July.....	158	1,898,348	193,701	1,706,834	164,991	78,020	3,333	18,992	446	12,597	466	3,714,791	362,937
August.....	85	1,096,921	138,281	989,332	115,473	210,355	8,934	13,051	339	19,948	863	2,329,007	263,890
September.....	129	1,291,792	151,694	1,076,705	120,090	628,112	27,538	30,611	1,162	50,627	2,058	3,077,847	302,542
October.....	131	852,775	91,580	686,051	69,349	845,421	36,758	52,902	2,943	45,354	2,184	2,482,503	202,814
November.....	65					430,152	19,733	141,954	7,372	51,319	2,663	623,425	20,768
December.....	24	12,897	340	14,484	527	37,901	2,058	209,778	7,145	36,573	1,798	291,633	11,868
Total.....	1,096	10,273,557	1,086,253	8,310,673	828,966	2,291,219	100,902	1,138,294	44,800	369,739	17,823	22,383,482	2,078,744
	{1940..... 1939.....}	1,128	11,133,031	1,011,861	8,684,322	710,323	2,877,132	163,608	801,102	32,570	256,443	23,752,030	1,929,627

¹ Caught under supervision of the International Fisheries Commission in connection with tagging experiments.

NOTE.—The statistics in this table are compiled from reports collected by the Fish and Wildlife Service and the International Fisheries Commission. The 1940 halibut season opened April 1, and the final date of departure from the banks was September 26.

Fishery products received by Seattle wholesale dealers, 1940¹

BY MONTHS

Item	January		February		March		April		May		June		
	Pounds	Value	Pounds	Value	Pounds	Value	Pounds	Value	Pounds	Value	Pounds	Value	
Cod	99,918	\$2,795	60,619	\$1,698	38,842	\$1,099	20,435	\$562	5,016	\$62	2,442	\$29	
Flounders:													
" Sole	220,602	8,842	197,537	7,922	160,016	6,401	234,042	9,159	261,044	6,383	376,675	8,585	
Other	157,673	3,961	78,062	1,963	28,882	759	4,458	99			118	1	
Halibut							41,796	4,171	71,038	6,507	104,036	9,640	
Herring	23,220	238	105,335	1,002	295,619	2,301	1,345	34	1,485	37			
"Lingcod"	42,924	1,422	39,745	1,470	71,060	2,497	124,926	3,152	142,768	2,152	299,129	3,913	
Perch	10,738	388	10,879	430	19,108	740	20,154	632	8,090	235	1,140	44	
Rockfishes	45,169	1,235	65,809	1,575	92,229	1,986	54,256	1,125	22,347	397	22,571	430	
Sablefish											5,174	247	
Salmon:													
Chinook or king	1,338	272	26,806	4,892	104,750	15,922	293,724	40,803	405,812	42,341	650,877	65,045	
Chum or keta	57,457	2,298	56,168	2,247									
Silver or coho	648	51					205	18	15,890	1,345	219,108	15,712	
Smelt:													
Eulachon	7,050	423	44,950	1,425	89,000	1,472							
Silver	19,397	1,173	4,792	292	3,277	191	1,062	127	29,339	1,861	64,498	2,298	
Crabs	189,302	8,418	195,184	7,588	191,174	5,898	167,480	5,417	151,456	4,554	119,604	4,947	
Shrimp	310	48					6,997	561	2,229	237	1,111	172	
Clams, hard, in shell (meats)	45,249	3,682	38,900	3,468	43,775	3,889	42,987	3,734	2,350	186			
Oysters:													
Olympia:													
In shell (meats)	2,815	1,726	2,695	1,624	2,574	1,284	2,093	1,044	1,227	612	1,203	600	
Shucked	1,942	1,650	1,628	1,348	1,278	1,022	1,278	1,022	1,181	925	648	511	
Pacific:													
In shell (meats)	20,821	1,174	22,960	1,295	19,129	1,079	19,444	1,097	8,003	451	4,592	259	
Shucked	110,591	14,535	94,264	12,389	73,282	9,631	45,368	5,613	25,874	2,994	15,969	1,825	
Scallops, bay (meats)	1,231	313	1,390	355	1,350	340	1,037	260	1,112	278	1,137	286	
Octopus	2,980	113	3,600	114	3,246	106	3,582	119	2,730	96	1,932	67	
Squid	10,425	311	1,585	71	1,265	70							
Livers:													
Dogfish											8,180	409	
Halibut	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	
"Lingcod" and rockfish	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	
Sablefish	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	
Shark, soupfin	584	175	328	98	89	27	57	17	39	12	103	31	
Viscera; halibut, "lingcod," etc.	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	
Total	{1940 1,039 ⁴	1,072,384 1,003,933	55,243 50,549	1,053,236 842,840	53,266 47,410	1,239,945 1,196,744	56,714 78,830	1,086,726 1,031,530	78,766 59,236	1,159,030 997,161	71,665 41,035	1,900,247 1,750,079	115,051 101,040

Item	July		August		September		October		November		December		Total	
	Pounds	Value	Pounds	Value	Pounds	Value	Pounds	Value	Pounds	Value	Pounds	Value	Pounds	Value
Cod.....	1,938	\$17	1,850	\$19	13,895	\$160	22,441	\$381	43,881	\$1,221	89,139	\$2,487	400,416	\$10,530
Flounders:														
"Solé".....	585,567	13,261	822,387	18,509	846,006	19,034	490,977	12,683	126,091	5,054	162,000	6,603	4,482,944	122,436
Other.....			125	1	18,641	245	168,429	2,118	28,131	700	39,056	975	523,575	10,822
Halibut.....	42,111	3,752	861	71	906	93	269	26					261,017	24,260
Herring.....									388	12			427,392	3,624
"Lingcod".....	397,879	4,667	387,057	4,501	183,199	2,744	50,546	1,096	43,983	1,426	52,716	1,649	1,835,932	30,689
Perch.....			1,549	51	4,579	149	7,656	246	9,416	328	8,984	335	102,293	3,578
Rockfishes.....	13,341	198	11,632	166	12,146	249	13,097	262	22,464	684	64,654	1,632	439,715	9,939
Sablefish.....	16,046	517	30,226	757	26,418	518	4,805	161	1,512	56			84,181	2,256
Salmon:														
Blueback, red, or sockeye.....	57,898	6,220	115,895	12,459	2,242	241							176,035	18,920
Chinook or king.....	2,003,495	202,479	1,811,738	189,520	1,202,009	104,170	304,113	31,990	4,415	355	397	58	6,809,474	697,847
Chum or keta.....					7,371	284	1,339,324	59,064	2,549,931	108,660	235,622	8,263	4,245,873	180,816
Humpback or pink.....	224	8	9,735	292	10,948	328							20,907	628
Silver or coho.....	806,762	58,059	945,466	75,421	2,022,738	146,874	794,604	54,985	126,713	10,251	16,882	1,948	4,949,016	364,664
Smelt:													141,000	3,320
Eulachon.....													480,976	20,568
Silver.....	73,488	2,087	74,766	2,357	55,268	1,838	43,539	1,953	70,180	4,233	41,370	2,148	416,773	29,988
Tuna, albacore.....	105,818	7,080	229,959	16,737	46,638	3,471	34,358	2,700					1,930,528	81,454
Crabs.....	129,206	6,970	139,304	5,829	140,074	6,574	171,462	8,922	179,610	9,024	156,672	7,313	36,345	3,586
Shrimp.....	2,056	432	2,594	548	4,841	409	7,773	565	4,205	272	4,229	342	319,248	28,826
Clams, hard, in shell (meats).....					38,375	3,594	36,000	3,373	34,712	3,258	36,900	3,642		
Oysters:														
Olympia:														
In shell (meats).....	1,227	612	1,732	864	2,310	1,224	3,344	1,772	3,537	1,874	4,024	1,999	28,781	15,235
Shucked.....	1,050	840	1,356	1,085	1,978	1,582	2,082	1,785	3,570	3,080	5,040	4,349	23,031	19,199
Pacific:														
In shell (meats).....	9,217	492	13,120	700	32,603	1,740	5,025	268	6,212	334	10,325	551	171,451	9,440
Shucked.....	11,629	1,325	13,782	1,638	48,808	6,561	137,147	19,452	141,750	20,554	155,470	22,939	873,934	119,456
Scallops, bay (meats).....	1,335	299	1,750	390	1,352	370	1,260	317	1,349	344	1,292	328	15,595	3,880
Octopus.....	1,320	56	691	30	2,055	97	2,352	100	3,976	157	4,268	205	32,732	1,260
Squid.....					1,455	77	4,190	163	20,445	561	11,040	252	50,405	1,505
Livers:														
Dogfish.....	41,820	2,091	30,421	1,521	7,036	352	18,477	924	88,520	5,070	125,393	7,940	319,847	18,316
Halibut.....	(3)	(3)	(3)	(3)	(3)	(3)	(3)	(3)	(3)	(3)	(3)	(3)	366,385	183,192
"Lingcod" and rockfish.....	(3)	(3)	(3)	(3)	(3)	(3)	(3)	(3)	(3)	(3)	(3)	(3)	37,494	14,998
Sablefish.....	(3)	(3)	(3)	(3)	(3)	(3)	(3)	(3)	(3)	(3)	(3)	(3)	48,323	16,913
Shark, soupfin.....	512	154	228	80	1,450	1,450	5,114	4,071	2,594	2,056	698	558	11,796	8,729
Viscera, halibut, "lingcod," etc.....	(3)	(3)	(3)	(3)	(3)	(3)	(3)	(3)	(3)	(3)	(3)	(3)	223,938	17,915
Total.....	{1940 1939	{311,616 192,440	{4,648,224 3,665,598	{333,546 217,501	{4,735,341 4,697,705	{304,428 268,335	{3,668,384 3,233,802	{209,377 192,915	{3,517,585 2,267,893	{179,564 128,431	{1,226,171 915,959	{76,525 56,838	{30,287,352 25,125,465	{2,078,779 1,687,709

¹ Does not include fish received from Alaska or Canada.

² 88,997 dozen.

³ Data not available.

⁴ Includes receipts of Olympia and Pacific oysters, which were not included in the sum-

mary of 1939 wholesale receipts published in Fishery Statistics of the United States, 1939.

NOTE.—The yields of bivalve mollusks have been converted from weights in the shell to shucked weights on the following bases: Hard clams 25 percent, Olympia oysters 20 percent, pacific oysters 14 percent, and bay scallops 17 percent.

LAKE FISHERIES⁹

In 1940 the yield of the fisheries of the Great Lakes, including those of the international lakes of northern Minnesota, in the United States and Canada, amounted to 103,518,400 pounds, representing a decrease of 10 percent as compared with the catch in the preceding year.

Considering the fishery of United States craft only, the catch amounted to 79,296,400 pounds, valued at \$5,623,369, which is a decrease of 7 percent in volume and 17 percent in value as compared with the catch of the previous year. These fisheries gave employment to 5,142 fishermen as compared with 7,390 in the previous year.

Lake fisheries of the United States and Canada, 1940

CATCH: BY LAKES

Species	Lake Ontario			Lake Erie		
	United States	Canada	Total	United States	Canada	Total
	<i>Pounds</i>	<i>Pounds</i>	<i>Pounds</i>	<i>Pounds</i>	<i>Pounds</i>	<i>Pounds</i>
Blue pike	122,600	96,100	218,700	4,950,800	2,012,300	6,963,100
Bowfin				3,000	(¹)	3,000
Burbot	13,400	(¹)	13,400	371,000	(¹)	371,000
Carp	763,700	181,700	945,400	2,485,800	297,600	2,783,400
Catfish and bullheads	72,200	90,700	162,900	558,600	129,400	688,000
Cisco	94,700	1,618,200	1,712,900	62,100	585,500	647,600
Eels, common	32,100	33,000	65,100			
Goldfish				216,700	(¹)	216,700
Lake trout	13,700	187,400	201,100	200	(¹)	200
Mooneye				15,200	(¹)	15,200
Pike or pickerel (jacks)	13,600	64,300	77,900	300	29,600	29,900
Rock bass	1,500	(¹)	1,500	7,800	(¹)	7,800
Sauger				610,700	(¹)	610,700
Sheepshead				2,960,400	(¹)	2,960,400
Sturgeon	10,400	7,300	17,700	11,800	15,900	27,700
Sucker, "mullet"	34,600	(¹)	34,600	713,800	(¹)	713,800
Sunfish	34,200	(¹)	34,200			
White bass				469,400	(¹)	469,400
Whitefish, common	111,100	403,600	514,700	2,605,800	3,136,600	5,742,400
Yellow perch	35,600	117,700	153,300	3,031,000	1,993,500	5,024,500
Yellow pike	5,600	4,300	9,900	3,869,600	426,300	4,295,900
Miscellaneous		235,300	235,300		1,140,200	1,140,200
Total	1,359,000	3,039,600	4,398,600	22,944,000	9,766,900	32,710,900

¹ Where there has been a Canadian catch of these species it is included under "Miscellaneous."

⁹ The statistics of the catch were obtained principally from records of the various State fishery agencies. The data for the operating units (fishermen, vessels, boats, and gear) of the United States were obtained largely by Fish and Wildlife Service agents in a special canvass; although State records in several instances were very helpful in this work. In all cases the statistics collected are for the calendar year, except for Lake of the Woods, Rainy Lake, and Namakan Lake in Minnesota, which are for two seasons. For Lake of the Woods, the seasons are from June 1 to November 1 and December 1 to April 1 and for Rainy and Namakan Lakes from May 15 to November 1 and December 1 to April 1. The catches for these two seasons, in the order named, have been combined to constitute a year. The quantity of fish taken in these lakes between January 1 and April 1 is estimated at less than 3 percent of the total catch.

Lake fisheries of the United States and Canada, 1940—Continued

CATCH: BY LAKES—Continued

Species	Lake Huron			Lake Michigan	Lake Superior		
	United States	Canada	Total	United States	United States	Canada	Total
	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds
Blue pike		300	300			5,200	5,200
Bowfin	3,100	(¹)	3,100	100			
Burbot	300	(¹)	300	34,600	3,900	(¹)	3,900
Carp	765,300	77,100	842,400	1,978,900		100	100
Catfish and bullheads	274,500	25,900	300,400	127,200			
Chubs	148,200	393,400	541,600	1,647,500	614,800	240,400	855,200
Goldfish	300	(¹)	300				
Lake herring	3,302,700	179,500	3,482,200	2,675,200	16,502,100	1,201,200	17,703,300
Lake trout	902,300	2,726,900	3,629,200	6,265,700	2,676,900	1,261,200	3,938,100
Pike or pickerel (jacks)	300	125,400	125,700	7,300	700	6,900	7,600
Rock bass	9,900	(¹)	9,900	800			
Sauger	2,500	(¹)	2,500	600	100	(¹)	100
Sheepshead	12,600	(¹)	12,600	22,800			
Smelt				4,208,800			
Sturgeon		9,900	9,900			4,000	4,000
Sucker, "mullet"	1,343,800	(¹)	1,343,800	2,016,700	158,200	(¹)	158,200
White bass	100	(¹)	100				
Whitefish:							
Common	188,100	1,098,400	1,286,500	954,800	692,200	385,000	1,077,200
Menominee	44,000	(¹)	44,000	42,100	14,900	(¹)	14,900
Yellow perch	527,800	296,700	824,500	2,575,500	3,100	900	4,000
Yellow pike	1,572,800	320,700	1,893,500	42,900	5,500	155,100	160,600
Crawfish				2,700			
Mussel shells				209,500			
Miscellaneous		407,900	407,900			58,900	58,900
Total	9,098,600	5,662,100	14,760,700	22,813,700	20,672,400	3,318,900	23,991,300

Species	Namakan Lake			Rainy Lake		
	United States	Canada	Total	United States	Canada	Total
	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds
Burbot				22,700	(¹)	22,700
Lake trout					300	300
Pike or pickerel (jacks)	2,800	2,100	4,900	26,100	207,700	233,800
Sturgeon		600	600	100	400	500
Sucker "mullet"				2,500	(¹)	2,500
Tullibees				300	6,600	6,900
Whitefish, common	26,400	7,100	33,500	36,600	48,700	85,300
Yellow perch				1,500	9,900	11,400
Yellow pike	7,700	5,600	13,300	42,100	222,700	264,800
Miscellaneous		2,000	2,000		111,300	111,300
Total	36,900	17,400	54,300	131,900	607,600	739,500

¹ Where there has been a Canadian catch of these species it is included under "Miscellaneous."

Lake fisheries of the United States and Canada, 1940—Continued

CATCH: BY LAKES—Continued

Species	Lake of the Woods			Total for all lakes		
	United States	Canada	Total	United States	Canada	Total
	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds
Blue pike.....				5,073,400	2,113,900	7,187,300
Bowfin.....				6,200	(1)	6,200
Burbot.....	42,100	(1)	42,100	488,000	(1)	488,000
Carp.....	4,300	500	4,800	5,998,000	557,000	6,555,000
Catfish and bullheads.....	21,000	2,800	23,800	1,053,500	248,800	1,302,300
Chubs.....				2,410,500	633,800	3,044,300
Cisco.....				156,800	2,203,700	2,360,500
Crappie.....	400	(1)	400	400	(1)	400
Eels, common.....				32,100	33,000	65,100
Goldfish.....				217,000	(1)	217,000
Lake herring.....				22,480,000	1,380,700	23,860,700
Lake trout.....		9,500	9,500	9,858,800	4,185,300	14,044,100
Mooneye.....				15,200	(1)	15,200
Pike or pickerel (jacks).....	168,500	423,000	591,500	219,600	859,000	1,078,600
Rock bass.....				20,000	(1)	20,000
Sauger.....	82,100	32,200	114,300	696,000	32,200	728,200
Sheepshead.....				2,995,800	(1)	2,995,800
Smelt.....				4,208,800	(1)	4,208,800
Sturgeon.....	500	(1)	500	22,800	38,100	60,900
Sucker, "mullet".....	129,100	(1)	129,100	4,398,700	(1)	4,398,700
Sunfish.....				34,200	(1)	34,200
Tullibees.....	1,226,300	92,000	1,318,300	1,226,600	98,600	1,325,200
White bass.....				469,500	(1)	469,500
Whitefish:						
Common.....	3,500	220,700	224,200	4,618,500	5,300,100	9,918,600
Menominee.....				101,000	(1)	101,000
Yellow perch.....	41,200	28,500	69,700	6,215,700	2,447,200	8,662,900
Yellow pike.....	520,900	804,000	1,324,900	6,067,100	1,938,700	8,005,800
Crawfish.....				2,700	(1)	2,700
Mussel shells.....				209,500	(1)	209,500
Miscellaneous.....		196,300	196,300		2,151,900	2,151,900
Total.....	2,239,900	1,809,500	4,049,400	79,296,400	24,222,000	103,518,400

¹ Where there has been a Canadian catch of these species it is included under "Miscellaneous."

Lake fisheries of the United States, 1940

OPERATING UNITS: BY LAKES

Item	Lake Ontario	Lake Erie	Lake Huron	Lake Michigan	Lake Superior	Lake of the Woods, Rainy Lake, and Namakan Lake	Total
Fishermen:	<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>Number</i>
On vessels.....	6	338	161	882	307		1,694
On boats and shore:							
Regular.....	61	486	426	459	521	123	2,076
Casual.....	76	259	80	785	172		1,372
Total.....	143	1,083	667	2,126	1,000	123	5,142
Vessels:							
Steam.....		12	5	9	4		30
Net tonnage.....		279	98	180	89		646
Motor.....	2	63	39	262	103		469
Net tonnage.....	19	600	585	3,197	1,026		5,427
Total vessels.....	2	75	44	271	107		499
Total net tonnage.....	19	879	683	3,377	1,115		6,073
Boats:							
Motor.....	50	237	175	279	386	59	1,186
Other.....	34	105	75	180	159	46	599

Lake fisheries of the United States, 1940—Continued

OPERATING UNITS: BY LAKES—Continued

Item	Lake Ontario	Lake Erie	Lake Huron	Lake Michigan	Lake Superior	Lake of the Woods, Rainy Lake, and Namakan Lake	Total
	Number	Number	Number	Number	Number	Number	Number
Apparatus:							
Haul seines.....	7	78	33	41	10		169
Length, yards.....	2, 570	59, 659	15, 620	40, 600	1, 865		120, 314
Gill nets:							
"Shoal," 2½ to 3¾ inches.....	955	13, 910	1, 969	1 18, 924	10, 418		46, 176
Square yards.....	144, 350	1, 799, 000	580, 929	4, 767, 395	2, 562, 942		9, 854, 616
"Shoal," 4 to 7 inches.....	596	12, 656	4, 684	29, 092	12, 548	214	59, 790
Square yards.....	87, 800	1, 911, 840	1, 748, 100	9, 848, 509	5, 061, 071	64, 366	18, 721, 686
"Shoal," 10 to 14 inches.....	17	48					65
Square yards.....	3, 500	8, 300					11, 800
Bar nets.....		75					75
Square yards.....		6, 000					6, 000
Lines:							
Troll.....				25	35		60
Hooks.....				29	55		84
Trot.....	47	50	220	291	1, 650		2, 258
Hooks.....	15, 440	19, 550	73, 050	128, 250	379, 465		615, 755
Pound nets.....		53	191	501	192	69	1, 006
Trap nets.....	133	4, 501	1, 901	628	167		7, 330
Fyke nets.....	83	703	106	821	7		1, 787
Crawfish pots.....				700			700
Crowfoot bars.....				22			22
Picks.....				13			13

¹ Includes a number of smelt gill nets which had a mesh measuring about 1½ inches.

OPERATING UNITS: BY STATES AND LAKES

Item	New York			Pennsylvania	Ohio
	Lake Ontario	Lake Erie	Total	Lake Erie	Lake Erie
Fishermen:					
On vessels.....	6	45	51	134	159
On boats and shore:					
Regular.....	61	26	87	29	391
Casual.....	76	41	117		149
Total.....	143	112	255	163	699
Vessels:					
Steam.....		1	1	8	3
Net tonnage.....		24	24	157	98
Motor.....	2	8	10	17	38
Net tonnage.....	19	65	84	169	366
Total vessels.....	2	9	11	25	41
Total net tonnage.....	19	89	108	326	464
Boats:					
Motor.....	50	17	67	8	183
Other.....	34	26	60	4	55
Apparatus:					
Haul seines.....	7		7		57
Length, yards.....	2, 570		2, 570		46, 285
Gill nets:					
"Shoal", 2½ to 3¾ inches.....	955	2, 100	3, 055	6, 064	5, 746
Square yards.....	144, 350	267, 300	411, 650	795, 900	735, 800
"Shoal", 4 to 7 inches.....	596	2, 960	3, 556	6, 160	3, 530
Square yards.....	87, 800	354, 700	442, 500	985, 600	570, 340
"Shoal", 10 to 14 inches.....	17	8	25		40
Square yards.....	3, 500	1, 200	4, 700		7, 100
Bar nets.....					75
Square yards.....					6, 000
Lines, trot.....	47	40	87		
Hooks.....	15, 440	17, 050	32, 490		
Pound nets.....				53	
Trap nets.....	133	14	147		4, 388
Fyke nets.....	83		83		267

Lake fisheries of the United States, 1940—Continued

OPERATING UNITS: BY STATES AND LAKES—Continued

Item	Michigan					Indiana
	Lake Eric	Lake Huron	Lake Michigan	Lake Superior	Total	Lake Michigan
Fishermen:	<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>Number</i>
On vessels.....		161	349	163	673	22
On boats and shore:						
Regular.....	40	426	152	234	852	6
Casual.....	69	80	304	86	539	34
Total.....	109	667	805	483	2,064	62
Vessels:						
Steam.....		5	5	4	14	
Net tonnage.....		98	79	89	266	
Motor.....		39	106	50	195	7
Net tonnage.....		585	1,130	521	2,236	77
Total vessels.....		44	111	54	209	7
Total net tonnage.....		683	1,209	610	2,502	77
Boats:						
Motor.....	29	175	130	142	476	14
Other.....	20	75	85	84	264	17
Apparatus:						
Haul seines.....	21	33		10	64	
Length, yards.....	13,374	15,620		1,865	30,859	
Gill nets:						
"Shoal", 2¼ to 3¾ inches.....		1,969	15,077	5,219	12,265	626
Square yards.....		580,929	1,062,653	718,988	2,362,570	125,450
"Shoal", 4 to 7 inches.....	6	4,684	17,286	7,914	29,890	435
Square yards.....	1,200	1,748,100	4,407,565	2,928,771	9,085,636	96,57
Lines:						
Troll.....			25	35	60	
Hooks.....			29	55	84	
Trot.....	10	220	113	1,052	1,395	
Hooks.....	2,500	73,050	36,200	286,950	398,700	
Pound nets.....		191	278	109	578	6
Trap nets.....	99	1,901	624	167	2,791	4
Fyke nets.....	436	106	35	7	584	
Crowfoot bars.....			13		13	
Picks.....			13		13	

¹ Includes a number of smelt gill nets which had a mesh measuring about 1½ inches.

Lake fisheries of the United States, 1940—Continued

OPERATING UNITS: BY STATES AND LAKES—Continued

Item	Illinois	Wisconsin			Minnesota		Total
	Lake Michigan	Lake Michigan	Lake Superior	Total	Lake Superior	Lake of the Woods, Rainy Lake, and Naman Lake	
Fishermen:	<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>Number</i>
On vessels.....	62	449	130	579	14		14
On boats and shore:							
Regular.....	14	287	48	335	239	123	362
Casual.....	2	445	45	490	41		41
Total.....	78	1,181	223	1,404	294	123	417
Vessels:							
Steam.....		4		4			
Net tonnage.....		101		101			
Motor.....	19	130	47	177	6		6
Net tonnage.....	329	1,661	456	2,117	49		49
Total vessels.....	19	134	47	181	6		6
Total net tonnage.....	329	1,762	456	2,218	49		49
Boats:							
Motor.....	7	128	42	170	202	59	261
Other.....		78	19	97	56	46	102
Apparatus:							
Haul seines.....		41		41			
Length, yards.....		40,600		40,600			
Gill nets:							
"Shoal," 2½ to 3¾ inches.....	1,890	11,331	2,887	14,218	2,312		2,312
Square yards.....	740,265	2,839,047	1,081,778	3,920,825	762,176		762,176
"Shoal," 4 to 7 inches.....	1,540	9,831	3,179	13,010	1,455	214	1,669
Square yards.....	764,425	4,579,949	1,704,500	6,284,449	427,800	64,366	492,166
Lines, trot.....		178	105	283	493		493
Hooks.....		92,050	59,270	151,320	33,245		33,245
Pound nets.....		217	83	300		69	69
Fyke nets.....		786		786		67	67
Crawfish pots.....		700		700			
Crowfoot bars.....		9		9			

¹ Includes a number of smelt gill nets which had a mesh measuring about 1½ inches.

OPERATING UNITS OF LAKE ONTARIO: BY GEAR¹

Item	Haul seines	Gill nets			Lines, trot	Trap nets	Fyke nets	Total, exclusive of duplication
		"Shoal," 2½ to 3¾ inches	"Shoal," 4 to 7 inches	"Shoal," 10 to 14 inches				
Fishermen:	<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>Number</i>
On vessels.....		4	6					
On boats and shore:								
Regular.....	12	41	20	3	4	23	10	61
Casual.....	17	6	3	3	27	11	17	76
Total.....	29	51	29	6	31	34	27	143
Vessel, motor:								
Net tonnage.....		1	2					2
Net tonnage.....		7	19					19
Boats:								
Motor.....	6	22	10	2	16	8	7	50
Other.....	5	1	1	2	10	9	11	34
Apparatus:								
Number.....	7	955	596	17	47	133	83	
Length, yards.....	2,570							
Square yards.....		144,350	87,800	3,500				
Hooks.....					15,440			

¹ Includes Niagara River below the falls and the St. Lawrence River.

Lake fisheries of the United States, 1940—Continued

OPERATING UNITS OF LAKE ERIE: BY GEAR¹

Item	Haul seines	Gill nets			Bar nets	Lines, trot	Pound nets	Trap nets	Fyke nets	Total, exclusive of duplication
		"Shoal," 2½ to 3¾ inches	"Shoal," 4 to 7 inches	"Shoal," 10 to 14 inches						
Fishermen:	<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>Number</i>
On vessels		260	249					62		338
On boats and shore:										
Regular	44	30	50	2	11		26	376	65	496
Casual	169	17	2	3		38		17	57	259
Total	213	307	301	5	11	38	26	455	122	1,083
Vessels:										
Steam		11	10							12
Net tonnage		255	214							279
Motor		42	40					19		63
Net tonnage		436	405					134		600
Total vessels		53	50					19		75
Total net tonnage		691	619					134		879
Boats:										
Motor	51	18	20	2	5	4	7	146	38	237
Other	55	8	1	1		25	4	7	16	105
Apparatus:										
Number	78	13,910	12,656	48	75	50	53	4,501	703	
Length, yards	59,659									
Square yards		1,799,000	1,911,840	8,300	6,000					
Hooks						19,550				

¹ Includes Niagara River above the falls.

OPERATING UNITS OF LAKE HURON: BY GEAR

Item	Haul seines	Gill nets		Lines, trot	Pound nets	Trap nets	Fyke nets	Total, exclusive of duplication
		"Shoal," 2½ to 3¾ inches	"Shoal," 4 to 7 inches					
Fishermen:	<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>Number</i>
On vessels		60	85	63	4	37		161
On boats and shore:								
Regular	47	29	49	7	84	304	20	426
Casual	32	20	14	4	3	13		80
Total	79	109	148	74	91	354	20	667
Vessels:								
Steam		1	3	3				5
Net tonnage		8	36	77				98
Motor		14	20	11	1	12		39
Net tonnage		233	337	289	7	93		585
Total vessels		15	23	14	1	12		44
Total net tonnage		241	373	366	7	93		683
Boats:								
Motor	25	15	19	4	30	109	8	175
Other	29	16	5	1	6	26	1	75
Apparatus:								
Number	33	1,969	4,684	220	191	1,901	106	
Length, yards	15,620							
Square yards		580,929	1,748,100					
Hooks				73,050				

Lake fisheries of the United States, 1940—Continued

OPERATING UNITS OF LAKE MICHIGAN: BY GEAR

Item	Haul seines	Gill nets		Lines		Pound nets	Trap nets	Fyke nets
		"Shoal", 2¾ to 3¾ inches	"Shoal", 4 to 7 inches	Troll	Trot			
Fishermen:	<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>Number</i>
On vessels.....		526	697		178	5	18	19
On boats and shore:								
Regular.....	61	257	190			205	82	129
Casual.....	29	478	217	10		117	38	19
Total.....	90	1,261	1,104	10	178	327	138	167
Vessels:								
Steam.....		6	6		2			
Net tonnage.....		94	100		68			
Motor.....		154	203		43	1	6	10
Net tonnage.....		1,942	2,596		672	7	37	59
Total vessels.....		160	209		45	1	6	10
Total net tonnage.....		2,036	2,696		740	7	37	59
Boats:								
Motor.....	29	99	81	5		88	34	49
Other.....	31	50	9			36	20	32
Apparatus:								
Number.....	41	18,924	29,092	25	291	501	628	821
Length, yards.....	40,600							
Square yards.....		4,767,395	9,848,509					
Hooks.....				29	128,250			

Item	Crawfish pots	Crowfoot bars	Picks	By hand	Total, exclusive of duplication
Fishermen:	<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>Number</i>
On vessels.....					882
On boats and shore:					
Regular.....	5				459
Casual.....	5	20	14	8	785
Total.....	10	20	14	8	2,126
Vessels:					
Steam.....					9
Net tonnage.....					180
Motor.....					262
Net tonnage.....					3,197
Total vessels.....					271
Total net tonnage.....					3,377
Boats:					
Motor.....	3	17	3	1	279
Other.....	7	10	12	7	180
Apparatus, number.....	700	22	13		

¹ Includes a number of smelt gill nets which had a mesh measuring about 1½ inches.

Lake fisheries of the United States, 1940—Continued

OPERATING UNITS OF LAKE SUPERIOR: BY GEAR

Item	Haul seines	Gill nets		Lines		Pound nets	Trap nets	Fyke nets	Total, exclusive of duplication
		"Shoal," 2½ to 3¾ inches	"Shoal," 4 to 7 inches	Troll	Trot				
Fishermen:	Number	Number	Number	Number	Number	Number	Number	Number	Number
On vessels.....		218	223	2	137		9		307
On boats and shore:									
Regular.....	3	409	286	4	167	77	29	3	521
Casual.....	15	92	62	6	13	11	1		172
Total.....	18	719	571	12	317	88	39	3	1,000
Vessels:									
Steam.....		2	4		2				4
Net tonnage.....		30	89		30				89
Motor.....		78	74	1	45		2		163
Net tonnage.....		743	756	10	449		13		1,026
Total vessels.....		80	78	1	47		2		107
Total net tonnage.....		773	845	10	479		13		1,115
Boats:									
Motor.....	2	24	196	6	106	23	5	1	386
Other.....	8	93	42		3	32	10	1	159
Apparatus:									
Number.....	10	10,418	12,548	35	1,650	192	167	7	
Length, yards.....	1,865								
Square yards.....		2,562,942	5,061,071						
Hooks.....				55	379,465				

OPERATING UNITS OF LAKE OF THE WOODS, RAINY LAKE, AND NAMAKAN LAKE: BY GEAR

Item	Gill nets, "shoal," 4 to 7 inches	Pounds nets	Fyke nets	Total, exclusive of duplication
	Number	Number	Number	Number
Fishermen, on boats and shore, regular.....	79	43	25	123
Boats:				
Motor.....	42	17	12	59
Other.....	32	10	12	46
Apparatus:				
Number.....	214	69	67	
Square yards.....	64,366			

CATCH: BY GEAR

Species	New York							
	Haul seines		Gill net		Trot lines		Trap nets	
	Pounds	Value	Pounds	Value	Pounds	Value	Pounds	Value
Blue pike.....			215,000	\$18,391			4,900	\$426
Burbot.....			11,300	452			3,600	144
Carp.....	751,300	\$30,052			600	\$16	9,500	378
Catfish and bullheads.....					200	18	42,500	3,825
Cisco.....			102,400	11,264			3,600	396
Eels, common.....							25,800	1,032
Lake trout.....	4,500	585	8,900	1,171			500	65
Pike or pickerel (jacks).....			400	28			10,100	707
Rock bass.....							1,600	65
Sheepshead.....			900	27			100	3
Sturgeon.....			800	1,390	14,400	1,826	300	1,150
Sucker, "mullet".....			9,400	376	600	28	19,300	772
Sunfish.....							30,900	927
White bass.....			5,900	236				
Whitefish, common.....			543,000	81,450			1,200	180
Yellow perch.....			38,700	2,987	100	9	15,600	1,384
Yellow pike.....			21,100	3,165			7,400	1,110
Total.....	755,800	30,637	957,800	119,937	15,900	8,697	176,900	11,564

¹ Includes value of roe.

Lake fisheries of the United States, 1940—Continued

CATCH: BY GEAR—Continued

Species	New York—Continued				Pennsylvania	
	Fyke nets		Total		Gill nets	
	Pounds	Value	Pounds	Value	Pounds	Value
Blue pike.....	100	\$9	220,000	\$18,826	180,800	\$12,656
Burbot.....	200	8	15,100	604	21,300	213
Carp.....	2,800	112	764,200	30,558		
Catfish and bullheads.....	30,000	2,700	72,700	6,543		
Cisco.....			106,000	11,660	31,000	4,185
Eels, common.....	6,300	252	32,100	1,284		
Lake trout.....			13,900	1,821		
Pike or pickerel (jacks).....	3,100	217	13,600	952		
Rock bass.....			1,600	65		
Sheepshead.....			1,000	30	13,000	260
Sturgeon.....			15,600	9,166		
Sucker, "mullet".....	10,700	428	40,000	1,604	3,400	51
Sunfish.....	3,300	99	34,200	1,026		
White bass.....			5,900	236	23,300	1,049
Whitefish, common.....			544,200	81,630	1,449,900	202,986
Yellow perch.....	7,000	630	61,400	5,010	109,200	7,098
Yellow pike.....	100	15	28,600	4,290	8,600	903
Total.....	63,600	4,470	1,970,000	175,305	1,840,500	229,401

Species	Pennsylvania—Continued				Ohio			
	Pound nets		Total		Haul seines		Gill nets	
	Pounds	Value	Pounds	Value	Pounds	Value	Pounds	Value
Blue pike.....	131,700	\$9,219	312,500	\$21,875	100	\$8	101,000	\$8,080
Burbot.....	9,800	98	31,100	311			200	2
Carp.....	7,900	158	7,900	158	1,653,800	33,076	25,200	504
Catfish and bullheads.....	4,400	220	4,400	220	167,800	11,746	3,800	266
Cisco.....	2,500	338	33,500	4,523			13,400	2,010
Goldfish.....					201,000	6,030		
Mooneye.....					8,700	348		
Sauger.....					6,300	567	241,400	21,726
Sheepshead.....	33,100	662	46,100	922	632,000	12,640	11,000	220
Sturgeon.....	800	232	800	232			3,500	1,050
Sucker, "mullet".....	10,600	159	14,000	210	24,600	492	7,200	144
White bass.....	33,900	1,526	57,200	2,575	48,800	2,928	17,300	1,038
Whitefish, common.....	77,200	10,808	1,527,100	213,794			288,800	51,984
Yellow perch.....	107,300	6,975	216,500	14,073	3,100	279	451,800	40,662
Yellow pike.....	35,000	3,675	43,600	4,578	22,000	2,420	71,300	7,843
Total.....	454,200	34,070	2,294,700	263,471	2,768,200	70,534	1,235,900	135,529

Species	Ohio—Continued							
	Bar nets		Trap nets		Fyke nets		Total	
	Pounds	Value	Pounds	Value	Pounds	Value	Pounds	Value
Blue pike.....			4,435,000	\$354,800	4,800	\$384	4,540,900	\$363,272
Burbot.....			337,900	3,379			338,100	3,381
Carp.....	74,100	\$1,482	200,000	4,000	63,300	1,266	2,016,400	40,324
Catfish and bullheads.....			275,400	19,278	35,600	2,492	482,600	33,782
Cisco.....			3,900	585			17,300	2,595
Goldfish.....	2,000	60	8,800	264	3,000	90	214,800	6,444
Mooneye.....			5,800	232	700	28	15,200	608
Sauger.....			321,600	28,944	9,200	828	578,500	52,065
Sheepshead.....	600	12	2,012,000	40,240	135,100	2,702	2,790,700	55,814
Sturgeon.....			2,400	720			5,900	1,770
Sucker, "mullet".....			599,000	11,980	40,900	818	671,700	13,434
White bass.....			261,500	15,690	61,400	3,684	389,000	23,340
Whitefish, common.....			353,100	63,558	1,600	288	643,500	115,830
Yellow perch.....			2,309,600	207,864	9,900	891	2,774,400	249,696
Yellow pike.....			3,315,600	364,716	108,000	11,880	3,516,900	386,859
Total.....	76,700	1,554	14,441,600	1,116,250	473,500	25,351	18,995,900	1,849,218

Lake fisheries of the United States, 1940—Continued

CATCH: BY GEAR—Continued

Species	Michigan							
	Haul seines		Gill nets		Lines			
	Pounds	Value \$6	Pounds	Value	Troll		Trot	
Pounds					Value	Pounds	Value	
Bowfin.....	300							
Burbot.....			5, 100	\$138			2, 100	\$54
Carp.....	792, 800	23, 640	46, 200	1, 372			600	18
Catfish and bullheads.....	46, 500	4, 741	500	50			24, 400	2, 485
Chubs.....			452, 700	71, 753				
Goldfish.....	800	21						
Lake herring.....	104, 800	2, 097	5, 058, 600	111, 173				
Lake trout.....			4, 409, 000	693, 477	14, 500	\$2, 178	1, 018, 100	156, 934
Pike or pickerel (jacks).....			500	50				
Rock bass.....	1, 900	140						
Sauger.....	200	22	900	90				
Sheepshead.....	26, 900	807					2, 800	84
Smelt.....			463, 300	13, 899				
Sucker, "mullet".....	126, 300	3, 789	268, 500	8, 055				
White bass.....	4, 400	352						
Whitefish:								
Common.....			661, 300	114, 916				
Menominee.....	200	16	66, 400	5, 312				
Yellow perch.....	9, 700	872	372, 400	30, 601	800	64	300	28
Yellow pike.....	64, 300	9, 645	60, 300	9, 045				
Total.....	1, 179, 100	46, 148	11, 865, 700	1, 059, 931	15, 300	2, 242	1, 048, 300	159, 603

Species	Michigan—Continued					
	Pound nets		Trap nets		Fyke nets	
	Pounds	Value	Pounds	Value	Pounds	Value
Bowfin.....			100	\$2	5, 800	\$116
Burbot.....	200	\$6	1, 000	27	900	19
Carp.....	64, 500	1, 315	169, 100	4, 891	249, 600	7, 483
Catfish and bullheads.....	3, 700	370	200, 400	20, 072	72, 500	7, 793
Chubs.....			100	16		
Goldfish.....			1, 000	30	400	12
Lake herring.....	2, 154, 100	64, 129	1, 446, 300	43, 389	800	24
Lake trout.....	57, 600	8, 920	24, 900	3, 804	500	75
Pike or pickerel (jacks).....	400	40	600	60	500	56
Rock bass.....	100	4	4, 900	284	11, 500	814
Sauger.....			4, 200	440	30, 100	3, 310
Sheepshead.....	11, 800	351	21, 400	552	87, 300	2, 607
Smelt.....	1, 926, 000	57, 780			29, 400	882
Sucker, "mullet".....	70, 500	2, 115	2, 055, 800	61, 674	188, 100	5, 643
White bass.....			200	14	12, 800	1, 024
Whitefish:						
Common.....	612, 100	105, 348	196, 600	33, 780	6, 300	1, 100
Menominee.....	1, 600	128	6, 800	544		
Yellow perch.....	17, 900	1, 559	422, 200	37, 706	70, 800	6, 320
Yellow pike.....	46, 800	7, 002	1, 464, 400	219, 588	267, 700	40, 080
Total.....	4, 967, 300	249, 067	6, 020, 000	426, 873	1, 035, 000	77, 358

Lake fisheries of the United States, 1940—Continued

CATCH: BY GEAR—Continued

Species	Michigan—Continued							
	Crowfoot bars		Picks		By hand		Total	
	Pounds	Value	Pounds	Value	Pounds	Value	Pounds	Value
Bowfin.....							6, 200	\$124
Burbot.....							9, 300	244
Carp.....							1, 322, 800	38, 719
Catfish and bullheads.....							348, 000	35, 511
Chubs.....							452, 800	71, 769
Goldfish.....							2, 200	63
Lake herring.....							8, 764, 600	220, 812
Lake trout.....							5, 524, 600	865, 388
Pike or pickerel (jacks).....							2, 000	208
Rock bass.....							18, 400	1, 242
Sauger.....							35, 400	3, 862
Sheepshead.....							150, 200	4, 401
Smelt.....							2, 418, 700	72, 561
Sucker, "mullet".....							2, 709, 200	81, 276
White bass.....							17, 400	1, 390
Whitefish:								
Common.....							1, 476, 300	255, 144
Menominee.....							75, 000	6, 000
Yellow perch.....							894, 100	77, 150
Yellow pike.....							1, 903, 500	285, 360
Mussel shells ¹	47, 200	\$575	48, 400	\$600	4, 500	\$56	100, 100	1, 231
Pearls and slugs ¹		10		9		10		29
Total.....	47, 200	585	48, 400	609	4, 500	66	26, 230, 800	2, 022, 482

Species	Indiana							
	Gill nets		Pound nets		Trap nets		Total	
	Pounds	Value	Pounds	Value	Pounds	Value	Pounds	Value
Burbot.....	4, 400	\$220					4, 400	\$220
Carp.....			3, 000	\$120	2, 000	\$80	5, 000	200
Chubs.....	67, 000	10, 720					67, 000	10, 720
Lake herring.....	44, 200	2, 210	30, 000	1, 500	2, 000	100	76, 200	3, 810
Lake trout.....	179, 300	32, 274					179, 300	32, 274
Sucker, "mullet".....	700	35	1, 500	75	4, 000	200	6, 200	310
Whitefish, common.....	300	54	3, 000	540	800	144	4, 100	738
Yellow perch.....	131, 300	11, 817	30, 000	2, 700	20, 000	1, 800	181, 300	16, 317
Total.....	427, 200	57, 330	67, 500	4, 935	28, 800	2, 324	523, 500	64, 589

Species	Illinois				Wisconsin			
	Gill nets		Haul seines		Gill nets		Trot lines	
	Pounds	Value	Pounds	Value	Pounds	Value	Pounds	Value
Burbot.....					21, 500	\$215		
Carp.....			1, 848, 200	\$36, 964	24, 800	495		
Catfish and bullheads.....			10, 000	1, 000				
Chubs.....	555, 600	\$88, 896			1, 252, 300	191, 775		
Lake herring.....	201, 400	12, 084			5, 451, 900	105, 342		
Lake trout.....	814, 400	162, 880			2, 044, 200	340, 534	726, 800	\$121, 498
Pike or pickerel (jacks).....					1, 200	70		
Sheepshead.....			800	40				
Smelt.....					1, 181, 000	35, 430		
Sucker, "mullet".....					558, 400	16, 725		
Whitefish:								
Common.....					90, 400	15, 527		
Menominee.....					17, 800	1, 059		
Yellow perch.....	372, 000	33, 480			590, 600	47, 250		
Yellow pike.....			500	75				
Total.....	1, 943, 400	297, 340	1, 859, 500	38, 079	11, 234, 100	754, 422	726, 800	121, 498

¹ From tributary streams.

Lake fisheries of the United States, 1940—Continued

CATCH: BY GEAR—Continued

Species	Wisconsin—Continued							
	Pound nets		Fyke nets		Crawfish pots		Crowfoot bars	
	Pounds	Value	Pounds	Value	Pounds	Value	Pounds	Value
Burbot.....	1, 200	\$12	2, 500	\$25				
Carp.....			4, 400	88				
Catfish and bullheads.....			114, 800	11, 483				
Lake herring.....	605, 000	15, 008						
Lake trout.....	234, 500	38, 637						
Pike or pickerel (jacks).....	2, 000	100	2, 900	145				
Sheepshead.....	2, 000	100	5, 000	250				
Smelt.....	609, 100	18, 272						
Sucker, "mullet".....	49, 500	1, 186	207, 400	6, 222				
Whitefish:								
Common.....	257, 800	44, 559						
Menominee.....	1, 800	108						
Yellow perch.....	24, 200	1, 926	1, 058, 500	84, 683				
Yellow pike.....	300	40	3, 000	450				
Crawfish.....					2, 700	\$203		
Mussel shells ¹							106, 200	\$938
Total.....	1, 787, 400	119, 948	1, 398, 500	103, 346	2, 700	203	106, 200	938

Species	Wisconsin—Continued				Minnesota	
	By hand		Total		Gill nets	
	Pounds	Value	Pounds	Value	Pounds	Value
Burbot.....			25, 200	\$252	35, 400	\$532
Carp.....			1, 877, 400	37, 547		
Catfish and bullheads.....			124, 800	12, 483	900	62
Chubs.....			1, 252, 300	191, 775	82, 800	11, 592
Lake herring.....			6, 056, 900	120, 350	7, 380, 900	129, 200
Lake trout.....			3, 005, 500	500, 669	236, 100	33, 052
Pike or pickerel (jacks).....			6, 100	315	102, 000	3, 024
Sauger.....					62, 100	3, 043
Sheepshead.....			7, 800	390		
Smelt.....			1, 790, 100	53, 702		
Sturgeon.....					100	32
Sucker, "mullet".....			815, 300	24, 133	59, 400	697
Tullibees.....					1, 105, 900	46, 546
Whitefish:						
Common.....			348, 200	60, 086	62, 600	6, 689
Menominee.....			19, 600	1, 167	6, 400	320
Yellow perch.....			1, 673, 300	133, 859	28, 400	1, 973
Yellow pike.....			3, 800	565	353, 600	30, 798
Crawfish.....			2, 700	203		
Mussel shells ¹	3, 200	\$41	109, 400	979		
Total.....	3, 200	41	17, 118, 400	1, 138, 475	9, 516, 600	267, 460

Species	Minnesota—Continued							
	Trot lines		Pound nets		Fyke nets		Total	
	Pounds	Value	Pounds	Value	Pounds	Value	Pounds	Value
Burbot.....			19, 400	\$290	10, 000	\$150	64, 800	\$972
Carp.....			3, 100	31	1, 200	12	4, 300	43
Catfish and bullheads.....			8, 000	589	12, 100	896	21, 000	1, 547
Chubs.....							82, 800	11, 592
Crappie.....			400	30			400	30
Lake herring.....							7, 380, 900	129, 200
Lake trout.....	85,000	\$11,800					321,100	44,852
Pike or pickerel (jacks).....			61, 500	1, 874	34, 400	1, 066	197, 900	5, 964
Sauger.....			11, 100	543	8, 900	434	82, 100	4, 020
Sturgeon.....			400	104	100	20	600	156
Sucker, "mullet".....			58, 200	592	24, 700	247	142, 300	1, 436
Tullibees.....			77, 700	3, 263	43, 000	1, 807	1, 226, 600	51, 616
Whitefish:								
Common.....			12, 300	1, 245	200	23	75, 100	7, 957
Menominee.....							6, 400	320
Yellow perch.....			8, 700	608	5, 600	394	42, 700	2, 975
Yellow pike.....			178, 100	15, 580	39, 000	3, 431	570, 700	49, 809
Total.....	85, 000	11, 800	438, 900	24, 749	179, 200	8, 480	10, 219, 700	312, 489

¹ From tributary streams.

Lake fisheries of the United States, 1940—Continued

CATCH: BY LAKES

Species	Lake Ontario		Lake Erie			
	New York		New York		Pennsylvania	
	<i>Pounds</i>	<i>Value</i>	<i>Pounds</i>	<i>Value</i>	<i>Pounds</i>	<i>Value</i>
Blue pike.....	122,600	\$11,034	97,400	\$7,792	312,500	\$21,875
Burbot.....	13,400	536	1,700	68	31,100	311
Carp.....	763,700	30,548	500	10	7,900	158
Catfish and bullheads.....	72,200	6,498	500	45	4,400	220
Cisco.....	94,700	10,417	11,300	1,243	33,500	4,523
Eels, common.....	32,100	1,284				
Lake trout.....	13,700	1,781	200	40		
Pike or pickerel (jacks).....	13,600	952				
Rock bass.....	1,500	60	100	5		
Sheepshead.....			1,000	30	46,100	922
Sturgeon.....	10,400	1,250	5,100	1,291	800	232
Sucker, "mullet".....	34,600	1,384	5,400	220	14,000	210
Sunfish.....	34,200	1,026				
White bass.....			5,900	236	57,200	2,575
Whitefish, common.....	111,100	16,665	433,100	64,965	1,527,100	213,794
Yellow perch.....	35,600	3,204	25,800	1,806	216,500	14,073
Yellow pike.....	5,600	840	23,000	3,450	43,600	4,578
Total.....	1,359,000	92,479	611,000	82,826	2,294,700	263,471

Species	Lake Erie—Continued					
	Ohio		Michigan		Total	
	<i>Pounds</i>	<i>Value</i>	<i>Pounds</i>	<i>Value</i>	<i>Pounds</i>	<i>Value</i>
Blue pike.....	4,540,900	\$363,272			4,950,800	\$392,939
Bowfin.....			3,000	\$60	3,000	60
Burbot.....	338,100	3,381	100	3	371,000	3,763
Carp.....	2,016,400	40,328	461,000	13,830	2,485,800	54,326
Catfish and bullheads.....	482,600	33,782	71,100	7,821	558,600	41,868
Cisco.....	17,300	2,595			62,100	8,361
Goldfish.....	214,800	6,444	1,900	57	216,700	6,501
Lake trout.....					200	40
Mooneye.....	15,200	608			15,200	608
Pike or pickerel (jacks).....			300	36	300	36
Rock bass.....			7,700	616	7,800	621
Sauger.....	578,500	52,065	32,200	3,542	610,700	55,607
Sheepshead.....	2,790,700	55,814	122,600	3,678	2,960,400	60,444
Sturgeon.....	5,900	1,770			11,800	4,918
Sucker, "mullet".....	671,700	13,434	22,700	681	713,800	14,545
White bass.....	389,000	23,340	17,300	1,384	469,400	27,535
Whitefish, common.....	643,500	115,830	2,100	428	2,605,800	305,017
Yellow perch.....	2,774,400	249,696	14,300	1,430	3,031,000	267,005
Yellow pike.....	3,516,900	386,859	286,100	42,915	3,869,600	437,802
Total.....	18,995,900	1,349,218	1,042,400	76,481	22,944,000	1,771,996

See footnotes at end of table.

Lake fisheries of the United States, 1940—Continued

CATCH: BY LAKES—Continued

Species	Lake Huron		Lake Michigan			
	Michigan		Michigan		Indiana	
	Pounds	Value	Pounds	Value	Pounds	Value
Bowfin	3, 100	\$62	100	\$2		
Burbot	300	6	6, 700	191	4, 400	\$220
Carp	765, 300	22, 959	96, 500	1, 930	5, 000	200
Catfish and bullheads	274, 500	27, 450	2, 400	240		
Chubs	148, 200	23, 712	236, 700	37, 872	67, 000	10, 720
Goldfish	300	6				
Lake herring	3, 302, 700	99, 081	1, 249, 300	37, 479	76, 200	3, 810
Lake trout	902, 300	144, 366	2, 779, 700	444, 632	179, 300	32, 274
Pike or pickerel (jacks)	300	30	1, 400	140		
Rock bass	9, 900	594	800	32		
Sauger	2, 500	250	600	60		
Sheepshead	12, 600	273	15, 000	450		
Smelt			2, 418, 700	72, 561		
Sucker, "mullet"	1, 343, 800	40, 314	1, 227, 300	36, 819	6, 200	310
White bass	100	6				
Whitefish:						
Common	188, 100	33, 858	754, 100	135, 738	4, 100	738
Menominee	41, 000	3, 520	23, 100	1, 848		
Yellow perch	527, 800	47, 502	349, 100	27, 928	181, 300	16, 317
Yellow pike	1, 572, 800	235, 920	39, 100	5, 865		
Mussel shells ²			100, 100	1, 231		
Pearls and slugs ²				29		
Total	9, 098, 600	679, 909	9, 300, 700	805, 047	523, 500	64, 589

Species	Lake Michigan—Continued					
	Illinois		Wisconsin		Total	
	Pounds	Value	Pounds	Value	Pounds	Value
Bowfin					100	\$2
Burbot			23, 500	\$235	34, 600	646
Carp			1, 877, 400	37, 547	1, 978, 900	39, 677
Catfish and bullheads			124, 800	12, 483	127, 200	12, 723
Chubs	555, 600	\$88, 896	788, 200	122, 165	1, 647, 500	259, 653
Lake herring	201, 400	12, 084	1, 148, 300	34, 450	2, 675, 200	87, 823
Lake trout	814, 400	162, 880	2, 492, 300	423, 685	6, 265, 700	1, 063, 471
Pike or pickerel (jacks)			5, 900	295	7, 300	435
Rock bass					800	32
Sauger					600	60
Sheepshead			7, 800	390	22, 800	840
Smelt			1, 790, 100	53, 702	4, 208, 800	126, 263
Sucker, "mullet"			783, 200	23, 493	2, 016, 700	60, 622
Whitefish:						
Common			196, 600	37, 352	954, 800	173, 828
Menominee			19, 000	1, 139	42, 100	2, 987
Yellow perch	372, 000	33, 480	1, 673, 100	133, 851	2, 575, 500	211, 576
Yellow pike			3, 800	565	42, 900	6, 430
Crawfish			2, 700	203	2, 700	203
Mussel shells ²			109, 400	979	209, 500	2, 210
Pearls and slugs ²						29
Total	1, 943, 400	297, 340	11, 046, 100	882, 534	22, 813, 700	2, 049, 510

Species	Lake Superior					
	Michigan		Wisconsin		Minnesota	
	Pounds	Value	Pounds	Value	Pounds	Value
Burbot	2, 200	\$44	1, 700	\$17		
Chubs	67, 900	10, 185	464, 100	69, 610	82, 800	\$11, 592
Lake herring	4, 212, 600	84, 252	4, 908, 600	85, 900	7, 380, 900	129, 200
Lake trout	1, 842, 600	276, 390	513, 200	76, 984	321, 100	44, 852
Pike or pickerel (jacks)			200	20	500	20
Sauger	100	10				
Sucker, "mullet"	115, 400	3, 462	32, 100	640	10, 700	107
Whitefish:						
Common	532, 000	85, 120	151, 600	22, 734	8, 600	1, 291
Menominee	7, 900	632	600	28	6, 400	320
Yellow perch	2, 900	290	200	8		
Yellow pike	5, 500	660				
Total	6, 789, 100	461, 045	6, 072, 300	255, 941	7, 811, 000	187, 382

See footnotes at end of table.

Lake fisheries of the United States, 1940—Continued

CATCH: BY LAKES—Continued

Species	Lake Superior— Continued		Lake of the Woods Rainy Lake and Namakan Lake		Total, all lakes	
	Total		Minnesota		Pounds	Value
	Pounds	Value	Pounds	Value		
Blue pike.....					5,073,400	\$403,973
Bowfin.....					6,200	124
Burbot.....	3,900	\$61	64,800	\$972	488,000	5,984
Carp.....			4,300	43	5,998,000	147,553
Catfish and bullheads.....			21,000	1,547	1,053,500	90,086
Chubs.....	614,800	91,387			2,410,500	374,752
Cisco.....					156,800	18,778
Crappie.....			400	30	400	30
Eels, common.....					32,100	1,284
Goldfish.....					217,000	6,507
Lake herring.....	16,502,100	299,352			22,480,000	486,256
Lake trout.....	2,676,900	398,226			9,858,800	1,607,884
Mooneye.....					15,200	608
Pike or pickerel (jacks).....	700	40	197,400	5,944	219,600	7,437
Rock bass.....					20,000	1,307
Sauger.....	100	10	82,100	4,020	696,000	59,947
Sheepshead.....					2,995,800	61,557
Smelt.....					4,208,800	126,263
Sturgeon.....			600	156	22,800	11,324
Sucker, "mullet".....	158,200	4,209	131,600	1,329	4,398,700	122,403
Sunfish.....					34,200	1,026
Tullibees.....			1,226,600	51,616	1,226,600	51,616
White bass.....					469,500	27,541
Whitefish:						
Common.....	692,200	109,145	66,500	6,666	4,618,500	735,179
Menominee.....	14,900	980			101,000	7,487
Yellow perch.....	3,100	298	42,700	2,975	6,215,700	532,560
Yellow pike.....	5,500	660	570,700	49,809	6,067,100	731,461
Crawfish.....					2,700	203
Mussel shells ¹					209,500	2,210
Pearls and slugs ²						29
Total.....	20,672,400	904,368	2,408,700	125,107	79,296,400	5,623,369

¹ Includes value of roe.² From tributary streams.

NOTE.—Statistics in the above table do not include the catch of smelt by dip nets since data on that fishery are not available.

Industries related to the fisheries of the Lake States, 1940

OPERATING UNITS, SALARIES, AND WAGES

Item	New York	Penn- sylvania	Ohio	Mich- igan	Indiana and Illinois	Wis- consin	Minne- sota	Total
Transporting:								
Persons engaged, on vessels.....	Number	Number	Number	Number	Number	Number	Number	Number
Vessels, motor.....			28	5				33
Net tonnage.....			9	2				11
Net tonnage.....			80	21				101
Wholesale and manufac- turing:								
Establishments.....	18	6	47	50	49	39	12	221
Persons engaged:								
Proprietors.....	19	5	34	36	16	32	9	151
Salaried employees.....	33	10	76	76	231	54	28	508
Wage earners:								
Average for sea- son.....	139	42	282	471	730	558	149	2,371
Average for year.....	87	24	185	200	547	195	58	1,296
Paid to salaried em- ployees.....	\$55,314	\$17,650	\$168,330	\$150,743	\$526,982	\$110,596	\$45,404	\$1,075,019
Paid to wage earners.....	\$113,320	\$40,677	\$288,787	\$248,146	\$782,461	\$218,359	\$75,911	\$1,767,661
Total salaries and wages.....	\$168,634	\$58,327	\$457,117	\$398,889	\$1,309,443	\$328,955	\$121,315	\$2,842,680
Fishermen manufacturing.....			14	23	16	25	111	189

Industries related to the fisheries of the Lake States, 1940—Continued

PRODUCTS MANUFACTURED

Item	New York		Pennsylvania		Ohio		Illinois ¹	
	Quantity (²)	Value (²)	Quantity (²)	Value (²)	Quantity (²)	Value (²)	Quantity 3, 012, 349	Value \$301, 750
By manufacturing establishments:								
Alewives, spiced.....pounds..								
Blue pike:								
Fresh fillets.....do.....	415, 632	\$102, 881	96, 067	\$17, 582	712, 505	\$173, 809	213, 144	50, 975
Frozen fillets.....do.....	(²)	(²)	(²)	(²)	126, 361	31, 594	27, 920	6, 192
Chubs, cisco, and tullibees, smoked.....pounds.....	(²)	(²)			(²)	(²)	1, 789, 647	552, 796
Eels, smoked.....do.....	19, 500	4, 890					30, 455	7, 626
Herring, lake:								
Fresh fillets.....do.....	(²)	(²)			(²)	(²)	17, 711	2, 490
Smoked.....do.....	(²)	(²)					246, 515	33, 700
Herring, sea, spiced.....do.....	(²)	(²)					962, 229	111, 397
Lake trout:								
Fresh fillets.....do.....	8, 507	2, 312	(²)	(²)	34, 688	10, 105	6, 082	1, 373
Frozen fillets.....do.....	(²)	(²)			2, 000	590	(²)	(²)
Smoked.....do.....							1, 194, 755	61, 458
Sablefish, smoked.....do.....					(²)	(²)	32, 495	9, 054
Salmon:								
Kippered.....do.....	(²)	(²)					195, 515	66, 740
Smoked.....do.....	(²)	(²)			(²)	(²)	607, 886	252, 669
Sauger:								
Fresh fillets.....do.....	232, 322	58, 411	16, 891	3, 308	266, 432	65, 279	818, 730	205, 906
Frozen fillets.....do.....	131, 175	30, 469	15, 786	3, 061	185, 659	39, 942	643, 537	147, 100
White bass, fresh fillets.....do.....	(²)	(²)	5, 352	803	9, 812	1, 953	(²)	(²)
Whitefish:								
Fresh fillets.....do.....	14, 107	3, 912	4, 140	1, 402	62, 362	20, 576	12, 514	3, 086
Frozen fillets.....do.....	(²)	(²)			4, 444	1, 313	1, 240	334
Smoked.....do.....	34, 578	9, 758			(²)	(²)	1, 17, 091	4, 784
Yellow perch:								
Fresh fillets.....do.....	51, 441	11, 755	18, 286	3, 379	258, 817	60, 243	141, 291	38, 735
Frozen fillets.....do.....	(²)	(²)	(²)	(²)	28, 408	6, 781	16, 140	4, 403
Yellow pike:								
Fresh fillets.....do.....	99, 757	28, 623	(²)	(²)	73, 197	20, 954	127, 185	32, 275
Frozen fillets.....do.....	(²)	(²)	(²)	(²)	(²)	(²)	43, 104	10, 381
Unclassified products:								
Fillets, fresh and frozen.....pounds.....	³ 69, 071	³ 14, 954	⁴ 8, 400	⁴ 1, 816	⁵ 35, 631	⁶ 8, 645	⁶ 27, 990	⁶ 5, 202
Miscellaneous.....	¹⁰ 786, 200	¹⁰ 109, 760				¹¹ 61, 654		¹² 263, 750
Total.....	1, 862, 290	377, 725	164, 922	31, 351		503, 438		2, 174, 176
By fishermen:								
Blue pike, fresh fillets pounds.....					9, 000	2, 250		
Catfish and bullheads, smoked.....pounds.....					7, 800	1, 560		
Carp, smoked.....do.....					3, 000	300		
Chubs, cisco, and tullibees, smoked.....pounds.....							70, 000	21, 000
Lake trout, smoked.....do.....							70, 000	21, 000
Sheepshead, smoked.....do.....					15, 600	2, 340		
Whitefish, common, smoked.....pounds.....					14, 400	4, 320		
Yellow perch, fresh fillets pounds.....					9, 000	2, 250		
Yellow pike, fresh fillets pounds.....					21, 000	5, 250		
Total.....					79, 800	18, 270	140, 000	42, 000
Grand total.....	1, 862, 290	377, 725	164, 922	31, 351		521, 708		2, 216, 176

Item	Michigan		Wisconsin		Minnesota	
	Quantity (²)	Value (²)	Quantity (²)	Value (²)	Quantity (²)	Value (²)
By manufacturing establishments:						
Alewives, spiced.....pounds..	(²)	(²)	241, 150	\$23, 160	(²)	(²)
Blue pike, fresh fillets.....do...	(²)	(²)	(²)	(²)		
Chub, cisco, and tullibee, smoked.....pounds.....	225, 000	\$74, 330	273, 307	80, 580	99, 718	\$22, 373
Herring, lake:						
Fresh fillets.....do.....	(²)	(²)	(²)	(²)		
Salted.....do.....	1, 624, 574	47, 788	1, 264, 000	42, 800	(²)	(²)
Smoked.....do.....	130, 542	19, 840	597, 400	66, 170	81, 740	8, 552
Herring, sea, spiced.....do.....	(²)	(²)	271, 750	21, 740	(²)	(²)
Lake trout:						
Fresh fillets.....do.....			35, 604	10, 913		
Smoked.....do.....	143, 000	43, 440	291, 096	81, 262	12, 920	3, 632

See footnotes at end of table.

Industries related to the fisheries of the Lake States, 1940—Continued

PRODUCTS MANUFACTURED—Continued

Item	Michigan		Wisconsin		Minnesota	
	Quantity	Value	Quantity	Value	Quantity	Value
By manufacturing establishments—Continued.						
Sablefish, smoked pounds	222,000	\$51,710	106,500	\$24,900		
Salmon:						
Kippered.....do	245,000	61,450	86,406	19,407	(²)	(²)
Smoked.....do	97,000	32,400	(²)	(²)	(²)	(²)
Sauger:						
Fresh fillets.....do	(²)	(²)	37,400	8,802		
Frozen fillets.....do			333,924	73,307		
Whitefish:						
Fresh fillets.....do			(²)	(²)		
Smoked.....do	109,500	30,670	19,000	4,750	(²)	(²)
Yellow perch:						
Fresh fillets.....do	34,500	9,865	333,900	75,376		
Frozen fillets.....do	(²)	(²)	(²)	(²)		
Yellow pike:						
Fresh fillets.....do	(²)	(²)	126,620	29,495	(²)	(²)
Frozen fillets.....do			(²)	(²)		
Unclassified products:						
Fillets, fresh and frozen.....pounds	⁷ 274,800	⁷ 48,230	⁸ 48,519	⁸ 12,788	(⁹)	(⁹)
Miscellaneous.....	¹³ 72,200	¹³ 16,950		¹⁴ 51,501		¹⁵ \$58,430
Total.....	3,178,116	436,673		626,951		92,987
By fishermen:						
Chubs, cisco, and tullibees, smoked.....pounds			33,000	9,900		
Herring, lake:						
Salted.....do	120,000	3,500	48,000	1,400	1,870,000	59,500
Smoked.....do	4,000	800				
Lake trout:						
Salted.....do	27,000	2,100				
Smoked.....do	10,000	3,500	15,400	4,620		
Sturgeon roe, salted do					28	28
Suckers, smoked do	2,000	150				
Whitefish:						
Common, smoked.....pounds	4,000	1,400				
Menominee, smoked.....pounds	6,000	1,500				
Yellow perch, smoked.....pounds	600	150				
Yellow pike, smoked.....pounds	600	150				
Total.....	174,200	13,250	96,400	15,920	1,870,028	59,528
Grand total.....	3,352,316	449,923		642,871		152,515

¹ A small amount of smoked chubs, lake trout, and whitefish produced in Indiana has been included with the production for Illinois.

² This item has been included under "Unclassified products."

³ Includes fresh fillets of flounder, lake herring, and white bass; and frozen fillets of blue pike, lake trout, whitefish, yellow perch, and yellow pike.

⁴ Includes fresh fillets of lake trout and yellow pike; and frozen fillets of blue pike, yellow perch, and yellow pike.

⁵ Includes fresh fillets of carp, flounder, lake herring, mackerel, and suckers; and frozen fillets of mackerel and yellow pike.

⁶ Includes fresh fillets of cod, flounder, haddock, king whiting or "kingfish," pike or "pickerel," scup, squeteague or "sea trout," suckers, and white bass; and frozen fillets of king whiting or "kingfish," lake herring, lake trout, pike or "pickerel," scup, and wolfish.

⁷ Includes fresh fillets of blue pike, lake herring, sauger, sheepshead, and yellow pike; and frozen fillets of lake herring and yellow perch.

⁸ Includes fresh fillets of blue pike, lake herring, and whitefish; and frozen fillets of lake herring, yellow perch, and yellow pike.

⁹ This item has been included under "Miscellaneous."

¹⁰ Includes smoked chubs, cisco, lake herring, sea herring, salmon, sturgeon, and tullibees; kippered salmon; and spiced alewives and sea herring.

¹¹ Includes smoked carp, chubs, cisco, mooneye, sablefish, salmon, sheepshead, tullibees, and whitefish; canned gefilte fish; and spiced alewives.

¹² Includes smoked buffalo fish, butterfish, carp, sea herring, shad and sturgeon; and canned hard clam chowder.

¹³ Includes smoked butterfish, carp, mackerel, and menominee whitefish; and spiced alewives and sea herring.

¹⁴ Includes smoked carp and salmon; canned whitefish caviar; burbot liver oil; and mussel-shell poultry feed and lime.

¹⁵ Includes fresh fillets of tullibee and yellow pike; smoked salmon and whitefish; kippered salmon; spiced alewives and sea herring; salted lake herring; and burbot-liver oil.

NOTE.—The total value of the manufactured products for the Lake States was as follows: By manufacturing establishments, \$4,243,301; and by fishermen, \$148,968. Some of the above products may have been manufactured from products imported from another State or a foreign country; therefore, they cannot be correlated directly with the catch within the State. All of the persons engaged in the preparation of fishermen's prepared products, and all of the persons shown on transporting craft, have been included as fishermen. This should be considered when computing the total number of persons in fishery industries exclusive of duplication.

FISHERIES OF THE MISSISSIPPI RIVER AND TRIBUTARIES

The most recent complete catch statistics of the fisheries for the States of the Mississippi River and tributaries are those collected for the year 1931. The yield of fishery products in that year amounted to 82,382,523 pounds, valued at \$2,897,357, which is a decrease of 22 percent in quantity and 36 percent in volume as compared with the quantity and value of the catch in 1922, when the most recent preceding survey was made. Detailed statistics of the fisheries of the Mississippi River and tributaries for 1931 appear in "Fishery Industries of the United States, 1932," by R. H. Fiedler, Appendix III to the Report of the Commissioner of Fisheries for the fiscal year 1933.

A summary of these fisheries in 1931 was published in the Bureau of Fisheries annual reports entitled "Fishery Industries of the United States" by R. H. Fiedler, for the years 1933 to 1938 inclusive. Information regarding the production of cured fishery products in the Mississippi River area in 1931 and of mussel-shell products for 1940 appear in the following table.

Industries related to the fisheries of the Mississippi River and tributaries

PRODUCTS MANUFACTURED

Item	Indiana		Illinois, Iowa, and Missouri		Louisiana	
	Quantity	Value	Quantity	Value	Quantity	Value
By manufacturing establishments:						
Salmon, smoked pounds			240,000	\$48,800		
Sturgeon, smoked do			162,000	39,140		
Mussel-shell products: ²						
Buttons gross			7,090,369	1,971,360		
Poultry feed tons			4,249	29,850		
Unclassified ³ do				23,502		
Unclassified, smoked pounds			483,000	414,440		
Total				2,127,092		
By fishermen:						
Alligator hides pounds					88,356	\$7,363
Carp, smoked do			667	67		
Paddlefish roe, salted pounds	450	\$180	900	540		
Sheepshead, smoked pounds			617	77		
Sturgeon:						
Smoked do			1,333	400		
Roe, salted do			35	32		
Total	450	180	3,552	1,116	88,356	7,363
Grand total	450	180		2,128,208	88,356	7,363

See footnotes at end of table.

Industries related to the fisheries of the Mississippi River and tributaries—Continued

PRODUCTS MANUFACTURED—Continued

Item	Minnesota and Nebraska		Mississippi		Ohio, Tennessee, and Pennsylvania	
	Quantity	Value	Quantity	Value	Quantity	Value
By manufacturing establishments:						
Chubs, smoked . . . pounds					106,600	\$26,650
Salmon, smoked . . . do	(1)	(1)			(1)	(1)
Sturgeon, smoked . . . do	(1)	(1)				
Whitefish, smoked . . . do	255,000	\$47,200			(1)	(1)
Unclassified, smoked . . . pounds	⁵ 66,600	⁵ 19,793			⁶ 184,900	⁶ 50,555
Total	321,600	66,993			291,500	77,205
By fishermen:						
Paddlefish roe, salted . . . pounds			245	\$92		
Total			245	92		
Grand total	321,600	66,993	245	92	291,500	77,205

¹ The production of this item has been included under "Unclassified products."

² Data are for 1940.

³ Includes mussel-shell lime, chips, and novelties.

⁴ Includes smoked buffalofish and tullibees.

⁵ Includes smoked eels, salmon, and sturgeon.

⁶ Includes smoked buffalofish, butterfish, carp, lake trout, paddlefish, sablefish, tullibees, and whitefish.

NOTE.—Unless otherwise indicated, all data are for 1931. The total value of the manufactured products for the States of the Mississippi River and tributaries was as follows: By manufacturing establishments \$2,271,290 and by fishermen \$8,751. Some of the products may have been manufactured from fishery products imported from another State or a foreign country, therefore, they cannot be correlated directly with the catch within the State.

 FISHERIES OF ALASKA ¹⁰

The commercial catch of fishery products in Alaska during 1940 amounted to 563,687,959 pounds, valued at \$10,612,156, which is a decrease of 15 percent in quantity and 6 percent in value as compared with the catch in 1939. Of the total catch in 1940, 439,181,546 pounds, valued at \$8,419,544, consisted of salmon; 121,959,285 pounds, valued at \$2,038,190, consisted of other fish; and 2,547,128 pounds, valued at \$154,422, consisted of shellfish. These fisheries gave employment to 10,093 fishermen, 1,651 persons on transporting craft, and 13,455 persons in fishery wholesale and manufacturing industries—a total of 25,199 persons, which is a decrease of 18 percent as compared with the number employed in 1939.

WHALING

In the 1940-41 whaling season only one United States firm, the San Francisco Sea Products Co., which operated a shore station at Fields Landing, Calif., engaged in the whale fishery. During the period from June 12 to September 27, a total of 29 whales were taken by this firm's killer boat, the S. S. *Gleaner*. The catch consisted of 6 finback, 19 humpback, and 4 sperm whales. In 1939, when this company operated a station at McNear's Point, Calif., 59 humpback and 2 finback whales were taken by the 2 killer boats operated that year.

In connection with whaling operations, the San Francisco Sea Products Co. employed a total of 37 men during 1940; 11 on the killer boat and 26 at the shore station.

¹⁰ Statistics for the fisheries of Alaska are collected and compiled by the Alaska Division of the Fish and Wildlife Service. For detailed figures on the fisheries of Alaska the reader is referred to Statistical Digest 2, "Alaska Fishery and Fur Seal Industries: 1940," by Ward T. Bower.

Whale products manufactured by this firm during 1940 consisted of 9,435 gallons of sperm oil, valued at \$3,739; 50,662 gallons of whale oil, valued at \$18,117; 293,600 pounds of meat, valued at \$6,481; and 41,500 pounds of other products, valued at \$1,074. The latter item consisted of 10,000 pounds of meat meal, 13,500 pounds of liver, and 18,000 pounds of scrap.

In the previous season, when whaling operations were conducted by United States firms from a shore station in Alaska, a factory ship in the Antarctic, and the McNear's Point shore station in California, a total of 1,221 whales were captured. These consisted of 171 whales taken off Alaska, 61 off California, and 989 in the Antarctic. The products manufactured from these whales were valued at \$1,104,254.

STATISTICAL SURVEY PROCEDURE

It was customary to include in the annual report of the Division of Fishery Industries, Bureau of Fisheries, information in considerable detail on the procedure used in the collection of fishery statistics. Owing to the necessity for curtailing the cost of these publications since 1938, it has been necessary to eliminate most of this information. Consequently, for information on procedure, the reader is referred to Administrative Report No. 37, entitled "Fishery Industries of the United States, 1938," by R. H. Fiedler, published as Appendix III to the report of the Commissioner of Fisheries for the fiscal year 1939. It is deemed necessary, however, to include in this report the conversion factors used for computing the yield of certain commodities. These appear in the following tables.

Measures and yields of oysters

State	Capacity of State bushel	Variation from U. S. standard bushel		Market oysters	
				Yield per State bushel	Yield per standard bushel
	<i>Cubic Inches</i>	<i>Cubic Inches</i>	<i>Percent</i>	<i>Pounds of meats</i>	<i>Pounds of meats</i>
Massachusetts.....	2,150.4	-----	-----	6.50	6.50
Rhode Island.....	2,150.4	-----	-----	7.00	7.00
Connecticut.....	2,150.4	-----	-----	7.70	7.70
New York.....	2,150.4	-----	-----	7.50	7.50
New Jersey.....	2,257.3	+106.9	+5.0	6.98	6.65
Delaware.....	2,257.3	+106.9	+5.0	7.01	6.68
Maryland.....	2,801.5	+651.1	+30.3	6.03	4.63
Virginia.....	3,003.4	+853.0	+39.7	6.15	4.40
North Carolina.....	2,801.9	+651.5	+30.3	4.41	3.38
South Carolina.....	4,071.5	+1,921.1	+89.3	5.79	3.06
Georgia.....	5,343.9	+3,193.5	+148.5	7.48	3.01
Florida.....	3,214.1	+1,063.7	+49.4	4.41	2.95
Alabama.....	2,826.2	+675.8	+31.4	5.45	4.14
Mississippi.....	2,826.2	+675.8	+31.4	4.97	3.78
Louisiana.....	2,148.4	-2.0	-0.1	4.75	4.75
Texas.....	2,700.0	+549.6	+25.6	4.50	3.58

Average yields of certain mollusks (other than oysters) in pounds of meats per standard bushel, 1940

State	Clams, hard	Clams, soft	Clams, surf	Clams, razor	Mussels, sea	Periwinkles and cockles	Scallops, bay	Scallops, sea	Conchs
Maine.....	11.00	15.00	-----	-----	-----	18.00	-----	6.00	18.00
New Hampshire.....	-----	15.00	-----	-----	-----	-----	-----	-----	-----
Massachusetts.....	11.23	14.32	-----	31.89	12.00	18.00	6.00	6.00	16.71
Rhode Island.....	12.43	20.00	-----	-----	13.00	18.00	6.00	6.00	20.00
Connecticut.....	12.00	20.00	-----	-----	13.00	20.00	6.2	-----	-----
New York.....	8.00	16.00	12.00	30.00	10.00	-----	5.00	6.00	20.00
New Jersey.....	8.70	19.05	12.54	-----	-----	-----	-----	5.71	18.70
Delaware.....	8.18	-----	-----	-----	12.38	-----	-----	-----	-----
Maryland.....	6.14	-----	-----	-----	-----	-----	-----	-----	12.00
Virginia.....	5.73	-----	-----	-----	7.16	-----	-----	-----	12.00
North Carolina.....	6.14	-----	-----	-----	-----	-----	5.94	-----	-----
South Carolina.....	4.23	-----	-----	-----	-----	-----	-----	-----	-----
Florida.....	5.35	-----	-----	-----	-----	-----	3.3	-----	13.39

Other conversion factors.—The principal other conversion factors used in this publication are as follows:

Crabs, soft and peelers:

To convert number of crabs to weight in pounds in Rhode Island, New York, New Jersey, Delaware, Maryland, Virginia, South Carolina, and Florida, divide by 4; in North Carolina, divide by 5; in Mississippi, divide by 3; and in Louisiana, divide by 2.89.

Crabs, hard:

In Maine, Rhode Island, New York, New Jersey, Delaware, Maryland, and Virginia, divide by 3; in Massachusetts, divide by 4; in North Carolina, South Carolina, and Georgia, divide by 2; in Connecticut, divide by 2.79; in Florida, divide by 2.01; in Alabama, divide by 2.4; in Mississippi, divide by 2.09; in Louisiana, divide by 2.07; and in Texas, divide by 2.11.

Crabs, rock:

In all States, divide by 2.79.

Crabs, stone:

In all States, divide by 1.04.

Crabs, king:

In all States, multiply by 4.

Sponges, dried:

In Florida, convert number of bunches to weight in pounds as follows: Large wool, multiply by 8; medium and small wool, multiply by 4.13; and grass, wire, and yellow, multiply by 2.

COMMON AND SCIENTIFIC NAMES OF FISHERY PRODUCTS

In order to prevent misunderstanding in the use of common names employed in the tables and discussions, the following list of common and scientific names is given:

Common and scientific names of the commercial fishery products caught in the United States and Alaska

Common name as shown in Service reports	Other common names	Scientific names
Alewife.....	{ Branch herring, wall-eyed or big-eyed herring. Blueback, glut herring.....	<i>Pomolobus pseudoharengus.</i>
Amberjack.....		<i>Pomolobus xestivalis.</i> <i>Seriola</i> species.
Anchovy.....		{ <i>Engraulis mordax.</i> <i>Anchoiella delicatissima.</i> <i>Anchoiella compressa.</i> <i>Pomacanthus arcuatus.</i> <i>Holacanthus isabelita.</i>
Angelfish.....		<i>Sphyaena argentea.</i>
Barracuda.....		<i>Micropterus dolomieu.</i>
Black bass.....	{ Smallmouth bass Largemouth bass	<i>Micropterus salmoides.</i>
Bluefish.....	Tailor, skipjack	<i>Pomatomus saltatrix.</i>
Blue pike.....	Pike perch, blue pickerel (Canada)	<i>Stizostedion vitreum glaucum.</i>
Blue runner or hardtail.....	Runner	<i>Caranx crysos.</i>
Bonito.....		{ <i>Sarda sarda.</i> <i>Sarda chiliensis.</i>
Bowfin.....	Fresh-water dogfish.....	<i>Amia calva.</i>
Buffalofish.....		<i>Ictiobus</i> species.
Burbot.....	Lawyer, ling.....	<i>Lota maculosa.</i>
Butterfish.....		<i>Poronotus triacanthus.</i>
Cabio.....	Coalfish, crab eater, cobia	<i>Rachycentron canadus.</i>
Cabrilla.....	Rock bass	<i>Epinephelus analogus</i> (Pacific coast).
Carp.....	German carp.....	<i>Cyprinus carpio.</i>
Catfish and bullheads.....		{ <i>Ameiurus</i> species. <i>Ictalurus</i> species. <i>Leptops olivaris.</i>
Cero.....	Painted mackerel, kingfish	<i>Scomberomorus regalis.</i>
Chub.....	Tullibee in Canada; longjaw, bluefin, blackfin in United States.	All <i>Leucichthys</i> except <i>artedi</i> (in Great Lakes).
Cigarfish.....	Scad	<i>Decapterus punctatus.</i>
Cisco.....	Herring in Canada	<i>Leucichthys artedi</i> (Lake Erie only).
Cod.....	Codfish.....	{ <i>Gadus macrocephalus</i> (Pacific coast). <i>Gadus callarias</i> (Atlantic coast).
Crappie.....	{ White crappie..... Black crappie, strawberry bass, calico bass.	<i>Pomoxis annularis.</i> <i>Pomoxis sparoides.</i>
Crevalle.....	Jack	<i>Caranx hippos.</i>
Croaker.....	Crocus, hardhead	<i>Micropogon undulatus.</i>
Cunner.....	Chogset, blue perch, bergall	<i>Tautoglabrus adspersus.</i>
Cusk.....		<i>Brosme brosme.</i>
Dolly Varden trout.....	Salmon trout, bull trout.....	<i>Salvelinus malma.</i>
Dolphin.....		<i>Coryphaena hippurus.</i>
Drum:		
Black.....	Oyster cracker	<i>Pogonias cromis.</i>
Red.....	Channel bass, redfish, spotted bass.....	<i>Sciaenops ocellatus.</i>
Eel:		
Common.....		<i>Anguilla rostrata.</i>
Conger.....		<i>Leptocephalus conger.</i>
Flounder:		
Gray sole.....		<i>Glyptocephalus cynoglossus.</i>
Lemon sole.....		<i>Pseudopleuronectes dignabilis.</i>
Yellowtail and dab.....		{ <i>Limanda ferruginea.</i> <i>Hippoglossoides platessoides.</i> <i>Pseudopleuronectes americanus.</i>
Blackback.....		<i>Paralichthys dentatus.</i>
Fluke.....		<i>Pleuronectidae</i> species (Pacific coast).
" Sole".....		<i>Paralichthys californicus.</i>
"California halibut".....		<i>Pleuronectidae</i> species.
Unclassified.....		<i>Cypsilurus californicus.</i>
Flyingfish.....		<i>Auris thazard.</i>
Frigate mackerel.....	"Boo Hoo"	<i>Tylosurus</i> species.
Garfish.....		<i>Dorosoma cepedianum.</i>
Gizzard shad.....	Nanny shad, mud shad	<i>Carassius auratus.</i>
Goldfish.....	Sand perch.....	<i>Lophius piscatorius.</i>
Goosefish.....	Allmouth, anglerfish	<i>Squatius sucktii</i> (Pacific coast).
Grayfish.....	{ Dogfish Spiny dog Smooth dog	<i>Squatius acanthias.</i> <i>Mustelus mustelus.</i>
Greuper.....	"Sea bass"	{ <i>Epinephelus</i> species. <i>Myceteroperca</i> species.
Grunt.....	Margatefish, sailors choice (Key West)	<i>Haemulon</i> species.
Haddock.....		<i>Melanogrammus aeglefinus.</i>

Common and scientific names of the commercial fishery products caught in the United States and Alaska—Continued

Common name as shown in Service reports	Other common names	Scientific names
Hake	{ Squirrel hake, Boston hake, ling, black hake, mud hake. Merluccio	<i>Urophycis</i> species (Atlantic coast). <i>Merluccius productus</i> (Pacific coast). <i>Hippoglossus hippoglossus</i> . <i>Orthodon microlepidotus</i> (Pacific coast). <i>Peprilus alepidotus</i> .
Halibut		
Hardhead		
Harvestfish	Starfish, dollarfish, pappyfish, butterfish (N. C.).	
Herring:		
Lake	Herring	<i>Leucichthys artedi</i> (Great Lakes, except Erie). <i>Etrumeus sadina</i> . <i>Clupea harengus</i> (Atlantic coast). <i>Clupea pallasii</i> (Pacific coast). <i>Argentina silus</i> . <i>Pomolobus medioeris</i> . <i>Achirus fasciatus</i> . <i>Lachnolaimus marimus</i> (Florida). <i>Trachurus symmetricus</i> .
Round		
Sea		
Herring smelt	Sea smelt	
Hickory shad	Tailor shad, skip	
Hogchoker		
Hogfish	Capitaine, perro perro	
Horse mackerel	{ Pacific. Atlantic—(See tuna.)	<i>Promicrops itaiara</i> . <i>Zenopsis ocellata</i> . <i>Scomberomorus cavalla</i> (Atlantic coast). <i>Scomberomorus regalis</i> (Atlantic coast). <i>Genyonemus lineatus</i> (California). <i>Menticirrhus</i> species. <i>Cristivomer namaycush</i> . <i>Petromyzon marinus</i> . <i>Ammodytes americanus</i> . <i>Ophiodon elongatus</i> . <i>Scomber scomorus</i> (Atlantic coast). <i>Scomber diego</i> (Pacific coast). <i>Brevoortia tyrannus</i> . Cyprinidae species. Gerridae species. <i>Hiodon</i> species. <i>Vomer setipinnis</i> . <i>Selene vomer</i> . <i>Mugil</i> species. <i>Fundulus</i> species. <i>Lutjanus analis</i> . <i>Polyodon spathula</i> .
Jewfish		
John Dory		
Kingfish	{ King mackerel, cero Little roncador, croaker	
King whiting	Northern whiting, kingfish, sea mink	
Lake trout		
Lamprey		
Launce	Sand eel, lant, sand launce	
"Lingcod"	Cultus cod, blue cod, buffalo cod, ling	
Mackerel		
Menhaden	Mossbunker, poggy, fatback	
Minnow		
Mojarra	Sand perch	
Mooneye	Toothed herring	
Moonfish		
Mullet	Jumping mullet	
Mummichog	Mayfish, killifish	
Muttonfish	Mutton snapper	
Paddlefish	Spoonbill cat	
Perch (California)	See surfishes.	
Permit	See pompano.	
Pigfish	Hogfish (N. C.)	
Pike or pickerel	Great Lakes pike	<i>Orthopristis chrysopterus</i> . <i>Esox reticulatus</i> . <i>Esox lucius</i> . <i>Sardina caerulea</i> . <i>Lagodon rhomboides</i> . <i>Pollachius virens</i> . <i>Trachinotus goodii</i> . <i>Trachinotus</i> species (Atlantic coast). <i>Palometa similima</i> (Pacific coast). <i>Calamus</i> species. <i>Carpiodes</i> species. <i>Hydrolagus collieti</i> . <i>Notemigonus crysoleucas</i> . <i>Ambloplites rupestris</i> (Mississippi River to Atlantic seaboard). <i>Paralabrax nebulifer</i> (Pacific Coast). <i>Sebastes</i> species (Pacific coast). <i>Sebastes marinus</i> . <i>Girella nigricans</i> (Pacific coast). <i>Medialuna californiensis</i> (Pacific coast). <i>Anoplopoma fimbria</i> .
Pilchard	Sardine	
Pinfish	Bream, salt-water bream	
Pollock		
Pompano	{ Permit, great pompano Porgee	
Porgy	Spearfish or skimpfish	
Quillback		
Ratfish		
Roach	Golden Shiner	
Rock bass	Redeye, goggle-eye	
Rockfish	{ Groupers Rock cod	
Rosefish		
Rudderfish	(Blue bass, greenfish	
Sablefish	Halfmoon	
Salmon:	Black cod	
Atlantic		<i>Salmo salar</i> (Atlantic coast).
Pacific:		
Blueback, red, or sockeye.		<i>Oncorhynchus nerka</i> .
Chinook or king	Tyee, spring	<i>Oncorhynchus tshawytscha</i> .
Chum or keta	Dog salmon	<i>Oncorhynchus keta</i> . <i>Oncorhynchus gorbuscha</i> .
Humpback or pink.		
Silver or coho		<i>Oncorhynchus kisutch</i> .
Steelhead	(See steelhead trout.)	
Sand perch		<i>Bairdiella chrysura</i> . <i>Stizostedion canadense</i> . Cottidae species. <i>Stenotomus</i> species.
Sauger	Sand pike	
Sculpin		
Scup	Paugy or porgy, fair maid	