Fisheries of the United States

2018

Current Fishery Statistics No. 2018

National Marine Fisheries Service
Office of Science and Technology

Fisheries Statistics Division
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Silver Spring, MD
February 2020

U.S. Department of Commerce	National Oceanic and Atmospheric Administration	National Marine Fisheries Service
Wilbur Ross	Dr. Neil Jacobs	Chris Oliver
Secretary of Commerce	Acting Under Secretary of Commerce for Oceans and Atmosphere	Assistant Administrator for Fisheries

NOAA Fisheries Publications

Each year NOAA Fisheries produces three annual reports covering different aspects of the status of United States marine fisheries.

Status of Stocks is an annual report to Congress on the status of U.S. fisheries and is required by the Magnuson-Stevens Fishery Conservation and Management Act. This report, which is published each spring, summarizes the number of stocks on the overfished, overfishing, and rebuilt lists for U.S. federally managed fish stocks and stock complexes. The report also shows trends over time, discusses the value and contributions of our partners, and highlights how management actions taken by NOAA Fisheries have improved the status of U.S. federally managed stocks. For example, the 2017 report shows the number of stocks listed as subject to overfishing or overfished reached an all-time low. https://www.fisheries.noaa.gov/national/2018-report-congress-status-us-fisheries

Fisheries of the United States, published each fall, has been produced in its various forms for more than 100 years. It is the NOAA Fisheries yearbook of fishery statistics for the United States. It provides a snapshot of data, primarily at the national level, on U.S. recreational catch and commercial fisheries landings and value. In addition, data are reported on U.S. aquaculture production, the U.S. seafood processing industry, imports and exports of fishery-related products, and domestic supply and per capita consumption of fishery products. The focus is not on economic analysis, although value of landings, processed products, and foreign trade are included. https://www.fisheries.noaa.gov/national/fisheries-united-states-2018

Fisheries Economics of the United States, published each fall, provides a detailed look at the economic performance of commercial and recreational fisheries and other marine-related sectors on a state, regional, and national basis. The economic impact of commercial and recreational fishing activities in the U.S. is also reported in terms of employment, sales, and value-added impacts. The report provides management highlights for each region that include a summary of stock status, updates on catch share programs, and other selected management issues. Economic performance indicators for catch share programs and non-catch share fisheries are reported. https://www.fisheries.noaa.gov/content/fisheries-economics-united-states-2016

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Or online at: https://www.fisheries.noaa.gov/national/commercial-fishing/fisheries-united-states-2018

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FISHERIES OF THE UNITED STATES, 2018

This publication is the annual National Marine Fisheries Service (NMFS) yearbook of fishery statistics for the United States for 2018. The report provides data on U.S. recreational catch and commercial fisheries landings and value as well as other aspects of U.S. commercial fishing. In addition, data are reported on the U.S. fishery processing industry, imports and exports of fishery-related products, and domestic supply and per capita consumption of fishery products.

SOURCES OF DATA

Information in this report came from many sources. Field offices of NMFS, with the generous cooperation of the coastal states and Regional Fishery Information Networks, collected and compiled data on U.S. commercial landings and processed fishery products.

The NMFS Fisheries Statistics Division in Silver Spring, MD, managed the collection and compilation of recreational statistics, in cooperation with various states and Interstate Fisheries Commissions, and tabulated and prepared all data for publication. Sources of other data appearing in this publication are: U.S. Census Bureau, U.S. Bureau of Labor Statistics, U.S. Department of the Interior, U.S. Department of Agriculture, and the Food and Agriculture Organization (FAO) of the United Nations.

Data in this publication are considered to be preliminary and are subject to revision as better information becomes available and updates are made by our regional partners. For the most current data please visit the data queries pages on our website: https://www.fisheries.noaa.gov/national/sustainable-fisheries/commercial-fisheries-landings

ACKNOWLEDGMENTS

The Fisheries Statistics Division takes this opportunity to thank states, industry, and foreign nations who provided the data that made this publication possible. Program leaders of the field offices were: Greg Power, Ted Hawes, Pam Thames, and Joan Palmer for the New England and Middle Atlantic states; Scott Nelson, U.S. Geological Survey, for the Great Lakes states; David Gloeckner, Larry Beerkircher, and Jade Chau for the South Atlantic and Gulf states; Bill Jacobson and Craig D'Angelo for California; Kimberly Lowe, Valerie Chan, and Matthew Dunlap for Hawaii and the Pacific Islands; Heather Konell and Jennifer Ni, Atlantic Coastal Cooperative Statistical Program, for Maine to Virginia; Brad Stenberg, Rick Pannell, Niels Leuthold, Rob Ames, and Robert Ryznar, Pacific Fisheries Information Network and Alaska Fisheries Information Network, for Oregon, Washington, and Alaska. We also wish to thank Stefania Vannuccini and Gabriella Laurenti of the Food and Agriculture Organization of the United Nations, and Brad McHale, Heather Baertlein, and Dianne Stephan of the NOAA Office of Sustainable Fisheries.

NOTES

As in past issues of this publication, the units of quantity and value are defined as follows unless otherwise noted: U.S. landings are shown in round weight (except mollusks which are in meat weight); quantities shown for U.S. imports and exports are in product weight, as reported by the U.S. Bureau of the Census; the value of the U.S. domestic commercial landings is ex-vessel; in the Review section, deflated ex-vessel prices are shown. The deflated value was computed using the Gross Domestic Product Implicit Price Deflator using a base year 2012. The value for U.S. imports is generally the market value in the foreign (exporting) country and, therefore, excludes U.S. import duties, freight charges and insurance from the foreign country to the United States. The value for exports is generally the value at the U.S. port of export, based on the selling price, including inland freight, insurance, and other charges. Countries and territories shown in the U.S. foreign trade section are established for statistical purposes in the Tariff Schedules of the United States Annotated (International Trade Commission) and reported by the U.S. Bureau of the Census. Aquaculture production data lag the rest of the publication by 1 year due to data availability.

The Fisheries Statistics Division wishes to provide the kinds of data sought by fishery statistics users and welcomes comments or suggestions that will improve this publication.

Address all comments or questions to:

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HOMEPAGE: https://www.fisheries.noaa.gov/about/office-science-and-technology

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Review

U.S. COMMERCIAL LANDINGS

Commercial landings (edible and industrial) by U.S. fishermen at ports in the 50 states were 9.4 billion pounds or 4.3 million metric tons valued at $5.6 billion in 2018—a decrease of 531 million pounds (down by 5.3%) and an increase of $150 million (up 2.8%) compared with 2017. Finfish accounted for 88 percent of the total landings, but only 45 percent of the value. The 2018 average ex-vessel price paid to fishermen was 59 cents per pound compared to 55 cents per pound in 2017.

Catches of Alaska pollock, Pacific whiting, and other Pacific groundfish that are processed at-sea aboard U.S. vessels in the northeastern Pacific are credited as "landings" to the state nearest the area of capture. Information is unavailable for landing port or percentage of catch transferred to transport ships for delivery to foreign ports. These at-sea processed fishery products, on a round (live) weight basis, was 3.3 billion pounds or 1.5 million metric tons in 2018 and made up 36 percent of the total domestic landings in the 50 states.

Commercial landings by U.S. fishermen at ports outside the 50 states provided an additional 441.1 million pounds (200,077 metric tons) valued at $308.3 million. This was an increase of 5 percent, or 21 million pounds (9,525 metric tons) in quantity and an increase of $35 million (13%) in value compared with 2017. Most of these landings consisted of tuna landed in American Samoa and other foreign ports. Note that improved foreign port data collection in 2012 resulted in a more complete dataset, and thus higher numbers, than were historically available at the time of publication. Therefore, use caution when comparing data before 2012 to those from more recent years.

Edible fish and shellfish landings in the 50 states were 7.5 billion pounds (3.4 million metric tons) in 2018—a decrease of 728 million pounds (330 thousand metric tons) compared with 2017.

Landings for reduction and other industrial purposes were 1.9 billion pounds (855 thousand metric tons) in 2018—an increase of 197 million pounds (89 thousand metric tons) compared with 2017.

AQUACULTURE

In 2017, estimated freshwater plus marine U.S. aquaculture production was 625.7 million pounds with a value of $1.47 billion, a decrease of 7.8 million pounds (1.0%) in volume and an increase of $17.9 million (1.0%) in value from 2016. Atlantic salmon was the leading species for marine finfish aquaculture, with 32.4 million pounds produced, a decrease of 3.3 million pounds (9.3%). Atlantic salmon produced was valued at $61.4 million (down 9.3%). Oysters have the highest volume for marine shellfish production (36.5 million pounds, down 0.3%).

The United Nations Food and Agriculture Organization (FAO) estimates that nearly half of the world's consumption of seafood comes from aquaculture. Globally, Asia is the leading continent for aquaculture production volume with about 92 percent of the global total of 111.9 million metric tons. The top five producing countries are in Asia: China, with 57.5 percent of the global total; Indonesia, 14.2 percent; India, 5.5 percent; Viet Nam, 3.4 percent; and Bangladesh, 2.1 percent. The United States ranks seventeenth in production.

U.S. MARINE RECREATIONAL CATCH

The 2018 U.S. marine recreational finfish catch, including fish kept and fish released (discarded) on the Atlantic, Gulf, and Pacific coasts (including Alaska and Hawaii), was an estimated 956 million fish taken on an estimated 194 million fishing trips (Alaska trip data not available for 2018). The harvest (fish kept or released dead) was estimated at 347 million fish weighing 359 million pounds.

WORLD LANDINGS

In 2017, the most recent year for which global data are available, world commercial fishery landings and aquaculture production were 173 million metric tons—an increase of 6.8 million metric tons compared with 2016. Aquaculture production increased by 3.7 million metric tons while fishery landings increased by 3.1 million tons.

China was the leading nation in both fishery landings and aquaculture production, accounting for 36 percent of the total harvest. Indonesia is the second leading producer with 7.4 percent. India was third with 6.7 percent. Vietnam was fourth with 4.1 percent. The United States was fifth with 3.2 percent.

PROCESSED PRODUCTS

The estimated value of the 2018 domestic production of edible and nonedible processed fishery products was $11.6 billion, down 416 million (3.4%) from 2017. The value of edible products was $10.7 billion—down 378 million (3.4%) compared with 2017. The value of industrial products was $889.3 million in 2018—down 38.4 million (4.1%) from 2017.

FOREIGN TRADE

The total import value of edible and nonedible fishery products was $40.3 billion in 2018—an increase of $1.9 billion (5.0%) compared with 2017. Imports of edible fishery products (product weight) were 6.1 billion pounds valued at $22.4 billion in 2018. Volume increased 167.3 million pounds (2.8%), while value increased by $919.5 million (4.3%) compared with 2017. Imports of nonedible (i.e., industrial) products were $17.9 billion—an increase of $1.0 billion (6%) compared with 2017.

Total export value of edible and nonedible fishery products was $28.8 billion in 2018—a decrease of $218.4 million (7.5%) compared with 2017. United States firms exported 2.9 billion pounds of edible products valued at $5.6 billion—volume and value decreased by 262.7 million pounds (8.2%) and $139.5 million (2.4%) compared with 2017. Exports of nonedible products were valued at $23.2 billion, which is $78.9 million (0.34%) less than 2017.

SUPPLY

The U.S. supply of edible fishery products (domestic landings plus imports, round weight equivalent, minus exports) was 12.8 billion pounds in 2018—down 16.4 million pounds compared to 2017. The supply of industrial fishery products was 830.7 million pounds in 2018—an increase of 307.6 million pounds compared with 2017.

PER CAPITA CONSUMPTION

Estimated U.S. per capita consumption of fish and shellfish was 16.1 pounds (edible meat) in 2018. This total was an increase of 0.1 pounds from the 16.0 pounds consumed in 2017.

U.S. Commercial Fisheries and the Seafood Industry

Landings and Values, 2018

National Totals

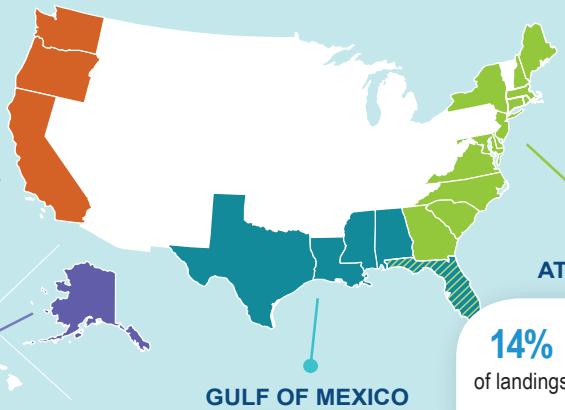
9.4 billion pounds -5.3% from 2017

$5.6 billion +2.8% from 2017

Highest Value Species Groups*

LOBSTER	CRABS	SALMON	SCALLOPS	SHRIMP
$684 million	$645 million	$598 million	$541 million	$496 million

Regional Totals**



PACIFIC
- 12% of landings
- 13% of value

ATLANTIC
- 14% of landings
- 37% of value

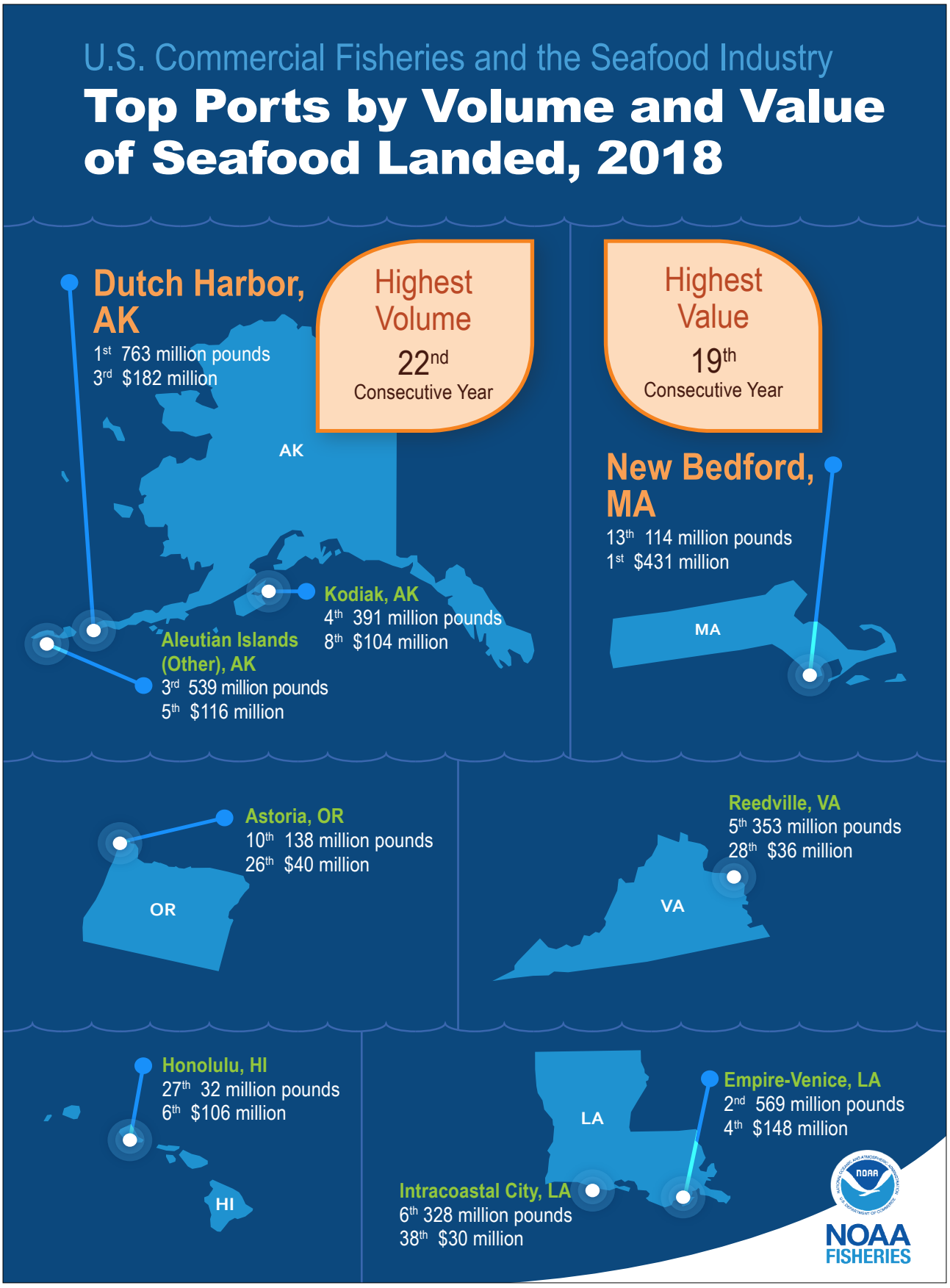
ALASKA
- 58% of landings
- 32% of value

GULF OF MEXICO
- 16% of landings
- 16% of value

* Ex-vessel value

** Hawaii contributed less than 1% of U.S. volume and 2% of U.S. landings value. The Great Lakes contributed less than 1% of U.S. landings and landings value.

NOAA FISHERIES

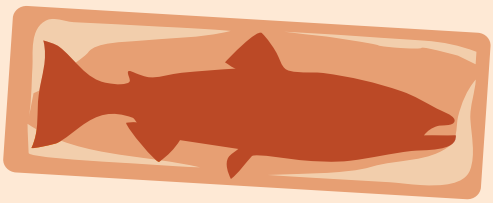

U.S. Commercial Fisheries and the Seafood Industry
Top Ports by Volume and Value of Seafood Landed, 2018
Dutch Harbor, AK
1st 763 million pounds
3rd $182 million
Highest Volume
22nd Consecutive Year
Highest Value
19th Consecutive Year
AK
Kodiak, AK
4th 391 million pounds
8th $104 million
Aleutian Islands (Other), AK
3rd 539 million pounds
5th $116 million
New Bedford, MA
13th 114 million pounds
1st $431 million
MA
Astoria, OR
10th 138 million pounds
26th $40 million
OR
Reedville, VA
5th 353 million pounds
28th $36 million
VA
Honolulu, HI
27th 32 million pounds
6th $106 million
HI
LA
Empire-Venice, LA
2nd 569 million pounds
4th $148 million
Intracoastal City, LA
6th 328 million pounds
38th $30 million
NOAA FISHERIES

U.S. Commercial Fisheries and the Seafood Industry

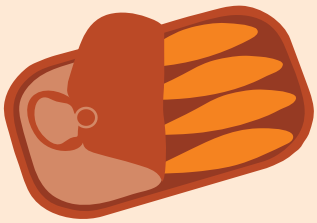
How Our Catch is Used, 2018

Human Food

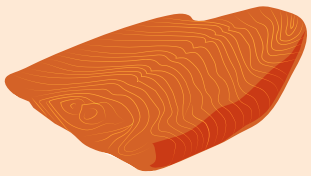
76%
Fresh/Frozen



2%
Canned



1%
Cured

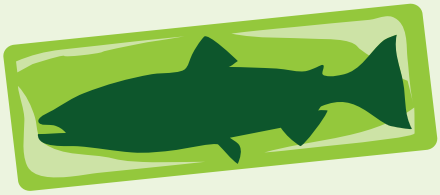


Other Uses

17%
Fish Meal and Oil*

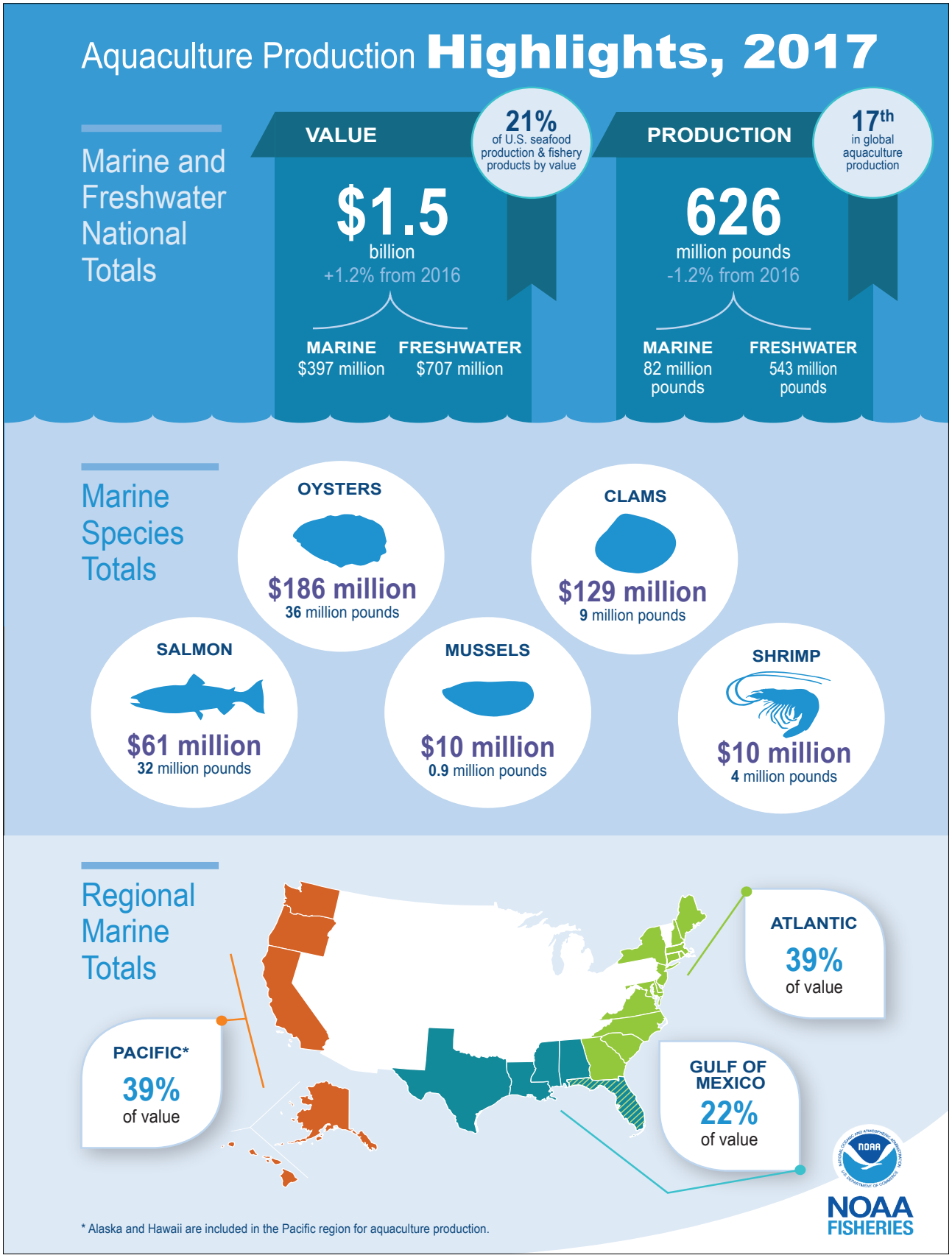
* Predominantly added to animal feed

3%
Fresh/Frozen Bait and Animal Food



<1%
Canned Animal Food

NOAA FISHERIES


Aquaculture Production Highlights, 2017
Marine and Freshwater National Totals
VALUE
21% of U.S. seafood production & fishery products by value
$1.5 billion
+1.2% from 2016
MARINE $397 million
FRESHWATER $707 million
PRODUCTION
17th in global aquaculture production
626 million pounds
-1.2% from 2016
MARINE 82 million pounds
FRESHWATER 543 million pounds
Marine Species Totals
OYSTERS
$186 million
36 million pounds
CLAMS
$129 million
9 million pounds
SALMON
$61 million
32 million pounds
MUSSELS
$10 million
0.9 million pounds
SHRIMP
$10 million
4 million pounds
Regional Marine Totals
ATLANTIC
39%
of value
PACIFIC*
39%
of value
GULF OF MEXICO
22%
of value
* Alaska and Hawaii are included in the Pacific region for aquaculture production.
NOAA FISHERIES

U.S. Recreational Fisheries

Saltwater Trips and Catch, 2018

National Totals

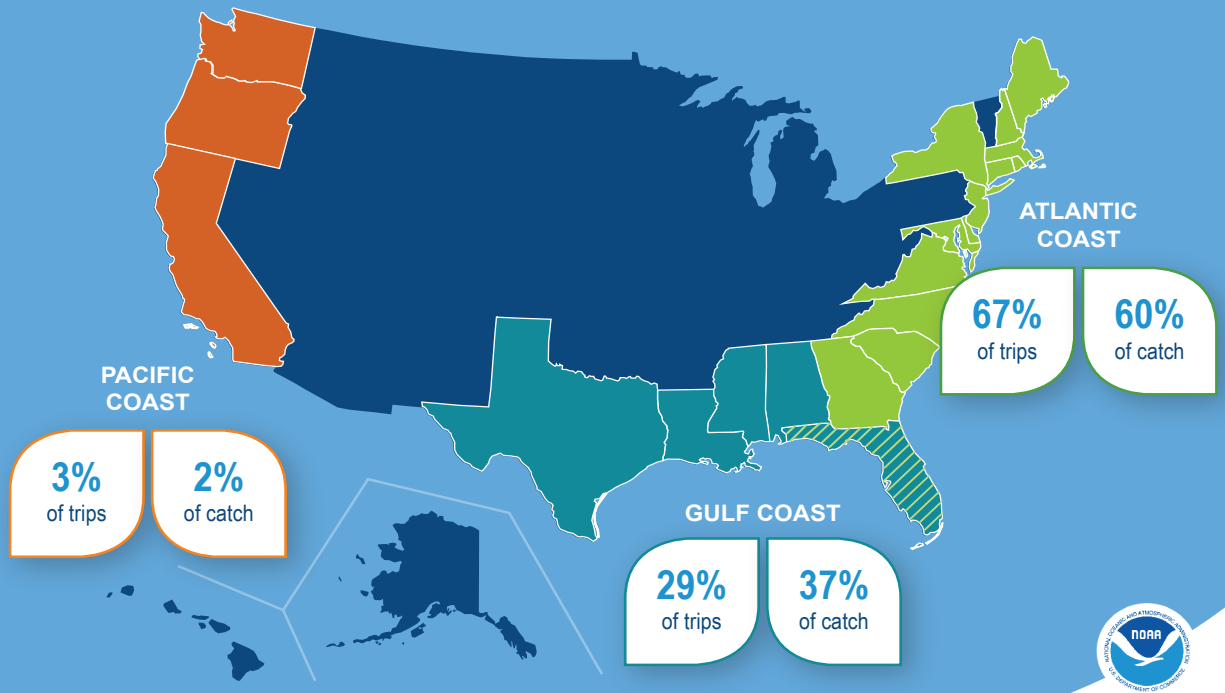
194 million fishing trips

8.5 million anglers

WHERE OUR CATCH COMES FROM

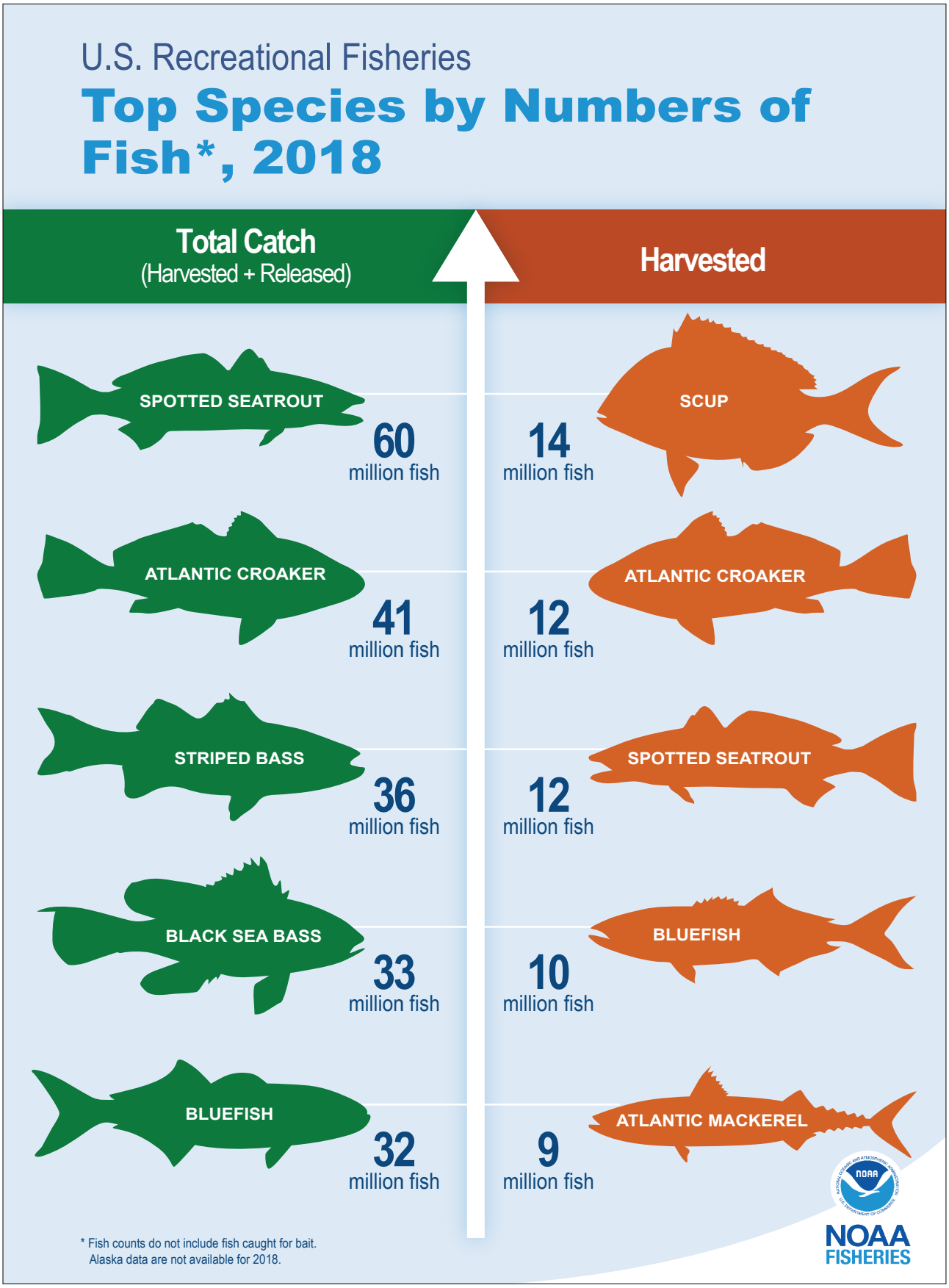
55%	35%	10%
Estuaries / Inland waters	State territorial seas	Federal waters (EEZ)

Regional Totals*



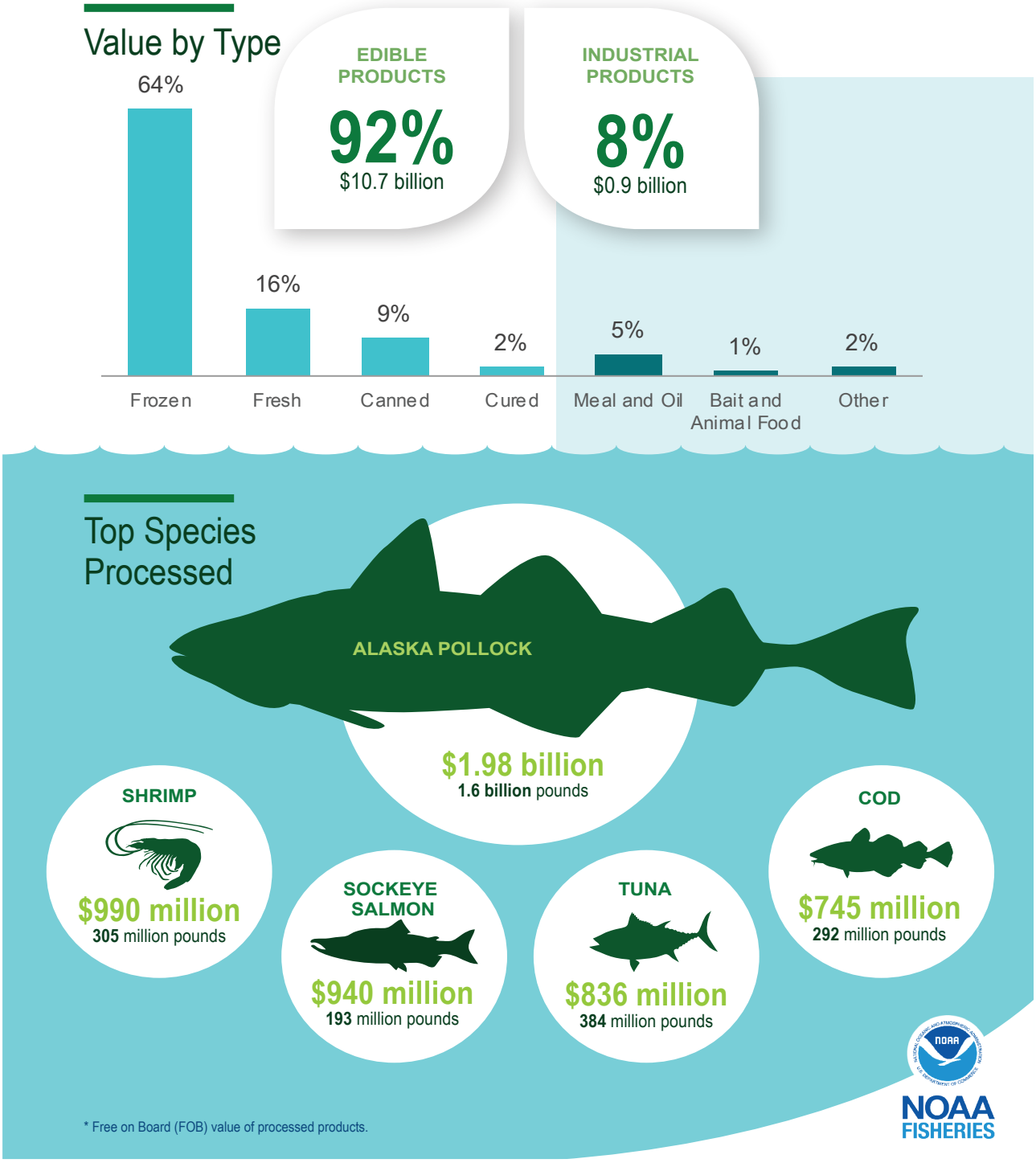
* Alaska data not available for 2018. Hawaii contributed 2% and 1% of national trips and catch, respectively. Puerto Rico data not available for 2018.

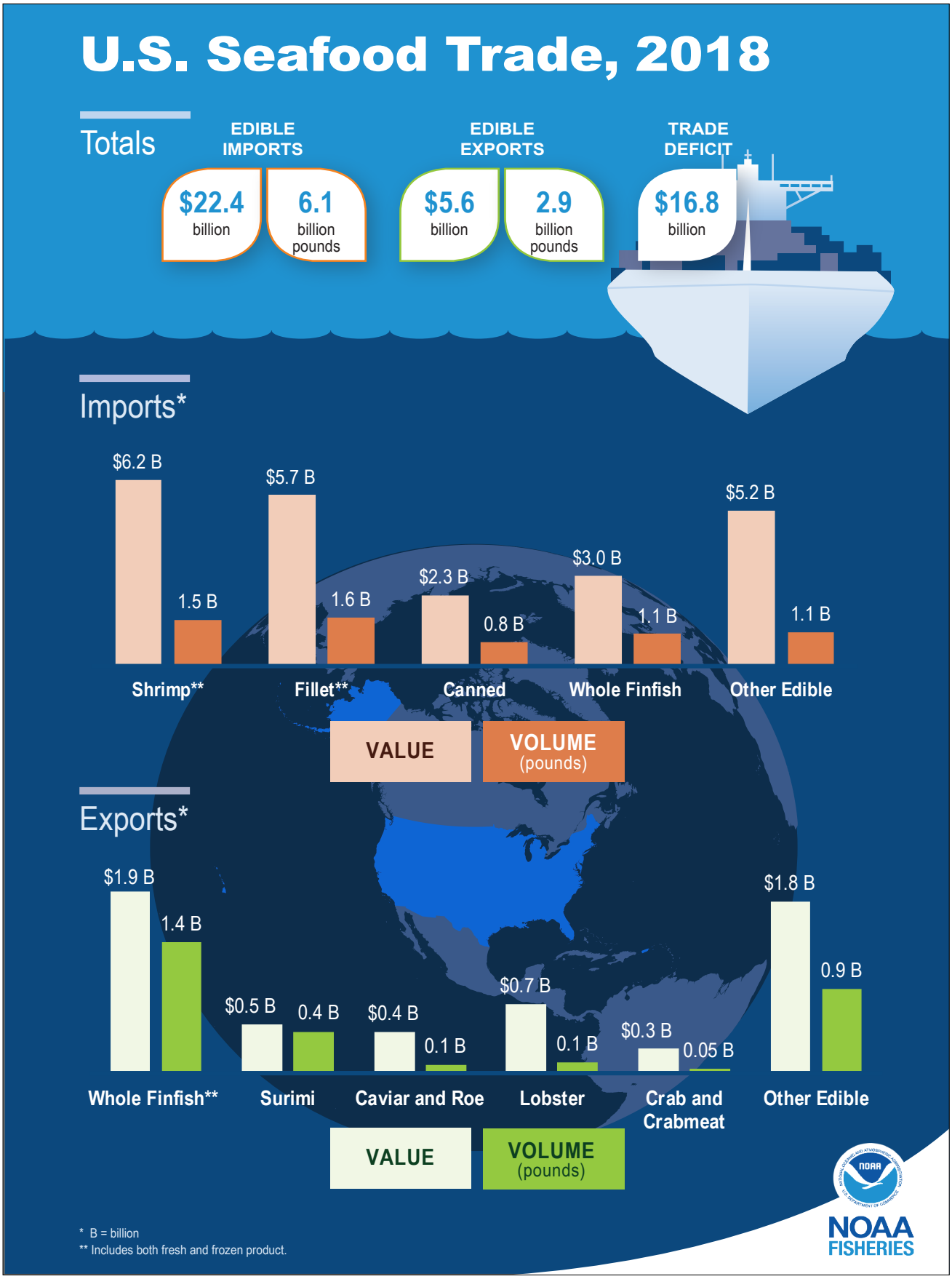
NOAA FISHERIES


U.S. Recreational Fisheries
Top Species by Numbers of Fish*, 2018
Total Catch
(Harvested + Released)
Harvested
SPOTTED SEATROUT
60
million fish
SCUP
14
million fish
ATLANTIC CROAKER
41
million fish
ATLANTIC CROAKER
12
million fish
STRIPED BASS
36
million fish
SPOTTED SEATROUT
12
million fish
BLACK SEA BASS
33
million fish
BLUEFISH
10
million fish
BLUEFISH
32
million fish
ATLANTIC MACKEREL
9
million fish
* Fish counts do not include fish caught for bait.
Alaska data are not available for 2018.
NOAA
FISHERIES

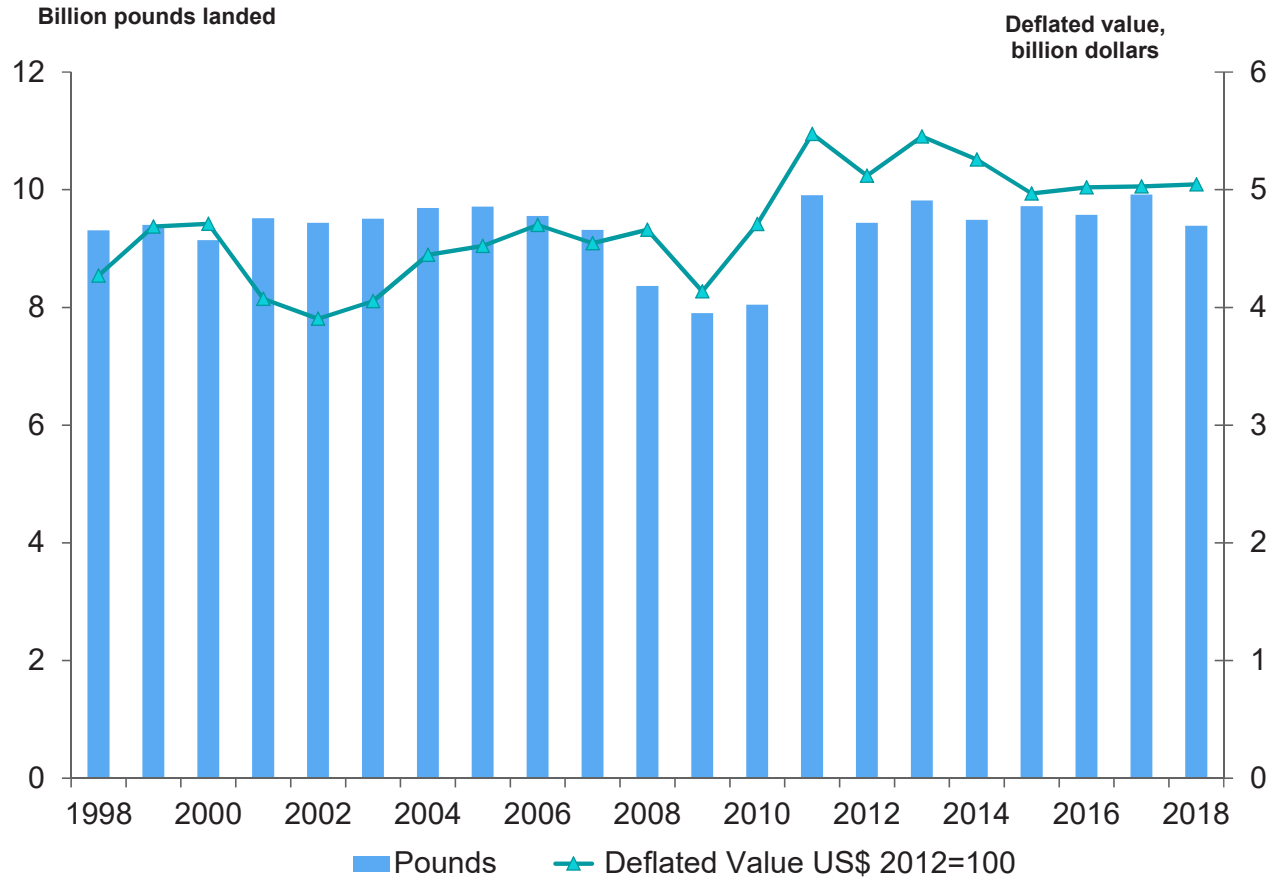
Value of Processed Fisheries Products, 2018*

(Processed from domestic catch and imported products)

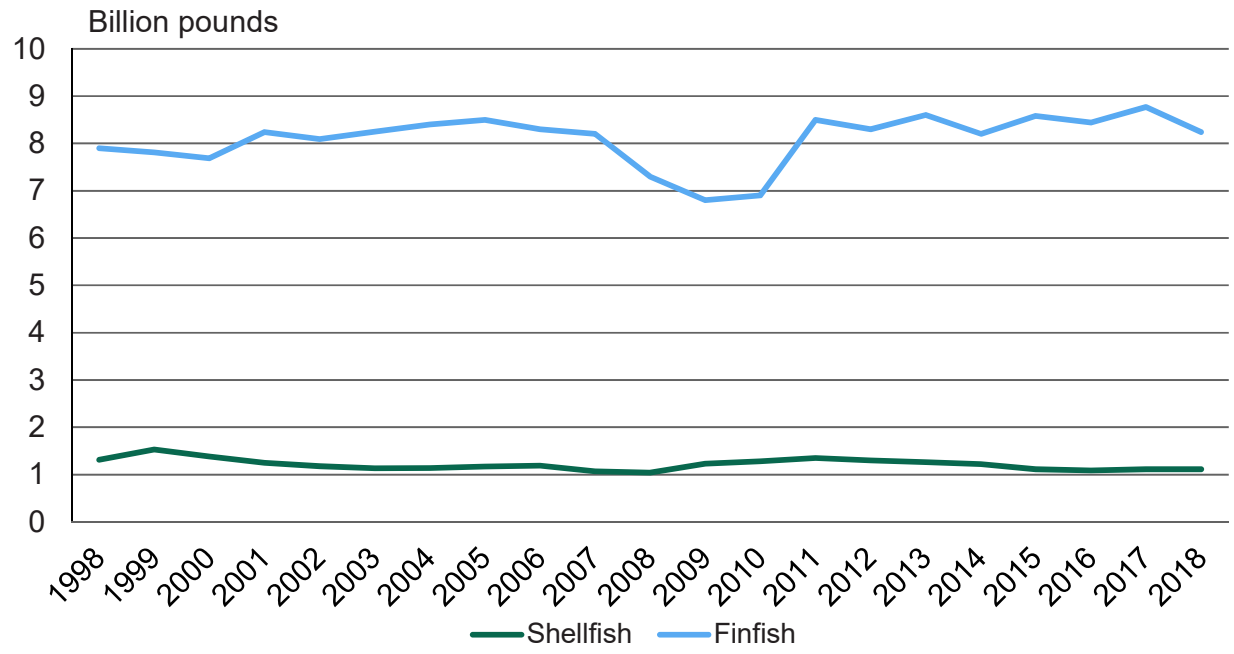



U.S. Seafood Trade, 2018
Totals
EDIBLE IMPORTS
$22.4 billion
6.1 billion pounds
EDIBLE EXPORTS
$5.6 billion
2.9 billion pounds
TRADE DEFICIT
$16.8 billion
Imports*
$6.2 B
1.5 B
$5.7 B
1.6 B
$2.3 B
0.8 B
$3.0 B
1.1 B
$5.2 B
1.1 B
Shrimp**
Fillet**
Canned
Whole Finfish
Other Edible
VALUE
VOLUME (pounds)
Exports*
$1.9 B
1.4 B
$0.5 B
0.4 B
$0.4 B
0.1 B
$0.7 B
0.1 B
$0.3 B
0.05 B
$1.8 B
0.9 B
Whole Finfish**
Surimi
Caviar and Roe
Lobster
Crab and Crabmeat
Other Edible
VALUE
VOLUME (pounds)
* B = billion
** Includes both fresh and frozen product.
NOAA FISHERIES

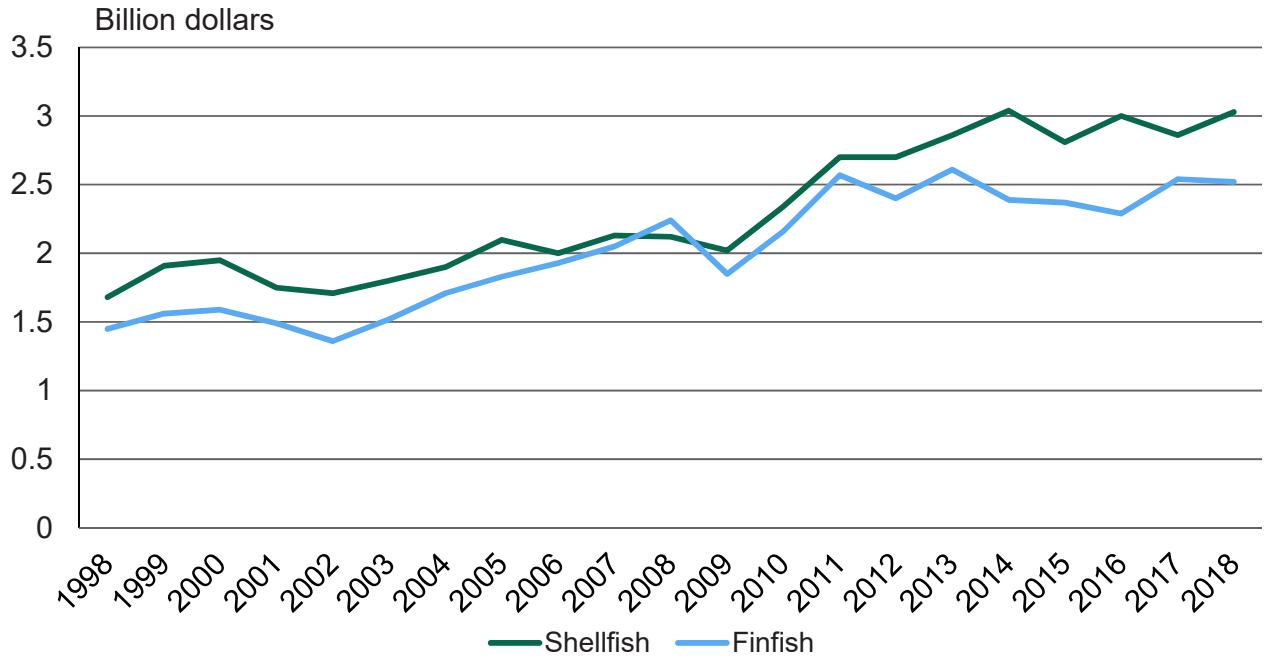
Commercial Landings, 1998-2018 National Landings and Deflated Value



Volume of U.S. Domestic Finfish and Shellfish Landings, 1998-2018



Value of U.S. Domestic Finfish and Shellfish Landings, 1998-2018



Alaska led all states in volume with landings of 5.4 billion pounds, followed by: Louisiana, 1.0 billion pounds; Washington, 590.0 million pounds; Virginia, 362.5 million pounds; and Mississippi, 320.3 million pounds.

Alaska led all states in value of landings with $1.8 billion, followed by: Massachusetts, $647.2 million; Maine, $587.4 million; Louisiana, $377.1 million; and Washington, $346.4 million.

Dutch Harbor, Alaska, was the leading U.S. port in quantity of commercial fishery landings, followed by: Empire-Venice, Louisiana; Aleutian Islands (Other), Alaska; Kodiak, Alaska; Reedville, Virginia; Intracoastal City, Louisiana; and Pascagoula-Moss Point, Mississippi.

New Bedford, Massachusetts was the leading U.S. port in terms of value, followed by: Naknek, Alaska; Dutch Harbor, Alaska; Empire-Venice, Louisiana; and Aleutian Islands (Other), Alaska.

Tuna landings by U.S.-flag vessels at ports outside the continental United States amounted to 441.1 million pounds.

Major U.S. Domestic Species Groups Landed in 2018

Ranked by Volume and Value

Volume of Landings

Rank	Species	Thousand Pounds
1	Pollock (Alaska)	3,363,901
2	Menhaden	1,581,578
3	Hakes	703,508
4	Salmon	575,972
5	Flatfish	546,999
6	Cod	515,554
7	Shrimp	289,178
8	Crabs	289,021
9	Rockfishes	202,419
10	Squid	161,628

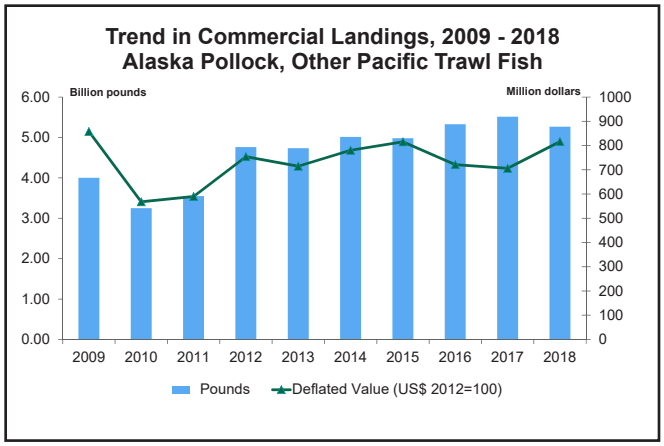
Value of Landings

Rank	Species	Thousand Dollars
1	Lobsters	684,303
2	Crabs	644,912
3	Salmon	598,067
4	Scallops	540,583
5	Shrimp	496,114
6	Pollock (Alaska)	451,180
7	Oysters	258,748
8	Clams	244,107
9	Flatfish	242,553
10	Menhaden	161,088

ALASKA POLLOCK AND OTHER PACIFIC TRAWL FISH

U.S. landings of Pacific trawl fish (Pacific cod, flounders, hake, Pacific ocean perch, Alaska pollock, and rockfishes) were 5.3 billion pounds valued at $901.6 million—a decrease of 5 percent in quantity and an increase of 18 percent in value compared with 2017.

Landings of Alaska pollock (3.4 billion) decreased from 2017 but were 132.9 million pounds over their 2013-2017 5-year average. Landings of Pacific cod were 512.7 million pounds — a decrease of 22 percent from 657.3 million in 2017. Pacific hake (whiting) landings were 686.6 million pounds (down 11%) valued at $53.7 million (down 11%) compared to 2017. Landings of rockfishes were 68.7 million pounds (up 28%) and valued at $24 million (up 13%) compared to 2017.



ANCHOVIES

U.S. landings of anchovies were 38.3 million pounds—an increase of 25.9 million pounds (210%) compared with 2017. One percent of all landings were used for animal food or reduction and 99 percent were used for bait. The U.S. imports all edible anchovies.

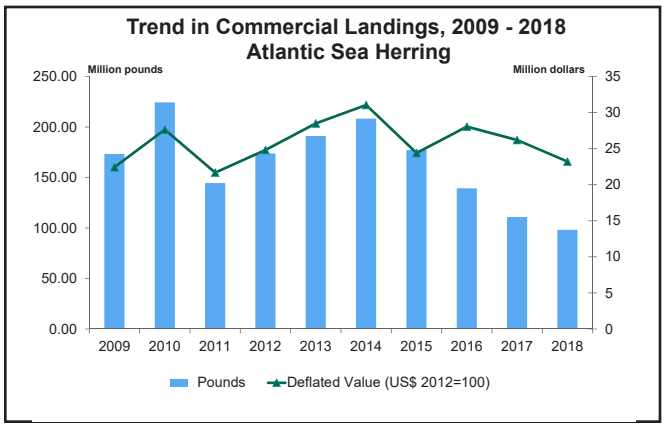
HALIBUT

U.S. landings of Atlantic and Pacific halibut were 21.9 million pounds (round weight) valued at $89.3 million—a decrease of 4.5 million pounds (17%) and $36.5 million (29%) compared with 2017. The Pacific fishery accounted for all but 153,000 pounds of the 2018 total halibut catch. The average ex-vessel price per pound in 2018 was $4.07 compared with $4.75 in 2017.

SEA HERRING

U.S. commercial landings of sea herring were 145.8 million pounds valued at $32.6 million—a decrease of 34.1 million pounds (19%) and $3.8 million (10%) compared with 2017. Landings of Atlantic sea herring were 98.1 million pounds valued at $25.6 million—a decrease of 12.7 million pounds (11%) and $2.6 million (9%) compared with 2017.

Landings of Pacific sea herring were 47.7 million pounds valued at $7 million—a decrease of 21.4 million pounds (31%) and $1.2 million (14%) compared with 2017. Alaska landings accounted for 96 percent of the Pacific coast with 45.7 million pounds valued at $6.6 million—a decrease of 22.7 million pounds (33%) and $1.3 million (17%) compared with 2017.



JACK MACKEREL

California accounted for 59 percent, Oregon for 8 percent, and Washington 34 percent of the U.S. landings of jack mackerel in 2018. Total landings were 239,000 pounds valued at $27,000—a decrease of 804,000 pounds (77%) and $23,000 (46%) compared with 2017. The 2018 average ex-vessel price per pound was 11 cents.

MACKEREL, ATLANTIC

U.S. landings of Atlantic mackerel were 19.3 million pounds valued at $4.4 million—an increase of 4.1 million pounds (27%) and $335,000 (8%) compared with 2017. Massachusetts with 7.5 million pounds and New Jersey with 7.1 million pounds accounted for 76 percent of the total landings. The average ex-vessel price per pound in 2018 was 23 cents compared with 27 cents in 2017.

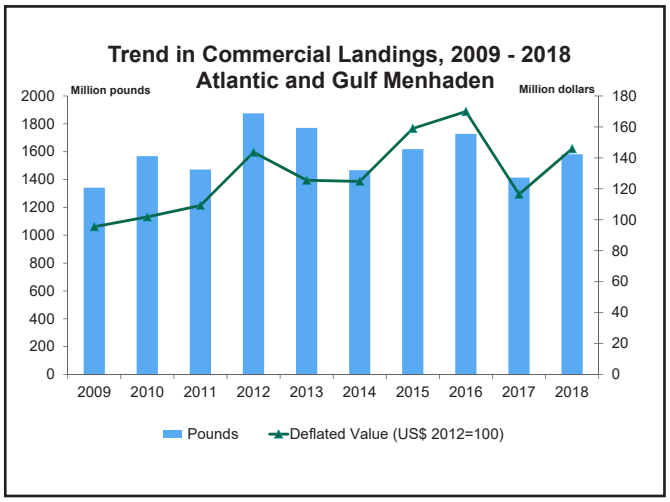
MACKEREL, CHUB

Landings of chub mackerel were 5.5 million pounds valued at $999,000—an increase of 711,000 pounds (15%) and $358,000 (56%) compared with 2017. California accounted for 99 percent of the total landings. The average ex-vessel price in 2018 was 18 cents compared with 13 cents in 2017.

MENHADEN

The U.S. menhaden landings were 1.6 billion pounds valued at $161.1 million—an increase of 168.5 million pounds (12%) and an increase of $35.6 million (28%) compared with 2017. Landings along the Atlantic coast increased to 415.4 million pounds (up 4.8%) valued at $44.5 million (down 16.5%). Gulf region landings were 1.2 billion pounds (up 14.7%) valued at $116.6 million (up 61.4%).

Menhaden are used primarily for the production of meal, oil, and solubles, while small quantities are used for bait.



NORTH ATLANTIC TRAWL FISH

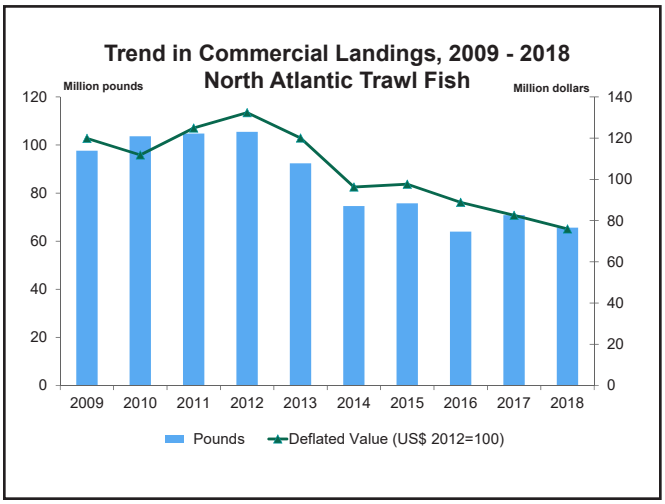
Landings of butterfish, Atlantic cod, cusk, flounders (winter/blackback, summer/fluke, yellowtail and other), haddock, red and white hake, ocean perch, pollock and whiting (silver hake) in the North Atlantic (combination of New England and Middle Atlantic Regions) were 65.2 million pounds valued at $79.8 million—a decrease of 5.2 million pounds (7%) and $4.8 million (6%) compared with 2017. Of these species, flounders led in total value in the North Atlantic, accounting for 43 percent of the total; followed by haddock, 17 percent; and whiting (silver hake), 12 percent.

The 2018 landings of Atlantic cod were 2.2 million pounds valued at $4.8 million—an increase of 295,000 pounds (16%), and $333,000 (8%) compared with 2017. The ex-vessel price per pound in 2018 was $2.22 compared with $2.39 in 2017.

Landings of yellowtail flounder were 979,000—a decrease of 1.4 million pounds (59%) from 2017 and were 61 percent lower than the 5-year average.

Haddock landings increased to 14.5 million pounds (up 19%) and $13.4 million (up 12%) compared to 2017.

North Atlantic pollock landings were 6.8 million pounds valued at $5.3 million—a decrease of 386,000 pounds (5%) and $823,000 (13%) compared with 2017.



PACIFIC SALMON

U.S. commercial landings of salmon were 576 million pounds valued at $598.1 million—a decrease of 432.2 million pounds (43%) and $89.7 million (13%) compared with 2017. Alaska accounted for 97 percent of total landings; Washington, 3 percent; California, Oregon, and the Great Lakes accounted for less than 1 percent of the catch. Sockeye salmon landings were 265.3 million pounds valued at $351.5 million—a decrease of 26.3 million pounds (9%) but an increase of $27.8 million (9%) compared with 2017. Chinook salmon landings decreased to 7.2 million pounds-down 1.8 million pounds (20%) from 2017. Pink salmon landings were 135.8 million pounds-a decrease of 359.5 million (73%); chum salmon landings were 138.8 million a decrease of 38.4 million (22%); and coho salmon decreased to 28.9 million—a decrease of 6.3 million (18%) compared with 2017.

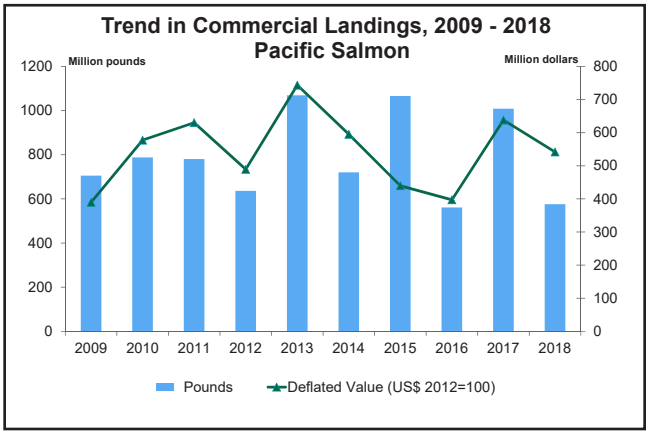
Alaska landings were 556.8 million pounds valued at $553.5 million—a decrease of 429.1 million pounds (44%) and $92.2 million (14%) compared with 2017. The distribution of Alaska salmon landings by species in 2018 was: sockeye, 259.7 million pounds (47%); pink, 135.8 million pounds (24%); chum, 131.3 million pounds (24%); coho, 27.2 million pounds (5%); and chinook, 2.8 million pounds (1%). The

average price per pound for all species in Alaska was 99 cents in 2018-an increase of 34 cents from 2017.

Washington salmon landings were 17 million pounds valued at $31 million—a decrease of 3.4 million pounds (17%) and $522,000 (2%) compared with 2017. The biennial fishery for pink salmon went from 551,000 in 2017 to less than a thousand pounds in 2018. Washington landings of chum salmon were 7.4 million (down 46%); followed by sockeye, 5.6 million pounds (up 5,000%); chinook, 2.3 million pounds (down 43%); and coho, 1.6 million pounds (down 20%). The average ex-vessel price per pound for all species in Washington increased from $1.54 in 2017 to $1.83 in 2018.

Oregon salmon landings were 951,000 pounds valued at $5.7 million—a decrease of 227,000 pounds (19%), but an increase of $147,000 (3%) compared with 2017. Chinook salmon landings were 863,000 pounds valued at $5.5 million; coho landings were 82,000 pounds valued at $161,000; sockeye landings were 6,000 pounds valued at $22,000; chum landings were less than 500 pounds valued at less than $500; and pink landings were less than 500 pounds valued at less than $500. The average ex-vessel price per pound for Chinook salmon in Oregon increased from $5.32 in 2017 to $6.36 in 2018.

California salmon landings were 1 million pounds valued at $7.6 million— an increase of 481,000 pounds (85%) and $2.8 million (59%) compared with 2017. Chinook salmon were the principal species landed in the state. The average ex-vessel price per pound paid to fishermen in 2018 was $7.26 compared with $8.44 in 2017.



SABLEFISH

U.S. commercial landings of sablefish were 38.7 million pounds valued at $110.4 million—an increase of 958,000 pounds (3%), but a decrease of $33 million (23%) compared with 2017. Landings increased in Alaska to 27.2 million pounds-an increase of 6 percent compared with 2017. Landings decreased in Washington to 2.8 million pounds (down 2%) and $6.6 million (down 26%). The 2018 Oregon catch was 5.6 million pounds (up 1%) but value decreased to $11.8 million (down 24%) compared with 2017. California landings of 3.2 million pounds and $6.4 million represent a decrease of 17 percent in quantity and 29 percent in value from 2017. The average ex-vessel price per pound in 2018 was $2.85 compared with $3.80 in 2017.

TUNA

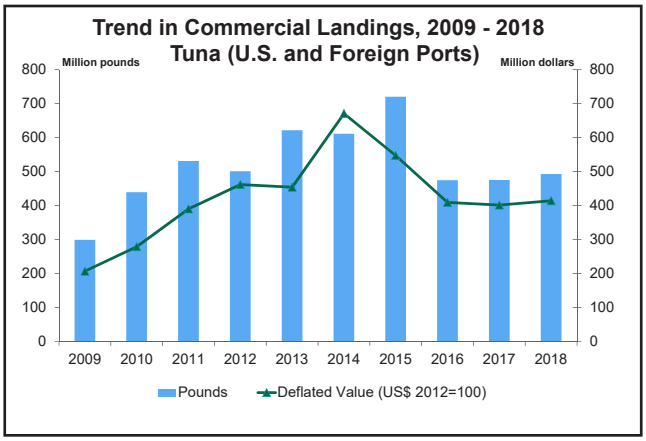
Landings of tuna by U.S. fishermen at ports in the United States, American Samoa, other U.S. territories, and foreign ports were 51.7 million pounds valued at $149.1 million—a decrease of 3.2 million pounds (6%) and $5.3 million (3%) compared with 2017. The average ex-vessel price per pound of all species of tuna in 2018 was $2.88 compared with $2.81 in 2017.

Bigeye landings in 2018 were 18.3 million pounds-a decrease of 1.1 million pounds (5%) compared with 2017. The average ex-vessel price per pound was $4.10 in 2018 compared to $3.79 in 2017.

Skipjack landings were 2.9 million pounds-an increase of 2.3 million pounds (380%) compared with 2017. The average ex-vessel price per pound was 56 cents in 2018, compared to $1.39 cents in 2017.

Yellowfin landings were 12.3 million pounds-a decrease of 1.9 million pounds (14%) compared with 2017. The average ex-vessel price per pound was $2.86 in 2018 compared with $2.38 in 2017.

Bluefin landings were 2.1 million pounds-a decrease of 779,000 pounds (27%) compared with 2017.



The average ex-vessel price per pound in 2018 was $5.40 compared with $3.51 in 2017.

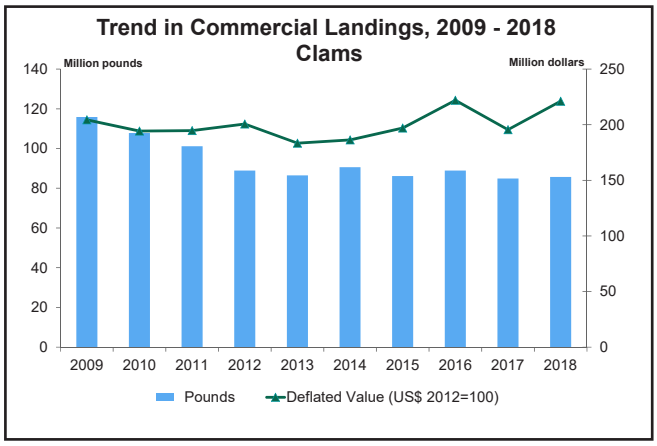
CLAMS

Landings of all species yielded 85.7 million pounds of meats valued at $244.1 million—an increase of 787,000 pounds (1%) and $33.4 million (16%) compared with 2017. The average ex-vessel price per pound in 2018 was $2.85 compared with $2.48 in 2017.

Surf clams yielded 38.2 million pounds of meats valued at $31.4 million—a decrease of 2 million pounds (5%) and $1.3 million (4%) compared with 2017. Massachusetts was the leading state with 17.1 million pounds (down 9% compared with 2017), followed by New Jersey, 17.1 million pounds (down 7%); and Maryland, 2.5 million pounds (up 150%). The average ex-vessel price per pound of meats was 82 cents in 2018, up 1 cent from 2017.

The ocean quahog fishery produced 32.1 million pounds of meats valued at $30.2 million—an increase of 589,000 pounds (2%) and $536,000 (2%) compared with 2017. New Jersey had landings of 17.7 million pounds (up 7% compared with 2017) valued at $17.8 million (up 2%) while Massachusetts production was 14 million pounds (down 1%) valued at $11.4 million (up 6%). Together, New Jersey and Massachusetts accounted for 99 percent of total ocean quahog production in 2018. The average ex-vessel price per pound of meats was 94 cents in 2018, unchanged from 2017.

The hard clam fishery produced 7.2 million pounds of meats valued at $52.8 million—a decrease of 86,000 pounds (1%) and $182,000 (less than 1%) compared with 2017. Landings in the New England region were 1.5 million pounds of meats (up 23%); Middle Atlantic, 5 million pounds (up 1%); and the South Atlantic region, 609,000 pounds (down 41%). The average ex-vessel price per pound of meats increased from $7.28 in 2017 to $7.34 in 2018.



Soft clams yielded 2.5 million pounds of meats valued at $20.6 million—an increase of 266,000 pounds (12%) and $2.7 million (15%) compared with 2017. Maine was the leading state with 1.5 million pounds of meats (up 32%), followed by Massachusetts, 747,000 pounds (down 1%), and Maryland, 131,000 pounds (down 39%). The average ex-vessel price per pound of meats was $8.36 in 2018 compared with $8.16 in 2017.

CRABS

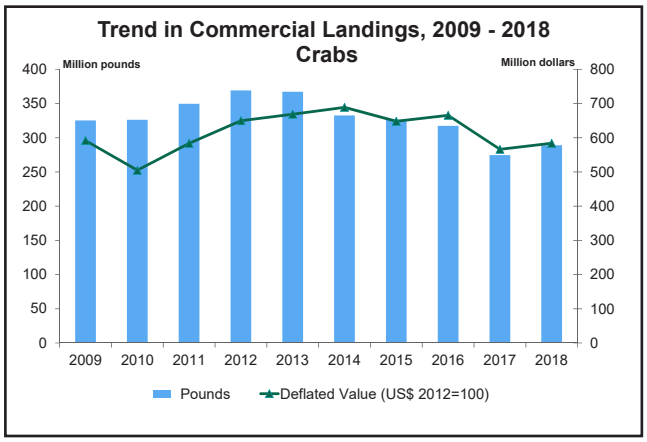
Landings of all species of crabs were 289 million pounds valued at $644.9 million—an increase of 14.4 million pounds (5%) and $34.5 million (6%) compared with 2017.

Hard blue crab landings were 137.4 million pounds valued at $188.4 million—a decrease of 5 million pounds (4%) and $1.4 million (1%) compared with 2017. Louisiana landed 31 percent of the total U.S. landings followed by: Maryland, 19 percent; Virginia, 15 percent; and North Carolina, 12 percent. Hard blue crab landings in the South Atlantic of 27.1 million pounds decreased 8 percent; and the Gulf region with 53 million pounds increased 5 percent. The Middle Atlantic region with 57.2 million pounds valued at $77.1 million had a decrease of 5.2 million pounds (8%) compared with 2017. The average ex-vessel price per pound of hard blue crabs was $1.37 in 2018 compared with $1.33 in 2017.

Dungeness crab landings were 68.3 million pounds valued at $239.3 million—an increase of 7 million pounds (11%) and $26.7 million (13%) compared with 2017. Oregon landings of 23.1 million pounds (up 22% from 2017) led all states with 34 percent of the total landings. Washington landings were 21.2 million pounds (down 22%) or 31 percent of the total landings. California landings were 18.8 million pounds (up 46%) and Alaska landings were 5.3 million pounds (up 150%). The average ex-vessel price per pound was $3.50 in 2018 compared with $3.47 in 2017.

U.S. landings of king crab were 11.2 million pounds valued at $67.2 million—a decrease of 1.7 million pounds (13%) and $14.1 million (17%) compared with 2017. The average ex-vessel price per pound in 2018 was $6.01 compared with $6.31 in 2017.

Snow crab landings were 18.9 million pounds valued at $56.5 million—a decrease of 2.5 million pounds (12%) and $1.4 million (2%) compared with 2017. The average ex-vessel price per pound was $3.00 in 2018, up from $2.72 in 2017.



LOBSTER, AMERICAN

American lobster landings were 146.2 million pounds valued at $624.2 million—an increase of 13.2 million pounds (10%) and $72.2 million (13%) compared with 2017. Maine led in landings for the 37th consecutive year with 120.1 million pounds valued at $486.9 million-an increase of 12.2 million pounds (11%) compared with 2017. Massachusetts, the second leading producer, had landings of 17.5 million pounds valued at $87.9 million-an increase of 809,000 pounds (5%) compared with 2017. Together, Maine and Massachusetts produced 94 percent of the total national landings. The average ex-vessel price per pound was $4.27 in 2018 compared with $4.15 in 2017.

LOBSTER, SPINY

U.S. landings of spiny lobster were 7.1 million pounds valued at $60.1 million–an increase of 3.1 million pounds (78%) and $18.3 million (44%) compared with 2017. Florida, with landings of 6.2 million pounds valued at $46 million, accounted for 88 percent of the total catch and 77 percent of the value. This was an increase of 2.9 million pounds (90%) and $17.5 million (61%) compared with 2017. Overall the average ex-vessel price per pound was $8.50 in 2018 compared with $10.53 in 2017.

OYSTERS

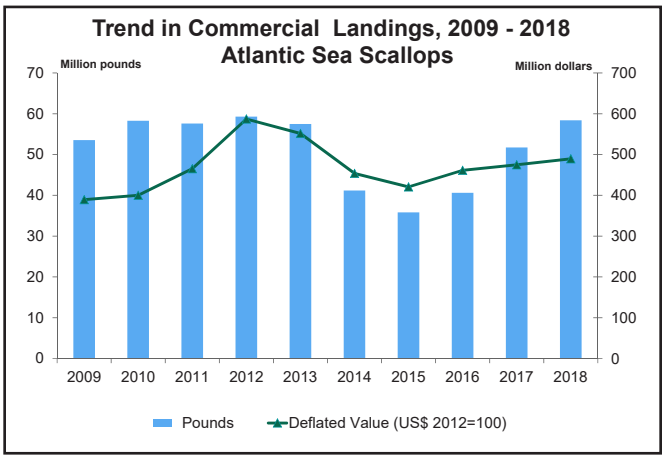
U.S. oyster landings yielded 30.3 million pounds valued at $258.7 million—a decrease of 1.5 million pounds (5%) but an increase of $22.3 million (9%) compared with 2017. The Gulf region led in production with 15.3 million pounds of meats, 50 percent of the national total; followed by the Pacific Coast region with 8.8 million pounds (29%), principally Washington, with 7.5 million pounds (85% of the region's total volume); and the Middle Atlantic region with 4.5 million pounds (15%). The average ex-vessel price per pound of meats was $8.54 in 2018, compared with $7.43 in 2017.

SCALLOPS

U.S. landings of bay and sea scallops totaled 58.4 million pounds valued at $540.6 million—an increase of 6.7 million pounds (13%) and $28.6 million (6%) compared with 2017. The average ex-vessel price per pound of meats decreased from $9.90 in 2017 to $9.26 in 2018.

Bay scallop landings were 502,000 pounds valued at $8.3 million—an increase of 231,000 pounds (85%) and $2.9 million (53%) compared with 2017. The average ex-vessel price per pound of meats was $16.48 in 2018 compared with $19.90 in 2017.

Sea scallop landings were 57.9 million pounds valued at $532.3 million—an increase of 6.4 million pounds (12%) and $25.8 million (5%) compared with 2017. Massachusetts and New Jersey were the leading states in landings of sea scallops with 40.4 million and 9.2 million pounds of meats, respectively, representing 86 percent of the national total. The average ex-vessel price per pound of meats in 2018 was $9.20 compared with $9.84 in 2017.

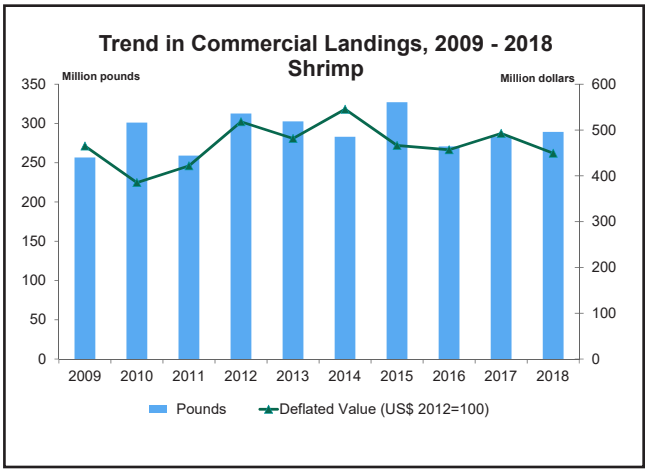


SHRIMP

U.S. landings of shrimp were 289.2 million pounds valued at $496.1 million—an increase of 6 million pounds (2%) but a decrease of $34.8 million (7%)

compared with 2017. Shrimp landings by region were: New England, down 86 percent; South Atlantic, down 31 percent; Gulf down 1 percent; and Pacific, up 46 percent. The average ex-vessel price per pound of shrimp decreased to $1.72 in 2018 from $1.87 in 2017.

Gulf region landings were the nation's largest with 215.4 million pounds and 74 percent of the national total. Louisiana led all Gulf states with 90.7 million pounds (down 3% compared with 2017); followed by Texas, 72.1 million pounds (down 4%); Alabama, 28.2 million pounds (up 16%); Florida West Coast, 14.5 million pounds (up 6%); and Mississippi, 9.9 million pounds (down 3%). In the Pacific region, Oregon had landings of 35.8 million pounds (up 55%) compared with 2017; Washington had landings of 9.2 million pounds (up 24%); and California, 6.1 million pounds (up 37%).



SQUID

U.S. commercial landings of squid were 161.6 million pounds valued at $102 million—a decrease of 45.8 million pounds (22%) and $14.5 million (12%) compared with 2017. California was the leading state with 72.8 million pounds (45%) and was followed by New Jersey with 27.2 million pounds (17% of the national total). The Pacific Coast region landings were 82.8 million pounds (down 41% compared with 2017); followed by New England, 41.1 million pounds (up 15%); followed by the Middle Atlantic region with 37.6 million pounds (up 18%); followed by the South Atlantic region with 93,000 pounds (down 53%); and the Gulf region with 61,000 pounds (up 56%). The average ex-vessel price per pound for squid was 63 cents in 2018 compared with 56 cents in 2017.

United States Commercial Landings

COMMERCIAL LANDINGS DATA COLLECTION

Commercial landings data used in this publication are collected by our state and regional partners. They are then combined by NMFS Headquarters staff to provide a national overview of landings made by the domestic fishing fleet. Although reporting is required for all commercially-landed species, the data collected and methods used vary widely among fisheries and the various regions. Some data come from the fishermen themselves via a logbook or trip ticket program, while others come from reports from seafood dealers who buy the catch. See the following section for summaries of each of the major regional data sources.

MAINE THROUGH GEORGIA. NMFS receives landings data for the Atlantic Coast (Maine through Georgia) from the Atlantic Coastal Cooperative Statistics Program (ACCSP, http://www.accsp.org). ACCSP is a cooperative state–federal program that designs, implements, and conducts marine fisheries data collection programs to form a single data management system to meet the needs of fishery managers, scientists, and fishermen. ACCSP compiles landings from the relevant state agencies and from NMFS. Most of these landings are collected from reports of seafood dealers using the Standard Atlantic Fisheries Information System (SAFIS), an online reporting tool developed by the ACCSP and used throughout the Atlantic Coast.

FLORIDA THROUGH TEXAS. For Fisheries of the United States, landings data for the Gulf of Mexico region are provided by the NMFS Southeast Fisheries Science Center (http://www.sefsc.noaa.gov/) in cooperation with the Fisheries Information Network of the Gulf States Marine Fisheries Commission (http://www.gsmfc.org). Most of these data are collected through dealer trip-ticket programs administered by the states. Landings data for Florida are provided by ACCSP.

ATLANTIC HIGHLY MIGRATORY SPECIES (HMS). Landings data for Atlantic HMS (swordfish, sharks, bluefin tuna, and BAYS [bigeye, albacore, yellowfin, and skipjack tunas]) are provided by the NMFS' Atlantic HMS Management Division. For all species except bluefin tuna, the data are collected through the existing electronic dealer reporting programs from Maine to Texas, which include SAFIS (including Georgia and South Carolina) and state trip-ticket programs for the Northeast region, North Carolina, and Florida through Texas. For HMS dealers in the Caribbean, data are collected via an HMS-specific dealer reporting program. Atlantic bluefin tuna landings data are from the HMS Management Division's bluefin tuna dealer reporting database.

WASHINGTON, OREGON, and CALIFORNIA. Pacific Coast landings data are provided by the Pacific Fisheries Information Network (PacFIN, http://pacfin.psmfc.org/), a joint state–federal program focused on fisheries data collection and information management for the Pacific Coast. PacFIN includes data from state fish-ticket, port sampling, and logbook programs, as well as limited-entry and observer data provided by NMFS.

ALASKA. Alaska data are provided by the Alaska Fisheries Information Network (AKFIN, http://www.akfin.org). Landings estimates are derived by combining the NMFS Alaska Regional Office's new Catch Accounting System for groundfish and the Alaska Commercial Fisheries Entry Commission-sourced fish tickets for species other than groundfish.

HAWAII. Data for Hawaii and the Pacific Territories are provided by the Western Pacific Fisheries Information System (WPacFIN, http://www.pifsc.noaa.gov/wpacfin/), a program of the NMFS Pacific Islands Fishery Science Center. WPacFIN staff combines Hawaii Department of Aquatic Resources data with landings from the PIFSC Hawaii-based longline fleet logbook program to compile species totals for the state.

GREAT LAKES. Landings data from the Great Lakes are provided by the U.S. Geological Survey's Great Lakes Science Center (http://www.glsc.usgs.gov/). These data lag the other landings data by 1 year.

LANDINGS BY DISTANCE-FROM-SHORE. Landings by distance-from-shore have been included in Fisheries of the United States for many decades. The categories for distance-from-shore reporting are: "0 to 3 miles from shore" corresponding to state waters; "3-200 miles from shore" corresponding to federally managed waters in the Exclusive Economic Zone (EEZ) of the United States; and "High seas or off Foreign Waters" corresponding to ocean areas beyond the EEZ. Distance-from-shore is derived from spatial elements in the data where it is available. The distribution of landings by distance-from-shore is

usually estimated based on historic data and industry knowledge because location of the catch is not a required reporting element for most fisheries. The Landings by Distance-From-Shore table includes landings, primarily tuna, caught by US-flagged purse seine and trolling vessels that are landed in foreign ports. These ports are located in American Samoa, Federated States of Micronesia, Kiribati, Papua New Guinea, and the Marshall Islands. Data are estimated by NMFS staff in the Southwest Fisheries Science Center, Pacific Islands Regional Office, and Pacific Islands Fisheries Science Center based on unloading receipts. All of these catches are assumed to have been made on the high seas, beyond 200 miles off-shore. This table also includes landings of Atlantic groundfish and Pacific albacore in Canada made by US-flagged vessels under international agreement.

U.S. Commercial Landings

U.S. DOMESTIC LANDINGS, BY SPECIES, 2017 AND 2018 (1)

Species	2017			2018			Average (2013-2017)
	Thousand pounds	Metric tons	Thousand dollars	Thousand pounds	Metric tons	Thousand dollars	Thousand pounds
Fish							
Alewife	9	4	3	2,017	915	688	1,182
Anchovies	12,378	5,615	860	38,272	17,360	1,977	21,206
Atka mackerel	142,743	64,748	33,934	156,723	71,089	55,440	100,527
Bluefish	4,348	1,972	3,087	2,551	1,157	2,325	4,589
Blue runner	275	125	231	326	148	280	308
Bonito	1,998	906	633	1,534	696	549	576
Butterfish	8,535	3,871	4,693	4,048	1,836	2,856	5,427
Catfish and bullheads	13,708	6,218	6,673	12,841	5,824	6,992	11,379
Chubs	178	81	455	118	54	263	148
Cod:							
Atlantic	1,857	842	4,444	2,152	976	4,777	3,721
Pacific	657,321	298,159	156,371	512,741	232,578	239,092	692,943
Crevalle (jack)	708	321	589	661	300	556	674
Croaker:							
Atlantic	4,167	1,890	4,885	4,353	1,975	6,066	7,127
Pacific (white)	34	15	26	47	21	36	20
Cusk	72	33	39	56	25	29	90
Dolphinfish	1,642	745	5,664	1,602	727	5,209	2,274
Eels, American	812	368	13,910	763	346	23,407	888
Flatfish:							
Atlantic and Gulf							
American plaice	2,701	1,225	6,281	2,444	1,109	5,284	2,735
Summer flounder	5,749	2,608	24,787	6,185	2,805	26,399	9,400
Winter flounder	2,347	1,065	6,971	1,975	896	5,927	3,822
Witch flounder	982	445	2,471	1,320	599	2,496	1,142
Yellowtail flounder	2,377	1,078	2,979	981	445	1,058	2,500
Other	2,090	948	6,601	2,187	992	4,780	2,310
Total, Atlantic/Gulf	**16,246**	**7,369**	**50,090**	**15,092**	**6,846**	**45,944**	**21,909**
Pacific							
Arrowtooth flounder	69,606	31,573	8,191	52,508	23,817	7,749	76,398
Dover sole	12,965	5,881	5,660	13,667	6,199	6,153	14,235
Flathead sole	22,107	10,028	3,944	27,294	12,380	5,517	30,441
Petrale sole	6,414	2,909	7,404	6,268	2,843	7,302	5,648
Rock sole	78,880	35,780	12,660	64,246	29,142	12,302	107,059
Yellowfin sole	283,658	128,666	39,288	280,717	127,332	49,351	305,947
Other	54,990	24,943	13,991	65,278	29,610	18,917	57,437
Total, Pacific	**528,620**	**239,780**	**91,138**	**509,978**	**231,325**	**107,291**	**597,165**

(continued)

U.S. DOMESTIC LANDINGS, BY SPECIES, 2017 AND 2018 (1)

Species	2017			2018			Average (2013-2017)
	Thousand pounds	Metric tons	Thousand dollars	Thousand pounds	Metric tons	Thousand dollars	Thousand pounds
Halibut	26,466	12,005	125,785	21,929	9,947	89,318	25,890
Total, flatfish	**571,332**	**259,154**	**267,013**	**546,999**	**248,117**	**242,553**	**644,964**
Goosefish (monkfish)	23,990	10,882	18,438	22,956	10,413	14,844	20,136
Groupers	6,437	2,920	25,121	5,259	2,385	22,680	8,237
Haddock	12,101	5,489	11,947	14,455	6,557	13,354	9,849
Hakes:							
Pacific (whiting)	773,885	351,032	60,373	686,598	311,439	53,705	549,155
Red	877	398	456	1,093	496	470	1,111
Silver (Atl. whiting)	11,800	5,352	9,009	11,393	5,168	9,630	13,978
White	4,465	2,025	4,596	4,424	2,007	4,231	4,056
Herring:							
Sea:							
Atlantic	110,804	50,260	28,244	98,086	44,492	25,626	168,200
Pacific	69,116	31,351	8,152	47,706	21,639	6,979	76,864
Thread	1,874	850	421	1,296	588	335	1,912
Jack mackerel	1,043	473	49	239	109	27	2,156
Lingcod	2,275	1,032	3,049	1,962	890	2,725	1,612
Mackerels:							
Atlantic	15,171	6,882	4,034	19,254	8,734	4,369	12,402
Chub	4,837	2,194	642	5,548	2,516	1,000	12,957
King and Cero	6,200	2,812	13,065	5,798	2,630	12,881	5,063
Spanish	4,218	1,913	4,942	4,925	2,234	5,068	4,068
Menhaden:							
Atlantic	396,253	179,739	53,292	415,419	188,433	44,524	391,307
Gulf	1,016,851	461,241	72,203	1,166,159	528,966	116,564	1,105,033
Total, menhaden	**1,413,104**	**640,980**	**125,495**	**1,581,578**	**717,399**	**161,088**	**1,496,340**
Mullets	9,902	4,492	7,062	10,821	4,908	7,636	12,208
Pollock:							
Atlantic	7,163	3,249	6,152	6,778	3,074	5,330	8,148
Walleye (Alaska)	3,388,620	1,537,068	413,273	3,363,901	1,525,855	451,180	3,231,010
Rockfishes:							
Ocean perch:							
Atlantic (redfish)	11,387	5,165	6,307	9,902	4,492	5,036	9,759
Pacific	111,775	50,701	18,919	123,787	56,150	26,420	106,271
Other	53,717	24,366	21,196	68,730	31,176	23,969	44,494
Total, rockfishes	**176,879**	**80,232**	**46,422**	**202,419**	**91,818**	**55,425**	**160,524**
Sablefish	37,783	17,138	143,424	38,740	17,573	110,448	36,260

(continued)

U.S. Commercial Landings

U.S. DOMESTIC LANDINGS, BY SPECIES, 2017 AND 2018 (1)

Species	2017			2018			Average (2013-2017)
	Thousand pounds	Metric tons	Thousand dollars	Thousand pounds	Metric tons	Thousand dollars	Thousand pounds
Salmon:							
Chinook	8,989	4,077	42,137	7,234	3,281	38,546	15,705
Chum	177,136	80,348	115,561	138,766	62,944	109,391	129,234
Coho	35,185	15,960	42,708	28,890	13,104	37,219	35,953
Pink	495,301	224,667	163,621	135,782	61,590	61,406	444,368
Sockeye	291,587	132,263	323,743	265,300	120,339	351,505	259,650
Total, salmon	**1,008,198**	**457,316**	**687,770**	**575,972**	**261,259**	**598,067**	**884,910**
Sardines:							
Pacific	744	337	61	437	198	55	39,939
Spanish	807	366	142	1,780	807	395	1,100
Scup or porgy	15,486	7,024	9,746	13,433	6,093	9,804	16,510
Sea bass:							
Black (Atlantic)	4,302	1,951	13,160	3,752	1,702	12,615	3,214
White (Pacific)	232	105	921	241	109	984	240
Sea trout or weakfish:							
Gray	191	87	349	108	49	217	218
Spotted	444	201	1,240	270	122	775	400
Sand (white)	23	10	21	19	9	17	32
Shads:							
American	593	269	422	647	294	400	580
Hickory	83	38	27	97	44	41	111
Sharks:							
Dogfish	25,150	11,408	4,207	17,212	7,808	3,525	23,804
Other	3,239	1,469	2,998	3,567	1,618	2,714	3,168
Sheepshead (Atlantic)	1,280	581	1,084	1,898	861	1,390	1,541
Skates	57,410	26,041	15,814	62,874	28,520	19,471	56,058
Smelts	391	177	269	384	174	288	522
Snappers:							
Red	6,982	3,167	28,786	6,966	3,160	29,595	6,272
Vermilion	2,494	1,131	7,496	2,259	1,025	6,991	2,431
Unclassified	3,765	1,708	12,552	2,862	1,298	10,177	3,196
Spearfish	3,308	1,500	4,676	3,118	1,414	3,953	2,994
Spot	2,361	1,071	4,425	954	433	1,504	2,819
Striped bass	5,069	2,299	23,392	4,517	2,049	19,237	5,454
Swordfish	6,428	2,916	17,798	5,383	2,442	14,394	6,411
Tenpounder (ladyfish)	1,393	632	1,105	2,020	916	1,527	1,604
Tilefish	2,785	1,263	8,803	2,467	1,119	7,673	2,882
Trout, rainbow	203	92	461	146	66	355	363

(continued)

U.S. DOMESTIC LANDINGS, BY SPECIES, 2017 AND 2018 (1)

Species	2017			2018			Average (2013-2017)
	Thousand pounds	Metric tons	Thousand dollars	Thousand pounds	Metric tons	Thousand dollars	Thousand pounds
Tuna:							
Albacore	17,079	7,747	35,885	15,676	7,110	25,668	25,152
Bigeye	19,315	8,761	73,253	18,251	8,279	74,902	18,889
Bluefin	2,892	1,312	10,136	2,112	958	11,408	2,089
Little tunny	734	333	368	482	219	293	673
Skipjack	591	268	821	2,853	1,294	1,610	681
Yellowfin	14,222	6,451	33,810	12,302	5,580	35,140	8,904
Unclassified	71	32	119	8	4	32	73
Total, tuna	**54,904**	**24,904**	**154,392**	**51,684**	**23,444**	**149,053**	**56,461**
Whitefish, Lake	5,757	2,611	8,532	5,543	2,514	9,045	6,973
Wolffish, Atlantic	-	-	-	13	6	4	-
Yellow perch	1,406	638	4,442	1,785	810	5,324	1,709
Other marine							
finfishes	41,269	18,719	83,581	30,789	13,966	42,038	41,688
Other freshwater							
finfishes	12,111	5,494	5,374	14,433	6,547	5,753	13,489
Total, fish	**8,773,469**	**3,979,619**	**2,541,922**	**8,240,663**	**3,737,940**	**2,519,507**	**8,521,382**
Shellfish							
Crustaceans:							
Crabs:							
Blue: Hard	142,388	64,587	189,762	137,403	62,325	188,389	145,147
Soft and peeler	897	407	2,677	897	407	4,721	874
Dungeness	61,293	27,802	212,678	68,316	30,988	239,336	58,262
Jonah	17,255	7,827	16,282	20,203	9,164	18,531	15,828
King	12,895	5,849	81,347	11,177	5,070	67,208	15,424
Snow (Tanner):							
Opilio	21,320	9,671	57,929	18,854	8,552	56,537	52,194
Bairdi	2,393	1,085	7,249	4,023	1,825	13,034	9,244
Other	16,137	7,320	42,453	28,148	12,768	57,156	12,234
Total, crabs	**274,578**	**124,548**	**610,377**	**289,021**	**131,099**	**644,912**	**309,207**
Crawfish (freshwater)	8,111	3,679	10,950	11,178	5,070	12,550	11,296
Lobsters:							
American	132,973	60,316	552,057	146,176	66,305	624,228	146,913
Spiny	3,973	1,802	41,817	7,068	3,206	60,075	5,461
Shrimp:							
New England	89	40	480	11	5	74	179
South Atlantic	29,671	13,459	71,383	20,336	9,224	49,724	21,947

(continued)

U.S. Commercial Landings

U.S. DOMESTIC LANDINGS, BY SPECIES, 2017 AND 2018 (1)

Species	2017			2018			Average (2013-2017)
	Thousand pounds	Metric tons	Thousand dollars	Thousand pounds	Metric tons	Thousand dollars	Thousand pounds
Gulf	216,780	98,331	425,854	215,427	97,717	393,616	197,048
Pacific	36,489	16,551	32,822	53,214	24,138	52,222	72,632
Other	243	110	438	190	86	478	89
Total, shrimp	**283,272**	**128,491**	**530,977**	**289,178**	**131,170**	**496,114**	**291,895**
Total, crustaceans	**702,907**	**318,837**	**1,746,178**	**742,621**	**336,851**	**1,837,879**	**764,772**
Mollusks:							
Clams:							
Quahog (hard)	7,278	3,301	52,975	7,190	3,261	52,793	7,682
Geoduck (Pacific)	2,305	1,046	67,390	2,658	1,206	77,372	2,511
Manila (Pacific)	363	165	6,155	1,258	571	24,922	778
Ocean quahog	31,469	14,274	29,707	32,058	14,541	30,242	31,174
Softshell	2,200	998	17,937	2,467	1,119	20,616	2,930
Surf (Atlantic)	40,162	18,217	32,723	38,180	17,318	31,445	42,017
Other	1,106	502	3,868	1,859	843	6,717	1,227
Total, clams	**84,883**	**38,503**	**210,755**	**85,670**	**38,860**	**244,107**	**88,319**
Conch (snails)	1,717	779	7,798	2,331	1,058	10,878	3,691
Mussels, blue (sea)	3,534	1,603	7,187	3,155	1,431	11,158	4,849
Oysters	31,805	14,427	236,418	30,304	13,746	258,748	34,317
Scallops:							
Bay	272	123	5,414	502	228	8,289	172
Sea	51,461	23,343	506,531	57,880	26,254	532,294	40,525
Squid:							
Atlantic:							
Illex	49,640	22,517	22,152	53,169	24,117	23,629	19,480
Loligo	17,993	8,162	25,357	25,547	11,588	38,569	27,074
Unclassified	2,294	1,041	374	3,182	1,443	488	2,328
Pacific:							
Loligo	137,482	62,362	68,635	79,729	36,165	39,348	152,032
Unclassified	-	-	-	1	-	3	-
Total, Squid	**207,409**	**94,080**	**116,518**	**161,628**	**73,314**	**102,037**	**200,914**
Total, mollusks	**381,081**	**172,857**	**1,090,621**	**341,470**	**154,890**	**1,167,511**	**372,787**
Other shellfish	24,053	10,910	19,156	23,626	10,717	21,555	19,680
Total, Shellfish	**1,108,041**	**502,604**	**2,855,955**	**1,107,717**	**502,457**	**3,026,945**	**1,157,239**
Other							
Horseshoe crab	2,756	1,250	2,188	2,035	923	1,623	2,192
Sea urchins	7,648	3,469	14,587	6,933	3,145	14,579	11,749

(continued)

U.S. DOMESTIC LANDINGS, BY SPECIES, 2017 AND 2018 (1)

Species	2017			2018			Average (2013-2017)
	Thousand pounds	Metric tons	Thousand dollars	Thousand pounds	Metric tons	Thousand dollars	Thousand pounds
Seaweed, unclassified	23,582	10,697	1,014	27,447	12,450	1,206	21,186
Kelp (with herring eggs)	-	-	-	-	-	-	17
Worms	428	194	5,759	573	260	7,544	595
Total, other	**34,414**	**15,610**	**23,548**	**36,988**	**16,778**	**24,952**	**35,739**
Grand Total, U.S.	**9,915,924**	**4,497,834**	**5,421,425**	**9,385,368**	**4,257,175**	**5,571,404**	**9,714,360**

(1) Landings are reported in round (live) weight for all items except univalve and bivalve mollusks such as clams, oysters, and scallops, which are reported in weight of meats (excluding the shell). Landings for Mississippi River drainage area states are not available.

(2) Less than 500 lb., 0.5 M.T., or $500.

Note: Totals may not add due to rounding. Data do not include landings by U.S.-flag vessels at ports outside the 50 states. Data do not include aquaculture products, except oysters and clams. Metric tons are arrived at by dividing the landings of individual species and group totals by 2.2046.

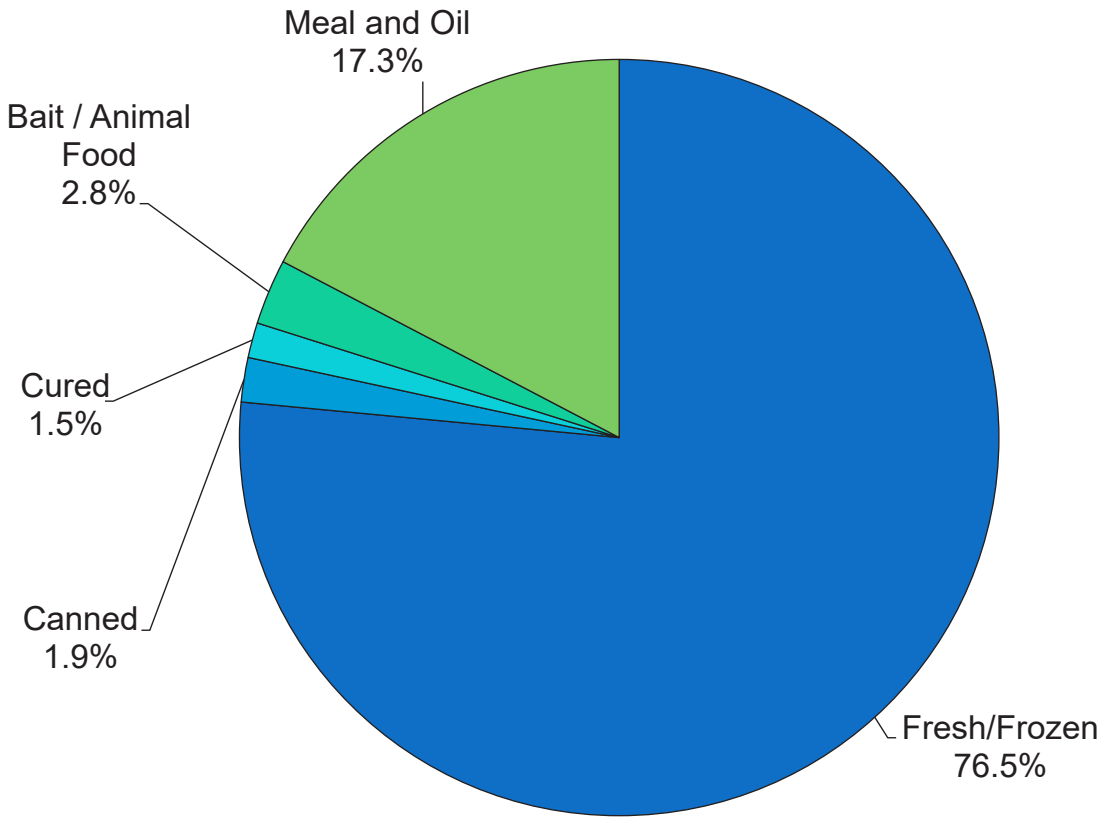
U.S. Commercial Landings

DISPOSITION OF U.S. DOMESTIC LANDINGS, 2017 AND 2018

End Use	2017			2018		
	Million pounds	Thousand metric tons	Percent	Million pounds	Thousand metric tons	Percent
Fresh and frozen:						
For human food	7,803	3,539	83.1	7,181	3,257	76.5
For bait and animal food	288	131	3.1	262	119	2.8
Total	**8,091**	**3,670**	**86.2**	**7,443**	**3,376**	**79.3**
Canned:						
For human food	289	131	3.1	180	82	1.9
For bait and animal food	-	-	0.0	-	-	0.0
Total	**289**	**131**	**3.1**	**180**	**82**	**1.9**
Cured for human food	136	62	1.4	139	63	1.5
Reduction to meal, oil, other	1,400	635	14.9	1,623	736	17.3
Grand total	**9,916**	**4,498**	**100.0**	**9,385**	**4,257**	**100.0**

Note: Table may not add due to rounding.

Disposition of U.S. Domestic Landings, 2018



U.S. COMMERCIAL LANDINGS OF FISH AND SHELLFISH, 2009-2018 (1)

Year	Landings for human food			Landings for industrial purposes (2)			Total		
	Million pounds	Thousand metric tons	Million dollars	Million pounds	Thousand metric tons	Million dollars	Million pounds	Thousand metric tons	Million dollars
2009	6,198	2,811	3,733	1,833	831	158	8,031	3,643	3,891
2010	6,526	2,960	4,356	1,705	773	164	8,231	3,734	4,520
2011	7,909	3,587	5,108	1,949	884	181	9,858	4,472	5,289
2012	7,477	3,392	4,923	2,157	978	180	9,634	4,370	5,103
2013	8,043	3,648	5,268	1,827	829	198	9,870	4,477	5,466
2014	7,828	3,551	5,256	1,658	752	192	9,486	4,303	5,448
2015	7,750	3,515	4,972	1,968	893	231	9,718	4,408	5,203
2016	7,484	3,395	5,007	2,088	947	305	9,572	4,342	5,312
2017	8,228	3,732	5,187	1,688	766	234	9,916	4,498	5,421
2018	7,500	3,402	5,322	1,885	855	249	9,385	4,257	5,571

(1) Statistics on landings are shown in round weight for all items except univalve and bivalve mollusks such as clams, oysters, and scallops, which are shown in weight of meats (excluding the shell).

(2) Processed into meal, oil, solubles, and shell products, or used as bait or animal food.

* Record. For industrial purposes 1983, 3,201 million lb.; For human food 2017, 8,228 million lb.; Total record 1993, 10,467 million lb.

NOTE: Data do not include landings outside the 50 states or products of aquaculture, except oysters and clams.

U.S. Commercial Landings

U.S. DOMESTIC LANDINGS, BY REGION AND BY STATE, 2017 AND 2018 (1)

Regions and States	2017			2018			Record Landings	
	Thousand pounds	Metric tons	Thousand dollars	Thousand pounds	Metric tons	Thousand dollars	Year	Thousand pounds
New England:	**555,661**	**252,046**	**1,266,061**	**571,709**	**259,326**	**1,394,365**	**-**	**-**
Maine	208,677	94,655	511,315	228,365	103,586	587,381	1950	356,266
New Hampshire	10,621	4,818	35,011	9,844	4,465	38,431	2003	27,435
Massachusetts	242,137	109,832	605,250	241,276	109,442	647,179	1948	649,696
Rhode Island	84,108	38,151	100,768	81,089	36,782	105,149	1957	142,080
Connecticut	10,118	4,590	13,717	11,135	5,051	16,225	1930	88,012
Middle Atlantic:	**620,317**	**281,374**	**508,062**	**627,913**	**284,819**	**473,233**	**-**	**-**
New York	24,741	11,222	47,767	22,606	10,254	46,988	1880	335,000
New Jersey	198,602	90,085	190,549	190,500	86,410	170,261	1956	540,060
Delaware	4,729	2,145	9,140	5,275	2,393	10,535	1953	367,500
Maryland	48,281	21,900	77,403	47,052	21,343	68,410	1890	141,607
Virginia	343,964	156,021	183,203	362,480	164,420	177,039	1990	786,794
South Atlantic:	**121,932**	**55,308**	**223,451**	**109,102**	**49,488**	**179,308**	**-**	**-**
North Carolina	62,587	28,389	97,306	54,801	24,858	78,349	1981	432,006
South Carolina	15,744	7,141	25,495	8,677	3,936	21,380	1965	26,611
Georgia	9,416	4,271	16,834	7,391	3,353	16,438	1927	47,607
Florida, East Coast	34,185	15,506	83,816	38,233	17,342	63,141	1952	264,561 (4)
Gulf:	**1,385,574**	**628,492**	**855,590**	**1,540,948**	**698,969**	**887,357**	**-**	**-**
Florida, West Coast	64,859	29,420	182,359	67,908	30,803	186,307	1952	264,561 (4)
Alabama	31,396	14,241	64,532	35,524	16,114	67,732	1973	36,744
Mississippi	311,027	141,081	30,425	320,265	145,271	45,575	1984	476,997
Louisiana	890,575	403,962	354,301	1,033,345	468,722	377,127	1984	1,931,027
Texas	87,717	39,788	223,973	83,906	38,060	210,616	1960	237,684
Pacific Coast:	**7,181,926**	**3,257,700**	**2,435,113**	**6,487,258**	**2,942,601**	**2,500,309**	**-**	**-**
Alaska	6,004,883	2,723,796	1,764,462	5,403,751	2,451,125	1,781,999	2015	6,038,185
Washington (5)	665,895	302,048	313,747	590,396	267,802	346,440	2016	551,860
Oregon	296,485	134,484	147,058	308,958	140,142	174,287	2013	339,614
California	214,663	97,371	209,846	184,153	83,531	197,583	1936	1,760,193
Great Lakes (3):	**13,352**	**6,056**	**16,780**	**12,944**	**5,871**	**17,716**	**-**	**-**
Illinois	-	-	-	-	-	-	-	(2)
Michigan	6,201	2,813	8,146	5,493	2,492	8,302	1930	35,580
Minnesota	245	111	214	210	95	219	-	(2)
New York	82	37	192	82	37	180	-	(2)
Ohio	4,086	1,853	4,983	4,401	1,996	5,729	1936	31,083
Pennsylvania	68	31	231	65	29	215	-	(2)
Wisconsin	2,670	1,211	3,014	2,693	1,222	3,071	-	(2)
Hawaii	37,162	16,857	116,368	35,494	16,100	119,116	2017	37,162
Total, United States	**9,915,924**	**4,497,834**	**5,421,425**	**9,385,368**	**4,257,175**	**5,571,404**	**---**	**---**

(1) Landings are reported in round (live) weight for all items except univalve and bivalve mollusks such as clams, oysters, and scallops, which are reported in weight of meats (excluding the shell).
(2) Data not available.
(3) Data for the Great Lakes states lag by one year - i.e. data for 2016 (under 2017) and 2017 (under 2018) are in this table.
(4) Record landings for Florida is for all of Florida. Highest Florida landings since 1950 by coast: East - 163,426 (1951), West - 145,659 (1989).
(5) Washington landings include at-sea processors.
NOTE: Data are preliminary. Totals may not add due to rounding. Data do not include landings by U.S.-flag vessels at Puerto Rico and other ports outside the 50 States. Therefore, they will not agree with the U.S. Commercial Landings by Distance from Shore table beginning on page 14.

COMMERCIAL FISHERY LANDINGS AND VALUE AT MAJOR U.S. PORTS, 2017 AND 2018

Port	Quantity		Port	Value	
	2017	2018		2017	2018
	Million pounds			Million dollars	
Dutch Harbor, AK	769	763	New Bedford, MA	390	431
Empire-Venice, LA	294	569	Naknek, AK	154	195
Aleutian Islands (Other), AK	552	539	Dutch Harbor, AK	173	182
Kodiak, AK	530	391	Empire-Venice, LA	100	148
Reedville, VA	320	353	Aleutian Islands (Other), AK	106	116
Intracoastal City, LA	198	328	Honolulu, HI	104	106
Pascagoula-Moss Point, MS	301	310	Bristol Bay (Other), AK	64	104
Naknek, AK	187	191	Kodiak, AK	152	104
Alaska Penninsula (Other), AK	268	155	Key West, FL	58	73
Astoria, OR	151	138	Cape May-Wildwood, NJ	81	66
Newport, OR	112	123	Point Judith, RI	57	64
Westport, WA	150	122	Bayou La Batre, AL	59	63
New Bedford, MA	111	114	Newport, OR	53	62
Cape May-Wildwood, NJ	102	101	Alaska Penninsula (Other), AK	112	61
Bristol Bay (Other), AK	43	70	Sitka, AK	75	61
Cordova, AK	99	59	Galveston, TX	55	60
Gloucester, MA	64	59	Stonington, ME	56	60
Point Judith, RI	44	48	Cordova, AK	65	55
Portland, ME	49	46	Hampton Roads Area, VA	58	55
Sitka, AK	91	46	Gloucester, MA	53	53
Point Pleasant, NJ	38	43	Brownsville-Port Isabel, TX	63	51
Moss Landing, CA	10	38	Dulac-Chauvin, LA	56	47
Ketchikan, AK	77	38	Petersburg, AK	52	45
Petersburg, AK	65	35	Seward, AK	60	44
Dulac-Chauvin, LA	37	34	Palacios, TX	49	43
Bayou La Batre, AL	28	32	Astoria, OR	40	40
Honolulu, HI	34	32	Vinalhaven, ME	37	39
Port Hueneme-Oxnard-Ventura, CA	91	31	Reedville, VA	33	36
Los Angeles, CA	43	29	Portland, ME	31	36
Seward, AK	51	29	Port Arthur, TX	37	36
Monterey, CA	14	25	Ketchikan, AK	46	36
Coos Bay-Charleston, OR	19	25	Delacroix-Yscloskey, LA	26	36
Atlantic City, NJ	25	25	Provincetown-Chatham, MA	34	35
Rockland, ME	23	23	Coos Bay-Charleston, OR	28	34
North Kingstown, RI	27	23	Point Pleasant, NJ	35	32
Provincetown-Chatham, MA	22	23	Shelton, WA	16	32
Galveston, TX	19	20	Tampa Bay-St. Petersburg, FL	39	31
Brownsville-Port Isabel, TX	23	20	Intracoastal City, LA	32	30
Golden Meadow-Leeville, LA	15	20	Westport, WA	64	29
Palacios, TX	20	19	Crescent City, CA	7	28
St. Augustine, FL	7	18	Pascagoula-Moss Point, MS	11	27
Grand Isle, LA	18	18	Golden Meadow-Leeville, LA	25	27
Stonington, ME	18	18	Newington, NH	25	27
Port Arthur, TX	17	17	Long Beach-Barnegat, NJ	25	24
Kenai, AK	32	17	Friendship, ME	19	24
Boston, MA	16	17	Port Hueneme-Oxnard-Ventura, CA	53	24
Wanchese-Stumpy Point, NC	16	16	Beals Island, ME	21	24
Key West, FL	15	16	Juneau, AK	28	21
Delacroix-Yscloskey, LA	12	16	Bellingham, WA	23	21
Tampa Bay-St. Petersburg, FL	14	15	Eureka, CA	10	21

Notes: Certain leading ports have not been included to avoid disclosure of private enterprise information.

Some Alaskan ports are grouped together to protect confidential information. The procedure for doing this was updated for the 2012 edition of FUS. Direct comparison to prior editions of FUS will not be possible.

The record landings for quantity; Dutch Harbor - Unalaska, AK - 787.4 million pounds in 2015 and for value; New Bedford, MA - $ 411.1 million in 2012.

COMMERCIAL LANDINGS OF FISH AND SHELLFISH BY U.S. FISHING CRAFT: BY SPECIES, BY DISTANCE CAUGHT OFF U.S. SHORES, AND IN INTERNATIONAL WATERS, 2018 (1)

Species	Distance from U.S. Shores						High Seas or off Foreign Shores			Total U.S. Landings		
	0 to 3 miles			3 to 200 miles								
	Thousand pounds	Metric tons	Thousand dollars	Thousand pounds	Metric tons	Thousand dollars	Thousand pounds	Metric tons	Thousand dollars	Thousand pounds	Metric tons	Thousand dollars
Fish												
Alewife	2,013	913	688	4	2	-	-	-	-	2,017	915	688
Anchovies	38,271	17,360	1,976	1	1	1	-	-	-	38,272	17,360	1,977
Atka mackerel	303	137	85	156,420	70,952	55,355	-	-	-	156,723	71,089	55,440
Bluefish	1,252	568	1,085	1,299	589	1,240	-	-	-	2,551	1,157	2,325
Blue runner	162	74	128	164	75	152	-	-	-	326	148	280
Bonito	107	48	62	1,427	647	487	-	-	-	1,534	696	549
Butterfish	337	153	285	3,711	1,683	2,571	-	-	-	4,048	1,836	2,856
Catfish & bullheads	12,841	5,824	6,992	-	-	-	-	-	-	12,841	5,825	6,992
Chubs	118	54	263	-	-	-	-	-	-	118	54	263
Cod:												
Atlantic	88	40	195	2,064	936	4,582	-	-	-	2,152	976	4,777
Pacific	62,096	28,167	25,797	450,645	204,411	213,295	-	-	-	512,741	232,578	239,092
Crevalle (jack)	641	291	541	20	9	15	-	-	-	661	300	556
Croaker:												
Atlantic	1,865	846	3,417	2,488	1,129	2,649	-	-	-	4,353	1,975	6,066
Pacific (white)	12	5	9	35	16	27	-	-	-	47	21	36
Cusk	3	1	2	53	24	27	-	-	-	56	25	29
Dolphinfish	222	101	657	1,006	456	3,288	374	170	1,264	1,602	727	5,209
Eel, American	746	338	23,373	17	8	34	-	-	-	763	346	23,407
Flatfish:												
Atlantic and Gulf												
American plaice	33	15	73	2,411	1,094	5,211	-	-	-	2,444	1,109	5,284
Summer flounder	726	329	3,309	5,459	2,476	23,090	-	-	-	6,185	2,805	26,399
Winter flounder	204	93	612	1,771	803	5,315	-	-	-	1,975	896	5,927
Witch flounder	16	7	30	1,304	591	2,466	-	-	-	1,320	599	2,496
Yellowtail flounder	47	21	49	934	424	1,009	-	-	-	981	445	1,058
Other	1,137	516	4,552	1,050	476	228	-	-	-	2,187	992	4,780
Total Atlantic/Gulf	**2,163**	**981**	**8,625**	**12,929**	**5,865**	**37,319**	**-**	**-**	**-**	**15,092**	**6,846**	**45,944**

(continued)

COMMERCIAL LANDINGS OF FISH AND SHELLFISH BY U.S. FISHING CRAFT: BY SPECIES, BY DISTANCE CAUGHT OFF U.S. SHORES, AND IN INTERNATIONAL WATERS, 2018 (1)

Species	Distance from U.S. Shores						High Seas or off Foreign Shores			Total U.S. Landings		
	0 to 3 miles			3 to 200 miles								
	Thousand pounds	Metric tons	Thousand dollars	Thousand pounds	Metric tons	Thousand dollars	Thousand pounds	Metric tons	Thousand dollars	Thousand pounds	Metric tons	Thousand dollars
Pacific												
Arrowtooth flounder	126	57	14	52,382	23,760	7,735	-	-	-	52,508	23,817	7,749
Dover sole	655	297	296	13,012	5,902	5,857	-	-	-	13,667	6,199	6,153
Flathead sole	82	37	12	27,212	12,343	5,505	-	-	-	27,294	12,380	5,517
Petrale sole	642	291	739	5,626	2,552	6,563	-	-	-	6,268	2,843	7,302
Rock sole	36	16	7	64,210	29,125	12,295	-	-	-	64,246	29,142	12,302
Yellowfin sole	-	-	-	280,717	127,332	49,351	-	-	-	280,717	127,332	49,351
Other	440	200	1,478	64,838	29,410	17,439	-	-	-	65,278	29,610	18,917
Total Pacific	**1,981**	**899**	**2,546**	**507,997**	**230,426**	**104,745**	**-**	**-**	**-**	**509,978**	**231,325**	**107,291**
Halibut	6,768	3,070	27,538	15,161	6,877	61,780	-	-	-	21,929	9,947	89,318
Total flatfish	**10,912**	**4,950**	**38,709**	**536,087**	**243,167**	**203,844**	**-**	**-**	**-**	**546,999**	**248,117**	**242,553**
Goosefish (monkfish)	671	304	464	22,284	10,108	14,380	-	-	-	22,955	10,412	14,844
Groupers	243	110	1,344	5,016	2,275	21,336	-	-	-	5,259	2,385	22,680
Haddock	2,300	1,043	2,100	12,155	5,514	11,255	-	-	-	14,455	6,557	13,354
Hakes:												
Pacific (whiting)	-	-	-	686,598	311,439	53,705	-	-	-	686,598	311,439	53,705
Red	57	26	26	1,036	470	444	-	-	-	1,093	496	470
Silver (Atl. whiting)	595	270	552	10,798	4,898	9,078	-	-	-	11,393	5,168	9,630
White	12	6	13	4,412	2,001	4,218	-	-	-	4,424	2,007	4,231
Herring:												
Sea:												
Atlantic	13,269	6,019	5,444	84,817	38,473	20,182	-	-	-	98,086	44,492	25,626
Pacific	9,978	4,526	4,564	37,728	17,113	2,415	-	-	-	47,706	21,639	6,979
Thread	998	453	265	298	135	71	-	-	-	1,296	588	335
Jack mackerel	140	64	26	99	45	1	-	-	-	239	108	27
Lingcod	756	343	1,099	1,206	547	1,626	-	-	-	1,962	890	2,725
Mackerels:												
Atlantic	568	258	132	18,686	8,476	4,237	-	-	-	19,254	8,734	4,369
Chub	5,317	2,412	957	231	105	43	-	-	-	5,548	2,517	1,000
King and cero	560	254	1,334	5,239	2,376	11,547	-	-	-	5,799	2,630	12,881
Spanish	3,635	1,649	3,505	1,290	585	1,563	-	-	-	4,925	2,234	5,068

(continued)

COMMERCIAL LANDINGS OF FISH AND SHELLFISH BY U.S. FISHING CRAFT: BY SPECIES, BY DISTANCE CAUGHT OFF U.S. SHORES, AND IN INTERNATIONAL WATERS, 2018 (1)

Species	Distance from U.S. Shores						High Seas or off Foreign Shores			Total U.S. Landings		
	0 to 3 miles			3 to 200 miles								
	Thousand pounds	Metric tons	Thousand dollars	Thousand pounds	Metric tons	Thousand dollars	Thousand pounds	Metric tons	Thousand dollars	Thousand pounds	Metric tons	Thousand dollars
Menhaden:												
Atlantic	327,087	148,366	34,462	88,332	40,067	10,062				415,419	188,433	44,524
Gulf	1,160,486	526,393	116,028	5,673	2,573	536				1,166,159	528,966	116,564
Total menhaden	**1,487,573**	**674,759**	**150,490**	**94,005**	**42,640**	**10,598**	**-**	**-**	**-**	**1,581,578**	**717,399**	**161,088**
Mullets	10,700	4,853	7,544	121	55	92	-	-	-	10,821	4,908	7,636
Pollock:												
Atlantic	74	34	60	6,704	3,041	5,270	-	-	-	6,778	3,074	5,330
Walleye (Alaska)	36,138	16,392	4,183	3,327,763	1,509,464	446,998	-	-	-	3,363,901	1,525,855	451,180
Rockfishes:												
Ocean perch:												
Atlantic (redfish)	-	-	-	9,902	4,492	5,036	-	-	-	9,902	4,492	5,036
Pacific	1,124	510	242	122,663	55,640	26,178	-	-	-	123,787	56,149	26,420
Other	1,579	716	2,357	67,151	30,460	21,612	-	-	-	68,730	31,176	23,969
Total rockfishes	**2,703**	**1,226**	**2,599**	**199,716**	**90,591**	**52,826**	**-**	**-**	**-**	**202,419**	**91,817**	**55,425**
Sablefish	2,273	1,031	7,341	36,467	16,541	103,107	-	-	-	38,740	17,572	110,448
Salmon:												
Chinook or king	4,988	2,262	26,019	2,246	1,019	12,527	-	-	-	7,234	3,281	38,546
Chum or keta	76,868	34,867	69,948	61,898	28,077	39,443	-	-	-	138,766	62,944	109,391
Coho	12,468	5,655	19,698	16,422	7,449	17,521	-	-	-	28,890	13,104	37,219
Pink	31,098	14,106	11,805	104,684	47,484	49,601	-	-	-	135,782	61,590	61,406
Sockeye	10,370	4,704	20,910	254,930	115,635	330,595	-	-	-	265,300	120,339	351,505
Total salmon	**135,792**	**61,595**	**148,380**	**440,180**	**199,664**	**449,687**	**-**	**-**	**-**	**575,972**	**261,259**	**598,067**
Sardines:												
Pacific	419	190	53	18	8	2	-	-	-	437	198	55
Spanish	1,760	798	388	20	9	7	-	-	-	1,780	807	395
Scup or porgy	4,275	1,939	3,012	9,158	4,154	6,792	-	-	-	13,433	6,093	9,804
Sea bass:												
Black (Atlantic)	837	380	2,742	2,915	1,322	9,873	-	-	-	3,752	1,702	12,615
White (Pacific)	80	36	325	161	73	659	-	-	-	241	109	984
Sea trout or weakfish:												
Gray	46	21	88	62	28	129	-	-	-	108	49	217
Spotted	249	113	717	21	9	58	-	-	-	270	122	775
Sand (white)	15	7	15	4	2	3	-	-	-	19	9	17

(continued)

COMMERCIAL LANDINGS OF FISH AND SHELLFISH BY U.S. FISHING CRAFT: BY SPECIES, BY DISTANCE CAUGHT OFF U.S. SHORES, AND IN INTERNATIONAL WATERS, 2018 (1)

Species	Distance from U.S. Shores						High Seas or off Foreign Shores			Total U.S. Landings		
	0 to 3 miles			3 to 200 miles								
	Thousand pounds	Metric tons	Thousand dollars	Thousand pounds	Metric tons	Thousand dollars	Thousand pounds	Metric tons	Thousand dollars	Thousand pounds	Metric tons	Thousand dollars
Shads:												
American	538	244	374	109	49	26	-	-	-	647	293	400
Hickory	96	44	40	1	-	1	-	-	-	97	44	41
Sharks:												
Dogfish	2,920	1,325	582	14,292	6,483	2,943	-	-	-	17,212	7,807	3,525
Other	1,053	478	453	2,419	1,097	2,193	95	43	68	3,567	1,618	2,714
Sheepshead (Atlantic)	1,841	835	1,327	57	26	63	-	-	-	1,898	861	1,390
Skates	4,194	1,903	1,129	58,678	26,616	18,341	2	1	1	62,874	28,519	19,471
Smelts	292	132	222	93	42	66	-	-	-	385	175	288
Snappers:												
Red	881	399	3,319	6,085	2,760	26,276	-	-	-	6,966	3,160	29,595
Vermilion	325	148	1,197	1,934	877	5,794	-	-	-	2,259	1,025	6,991
Unclassified	641	291	2,255	2,221	1,007	7,922	-	-	-	2,862	1,298	10,177
Spearfish	17	8	22	1,243	564	1,567	1,858	843	2,365	3,118	1,414	3,953
Spot	639	290	1,044	315	143	460	-	-	-	954	433	1,504
Striped bass	4,517	2,049	19,237	-	-	-	-	-	-	4,517	2,049	19,237
Swordfish	696	316	2,089	2,335	1,059	7,037	2,352	1,067	5,268	5,383	2,442	14,394
Tenpounder (ladyfish)	2,015	914	1,524	5	2	3	-	-	-	2,020	916	1,527
Tilefish	124	56	411	2,343	1,063	7,262	-	-	-	2,467	1,119	7,673
Trout, rainbow	146	66	354	-	-	-	-	-	-	146	66	355
Tuna:												
Albacore	159	72	227	15,345	6,960	25,143	2,673	1,212	4,236	18,177	8,245	29,605
Bigeye	58	26	228	4,684	2,125	20,063	19,157	8,690	58,531	23,899	10,841	78,822
Bluefin	61	27	218	2,048	929	11,178	4	2	12	2,113	958	11,408
Little tunny	89	40	63	393	178	230	-	-	-	482	219	293
Skipjack	534	242	224	2,135	969	1,097	382,336	173,426	265,504	385,005	174,637	266,825
Yellowfin	911	413	1,262	7,726	3,504	20,768	54,455	24,701	48,358	63,092	28,618	70,388
Unclassified	2	1	6	5	2	13	2	1	13	9	4	32
Total tuna	**1,814**	**823**	**2,228**	**32,336**	**14,668**	**78,492**	**458,627**	**208,032**	**376,654**	**492,777**	**223,522**	**457,374**
Whitefish, lake	5,543	2,514	9,045	-	-	-	-	-	-	5,543	2,514	9,045
Wolffish, Atlantic	-	-	-	13	6	4	-	-	-	13	6	4
Yellow perch	1,784	809	5,323	-	-	1	-	-	-	1,785	810	5,324
Other marine finfishes	15,355	6,965	19,541	10,990	4,985	14,584	4,444	2,016	7,913	30,789	13,966	42,038
Other freshwater finfishes	14,372	6,573	5,735	61	28	18	-	-	-	14,433	6,547	5,753
Total finfish	**1,913,825**	**868,105**	**531,477**	**6,300,179**	**2,857,742**	**1,902,822**	**467,752**	**212,171**	**393,533**	**8,681,756**	**3,938,019**	**2,827,832**

(continued)

COMMERCIAL LANDINGS OF FISH AND SHELLFISH BY U.S. FISHING CRAFT: BY SPECIES, BY DISTANCE CAUGHT OFF U.S. SHORES, AND IN INTERNATIONAL WATERS, 2018 (1)

Species	Distance from U.S. Shores						High Seas or off Foreign Shores			Total U.S. Landings		
	0 to 3 miles			3 to 200 miles								
	Thousand pounds	Metric tons	Thousand dollars	Thousand pounds	Metric tons	Thousand dollars	Thousand pounds	Metric tons	Thousand dollars	Thousand pounds	Metric tons	Thousand dollars
Shellfish												
Crustaceans:												
Crabs:												
Blue: Hard	133,611	60,605	184,290	3,792	1,720	4,099	-	-	-	137,403	62,325	188,389
Soft or peeler	897	407	4,718	-	-	3	-	-	-	897	407	4,721
Dungeness	60,837	27,595	213,896	7,479	3,392	25,440	-	-	-	68,316	30,988	239,336
Jonah	6,172	2,800	5,610	14,031	6,365	12,921	-	-	-	20,203	9,164	18,531
King	1,032	468	4,989	10,145	4,602	62,219	-	-	-	11,177	5,070	67,208
Snow (tanner):												
Opilio	-	-	-	18,854	8,552	56,537	-	-	-	18,854	8,552	56,537
Bairdi	1,653	750	5,253	2,370	1,075	7,781	-	-	-	4,023	1,825	13,034
Other	22,060	10,006	36,144	6,088	2,762	21,012	-	-	-	28,148	12,768	57,156
Total crabs	**226,262**	**102,632**	**454,900**	**62,759**	**28,467**	**190,012**	**-**	**-**	**-**	**289,021**	**131,099**	**644,912**
Crawfish, freshwater	11,178	5,070	12,550	-	-	-	-	-	-	11,178	5,070	12,550
Lobsters:												
American	90,091	40,865	380,263	56,085	25,440	243,965	-	-	-	146,176	66,305	624,228
Spiny	4,953	2,247	41,013	2,115	959	19,062	-	-	-	7,068	3,206	60,075
Shrimp:												
New England	3	1	26	8	4	48	-	-	-	11	5	74
South Atlantic	12,388	5,619	28,915	7,948	3,605	20,809	-	-	-	20,336	9,224	49,724
Gulf	91,500	41,504	124,256	123,927	56,213	269,360	-	-	-	215,427	97,717	393,616
Pacific	11,306	5,128	12,234	41,908	19,010	39,988	-	-	-	53,214	24,138	52,222
Other	99	45	224	91	41	254	-	-	-	190	86	478
Total shrimp	**115,296**	**52,298**	**165,655**	**173,882**	**78,872**	**330,459**	**-**	**-**	**-**	**289,178**	**131,170**	**496,114**
Total crustaceans	**447,780**	**203,112**	**1,054,381**	**294,841**	**133,739**	**783,498**	**-**	**-**	**-**	**742,621**	**336,851**	**1,837,879**
Mollusks:												
Clams:												
Quahog (hard)	7,139	3,238	52,244	51	23	549	-	-	-	7,190	3,261	52,793
Geoduck (Pacific)	2,658	1,206	77,372	-	-	-	-	-	-	2,658	1,206	77,372
Manila (Pacific)	1258	571	24,922	-	-	-	-	-	-	1,258	571	24,922
Ocean quahog	2,079	943	2,133	29,979	13,598	28,109	-	-	-	32,058	14,541	30,242

(continued)

COMMERCIAL LANDINGS OF FISH AND SHELLFISH BY U.S. FISHING CRAFT: BY SPECIES, BY DISTANCE CAUGHT OFF U.S. SHORES, AND IN INTERNATIONAL WATERS, 2018 (1)

Species	Distance from U.S. Shores						High Seas or off Foreign Shores			Total U.S. Landings		
	0 to 3 miles			3 to 200 miles								
	Thousand pounds	Metric tons	Thousand dollars	Thousand pounds	Metric tons	Thousand dollars	Thousand pounds	Metric tons	Thousand dollars	Thousand pounds	Metric tons	Thousand dollars
Softshell	2,394	1,086	19,969	73	33	647	-	-	-	2,467	1,119	20,616
Surf (Atlantic)	8,407	3,813	7,586	29,773	13,505	23,859	-	-	-	38,180	17,318	31,445
Other	1,859	843	6,714	-	-	3	-	-	-	1,859	843	6,717
Total clams	**25,794**	**11,700**	**190,940**	**59,876**	**27,160**	**53,167**	**-**	**-**	**-**	**85,670**	**38,860**	**244,107**
Conch (snails)	2,230	1,012	10,464	101	46	414	-	-	-	2,331	1,058	10,878
Mussels, blue (sea)	3,076	1,395	11,025	79	36	133	-	-	-	3,155	1,431	11,158
Oysters	30,227	13,711	257,646	77	35	1,102	-	-	-	30,304	13,746	258,748
Scallops:												
Bay	501	227	8,283	1	-	6	-	-	-	502	228	8,289
Sea	783	355	7,631	57,097	25,899	524,663	-	-	-	57,880	26,254	532,294
Squid:												
Atlantic:												
Illex	365	165	182	52,804	23,952	23,447	-	-	-	53,169	24,117	23,629
Loligo	3,120	1,415	4,927	22,427	10,173	33,642	-	-	-	25,547	11,588	38,569
Unclassified	46	21	47	3,136	1,423	441	-	-	-	3,182	1,443	488
Pacific:												
Loligo	71,387	32,381	35,549	8,342	3,784	3,799	-	-	-	79,729	36,165	39,348
Unclassified	1	-	3	-	-	-	-	-	-	1	-	3
Total squid	**74,919**	**33,983**	**40,708**	**86,709**	**39,331**	**61,329**	**-**	**-**	**-**	**161,628**	**73,314**	**102,037**
Total mollusks	**137,530**	**62,383**	**526,697**	**203,940**	**92,507**	**640,814**	**-**	**-**	**-**	**341,470**	**154,890**	**1,167,511**
Other shellfish	19,124	8,675	19,859	4,502	2,042	1,696	-	-	-	23,626	10,717	21,555
Total shellfish	**604,434**	**274,169**	**1,600,937**	**503,283**	**228,288**	**1,426,008**	**-**	**-**	**-**	**1,107,717**	**502,457**	**3,026,945**
Other												
Horseshoe crab	1,798	816	1,405	237	108	218	-	-	-	2,035	923	1,623
Sea urchins	5,664	2,569	12,331	1,269	575	2,248	-	-	-	6,933	3,145	14,579

(continued)

COMMERCIAL LANDINGS OF FISH AND SHELLFISH BY U.S. FISHING CRAFT: BY SPECIES, BY DISTANCE CAUGHT OFF U.S. SHORES, AND IN INTERNATIONAL WATERS, 2018 (1)

Species	Distance from U.S. Shores						High Seas or off Foreign Shores			Total U.S. Landings		
	0 to 3 miles			3 to 200 miles								
	Thousand pounds	Metric tons	Thousand dollars	Thousand pounds	Metric tons	Thousand dollars	Thousand pounds	Metric tons	Thousand dollars	Thousand pounds	Metric tons	Thousand dollars
Seaweed, unclassified	25,072	11,373	1,015	2,375	1,077	191	-	-	-	27,447	12,450	1,206
Kelp (with herring eggs)	-	-	-	-	-	-	-	-	-	-	-	-
Worms	573	260	7,544	-	-	-	-	-	-	573	260	7,544
Total other	**33,107**	**15,017**	**22,295**	**3,881**	**1,760**	**2,657**	**-**	**-**	**-**	**36,988**	**16,778**	**24,952**
Grand total, 2018	**2,551,366**	**1,157,292**	**2,154,709**	**6,807,343**	**3,087,791**	**3,331,487**	**467,752**	**212,171**	**393,533**	**9,826,461**	**4,457,253**	**5,879,729**
Grand total, 2017	**2,290,614**	**1,039,016**	**1,906,331**	**7,596,778**	**3,445,876**	**3,428,544**	**448,622**	**203,494**	**359,437**	**10,336,014**	**4,688,385**	**5,694,312**

(1) Landings are reported in round (live) weight for all items except univalve and bivalve mollusks, such as clams, oysters, and scallops, which are in weight of meats (excluding the shell). The National Marine Fisheries Service estimated the distance-from-shore landings for data collected by the Service and States. Includes landings from the Great Lakes and other inland waters, but excludes Mississippi River drainage area states.

(2) Less than 500 lb. or $500.

NOTE: Totals may not agree due to rounding. Data include landings by U.S.-flag vessels in Canada, Puerto Rico, and other ports outside the 50 States. Therefore, they will not agree with "U.S. Commercial Landings" tables beginning on page 1. Data do not include aquaculture products except oysters or clams.

DOMESTIC LANDINGS FOR U.S. TERRITORIAL POSSESSIONS, 2018

Group / Species	American Samoa			Guam			Northern Marianas Islands		
	Pounds	Kilos	Dollars	Pounds	Kilos	Dollars	Pounds	Kilos	Dollars
Fish									
Barracudas	1,220	553	2,870	369	167	824	-	-	-
Billfishes:									
Marlin	2,692	1,221	4,648	9,066	4,112	15,639	374	170	972
Sailfish	1,590	721	4,062	384	174	799	109	49	272
Swordfish	8,548	3,877	28,090	-	-	-	-	-	-
Spearfish	13,046	5,918	16,273	35	16	61	-	-	-
Dolphinfish	8,674	3,935	19,783	13,296	6,031	33,877	13,634	6,184	38,493
Emperors	4,306	1,953	13,254	4,943	2,242	10,532	2,499	1,134	6,308
Goatfish	62	28	189	1,003	455	2,705	1,088	494	2,695
Groupers	2,647	1,201	8,060	1,419	644	3,541	641	291	2,037
Jacks:									
Amberjack	93	42	295	501	227	1,674	301	137	891
Bigeye scad	-	-	-	5,859	2,658	16,856	1,268	575	3,927
Black jack	684	310	2,121	79	36	198	110	50	378
Rainbow runner	126	57	456	1,196	543	2,773	1,305	592	3,234
Other	593	269	1,747	407	185	1,207	310	141	812
Parrotfishes	8,610	3,905	26,834	22,219	10,078	62,358	2,738	1,242	9,534
Rabbitfish	23	10	68	8,595	3,899	27,345	2,059	934	7,078
Snappers:									
Blue lined snapper	503	228	1,535	-	-	-	-	-	-
Ehu	1,147	520	4,863	246	112	1,178	55	25	248
Gindai (flower snapper)	139	63	415	425	193	1,981	53	24	231
Gray jobfish	1,778	806	5,631	64	29	209	148	67	399
Humpback	1,586	719	4,989	-	-	-	-	-	-
Lehi (silverjaw)	1,589	721	5,469	231	105	1,047	509	231	1,895
Onaga	3,684	1,671	14,434	945	429	6,270	2,258	1,024	13,732
Opakapaka	298	135	1,059	205	93	873	10	5	45
Snappers, other	1,593	723	4,576	2,627	1,192	7,843	38	17	177
Total snappers	**12,317**	**5,586**	**42,971**	**4,743**	**2,153**	**19,401**	**3,071**	**1,393**	**16,727**
Squirrelfish	1,334	605	4,024	717	325	1,628	338	153	845
Surgeonfishes:									
Unicornfishes	3,726	1,690	11,216	16,257	7,374	46,793			
Other	17,722	8,039	53,137	3,522	1,598	8,342	2,591	1,175	6,569
Tunas:									
Albacore	3,129,982	1,419,751	4,394,018	-	-	-	-	-	-
Bigeye	102,726	46,596	70,243	-	-	-	-	-	-
Skipjack	160,764	72,922	132,194	42,307	19,190	100,783	121,688	55,197	288,567
Yellowfin	560,819	254,386	498,152	10,100	4,581	25,979	12,610	5,720	33,434
Other	1,417	643	4,388	2,666	1,209	5,673	6,347	2,879	15,699
Total, tuna	**3,955,708**	**1,794,298**	**5,098,995**	**55,073**	**24,980**	**132,435**	**140,645**	**63,796**	**337,700**
Wahoo	75,907	34,431	76,334	14,850	6,736	38,103	658	298	1,896
Wrasses	22	10	71	622	282	3,110	23	10	57
Other marine finfishes	9,201	4,174	23,549	33,372	15,137	108,388	19,801	8,982	53,804
Total fish	**4,128,851**	**1,872,833**	**5,439,047**	**198,527**	**90,052**	**538,589**	**193,563**	**87,800**	**494,229**
Shellfish, et al.									
Crabs									
Lobster, spiny	744	337	2,417	894	406	4,226	83	38	926
Octopus	22	10	50	4,220	1,914	15,660	4	2	9
Shelfish, other	-	-	-	1,087	493	1,087	119	54	1,446
Total shellfish, et al.	**766**	**347**	**2,467**	**6,201**	**2,813**	**20,973**	**206**	**93**	**2,381**
Grand Total	**4,129,617**	**1,873,182**	**5,441,514**	**204,728**	**92,864**	**559,562**	**193,769**	**87,893**	**496,610**

(1) All landings are as reported. No adjustments or estimations have been made.

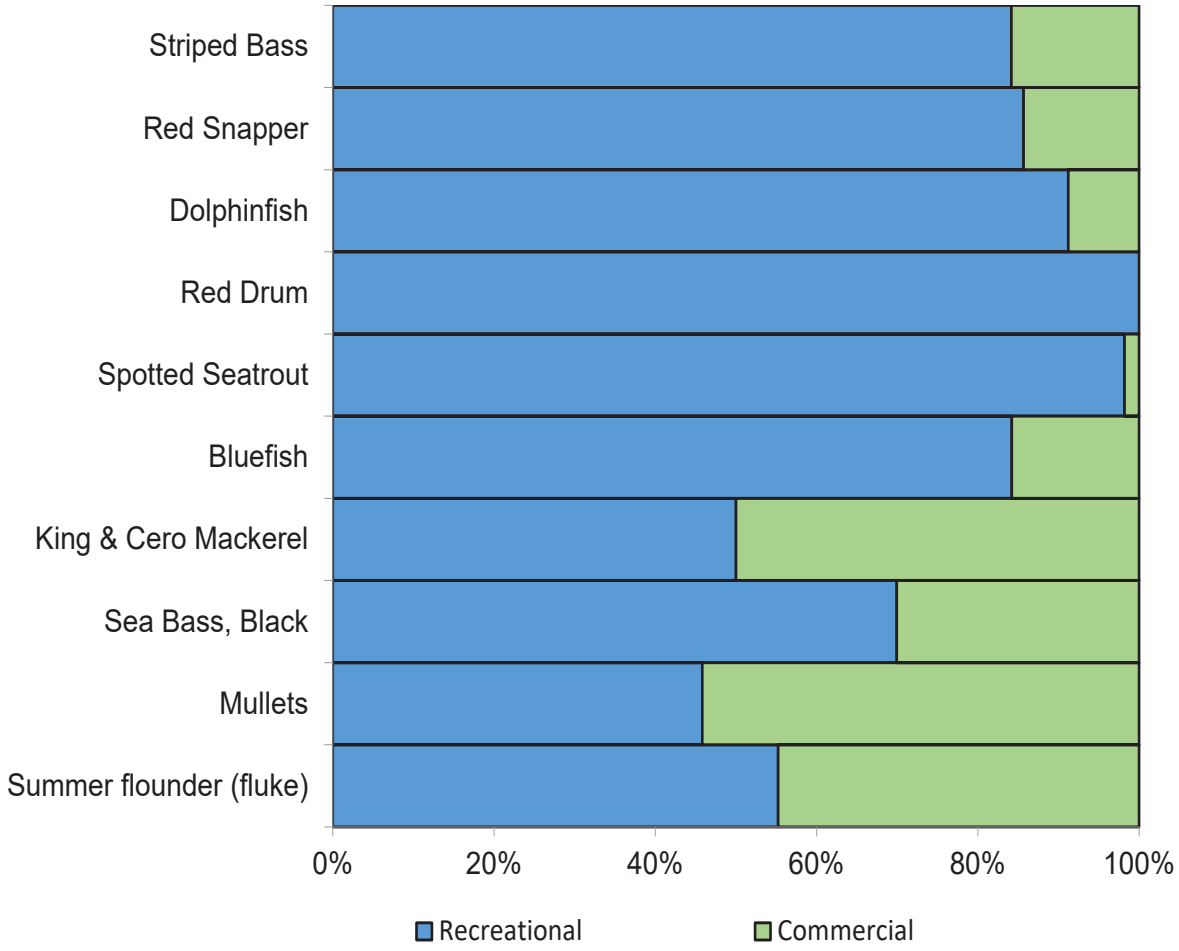
DOMESTIC LANDINGS FOR U.S. TERRITORIAL POSSESSIONS, 2018

Group / Species	Puerto Rico (1)			U.S. Virgin Islands (1)		
	Pounds	Kilos	Dollars	Pounds	Kilos	Dollars
Fish						
Ballyhoo	40837	18524	58706	1752	795	9240
Barracuda	1031	468	2207	964	437	4768
Dolphinfish	83172	37727	319439	19055	8643	130292
Goatfish	2811	1275	8077	793	359	4472
Groupers:						
Red hind	27856	12635	113667	23670	10737	143775
Misty	3458	1569	15578			
Other	7537	3419	26961	9008	4086	53751
Grunts	11339	5143	20023	25689	11652	149224
Hogfish	35388	16052	147400	2850	1293	17097
Jacks:						
Bar jack	19352	8778	37754	5414	2456	30781
Horse-eye jack	1689	766	3294			
Other	3959	1796	7030	23758	10777	142703
Mackerel, king and cero	40499	18370	118489	6259	2839	37521
Mojarra	4778	2167	9566			
Mullet	7927	3596	23800			
Parrotfish	17451	7916	36235	27276	12373	142602
Scup or porgy	8768	3977	18524	7136	3237	42692
Sharks, other	9349	4241	12902	360	163	1081
Snappers:						
Lane	60072	27248	186020	3491	1584	21305
Mutton	20899	9480	67851	4505	2043	27753
Silk	148461	67341	820298	3544	1608	21887
Yellowtail	72311	32800	236080	22353	10139	138208
Other	138886	62998	808375	10014	4542	63358
Total snappers	**440,629**	**199,867**	**2,118,624**	**43,907**	**19,916**	**272,511**
Snook	11621	5271	44517	-	-	-
Squirrelfish	1710	776	3243	6473	2936	28747
Surgeonfish				12715	5767	72381
Triggerfish	33646	15262	68650	46089	20906	267072
Trunkfish (boxfish)	25971	11780	71160	6017	2729	12876
Tuna:						
Albacore	430	195	1676			
Blackfin	27481	12465	62006	300	136	1900
Little (tunny)	14021	6360	30263	8467	3841	53345
Skipjack	15597	7075	35679			
Yellowfin	4027	1827	13703			
Unclassified	2357	1069	10458	11399	5171	71929
Total tuna	**63,913**	**28,991**	**153,785**	**20,166**	**9,148**	**127,174**
Wahoo	15432	7000	54086	8465	3839	56068
Other marine finfishes	21361	9689	66510	31351	14221	165913
Total fish	**941,484**	**427,055**	**3,560,227**	**329,167**	**149,309**	**1,912,741**
Shellfish, et al.						
Crabs	3192	1448	43006	1474	669	7385
Lobster, spiny	285044	129295	1894908	96638	43835	854282
Conch (snail) meats	179456	81401	1036702	14817	6721	95265
Octopus	15917	7220	69262			
Shellfish, other	2304	1045	8678	3088	1401	87615
Total shellfish, et al.	**485,913**	**220,409**	**3,052,556**	**116,017**	**52,626**	**1,044,547**
Grand Total	**1,427,397**	**647,464**	**6,612,783**	**445,184**	**201,935**	**2,957,288**

(1) All landings are as reported. No adjustments or estimations have been made.

The following comparisons between the top species, by weight, for U.S. commercial landings and recreational fish harvests include only species with both recreational and commercial fisheries. Further, these comparisons do not include data for Alaska and Texas because recreational weight data are not provided by those states. Recreational harvest shown represents type A+B1 catch which includes both fish brought back to the dock, used for bait, released dead, or filleted.

Selected Recreational Species-Harvest vs. Commercial Harvest, 2018



Top Recreational and Commercial Finfish Species, by Coast, 2018 (Thousands of Pounds)

Atlantic Coast

Rank	Species	Commercial	Recreational	Total Landings
1	Atlantic Herring	96,220	92	96,312
2	Striped bass	4,517	23,750	28,266
3	Atlantic mackerel	19,209	4,551	23,760
4	Goosefish (anglerfish)	22,956	78	23,033
5	Dogfish	16,505	217	16,722
6	Haddock	14,455	1,970	16,424
7	Bluefish	2,423	13,271	15,694
8	Dolphinfish	512	14,915	15,427
9	Summer flounder (fluke)	6,185	7,628	13,812
10	Catfish	7,546	5,556	13,103

Gulf Coast

Rank	Species	Commercial	Recreational	Total Landings
1	Red snapper	3,078	12,617	15,695
2	Mullets	7,393	6,418	13,811
3	Spotted sea trout	89	9,778	9,867
4	Snapper, Other	2,449	5,680	8,129
5	King & Cero mackerel	2,005	5,349	7,354
6	Spanish Mackerel	1,165	5,544	6,708
7	Snapper, Vermillion	1,061	2,311	3,372
8	Sand (white) sea trout	17	3,228	3,244
9	Blue Runner	195	2,959	3,155
10	Herring, Thread	1,248	547	1,795

West Coast

Rank	Species	Commercial	Recreational	Total Landings
1	Unspecified rockfishes	37,272	7,115	44,387
2	Sablefish	11,561	5	11,566
3	Chub mackerel	5,534	853	6,387
4	Lingcod	1,474	2,567	4,041
5	Halibut	1,447	1,239	2,686
6	Bonito	1,487	722	2,209
7	Flounder, Pacific, other	2,121	3	2,124
8	Herring, Pacific	2,000	21	2,020
9	Tuna, Bluefin	707	15	723
10	Shark, Other	472	60	532

U.S. Aquaculture

Aquaculture

INTRODUCTION

Aquaculture is the propagation and rearing of aquatic species in controlled or selected environments (National Aquaculture Act of 1980). Although the U.S. is not a major aquaculture producer, ranking 17th worldwide for fish and shellfish production, it is estimated that over half of the seafood that the U.S. imports and consumes comes from aquaculture. Aquaculture plays an important role in producing many popular seafood products, including salmon, oysters, and clams in the U.S. as well as imported shrimp. The data in this section are current through 2017 and, therefore, lag 1 year behind the rest of the data in Fisheries of the United States.

SOURCES OF DATA

Accurate statistics about the state of the U.S. marine aquaculture industry are essential for quantitatively demonstrating the contribution of aquaculture to coastal economies and to U.S. seafood production. Regular, periodic data are also necessary to assess industry trends. However, the United States does not conduct an annual national survey of aquaculture production. To derive the estimates reported here, NMFS compiles data from a number of sources including state agencies, industry groups, the United States Department of Agriculture (USDA) and specialized surveys. Round weight is reported for most species, but oysters, clams, and mussels are reported as meat weight (i.e., without the shell). The values reported are at the farm-gate level.

More detailed data on United States Aquaculture are available from the USDA Census of Aquaculture for 2018 (http://www.agcensus.usda.gov/Publications/Census_of_Aquaculture/). This is a follow-up to the 2017 Census of Agriculture. The Census of Aquaculture provides more information on freshwater aquaculture, species farmed, and methods used. Data in the current census is from 2018, however, the census is not annual. The previous census had data from 2013. Data from this publication will not agree exactly with data from the Census of Aquaculture due to differences in methodology and sources of data.

World data are compiled by the FAO and are available on its website (http://www.fao.org/fishery/statistics/global-aquaculture-production) and through its FishStatJ software (http://www.fao.org/fishery/statistics/software/fishstatj/en). For global data, all species are reported in live weight.

DATA HIGHLIGHTS

In 2017, estimated freshwater plus marine U.S. aquaculture production was 626 million pounds with a value of $1.47 billion. This reflects a decrease of 7.7 million pounds (1.2%) from 2016. Freshwater aquaculture production decreased, declining 3.6 million pounds (0.7%) from 2016. In 2017, marine aquaculture production decreased by 4.1 million pounds (4.8%). The value of production also decreased by $21.1 million (4.8%). Freshwater production is primarily composed of catfish (330.4 million pounds), crawfish (140.3 million pounds), and trout (43.8 million pounds). Atlantic salmon is the leading species for marine finfish aquaculture (32.4 million pounds), while oysters have the highest volume (36.5 million pounds) for marine shellfish production. Thriving shellfish industries can be found in all coastal regions of the United States, however the Atlantic and Pacific Coast states produce more oysters, clams, and mussels by value ($117.8 and $120.3 million, respectively), while the Gulf states produce more by volume (24.9 million pounds).

The FAO estimates that nearly half of world seafood consumption comes from aquaculture and this percentage is likely to increase in the future. By far, Asia is the leading continent for aquaculture production. Asia produces about 92 percent of the global aquaculture production, which totals 111.9 million metric tons. The top five producing countries are in Asia: China, Indonesia, India, Vietnam, and Bangladesh. FAO reported that the United States ranked seventeenth in aquaculture production. Globally, carps (28.5 million metric tons), tilapias (5.9 million metric tons), and salmon (3.5 million metric tons) are the finfish species groups with the greatest production. Clams (5.7 million metric tons), oysters (5.7 million metric tons), and shrimp (5.5 million metric tons) are the shellfish species groups with the most production.

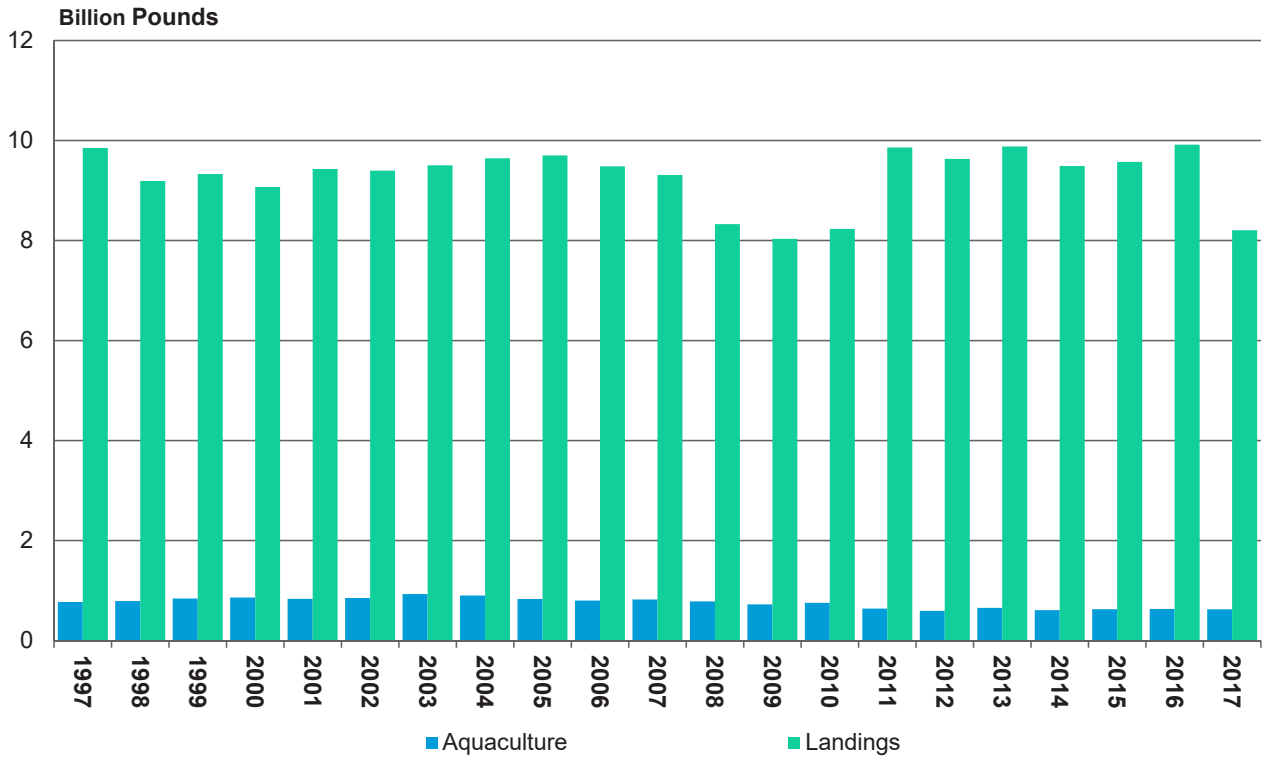
Aquatic plant farming, primarily seaweed, also represents a significant sector of global aquaculture production (31.8 million metric tons, valued at 11.8 billion). Seaweed farming represents a significant area of growth for the U.S. aquaculture industry. Production increased 186% from 2016 to 2017. Total wet weight (value) was 24,164 ($25,444) lbs in 2016 and grew in 2017 to 69,053 lbs ($68,698). Preliminary data for 2018 indicates the rapid rise in farmed seaweed production will continue. While production numbers are small because the industry is just now establishing, seaweed farming shows promise to become an important contributor to U.S. marine aquaculture production and to U.S. global competitiveness in seafood production.

ESTIMATED U.S. AQUACULTURE PRODUCTION, 2012 - 2017						
Species	2012			2013		
	Thousand pounds	Metric tons	Thousand dollars	Thousand pounds	Metric tons	Thousand dollars
Freshwater:						
Catfish	340,164	154,296	318,784	358,380	162,560	354,337
Striped bass	7,915	3,590	29,438	7,444	3,377	34,987
Tilapia	23,000	10,433	56,350	18,428	8,359	40,049
Trout	36,226	16,432	55,388	44,496	20,183	71,869
Crawfish	95,762	43,437	160,717	106,924	48,500	144,347
Total Freshwater	**503,067**	**228,188**	**620,677**	**535,672**	**242,979**	**645,588**
Marine:						
Salmon	42,538	19,295	77,064	41,593	18,866	104,709
Clams	10,262	4,655	98,797	9,533	4,324	122,150
Mussels	739	335	9,451	699	317	9,804
Oysters	34,802	15,786	135,718	35,243	15,986	157,272
Shrimp	2,846	1,291	6,029	3,355	1,522	7,108
Total Marine	**91,187**	**41,362**	**327,059**	**90,422**	**41,015**	**401,043**
Miscellaneous	-	-	286,087	-	-	289,181
Totals	**594,254**	**269,550**	**1,233,823**	**626,094**	**283,994**	**1,335,812**
Species	**2014**			**2015**		
	Thousand pounds	Metric tons	Thousand dollars	Thousand pounds	Metric tons	Thousand dollars
Freshwater:						
Catfish	307,498	139,480	331,963	317,445	143,992	347,021
Striped bass	8,110	3,679	31,142	8,111	3,679	30,831
Tilapia	18,999	8,618	42,745	18,999	8,618	42,745
Trout	48,456	21,979	76,206	45,854	20,799	76,748
Crawfish	134,168	60,858	172,071	140,411	63,690	199,350
Total Freshwater	**517,231**	**234,615**	**654,128**	**530,820**	**240,778**	**696,695**
Marine:						
Salmon	41,268	18,719	76,186	47,528	21,559	87,743
Clams	10,405	4,720	120,727	9,086	4,121	112,139
Mussels	699	317	9,861	717	325	10,201
Oysters	33,323	15,115	168,991	35,229	15,980	172,778
Shrimp	4,870	2,209	10,316	3,979	1,805	11,137
Total Marine	**90,565**	**41,080**	**386,081**	**96,539**	**43,790**	**393,998**
Miscellaneous	-	-	291,717	-	-	302,774
Totals	**607,796**	**275,695**	**1,331,926**	**627,359**	**284,568**	**1,393,468**
Species	**2016**			**2017**		
	Thousand pounds	Metric tons	Thousand dollars	Thousand pounds	Metric tons	Thousand dollars
Freshwater:						
Catfish	320,174	145,230	363,075	330,428	149,881	355,218
Striped bass	10,322	4,682	37,737	9,901	4,491	36,198
Tilapia	18,999	8,618	42,745	18,999	8,618	42,745
Trout	48,451	21,977	79,558	43,750	19,845	83,151
Crawfish	149,015	67,593	196,695	140,270	63,626	189,606
Total Freshwater	**546,961**	**248,100**	**719,809**	**543,348**	**246,461**	**706,918**
Marine:						
Salmon	35,682	16,185	67,654	32,375	14,685	61,383
Clams	9,722	4,410	137,793	9,003	4,084	129,125
Mussels	894	406	10,476	878	398	10,395
Oysters	36,601	16,602	192,328	36,480	16,547	186,288
Shrimp	3,600	1,633	10,075	3,600	1,633	10,075
Total Marine	**86,499**	**39,236**	**418,327**	**82,336**	**37,347**	**397,266**
Miscellaneous	-	-	315,944	-	-	367,823
Totals	**633,460**	**287,336**	**1,454,080**	**625,684**	**283,808**	**1,472,007**

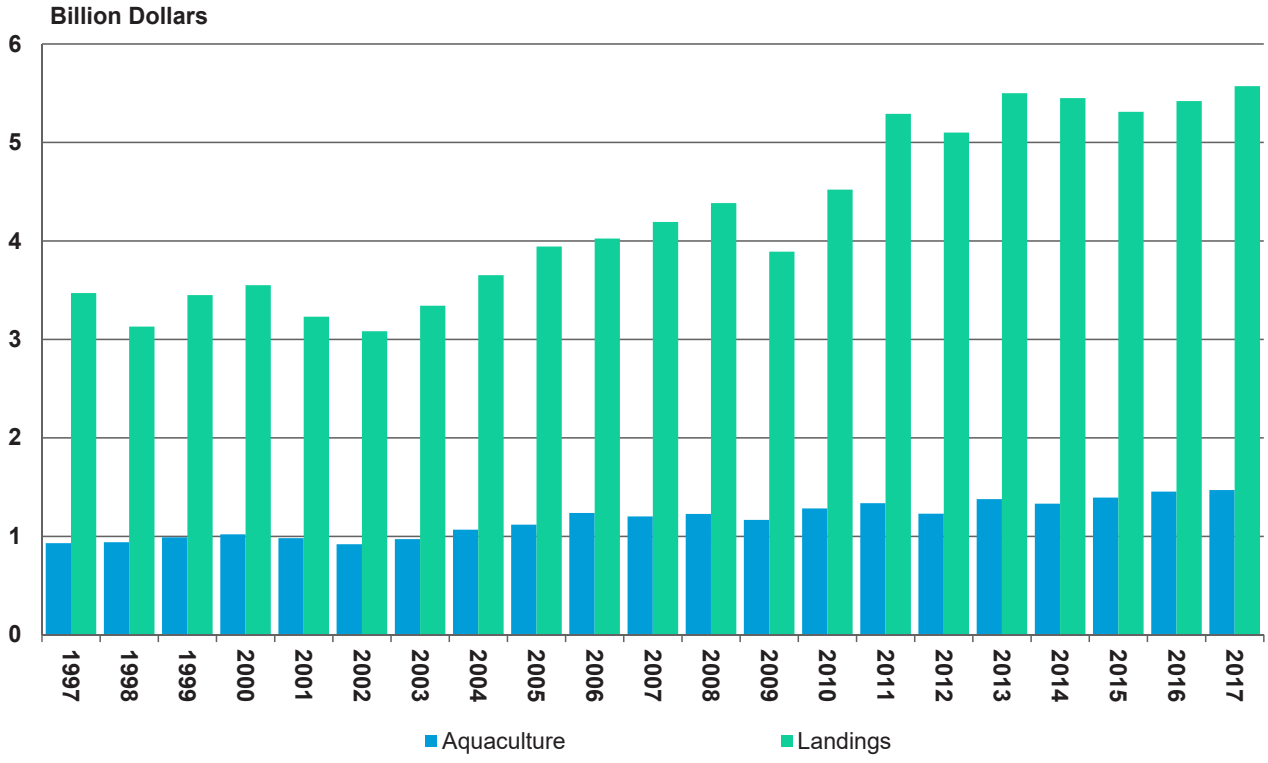
Note: Table may not add due to rounding. Clams, oysters, and mussels are reported as meat weights (excludes shell), while all other species such as shrimp and finfishes are reported as whole (live) weights. Some clam and oyster production is reported with U.S. commercial landings. Weights and values represent the final sales of products to processors and dealers. The "Miscellaneous" category includes baitfish, ornamental/tropical fish, alligators, algae, aquatic plants, eels, scallops, crabs, and others. The production volume of "Miscellaneous" is not reported because production value, but not weight, is reported for many species such as ornamental fishes.

Source: Fisheries Statistics Division, F/ST1, State Data, NMFS and Census of Aquaculture, USDA.

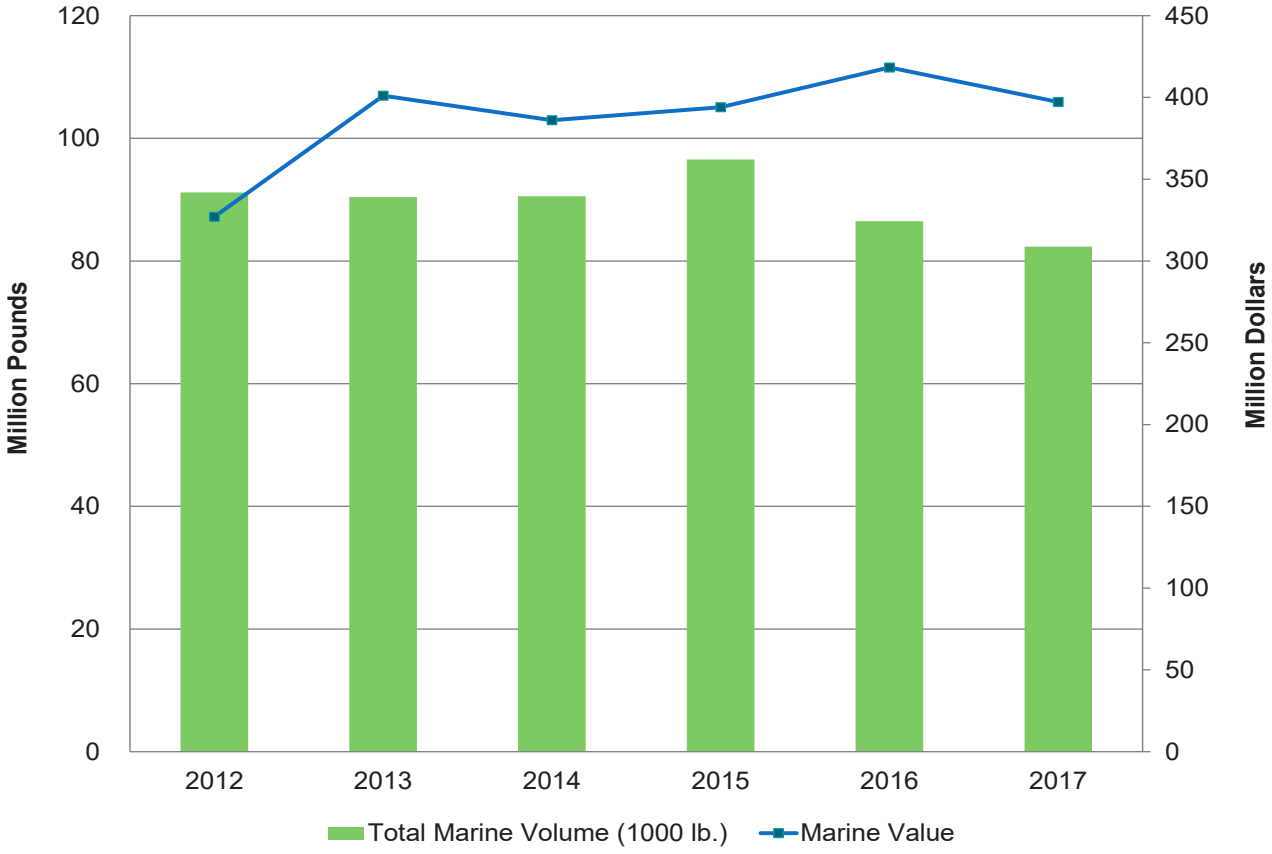
Volume of Domestic Commercial Landings and Aquaculture Production



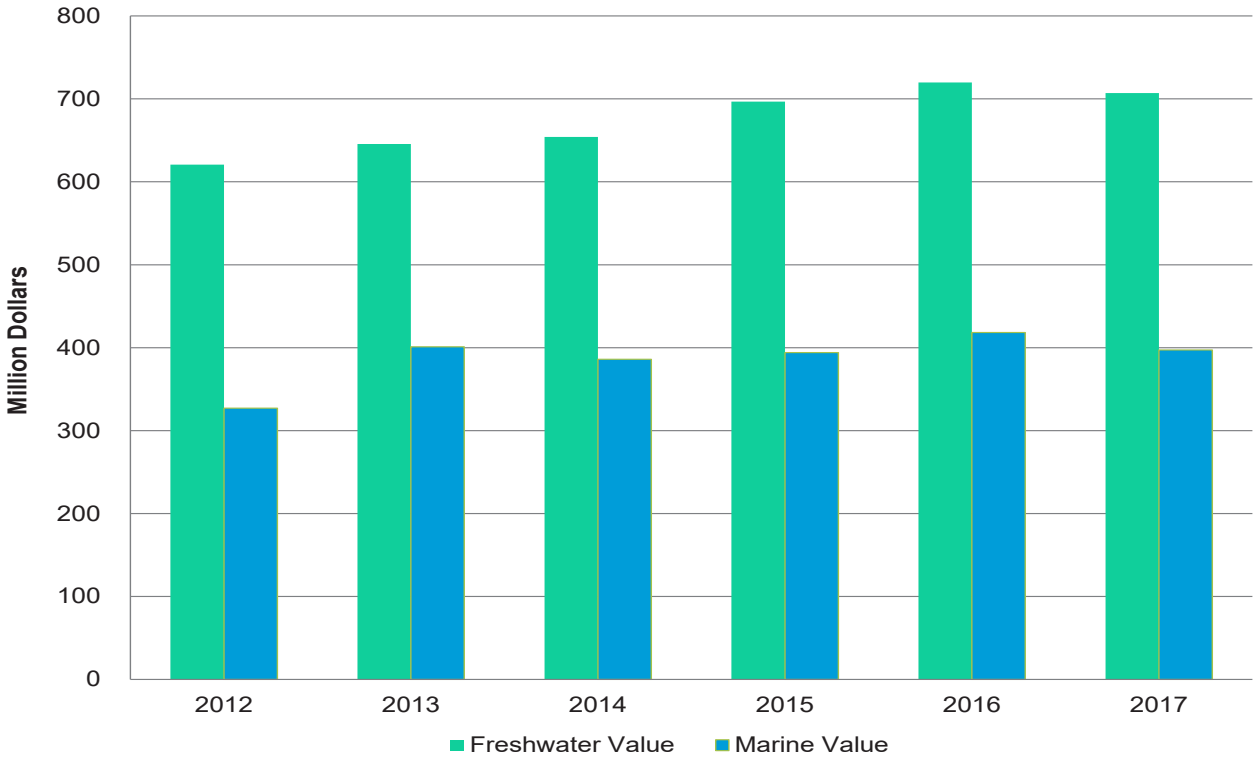
Value of Domestic Commercial Landings and Aquaculture Production



Estimated Marine Aquaculture Production Value and Volume, 2012-2017

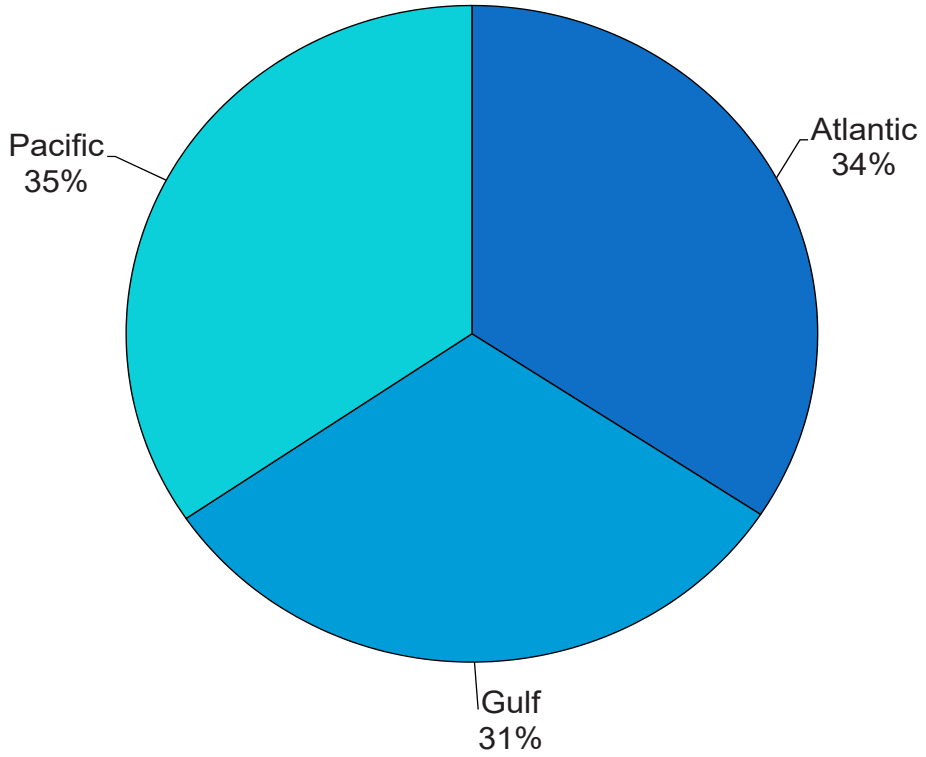


Estimated Value of Freshwater and Marine Aquaculture, 2012-2017

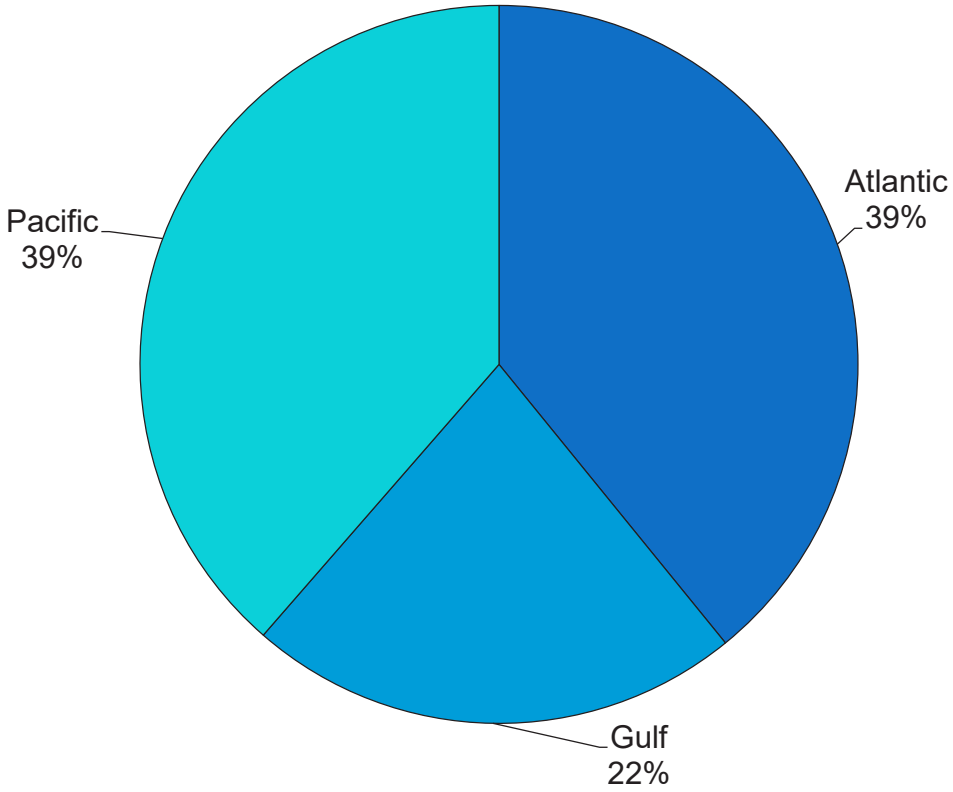


Note: Total marine + freshwater does not match the summary chart on p. 27 because the "Miscellaneous" category has been excluded from this graph.

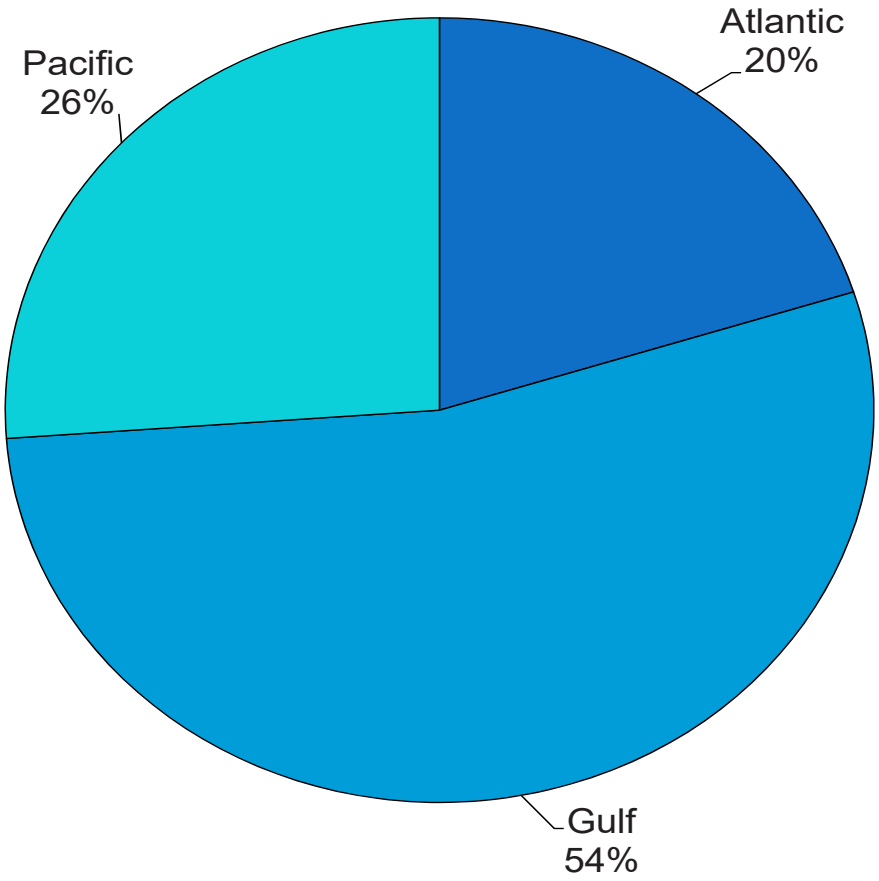
Estimated U.S. Marine Aquaculture Production by Region, by Volume, 2017



Estimated U.S. Marine Aquaculture Production by Region, by Value, 2017



Estimated Shellfish Aquaculture Production, by Volume, 2017



ESTIMATED SHELLFISH VOLUME AND VALUE BY REGION, 2017

Region	Total Shellfish Volume (KG)	Total Shellfish Value (1000 $)
Atlantic	9,333,462	117,837
Gulf	24,901,824	86,804
Pacific	12,125,817	120,343

Note: Volume is reported in meat weight.

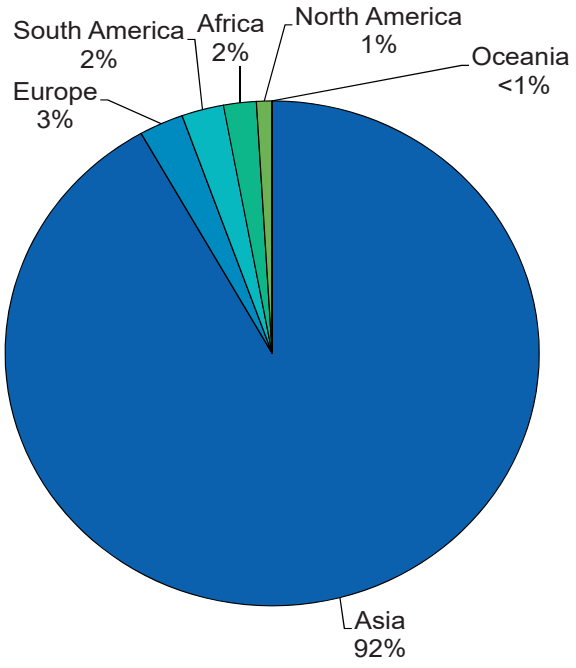
Aquaculture

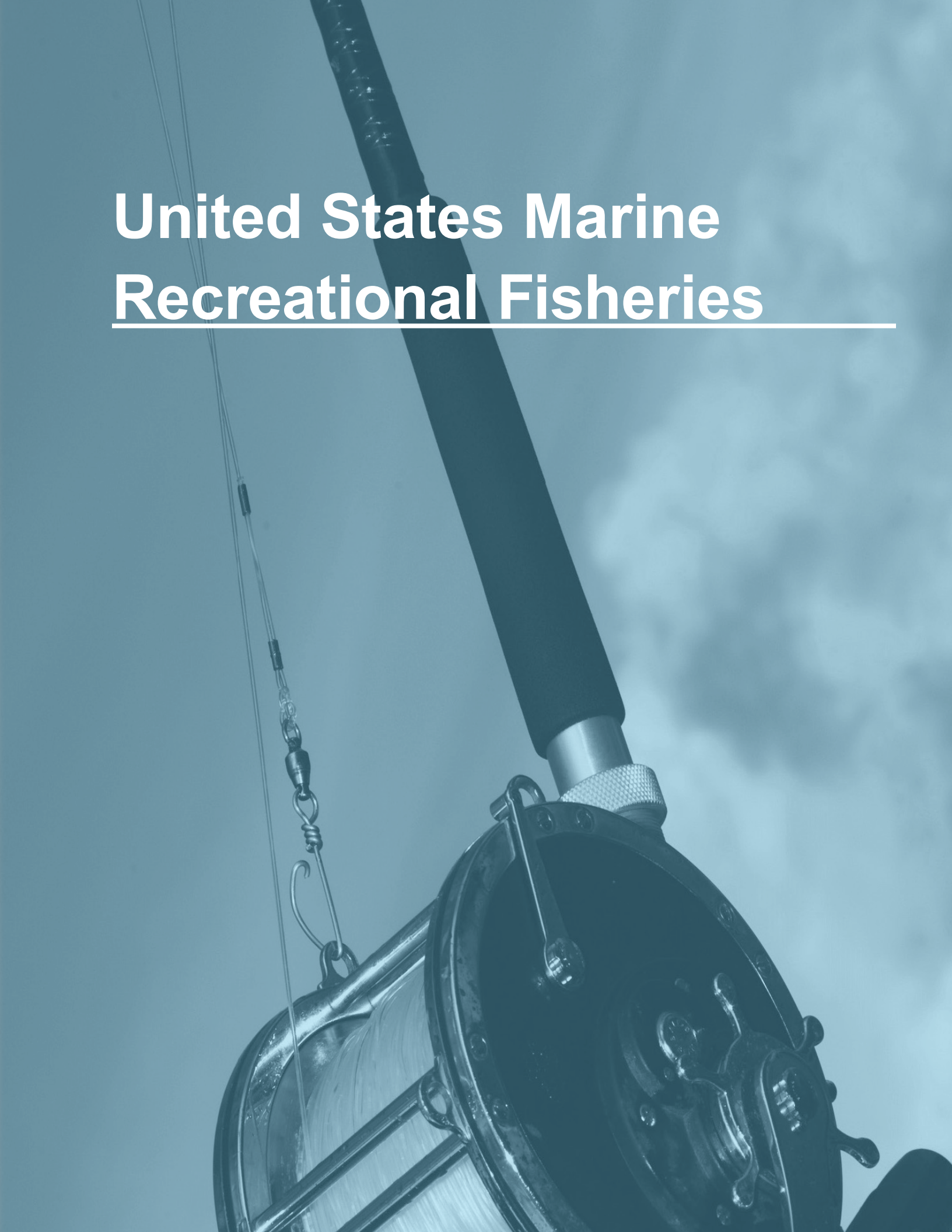
AQUACULTURE PRODUCTION OF ALL SPECIES BY TOP COUNTRIES AND BY CONTINENT, 2017

Country (ranked by volume)	Volume (metric tons)	Value (1000 US$)	Continent	Volume (metric tons)	Value (1000 US$)
China	64,358,481	148,963,118	Asia	102,896,169	211,021,834
Indonesia	15,896,100	12,906,162	Europe	3,010,268	14,455,862
India	6,182,000	12,293,958	South America	2,527,424	15,145,333
Vietnam	3,831,241	9,715,248	Africa	2,214,143	3,197,910
Bangladesh	2,333,352	5,905,370	North America	1,064,034	3,864,635
South Korea	2,306,280	3,431,671	Oceania	234,586	1,893,590
Philippines	2,237,787	1,998,500			
Egypt	1,451,841	1,376,605			
Norway	1,308,634	7,856,984			
Chile	1,219,747	10,412,180			
Myanmar	1,048,863	1,749,589			
Japan	1,021,580	4,685,599			
Thailand	889,891	2,703,419			
North Korea	625,060	149,623			
Brazil	595,000	1,461,843			
Ecuador	464,505	2,408,200			
United States	439,670	1,212,480			
Malaysia	427,516	708,400			
Iran	412,887	1,274,340			
Spain	311,032	583,018			
All others	4,585,156	17,782,856			
Total	**111,946,623**	**249,579,163**		**111,946,623**	**249,579,163**

Source: FAO, U.S. total may not agree with other estimates in this section.
Additional detail on global aquaculture production can be found in the World section.

Aquaculture Production by Continent, 2017





United States Marine Recreational Fisheries

DATA COLLECTION

Detailed information on marine recreational fishing supports fisheries management and is mandated by the Sustainable Fisheries Act of 1996 (PL 104-297) and the Magnuson-Stevens Fishery Conservation and Management Reauthorization Act of 2006 (PL 109-479). In 1981, following two years of preliminary surveys, NOAA Fisheries began a comprehensive survey of marine recreational fisheries covering all fishing modes (private/rental boat, party/charter boat, and shore) and including estuarine and brackish water. Although the annual recreational harvest is only about nine percent of the total weight of U.S. harvest of finfish for states covered by this program, the fishing activities of millions of anglers are important to monitor. Marine recreational fishing significantly impacts the stocks of many finfish species, and recreational catch surpasses commercial landings of some species (see figure on page 23). Important information about recreational fishing activity and impact is collected by the Marine Recreational Information Program (MRIP), a state-regional-federal partnership that oversees the continual improvement and implementation of data collection programs to estimate recreational fisheries catch and effort.

METHODS

On the Atlantic and Gulf coasts of the U.S., MRIP collects recreational fisheries data using the Fishing Effort Survey (FES), the For-Hire Survey (FHS), and the Access Point Angler Intercept Survey (APAIS). The FES replaced the Coastal Household Telephone Survey (CHTS) in 2018 as an improved survey method with greater coverage and higher response rates than its predecessor. Additional information, obtained from state and regional logbook programs, supplements survey data to produce more robust catch and effort estimates. While the CHTS collected data on the number of shore and private boat fishing trips taken by residents of coastal counties, the FES is a mail survey that collects state-wide shore and private boat fishing information from households on the Atlantic and Gulf coasts and in Hawaii. The APAIS covers all fishing modes and collects data on species composition of catches; catch rates by species; lengths and weights of landed fish; the proportion of fishing trips by residents of non-coastal counties; and angler avidity. These data are combined to produce estimates of participation, catch, and effort. Catch estimates are separated into two categories: harvested catch and catch released alive. Harvested catch includes landed fish and catch reported as dead. Whenever possible, field interviewers identify, count, weigh, and measure landed fish that are available in whole form. Angler reports are obtained for catch released alive and for all other harvested catch, such as catch released dead, used for bait, or filleted fish. Catch estimates are stratified by sub-region, state, and wave (bimonthly sampling period), and further partitioned by species, fishing mode, primary area fished (inland [sounds, rivers, bays], state territorial seas [ocean to 3 miles from shore, except for Texas and Florida's Gulf coast, where state territorial seas extend to 10 miles from shore], and Exclusive Economic Zone (EEZ) [ocean from the outer edge of the state territorial seas to 200 miles from shore]), and catch type. Marine recreational fishing in Louisiana is monitored by the Louisiana Department of Wildlife and Fisheries, and has not been surveyed by NOAA Fisheries since 2013.

On the Atlantic and Gulf coasts and in California, effort for the party and charter boat fishing modes is estimated through the FHS. This survey differs from the FES because it uses a telephone survey of boat captains as the primary method for estimating fishing effort. The weekly survey uses a directory of charter and party boats as the sampling frame. This survey estimates the number of angler trips on boats included in the sampling frames. Dockside and on-board angler intercept surveys collect catch data. The total catch of any one species is calculated as the product of the estimated total angler trips and the estimated mean catch per trip for that species. The FHS produces separate estimates for party and charter boat on the Atlantic and Gulf coasts, while for-hire fishing vessels are not designated by type in California. The FHS effort methodology was initiated in 2000 on the Gulf coast, in 2001 on the Pacific coast, and in 2003 on the Atlantic coast. The FHS on the Gulf coast only includes charter boats. On the Atlantic coast, the FHS is supplemented with data collected by the Vessel Trip Reporting program, administered from Maine to North Carolina.

In Oregon and Washington, boat surveys are used to produce catch and effort estimates. Oregon's Ocean Recreational Boat Survey (ORBS) and Washington's Ocean Sampling Program (OSP) each consist of a field intercept survey for effort and catch for-hire and private boats. Estimates of mean catch per boat, catch per angler, total angler trips, and boat trips are produced for each port inlet or port group stratified by time period, boat type (charter/guide/private), trip type (salmon, tuna, bottomfish, etc.) and area fished.

Catch estimates, by species, are produced in both weight and numbers of fish. In Alaska, recreational fishing data are collected through an annual mail survey administered by the Alaska Department of Fish and Game.

COVERAGE

In 2018, MRIP covered the Atlantic coast (ME-East FL), Gulf coast (MS-West FL), and Hawaii. Detailed information and access to the data are available on the MRIP web page (www.fisheries.noaa.gov/topic/recreational-fishing-data). Care is advised when comparing catch estimates across an extended time series because of differences in sampling coverage through the years.

In the South Atlantic and Gulf sub-regions (NC-LA), party boat catch data have not been collected since 1985. As a result, for-hire estimates for these sub-regions only include charter boats. Marine recreational fishing in Texas is monitored by the Texas Parks and Wildlife Department, and has not been surveyed by NOAA Fisheries since 1985. MRIP was discontinued in LA after 2013. On the Pacific coast prior to 1998, recreational fishing surveys were not conducted during certain waves because trips were surveyed by state natural resource agencies. Recreational fishing on the Pacific coast has not been surveyed by NOAA Fisheries since 2003. Harvest, effort, and participation data for Alaska are included for 2017 but are not yet available for 2018. West Pacific U.S. territories have not been included in the national survey program since 1981. Hawaii was not surveyed between 1981 and 2002. Puerto Rico was not surveyed between 1981 and 2000, or after Hurricane Maria (late 2017). Since 2004, the numbers reported for Washington and Oregon include only private boat and for-hire fisheries. Data from other NOAA Fisheries and state surveys are not included in this report.

Historically, only about five percent of the annual recreational catch is taken during Wave 1 (Jan./Feb.), and changes have been made over the years to offset high sampling costs during these months of low fishing activity. In Jan./Feb. of 1981, recreational fishing surveys were not conducted in any region. In 1982, Jan./Feb. data collection resumed on the Pacific coast, the Gulf coast, and the Atlantic coast of Florida. In 2004, Jan./Feb. data collection resumed in North Carolina. With a few exceptions, MRIP has not collected data in Jan./Feb. on the Atlantic coast north of Florida since 1980. To determine whether this decision introduced bias to Atlantic coast estimates, a pilot study of fishing effort by coastal household residents was conducted in Jan./Feb. 2010 in NY, NJ, DE, MD, and VA. Results suggested only ~0.1 to 1.3 percent of coastal households reported fishing in Jan./Feb. in these mid-Atlantic states, compared to the average fishing household rates of 1.25 to 4.5 percent in Mar./Apr. and Nov./Dec. (2007-2009 pooled), the two lowest periods of activity that were regularly surveyed by the CHTS. These extremely low levels of fishing prevalence in Wave 1 suggest very low contribution to annual catch from successful anglers. These findings confirmed the decision to forgo sampling during those months, further supported by the difficulty of surveying such low trip numbers with adequate levels of precision.

The marine recreational statistics program was not conducted during the following time periods: Nov./Dec. (ME and NH) from 1987 to present; Mar./Apr. (ME and NH) from 1986 to present; Jan./Feb. (Northern CA and OR) in 1994; Jan./Feb. (Southern CA and OR) in 1995; Nov./Dec. (OR) in 1994; Nov./Dec. (WA shore modes) in 2003; July to Dec. (OR shore modes) in 2003; all waves (CA, OR, and WA) from1990 to 1993 and from 2004 to present; all waves (WA) from 1993 to 1994.

CATCH AND EFFORT ESTIMATION

The MRIP time series was updated to provide estimates that are fully calibrated for both the 2018 transition from the CHTS to the FES and the 2013 APAIS design change. The data presented in the tables are calibrated estimates.

DATA TABLES

The estimated harvests (numbers and weight of fish) for the continental U.S., Alaska, and Hawaii are presented. No data are available for Puerto Rico for 2018, as data collection has yet to resume following Hurricane Maria in 2017. Harvest by weight are not available for Texas and Alaska, or Louisiana after 2013. Numbers of fish harvested and released alive are also presented for many important species groups. Estimated harvests are presented by subregion and primary fishing area. The total numbers of estimated trips and participants are presented by state. State estimates for the number of anglers in Louisiana, Hawaii, Texas, California, Oregon, and Washington are not available.

2018 MARINE RECREATIONAL FISHING DATA

The 2018 national estimate of nearly 8.5 million anglers was derived from two sources: 1) an estimate based on current survey data using historical methods from Maine to Mississippi, and 2) estimates based on historical rates of participation for California, Oregon, and Washington (since 2003) and Louisiana (since 2014). Texas, Hawaii, and Puerto Rico lack historical data adequate to estimate participation and are not included. NOAA Fisheries has a growing concern and lack of confidence in the second portion of the total estimate, which depends on historical participation rates to provide current estimates, especially over a long time frame. NOAA Fisheries will continue to provide that portion of the national estimate described in 1) above, and will work with its state partners to explore ways to improve annual estimates of marine recreational angler participation rather than continuing to use the source described in 2) above. In particular, NOAA Fisheries is evaluating an approach to utilize state estimates produced by the National Survey of Fishing, Hunting, and Wildlife-Associated Recreation, which is sponsored by the U.S. Fish and Wildlife Service.

These nearly 8.5 million marine recreational anglers made over 194 million marine recreational fishing trips in the continental U.S. and Hawaii. Alaska data are not available for the current year. The estimated total marine recreational catch was almost 956 million fish, of which almost 64 percent was released alive. The estimated total weight of harvested catch was 359 million pounds. The Atlantic coast accounted for the majority of trips (almost 67%) and catch (60%). The Gulf coast accounted for almost 29 percent of trips and almost 37 percent of catch. The Pacific coast accounted for 3 percent of trips and 2 percent of catch. Hawaii accounted for 1 percent of both trips and catch. Nationally, most (nearly 55% in numbers of fish) of the recreational catch came from inland waters, 35 percent from state territorial seas, and nearly 10 percent from the EEZ. The majority of Atlantic, Gulf and Pacific coast trips fished primarily in inland waters.

ATLANTIC

In 2018, over 5.2 million residents of Atlantic coast states participated in marine recreational fishing. All participants, including visitors, took over 129 million trips and caught a total of almost 574 million fish. About 34 percent of the trips were made in east Florida, followed by nearly 13 percent in North Carolina, almost 10 percent in New Jersey, almost 9 percent in New York, almost 8 percent in South Carolina, over 5 percent in Maryland, over 5 percent in New Hampshire, 5 percent in Massachusetts, and 5 percent in Virginia. Georgia accounted for less than 4 percent, Connecticut accounted for less than 3 percent, and Maine, Rhode Island, and Delaware each accounted for less than 2 percent of trips. The most commonly caught non-bait species (in numbers of fish) were striped bass, spotted seatrout, black sea bass, bluefish, and scup. The largest harvests by weight were striped bass, dolphinfish, bluefish, scup, and black sea bass.

Annual scup catch increased overall from almost 21 million fish (2009) to more than 30 million fish (2018). At more than 30 million fish, the 2018 scup catch was above the 10-year mean of 26 million. From 2009 to 2018, total annual catch of tautog has averaged nearly 12 million fish. Catch has fluctuated ranging from a low of almost 7.7 million fish (2011) to a high of almost 16 million fish (2017) with no clear trend. Of the total catch in 2018 (almost 11 million fish), nearly 90 percent were released alive. The species most commonly caught on Atlantic coast trips that fished primarily in federally managed waters were black sea bass, tomtate, red snapper, summer flounder, and dolphinfish. More than 34 percent of the total Atlantic catch came from trips that fished primarily in the state territorial seas, and

more than 56 percent came from trips that fished primarily in inland waters.

GULF OF MEXICO

In 2018, 1.8 million residents of Gulf coast states participated in marine recreational fishing. All participants, including visitors, took nearly 56 million trips and caught more than 349 million fish. Almost 74 percent of the trips were made in west Florida, followed by 12 percent in Alabama, 8 percent in Mississippi, 4 percent in Louisiana, and over 2 percent in Texas. The most commonly caught non-bait species (in numbers of fish) were spotted seatrout, gray snapper, Atlantic croaker, red drum, and Spanish mackerel. The largest harvests by weight were red snapper, spotted seatrout, red drum, striped mullet, sheepshead, and Spanish mackerel.

Over the last 10 years, the total annual catch of king mackerel decreased overall from almost 1.6 million fish in 2009 to 620,000 fish in 2018. In 2018, king mackerel catch (620,000 fish) was 37 percent below the 10-year average of almost 987,000 fish. From 2009 to 2018, total annual catch of spotted seatrout has averaged over 50 million fish. Spotted seatrout catch decreased overall from more than 61 million fish in 2009 to nearly 29 million fish in 2018. Of the total spotted seatrout catch in 2018 (nearly 29 million fish), nearly 69 percent were released alive. The species most commonly caught on Gulf of Mexico trips that fished primarily in federally managed waters were red snapper, red grouper, white grunt, vermilion snapper, and sand perch. Over 33 percent of the total Gulf catch came from trips that fished primarily in state territorial seas, nearly 56 percent came from trips that fished primarily in inland waters, and the remaining 11 percent came from trips fishing in the EEZ.

PACIFIC

In 2018, marine recreational anglers took nearly 5.9 million trips and caught a total of 21 million fish. Over 94 percent of the trips were made in California, followed by almost four percent in Oregon and two percent in Washington. The most commonly caught non-bait species (in numbers of fish) were Pacific (chub) mackerel, kelp bass, California scorpionfish, blue rockfish, and ocean whitefish. By weight, the largest harvests were lingcod, black rockfish, vermilion rockfish, blue rockfish, Chinook salmon, and copper rockfish.

From 2009 to 2018, total annual catch of California halibut has averaged almost 342,000 fish. Catch declined to a low in 2011 but has increased in subsequent years. Of the total catch in 2018 (419,000 fish), nearly 78 percent were released alive. Annual catch of coho salmon has varied between 58,000 fish and 529,000 fish over the last 10 years, with an average catch of nearly 201,000 fish per year. Of the 146,000 caught in 2018, 84,000 fish (almost 58%) were released alive. The most commonly caught Pacific coast species in federally managed waters were California corbina, California halibut, California lizardfish, California moray, and California scorpionfish. More than 69 percent of the total Pacific catch came from trips that fished primarily in the state territorial seas, more than 13 percent came from trips that fished primarily in inland waters, and the remaining 18 percent came from trips that fished primarily in the EEZ.

ALASKA

In 2017, 304,000 marine recreational anglers took almost 897,000 trips and caught a total of nearly 2.2 million fish. Commonly caught non-bait fishes included Pacific halibut, rockfishes, lingcod, Pacific cod, and the salmons: Chinook, chum, coho, pink, and sockeye. The most abundantly harvested of the salmons were coho salmon and pink salmon. Current year statistics are not available.

HAWAII

In 2018, marine recreational anglers took 3.4 million trips and caught a total of almost 12 million fish. The most commonly caught non-bait species (in numbers of fish) were yellowstripe goatfish, bigscale soldierfish, mackerel scad, bluefin trevally, and convict tang. By weight, the largest harvests were yellowfin tuna, dolphinfish, wahoo, skipjack tuna, blue marlin, and giant trevally.

U.S. RECREATIONAL HARVEST, BY SPECIES, 2017 AND 2018

Species	2017(2,3)			2018 (2,3,4,5)			Average (2014-2018)
	Thousand pounds	Metric tons	Total numbers (thousands)	Thousand pounds	Metric tons	Total numbers (thousands)	Thousand pounds
Anchovies **							
Northern Anchovy	6	3	215	7	3	212	8
Other Anchovies	(1)	(1)	378	451	201	562	90
Barracudas							
Pacific Barracuda	53	24	10	88	40	19	140
Other Barracudas	3,908	1,770	285	2,647	1,200	339	2,675
Bluefish	32,636	14,802	14,168	13,602	6,170	10,439	26,065
Smallmouth Bonefish	37	17	19	102	46	45	88
Cartilaginous Fishes							
Skates/Rays **	1,766	801	217	589	267	392	1,754
Spiny Dogfish	314	142	53	308	139	292	313
Other Sharks **	11,671	5,294	350	2,036	923	352	10,984
Catfishes							
Freshwater Catfishes	3,485	1,581	2,097	5,062	2,295	2,274	6,262
Saltwater Catfishes	1,843	836	980	2,134	968	1,780	1,911
Cods and Hakes							
Atlantic Cod	2,248	1,020	230	187	83	31	1,821
Pacific Cod	2	1	20	3	1	(1)	2
Pacific Hake	(1)	(1)	(1)	(1)	(1)	(1)	(1)
Pacific Tomcod	(1)	(1)	(1)	(1)	(1)	(1)	(1)
Pollock	1,781	808	602	714	322	388	1,074
Red Hake	180	80	167	207	94	192	261
Walleye Pollock	-	-	-	-	-	-	-
Other Cods/Hakes	5,015	2,273	1,791	2,190	991	1,008	2,607
Damselfishes							
Blackspot Sergeant	-	-	11	-	-	89	-
Other Damselfishes	-	-	10	-	-	27	(1)
Dolphinfishes **	14,416	6,538	2,574	20,439	9,271	3,282	20,690
Drums							
Atlantic Croaker	5,882	2,667	14,454	4,421	2,007	12,131	7,489
Black Drum	10,184	4,618	2,576	7,195	3,262	2,150	7,991
California Corbina	16	7	16	8	3	7	26
Kingfishes	7,956	3,608	22,660	7,511	3,407	18,503	8,882
Queenfish	(1)	(1)	17	(1)	(1)	17	3
Red Drum	17,432	7,908	5,991	14,980	6,793	5,887	15,760
Sand Seatrout	4,452	2,019	10,475	3,323	1,507	5,992	3,063
Silver Perch	457	206	2,359	102	45	480	223
Spot	7,637	3,463	23,674	3,292	1,494	12,827	6,082

(continued)

U.S. RECREATIONAL HARVEST, BY SPECIES, 2017 AND 2018

Species	2017(2,3)			2018 (2,3,4,5)			Average (2014-2018)
	Thousand pounds	Metric tons	Total numbers (thousands)	Thousand pounds	Metric tons	Total numbers (thousands)	Thousand pounds
Spotted Seatrout	16,797	7,617	16,190	14,337	6,503	12,006	14,821
Weakfish **	452	205	301	192	88	133	333
White Croaker	18	8	60	14	6	48	28
Other Drum	435	197	970	255	115	518	565
**Eels ** **							
Conger Eels	29	14	8	6	2	3	12
Moray Eels	(1)	(1)	4	(1)	(1)	10	(1)
Other Eels	94	43	74	142	64	151	107
Hawaiian Flagtail	6	3	93	9	4	206	23
Flounders							
California Halibut **	287	130	36	342	154	46	366
Gulf Flounder	518	234	452	520	236	383	696
Rock Sole	3	1	2	5	2	3	4
Sanddabs	78	35	265	78	34	252	191
Southern Flounder	2,025	918	1,263	2,118	961	1,354	2,562
Starry Flounder	8	3	2	2	(1)	(1)	4
Summer Flounder	10,216	4,634	3,228	7,634	3,462	2,431	11,838
Winter Flounder	429	193	326	223	101	158	322
Other Flounders **	865	391	1,227	574	261	345	703
Goatfishes							
Manybar Goatfish	2	1	14	9	5	57	8
Whitesaddle Goatfish	-	-	2	22	10	12	8
Yellowstripe Goatfish	11	5	380	49	22	1,651	77
Other Goatfishes	11	5	25	72	32	317	92
Greenlings							
Kelp Greenling	37	16	24	21	9	14	55
Lingcod	1,880	853	310	1,678	761	247	2,850
Other Greenlings	(1)	(1)	(1)	(1)	(1)	(1)	6
Grunts							
Pigfish	506	230	1,527	525	236	1,455	787
White Grunt	2,926	1,327	3,633	2,874	1,304	3,552	3,467
Other Grunts	585	265	2,069	1,602	727	3,918	850
**Herrings ** **							
Pacific Herring	12	5	68	10	5	57	27
Other Herrings	8,654	3,924	85,327	9,716	4,407	66,727	10,101
Jacks							
Bigeye Scad	560	253	1,308	483	220	4,672	716

(continued)

U.S. RECREATIONAL HARVEST, BY SPECIES, 2017 AND 2018

Species	2017(2,3)			2018 (2,3,4,5)			Average (2014-2018)
	Thousand pounds	Metric tons	Total numbers (thousands)	Thousand pounds	Metric tons	Total numbers (thousands)	Thousand pounds
Bigeye Trevally	-	-	-	3	1	1	2
Blue Runner	9,843	4,464	15,827	4,810	2,183	7,840	6,891
Bluefin Trevally	283	129	78	512	233	118	313
Crevalle Jack	8,486	3,851	2,441	3,828	1,735	1,713	6,134
Florida Pompano	2,920	1,325	2,411	1,939	880	1,510	2,151
Giant Trevally	143	65	11	638	290	39	342
Greater Amberjack	2,474	1,123	128	3,041	1,377	138	3,993
Island Jack	37	17	20	56	25	26	35
Mackerel Scad	-	-	108	-	-	405	26
Yellowtail	585	265	63	184	84	15	1,594
Other Jacks	1,849	834	3,487	2,886	1,311	7,644	2,759
Mullets **							
Striped Mullet	4,570	2,073	6,061	6,587	2,988	7,196	6,747
Other Mullets	3,199	1,452	23,272	7,166	3,248	26,677	2,802
Porgies							
Pinfishes	3,147	1,428	12,369	3,115	1,414	13,147	4,221
Red Porgy	611	276	493	644	291	436	758
Scup **	13,545	6,146	13,845	12,979	5,886	14,547	11,795
Sheepshead	18,156	8,237	6,682	11,552	5,238	5,248	12,927
Other Porgies **	525	233	578	583	265	500	714
Puffers	351	158	883	483	221	1,200	715
Rockfishes							
Black Rockfish	1,602	727	697	1,379	625	580	2,235
Blue Rockfish	433	197	481	451	205	470	605
Bocaccio	280	127	141	264	121	159	339
Brown Rockfish	155	70	120	204	92	150	334
Canary Rockfish	254	114	144	242	110	125	176
Chilipepper Rockfish	6	3	13	4	2	9	21
Copper Rockfish	495	226	239	442	199	195	540
Gopher Rockfish	110	50	116	89	40	95	197
Greenspotted Rockfish	37	17	38	32	14	34	38
Olive Rockfish	79	36	62	103	47	74	156
Quillback Rockfish	40	18	17	48	22	20	39
Widow Rockfish	15	7	15	68	31	46	39
Yellowtail Rockfish	301	137	174	293	134	181	350
Other Rockfishes **	1,132	510	1,461	1,029	459	1,124	1,710
Sablefishes	6	3	23	5	2	1	4
Scorpionfishes	(1)	(1)	2	4	(1)	36	1

(continued)

U.S. RECREATIONAL HARVEST, BY SPECIES, 2017 AND 2018

Species	2017(2,3)			2018 (2,3,4,5)			Average (2014-2018)
	Thousand pounds	Metric tons	Total numbers (thousands)	Thousand pounds	Metric tons	Total numbers (thousands)	Thousand pounds
Sculpins							
Cabezon	135	62	28	109	50	22	203
Other Sculpins	1	(1)	5	1	(1)	10	4
Sea Basses							
Barred Sand Bass	98	45	42	107	48	50	171
Black Sea Bass	13,429	6,094	7,465	8,728	3,960	4,826	11,028
Epinephelus Groupers **	2,205	999	319	2,748	1,249	364	3,827
Groupers	-	-	3	11	5	18	20
Kelp Bass	187	84	100	168	76	93	307
Mycteroperca Groupers **	3,407	1,548	391	3,378	1,535	401	3,469
Spotted Sand Bass	4	2	3	1	1	1	10
Other Sea Basses	124	54	391	293	132	868	235
**Sea Chubs ** **							
Halfmoon	13	6	14	14	6	14	30
Highfin Rudderfish	-	-	2	-	-	7	3
Opaleye	39	17	42	18	9	16	46
Other Sea Chubs	44	20	25	111	51	96	60
Searobins	1,004	455	920	800	362	762	848
Silversides							
Jacksmelt	197	88	510	67	29	187	195
Other Silversides	-	-	-	5	2	8	5
**Smelts ** **							
Surf Smelt	(1)	(1)	(1)	-	-	-	(1)
Other Smelts	(1)	(1)	9	(1)	(1)	(1)	(1)
Snappers							
Blacktail Snapper	5	2	9	8	3	57	5
Bluestripe Snapper	21	9	78	17	8	95	14
Gray Snapper	7,633	3,461	6,688	6,432	2,918	5,847	6,971
Green Jobfish	261	118	19	180	82	39	167
Lane Snapper	1,395	633	1,546	1,047	475	1,293	881
Pink Snapper	46	21	10	265	120	56	99
Red Snapper	19,473	8,833	3,231	19,142	8,683	2,967	13,294
Vermilion Snapper	2,550	1,157	2,333	2,815	1,277	2,717	2,232
Yellowtail Snapper	1,884	854	1,589	1,522	690	1,697	1,682
Other Snappers **	1,499	679	505	1,065	483	377	1,537
Squirrel/Soldierfishes							
Bigscale Soldierfish	-	-	75	-	-	481	3

(continued)

U.S. RECREATIONAL HARVEST, BY SPECIES, 2017 AND 2018

Species	2017(2,3)			2018 (2,3,4,5)			Average (2014-2018)
	Thousand pounds	Metric tons	Total numbers (thousands)	Thousand pounds	Metric tons	Total numbers (thousands)	Thousand pounds
Squirrel Fishes	12	6	28	(1)	(1)	3	7
Whitetip Soldierfish	-	-	-	-	-	-	(1)
Other Soldierfishes	(1)	(1)	2	7	3	278	4
Sturgeons	18	8	1	8	4	(1)	27
Surfperches							
Barred Surfperch	373	169	451	5	3	11	618
Black Perch	15	6	23	2	(1)	4	21
Pile Perch	11	5	10	2	(1)	1	8
Redtail Surfperch	170	77	149	1	(1)	1	126
Shiner Perch	1	(1)	16	2	(1)	23	7
Silver Surfperch	16	7	58	1	(1)	7	24
Striped Seaperch	36	17	35	4	2	4	56
Walleye Surfperch	14	7	56	5	3	25	19
White Seaperch	2	(1)	5	1	(1)	3	4
Other Surfperches	40	18	72	4	(1)	12	60
Surgeonfishes							
Convict Tang	4	2	57	-	-	273	16
Goldring Surgeonfish	10	4	77	-	-	231	16
Unicornfishes	-	-	3	4	2	16	10
Other Surgeonfishes	42	18	27	70	32	202	54
Temperate Basses							
Striped Bass	38,265	17,358	3,035	24,008	10,890	2,522	39,025
White Perch	2,657	1,206	6,819	1,532	694	3,795	2,259
Other Temperate Basses	(1)	(1)	1	204	92	103	57
Toadfishes	107	49	134	29	13	19	63
Triggerfishes/Filefishes	1,739	786	870	1,816	823	626	1,869
Tunas and Mackerels							
Albacore	849	385	47	987	448	57	1,769
Atlantic Mackerel	7,962	3,611	17,809	4,551	2,064	9,495	6,853
Chub Mackerel	589	267	1,446	556	252	1,312	822
Kawakawa	27	12	8	199	90	33	113
King Mackerel **	11,387	5,164	1,224	10,882	4,938	1,208	10,370
Little Tunny/Atl. Bonito **	5,835	2,646	922	6,090	2,762	936	6,463
Pacific Bonito **	282	127	98	361	163	86	471

(continued)

U.S. RECREATIONAL HARVEST, BY SPECIES, 2017 AND 2018

Species	2017(2,3)			2018 (2,3,4,5)			Average (2014-2018)
	Thousand pounds	Metric tons	Total numbers (thousands)	Thousand pounds	Metric tons	Total numbers (thousands)	Thousand pounds
Skipjack Tuna	1,206	548	162	2,214	1,004	241	1,588
Spanish Mackerel	9,658	4,378	8,160	8,901	4,037	7,227	9,311
Wahoo	5,426	2,460	162	3,908	1,774	165	4,836
Yellowfin Tuna	18,046	8,186	518	15,680	7,114	448	15,573
Other Tunas/Mackerels **	6,209	2,816	588	5,953	2,700	494	6,273
Wrasses							
California Sheephead	117	53	38	107	48	35	162
Cunner	28	12	116	115	51	130	61
Hawaiian Hogfish	3	2	8	-	-	2	6
Razorfishes	28	13	45	81	37	115	36
Tautog	7,547	3,422	2,073	3,419	1,552	1,072	7,689
Other Wrasses	564	256	256	192	87	148	926
Other Fishes **	13,520	6,128	15,182	16,243	7,365	19,210	15,626
Grand Total	**455,258**	**206,446**	**413,263**	**359,007**	**162,807**	**346,642**	**441,184**

NOTES:(1) Number or pounds less than 1,000 or less than 1 metric ton.
(2) Texas harvest is estimated by numbers only (no weight) and includes only private and for-hire fisheries.
(3) Louisiana harvest is estimated by numbers only (no weight).
(4) Alaska data not available for current year.
(5) Puerto Rico 2017 estimates only include data through August, due to Hurricane Maria.
(6) Puerto Rico not sampled in 2018.
** Fish included in these groups are not equivalent to those with similar names listed in the commercial tables.

U.S. RECREATIONAL HARVEST, BY DISTANCE FROM SHORE AND SPECIES GROUP, 2018

Species	Distance from U.S. Shores									Grand Total		
	Inland			0 to 3 miles (2,3,4) (State Territorial Sea)			3 to 200 miles (Exclusive Economic Zone)					
	Thousand pounds	Metric tons	Total number (thousands)	Thousand pounds	Metric tons	Total number (thousands)	Thousand pounds	Metric tons	Total number (thousands)	Thousand pounds	Metric tons	Total number (thousands)
Anchovies **												
Northern Anchovy	3	1	83	4	2	129	(1)	(1)	(1)	7	3	212
Other Anchovies	451	201	562	-	-	-	-	-	-	451	201	562
Barracudas												
Pacific Barracuda	(1)	(1)	(1)	41	19	9	46	21	10	88	40	19
Other Barracudas	161	73	45	1,366	620	160	1,119	507	134	2,647	1,200	339
Bluefish	3,655	1,658	3,707	9,157	4,153	6,425	790	359	307	13,602	6,170	10,439
Smallmouth Bonefish	58	26	19	44	20	25	-	-	-	102	46	45
Cartilaginous Fishes												
Skates/Rays **	587	267	298	2	(1)	74	(1)	(1)	20	589	267	392
Spiny Dogfish	4	2	2	172	76	142	132	61	147	308	139	292
Other Sharks **	1,012	458	170	583	264	125	440	201	57	2,036	923	352
Catfishes												
Freshwater Catfishes	5,062	2,295	2,222	(1)	(1)	52	-	-	(1)	5,062	2,295	2,274
Saltwater Catfishes	1,574	714	1,133	511	232	619	49	22	28	2,134	968	1,780
Cods And Hakes												
Atlantic Cod	(1)	(1)	(1)	39	17	8	149	66	22	187	83	31
Pacific Cod	-	-	-	3	1	(1)	-	-	-	3	1	(1)
Pacific Hake	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
Pacific Tomcod	-	-	-	(1)	(1)	(1)	-	-	-	(1)	(1)	(1)
Pollock	198	89	138	260	118	182	255	115	67	714	322	388
Red Hake	(1)	(1)	(1)	59	26	50	148	68	142	207	94	192
Other Cods/Hakes	116	53	70	46	21	39	2,027	917	899	2,190	991	1,008
Damselfishes												
Blackspot Sergeant	-	-	17	-	-	72	-	-	-	-	-	89
Other Damselfishes	-	-	6	-	-	22	-	-	-	-	-	27
Dolphinfishes **	12	5	1	1,539	699	229	18,238	8,273	2,938	20,439	9,271	3,282
Drums												
Atlantic Croaker	3,796	1,723	10,193	615	279	1,907	10	5	32	4,421	2,007	12,131

(continued)

U.S. RECREATIONAL HARVEST, BY DISTANCE FROM SHORE AND SPECIES GROUP, 2018

Species	Distance from U.S. Shores									Grand Total		
	Inland			0 to 3 miles (2,3,4) (State Territorial Sea)			3 to 200 miles (Exclusive Economic Zone)					
	Thousand pounds	Metric tons	Total number (thousands)	Thousand pounds	Metric tons	Total number (thousands)	Thousand pounds	Metric tons	Total number (thousands)	Thousand pounds	Metric tons	Total number (thousands)
Black Drum	4,574	2,073	1,355	2,600	1,180	781	21	9	14	7,195	3,262	2,150
California Corbina	1	(1)	1	7	3	6	(1)	(1)	(1)	8	3	7
Kingfishes	3,125	1,418	7,041	4,362	1,979	11,414	24	10	48	7,511	3,407	18,503
Queenfish	(1)	(1)	(1)	(1)	(1)	17	-	-	-	(1)	(1)	17
Red Drum	9,258	4,199	2,751	5,646	2,560	3,105	76	34	32	14,980	6,793	5,887
Sand Seatrout	2,611	1,185	4,093	703	318	1,875	9	4	24	3,323	1,507	5,992
Silver Perch	75	33	349	26	11	128	1	1	3	102	45	480
Spot	1,889	857	7,352	1,403	637	5,476	(1)	(1)	(1)	3,292	1,494	12,827
Spotted Seatrout	10,260	4,653	6,956	3,910	1,774	4,958	166	76	92	14,337	6,503	12,006
Weakfish **	98	46	62	70	32	56	25	10	15	192	88	133
White Croaker	1	(1)	3	12	6	42	1	(1)	2	14	6	48
Other Drum	26	12	126	227	103	390	2	(1)	3	255	115	518
**Eels ** **												
Conger Eels	-	-	-	5	2	2	1	(1)	(1)	6	2	3
Moray Eels	(1)	(1)	2	(1)	(1)	8	(1)	(1)	(1)	(1)	(1)	10
Other Eels	142	64	151	(1)	(1)	(1)	(1)	(1)	(1)	142	64	151
Hawaiian Flagtail	-	-	51	9	4	155	-	-	-	9	4	206
Flounders												
California Halibut **	228	103	34	107	48	11	7	3	1	342	154	46
Gulf Flounder	322	147	241	173	78	125	25	11	17	520	236	383
Rock Sole	(1)	(1)	(1)	5	2	3	1	(1)	(1)	5	2	3
Sanddabs	(1)	(1)	(1)	34	15	119	44	19	132	78	34	252
Southern Flounder	1,409	639	925	626	284	394	83	38	35	2,118	961	1,354
Starry Flounder	1	(1)	(1)	1	(1)	(1)	-	-	-	2	(1)	(1)
Summer Flounder	3,981	1,806	1,340	2,345	1,063	678	1,307	593	413	7,634	3,462	2,431
Winter Flounder	111	50	62	91	41	80	22	10	17	223	101	158
Other Flounders **	(1)	(1)	190	571	260	141	3	1	14	574	261	345
Goatfishes												
Manybar Goatfish	1	1	13	8	4	34	-	-	10	9	5	57
Whitesaddle Goatfish	10	5	5	12	5	8	-	-	-	22	10	12

(continued)

U.S. RECREATIONAL HARVEST, BY DISTANCE FROM SHORE AND SPECIES GROUP, 2018

Species	Distance from U.S. Shores									Grand Total		
	Inland			0 to 3 miles (2,3,4) (State Territorial Sea)			3 to 200 miles (Exclusive Economic Zone)					
	Thousand pounds	Metric tons	Total number (thousands)	Thousand pounds	Metric tons	Total number (thousands)	Thousand pounds	Metric tons	Total number (thousands)	Thousand pounds	Metric tons	Total number (thousands)
Yellowstripe Goatfish	15	7	453	34	15	1,198	-	-	-	49	22	1,651
Other Goatfishes	8	4	42	64	28	275	-	-	-	72	32	317
Greenlings												
Kelp Greenling	1	1	1	19	8	12	1	(1)	(1)	21	9	14
Lingcod	8	3	1	1,592	723	235	78	35	11	1,678	761	247
Other Greenlings	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
Grunts												
Pigfish	373	169	1,065	135	60	344	17	7	46	525	236	1,455
White Grunt	389	176	639	1,186	539	1,406	1,299	589	1,507	2,874	1,304	3,552
Other Grunts	155	71	426	667	304	1,296	779	352	2,196	1,602	727	3,918
Herrings **												
Pacific Herring	10	5	57	(1)	(1)	1	-	-	-	10	5	57
Other Herrings	7,301	3,311	46,453	2,127	965	18,715	288	131	1,559	9,716	4,407	66,727
Jacks												
Bigeye Scad	182	83	840	301	137	3,739	(1)	(1)	93	483	220	4,672
Bigeye Trevally	-	-	-	3	1	1	-	-	-	3	1	1
Blue Runner	393	179	607	4,149	1,883	6,946	268	121	287	4,810	2,183	7,840
Bluefin Trevally	50	23	16	462	210	101	1	(1)	(1)	512	233	118
Crevalle Jack	1,560	707	575	2,087	947	1,118	181	81	19	3,828	1,735	1,713
Florida Pompano	186	84	132	1,752	796	1,376	(1)	(1)	2	1,939	880	1,510
Giant Trevally	41	19	6	597	271	33	-	-	-	638	290	39
Greater Amberjack	(1)	(1)	3	488	220	26	2,553	1,157	109	3,041	1,377	138
Island Jack	-	-	(1)	55	25	26	1	(1)	(1)	56	25	26
Mackerel Scad	-	-	-	-	-	357	-	-	47	-	-	405
Whitemouth Trevally	-	-	-	-	-	-	-	-	-	-	-	-
Yellowtail	-	-	-	127	58	10	57	26	5	184	84	15
Other Jacks	211	96	339	1,926	874	6,897	748	341	408	2,886	1,311	7,644
Mullets **												
Striped Mullet	5,466	2,480	5,678	1,101	499	1,508	19	9	10	6,587	2,988	7,196
Other Mullets	810	369	19,093	5,387	2,442	6,567	968	437	1,017	7,166	3,248	26,677
Porgies												
Pinfishes	2,243	1,018	9,442	657	298	3,113	215	98	592	3,115	1,414	13,147
Red Porgy	12	5	3	52	23	57	581	263	376	644	291	436

(continued)

U.S. RECREATIONAL HARVEST, BY DISTANCE FROM SHORE AND SPECIES GROUP, 2018

Species	Distance from U.S. Shores									Grand Total		
	Inland			0 to 3 miles (2,3,4) (State Territorial Sea)			3 to 200 miles (Exclusive Economic Zone)					
	Thousand pounds	Metric tons	Total number (thousands)	Thousand pounds	Metric tons	Total number (thousands)	Thousand pounds	Metric tons	Total number (thousands)	Thousand pounds	Metric tons	Total number (thousands)
Scup **	10,475	4,752	12,061	1,865	845	1,923	638	289	563	12,979	5,886	14,547
Sheepshead	8,243	3,737	3,698	3,128	1,418	1,471	182	83	79	11,552	5,238	5,248
Other Porgies **	44	20	70	216	98	135	323	147	296	583	265	500
Puffers	294	135	631	189	86	567	1	(1)	2	483	221	1,200
Rockfishes												
Black Rockfish	5	2	3	1,355	614	569	19	9	8	1,379	625	580
Blue Rockfish	3	1	2	428	195	446	20	9	22	451	205	470
Bocaccio	1	(1)	(1)	182	84	97	82	37	62	264	121	159
Brown Rockfish	12	5	12	153	69	108	40	18	30	204	92	150
Canary Rockfish	1	(1)	(1)	224	102	114	18	8	11	242	110	125
Chilipepper Rockfish	-	-	-	1	(1)	2	4	2	8	4	2	9
Copper Rockfish	1	(1)	(1)	396	179	173	46	20	22	442	199	195
Gopher Rockfish	(1)	(1)	(1)	88	40	93	1	(1)	1	89	40	95
Greenspotted Rockfish	(1)	(1)	(1)	21	9	21	11	5	13	32	14	34
Olive Rockfish	(1)	(1)	(1)	98	44	69	6	3	4	103	47	74
Quillback Rockfish	-	-	-	43	20	17	5	2	2	48	22	20
Widow Rockfish	4	2	3	54	24	34	10	5	9	68	31	46
Yellowtail Rockfish	1	1	1	278	127	167	14	6	13	293	134	181
Other Rockfishes **	4	1	5	826	370	764	200	88	355	1,029	459	1,124
Sablefishes	-	-	-	5	2	1	(1)	(1)	(1)	5	2	1
Scorpionfishes												
California Scorpionfish	1	(1)	1	58	26	57	159	72	160	218	98	217
Other Scorpionfishes	1	(1)	17	3	(1)	19	-	-	-	4	(1)	36
Sculpins												
Cabezon	1	1	1	103	47	20	5	2	1	109	50	22
Other Sculpins	(1)	(1)	(1)	(1)	(1)	10	(1)	(1)	(1)	1	(1)	10

(continued)

U.S. RECREATIONAL HARVEST, BY DISTANCE FROM SHORE AND SPECIES GROUP, 2018

Species	Distance from U.S. Shores									Grand Total		
	Inland			0 to 3 miles (2,3,4) (State Territorial Sea)			3 to 200 miles (Exclusive Economic Zone)					
	Thousand pounds	Metric tons	Total number (thousands)	Thousand pounds	Metric tons	Total number (thousands)	Thousand pounds	Metric tons	Total number (thousands)	Thousand pounds	Metric tons	Total number (thousands)
Sea Basses												
Barred Sand Bass	3	1	1	83	38	39	21	9	9	107	48	50
Black Sea Bass	2,574	1,168	1,103	3,058	1,388	1,710	3,097	1,404	2,013	8,728	3,960	4,826
Epinephelus Groupers **	11	5	5	72	33	15	2,666	1,211	343	2,748	1,249	364
Other Groupers	-	-	5	8	4	13	2	1	1	11	5	18
Kelp Bass	5	2	3	148	67	83	15	7	8	168	76	93
Mycteroperca Groupers **	266	120	28	447	203	44	2,666	1,212	329	3,378	1,535	401
Spotted Sand Bass	1	1	1	(1)	(1)	(1)	(1)	(1)	(1)	1	1	1
Other Sea Basses	5	2	19	73	33	264	215	97	585	293	132	868
**Sea Chubs ** **												
Halfmoon	2	1	1	12	5	12	1	(1)	1	14	6	14
Highfin Rudderfish	-	-	-	-	-	7	-	-	-	-	-	7
Opaleye	6	3	7	12	6	10	-	-	-	18	9	16
Other Sea Chubs	(1)	(1)	3	111	51	93	(1)	(1)	(1)	111	51	96
Searobins	759	344	693	33	16	53	8	2	16	800	362	762
Silversides												
Jacksmelt	37	16	106	30	13	80	(1)	(1)	(1)	67	29	187
Other Silversides	(1)	(1)	34	11	5	55	-	-	-	11	5	89
**Smelts ** **												
Surf Smelt	-	-	-	-	-	-	-	-	-	-	-	-
Other Smelts	(1)	(1)	(1)	-	-	-	-	-	-	(1)	(1)	(1)
Snappers												
Blacktail Snapper	5	2	6	2	1	51	-	-	-	8	3	57
Bluestripe Snapper	-	-	18	17	8	75	-	-	1	17	8	95
Gray Snapper	2,906	1,317	3,704	1,182	537	1,058	2,344	1,064	1,085	6,432	2,918	5,847
Green Jobfish	-	-	-	111	50	23	70	32	15	180	82	39
Lane Snapper	77	35	174	266	121	339	704	319	780	1,047	475	1,293
Pink Snapper	-	-	-	187	85	45	77	35	11	265	120	56
Red Snapper	45	21	17	1,500	680	375	17,597	7,982	2,574	19,142	8,683	2,967
Vermilion Snapper	7	3	3	673	305	680	2,135	969	2,034	2,815	1,277	2,717

(continued)

U.S. RECREATIONAL HARVEST, BY DISTANCE FROM SHORE AND SPECIES GROUP, 2018

Species	Distance from U.S. Shores									Grand Total		
	Inland			0 to 3 miles (2,3,4) (State Territorial Sea)			3 to 200 miles (Exclusive Economic Zone)					
	Thousand pounds	Metric tons	Total number (thousands)	Thousand pounds	Metric tons	Total number (thousands)	Thousand pounds	Metric tons	Total number (thousands)	Thousand pounds	Metric tons	Total number (thousands)
Yellowtail Snapper	6	3	6	635	288	761	881	399	929	1,522	690	1,697
Other Snappers **	103	47	66	464	210	201	498	226	111	1,065	483	377
Squirrel/Soldierfishes												
Bigscale Soldierfish	-	-	54	-	-	427	-	-	-	-	-	481
Squirrel Fishes	-	-	2	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	3
Whitetip Soldierfish	-	-	-	-	-	-	-	-	-	-	-	-
Other Soldierfishes	7	3	142	-	-	136	-	-	-	7	3	278
Sturgeons	8	4	(1)	-	-	-	-	-	-	8	4	(1)
Surfperches												
Barred Surfperch	1	(1)	1	5	3	10	(1)	(1)	(1)	5	3	11
Black Perch	1	(1)	2	1	(1)	1	(1)	(1)	(1)	2	(1)	4
Pile Perch	(1)	(1)	(1)	1	(1)	1	-	-	-	2	(1)	1
Redtail Surfperch	(1)	(1)	(1)	(1)	(1)	(1)	-	-	-	1	(1)	1
Shiner Perch	1	(1)	12	1	(1)	10	-	-	-	2	(1)	23
Silver Surfperch	(1)	(1)	1	1	(1)	6	-	-	-	1	(1)	7
Striped Seaperch	1	1	1	3	1	3	(1)	(1)	(1)	4	2	4
Walleye Surfperch	2	1	7	4	2	18	(1)	(1)	(1)	5	3	25
White Seaperch	1	(1)	2	(1)	(1)	1	(1)	(1)	(1)	1	(1)	3
Other Surfperches	1	(1)	2	2	(1)	7	1	(1)	2	4	(1)	12
Surgeonfishes												
Convict Tang	-	-	33	-	-	240	-	-	-	-	-	273
Goldring Surgeonfish	-	-	98	-	-	133	-	-	-	-	-	231
Unicornfishes	-	-	2	4	2	14	-	-	-	4	2	16
Other Surgeonfishes	35	16	70	35	16	132	-	-	(1)	70	32	202
Temperate Basses												
Striped Bass	15,853	7,191	2,052	7,833	3,554	446	321	145	23	24,008	10,890	2,522
White Perch	1,532	694	3,795	(1)	(1)	(1)	-	-	-	1,532	694	3,795
Other Temperate Basses	-	-	-	-	-	(1)	204	92	103	204	92	103

(continued)

U.S. RECREATIONAL HARVEST, BY DISTANCE FROM SHORE AND SPECIES GROUP, 2018

Species	Distance from U.S. Shores									Grand Total		
	Inland			0 to 3 miles (2,3,4) (State Territorial Sea)			3 to 200 miles (Exclusive Economic Zone)					
	Thousand pounds	Metric tons	Total number (thousands)	Thousand pounds	Metric tons	Total number (thousands)	Thousand pounds	Metric tons	Total number (thousands)	Thousand pounds	Metric tons	Total number (thousands)
Toadfishes	19	8	15	10	5	5	(1)	(1)	(1)	29	13	19
Triggerfishes/Filefishes	95	41	65	359	163	148	1,362	619	412	1,816	823	626
Tunas and Mackerels												
Albacore	-	-	-	847	385	51	140	63	6	987	448	57
Atlantic Mackerel	1,813	822	3,599	2,304	1,045	4,769	434	197	1,127	4,551	2,064	9,495
Chub Mackerel	80	36	206	391	177	1,013	85	39	93	556	252	1,312
Kawakawa	2	1	(1)	66	30	10	131	59	23	199	90	33
King Mackerel **	136	62	16	5,594	2,537	569	5,152	2,339	623	10,882	4,938	1,208
Little Tunny/Atlantic Bonito **	140	62	33	4,189	1,901	593	1,761	799	310	6,090	2,762	936
Pacific Bonito **	(1)	(1)	(1)	226	102	57	135	61	29	361	163	86
Skipjack Tuna	-	-	-	160	73	27	2,053	931	214	2,214	1,004	241
Spanish Mackerel	2,615	1,188	1,935	5,651	2,562	4,823	635	287	469	8,901	4,037	7,227
Wahoo	-	-	-	1,328	603	59	2,580	1,171	107	3,908	1,774	165
Yellowfin Tuna	-	-	-	147	67	8	15,534	7,047	441	15,680	7,114	448
Other Tunas/Mackerels **	14	6	6	705	320	168	5,234	2,374	320	5,953	2,700	494
Wrasses												
California Sheephead	4	2	2	82	37	25	20	9	9	107	48	35
Cunner	93	42	93	18	8	32	4	1	5	115	51	130
Hawaiian Hogfish	-	-	-	-	-	2	-	-	-	-	-	2
Razorfishes	-	-	4	81	37	111	-	-	-	81	37	115
Tautog	1,616	733	477	1,000	454	314	803	365	281	3,419	1,552	1,072
Other Wrasses	7	3	18	64	29	75	121	55	55	192	87	148
Other Fishes **	4,587	2,079	12,001	6,108	2,770	6,157	5,548	2,516	1,052	16,243	7,365	19,210
Grand Total	**128,800**	**58,409**	**184,932**	**119,240**	**54,078**	**129,368**	**110,318**	**50,026**	**32,196**	**359,007**	**162,807**	**346,642**

NOTES: (1) Number or pounds less than 1,000 or less than 1 metric ton.

(2) West Florida state territorial seas extend 0 to 10 miles.

(3) Includes all Oregon and Washington harvest (where distance from shore is unknown).

(4) Louisiana harvest is estimated by numbers only (no weight), includes harvest from inland and state territorial seas,

(5) Alaska data not available for current year.

(6) Texas harvest is estimated by numbers only (no weight) and includes only private and for-hire fisheries.

(7) Puerto Rico not sampled in 2018.

** Fish included in these groups are not equivalent to those with similar names listed in the commercial tables.

U.S. RECREATIONAL HARVEST AND TOTAL LIVE RELEASES, BY SPECIES GROUP, 2009-2018

Year	Barracudas			Bluefish		
	Pounds Harvested (thousands)	Number Harvested (thousands)	Number Released (thousands)	Pounds Harvested (thousands)	Number Harvested (thousands)	Number Released (thousands)
2009	2,802	377	898	41,603	18,664	33,916
2010	2,278	323	781	47,100	22,327	41,632
2011	1,295	224	506	35,199	21,468	38,696
2012	1,755	301	630	33,174	18,996	33,680
2013	1,587	295	777	35,352	20,654	37,313
2014	2,286	512	746	28,037	22,212	35,271
2015	3,311	506	1,055	30,457	14,154	29,623
2016	1,784	300	812	25,594	15,953	32,556
2017	3,960	295	611	32,636	14,168	29,496
2018	2,735	358	1,108	13,602	10,439	21,687

Year	Cartilaginous Fishes			Catfishes		
	Pounds Harvested (thousands)	Number Harvested (thousands)	Number Released (thousands)	Pounds Harvested (thousands)	Number Harvested (thousands)	Number Released (thousands)
2009	9,067	757	33,349	3,182	1,778	24,416
2010	4,611	731	29,629	6,404	3,264	39,172
2011	2,364	634	28,911	7,187	3,214	37,953
2012	2,543	635	30,037	9,845	5,407	34,843
2013	7,177	995	40,341	8,636	4,542	43,904
2014	11,199	889	36,766	14,126	3,753	30,002
2015	24,750	634	32,512	7,818	3,820	30,241
2016	12,617	1,179	29,159	6,398	3,912	31,740
2017	13,750	620	22,961	5,328	3,077	38,808
2018	2,934	1,035	23,773	7,195	4,053	36,867

Year	Cods and Hakes			Dolphinfishes		
	Pounds Harvested (thousands)	Number Harvested (thousands)	Number Released (thousands)	Pounds Harvested (thousands)	Number Harvested (thousands)	Number Released (thousands)
2009	9,516	2,223	2,475	21,343	2,476	341
2010	16,095	2,905	3,690	13,550	1,894	496
2011	13,291	2,728	3,205	17,882	3,160	1,356
2012	5,841	1,681	2,875	17,819	2,677	497
2013	8,490	2,942	5,519	16,371	2,513	3,377
2014	5,404	2,050	5,046	19,838	2,697	1,341
2015	3,720	1,198	5,026	28,863	4,167	1,956
2016	7,176	2,580	7,237	19,898	2,249	348
2017	9,225	2,790	6,528	14,416	2,574	844
2018	3,301	1,619	3,439	20,439	3,330	889

U.S. RECREATIONAL HARVEST AND TOTAL LIVE RELEASES, BY SPECIES GROUP, 2009-2018

Year	Drums			Flounders		
	Pounds Harvested (thousands)	Number Harvested (thousands)	Number Released (thousands)	Pounds Harvested (thousands)	Number Harvested (thousands)	Number Released (thousands)
2009	116,444	113,526	161,885	19,978	9,071	55,111
2010	122,023	118,471	168,310	20,747	9,340	65,134
2011	125,626	127,755	175,797	22,601	10,773	59,918
2012	122,259	128,826	207,791	24,891	11,669	47,953
2013	131,560	135,453	213,559	28,192	13,035	47,351
2014	72,474	113,081	141,031	22,686	10,903	47,150
2015	63,400	87,340	134,100	16,322	7,806	37,103
2016	63,105	86,702	150,119	18,488	8,234	33,356
2017	71,719	99,743	149,539	14,430	6,447	31,000
2018	55,630	70,699	134,746	11,496	4,972	25,605

Year	Greenlings			Grunts		
	Pounds Harvested (thousands)	Number Harvested (thousands)	Number Released (thousands)	Pounds Harvested (thousands)	Number Harvested (thousands)	Number Released (thousands)
2009	936	174	197	4,579	8,784	12,836
2010	920	188	231	3,904	6,411	11,579
2011	1,658	332	398	6,095	9,869	17,362
2012	1,970	385	418	6,033	9,543	16,047
2013	2,736	471	368	5,921	10,574	18,649
2014	3,291	556	370	6,628	10,923	17,915
2015	4,004	677	349	4,873	8,245	18,360
2016	3,644	604	358	5,002	7,752	18,949
2017	1,917	312	143	4,018	7,229	16,307
2018	1,699	261	119	5,000	8,925	20,174

Year	Herrings			Jacks		
	Pounds Harvested (thousands)	Number Harvested (thousands)	Number Released (thousands)	Pounds Harvested (thousands)	Number Harvested (thousands)	Number Released (thousands)
2009	5,780	118,550	19,751	24,309	18,652	18,767
2010	4,850	64,902	11,292	16,001	9,613	17,670
2011	5,217	58,758	15,820	10,137	11,231	20,444
2012	13,669	67,893	19,555	14,353	13,363	23,668
2013	8,301	91,300	16,863	22,724	26,324	38,779
2014	10,793	99,925	47,501	27,516	27,605	39,645
2015	9,639	124,857	16,547	25,465	24,536	35,789
2016	11,820	121,647	35,226	26,184	23,528	34,034
2017	8,666	85,394	27,710	27,180	25,881	28,452
2018	9,726	66,785	23,236	18,380	24,119	27,502

U.S. RECREATIONAL HARVEST AND TOTAL LIVE RELEASES, BY SPECIES GROUP, 2009-2018

Year	Mullets			Porgies		
	Pounds Harvested (thousands)	Number Harvested (thousands)	Number Released (thousands)	Pounds Harvested (thousands)	Number Harvested (thousands)	Number Released (thousands)
2009	9,116	23,574	6,775	26,081	28,063	46,293
2010	9,517	21,384	10,809	35,906	34,624	59,808
2011	14,442	34,649	13,270	41,293	31,350	59,496
2012	13,079	35,078	12,500	31,575	31,998	79,418
2013	14,032	32,473	6,382	29,240	33,128	60,215
2014	8,274	23,392	10,554	29,165	37,587	69,924
2015	10,282	30,829	5,470	30,932	36,990	65,136
2016	7,666	30,622	6,333	27,119	28,508	71,820
2017	7,770	29,333	7,660	35,984	33,967	70,535
2018	14,565	34,005	11,884	28,872	33,878	56,664

Year	Puffers			Rockfishes		
	Pounds Harvested (thousands)	Number Harvested (thousands)	Number Released (thousands)	Pounds Harvested (thousands)	Number Harvested (thousands)	Number Released (thousands)
2009	194	389	5,369	5,419	3,585	451
2010	952	1,921	4,906	5,112	3,550	539
2011	1,786	5,177	5,514	6,035	4,842	732
2012	1,335	2,751	8,639	6,875	5,762	784
2013	1,194	2,302	4,459	8,343	6,621	1,173
2014	412	859	6,302	8,459	6,804	1,065
2015	1,404	2,968	8,888	8,508	6,497	1,065
2016	924	2,218	6,942	7,342	5,811	966
2017	351	883	5,592	4,942	3,438	596
2018	483	1,200	4,835	4,650	3,262	527

Year	Sculpins			Sea Basses		
	Pounds Harvested (thousands)	Number Harvested (thousands)	Number Released (thousands)	Pounds Harvested (thousands)	Number Harvested (thousands)	Number Released (thousands)
2009	192	64	159	16,351	6,959	45,037
2010	173	48	256	17,813	8,618	46,207
2011	247	135	330	11,120	5,904	39,803
2012	246	87	229	18,873	7,473	59,489
2013	224	83	515	17,635	6,353	45,461
2014	262	72	181	20,580	7,799	50,838
2015	282	79	178	18,817	7,715	40,894
2016	245	70	541	21,008	9,257	52,954
2017	136	32	370	19,453	8,715	61,991
2018	110	32	259	15,435	6,621	39,061

U.S. RECREATIONAL HARVEST AND TOTAL LIVE RELEASES, BY SPECIES GROUP, 2009-2018

Year	Sea Chubs			Searobins		
	Pounds Harvested (thousands)	Number Harvested (thousands)	Number Released (thousands)	Pounds Harvested (thousands)	Number Harvested (thousands)	Number Released (thousands)
2009	100	166	85	226	317	11,534
2010	77	134	164	122	211	10,732
2011	104	84	22	281	336	7,689
2012	182	175	94	356	471	20,970
2013	191	183	25	1,804	1,317	23,629
2014	251	169	58	342	333	9,222
2015	91	117	101	1,193	968	20,332
2016	101	122	80	902	801	22,116
2017	96	84	62	1,004	920	31,965
2018	144	133	35	800	762	20,094

Year	Silversides			Smelts		
	Pounds Harvested (thousands)	Number Harvested (thousands)	Number Released (thousands)	Pounds Harvested (thousands)	Number Harvested (thousands)	Number Released (thousands)
2009	672	1,785	749	1	12	(1)
2010	316	994	418	(1)	5	(1)
2011	318	880	388	221	2,557	78
2012	261	874	545	1	76	19
2013	281	911	578	(1)	14	4
2014	319	845	472	1	12	(1)
2015	256	893	399	(1)	159	2
2016	301	976	405	(1)	2	(1)
2017	204	580	210	(1)	(1)	(1)
2018	67	269	136	(1)	(1)	(1)

Year	Snappers			Surfperches		
	Pounds Harvested (thousands)	Number Harvested (thousands)	Number Released (thousands)	Pounds Harvested (thousands)	Number Harvested (thousands)	Number Released (thousands)
2009	17,794	9,447	26,462	464	1,074	1,020
2010	11,756	5,467	14,837	316	940	446
2011	17,097	6,195	17,794	1,046	1,647	1,428
2012	20,564	9,030	25,366	1,180	2,054	1,968
2013	29,257	12,930	36,929	921	1,618	1,638
2014	23,578	13,998	39,772	1,203	1,985	2,004
2015	19,035	11,063	33,985	1,662	2,451	1,825
2016	24,536	14,795	43,580	1,147	1,639	1,041
2017	34,767	16,007	46,541	677	875	702
2018	32,491	15,144	42,694	27	89	80

U.S. RECREATIONAL HARVEST AND TOTAL LIVE RELEASES, BY SPECIES GROUP, 2009-2018

Year	Temperate Basses			Toadfishes		
	Pounds Harvested (thousands)	Number Harvested (thousands)	Number Released (thousands)	Pounds Harvested (thousands)	Number Harvested (thousands)	Number Released (thousands)
2009	55,967	6,912	26,928	23	34	3,414
2010	65,829	13,742	30,796	131	101	3,228
2011	63,024	11,023	27,596	31	21	4,400
2012	56,954	10,773	40,938	73	50	4,572
2013	68,308	12,985	47,369	161	156	4,753
2014	50,050	8,219	34,665	89	97	4,695
2015	42,923	9,103	35,820	70	43	4,299
2016	47,070	10,645	47,016	19	43	3,515
2017	40,922	9,855	51,228	107	134	4,608
2018	25,744	6,420	38,912	29	19	3,490

Year	Triggerfishes/Filefishes			Tunas and Mackerels		
	Pounds Harvested (thousands)	Number Harvested (thousands)	Number Released (thousands)	Pounds Harvested (thousands)	Number Harvested (thousands)	Number Released (thousands)
2009	2,098	916	864	68,884	19,859	10,749
2010	1,889	693	881	61,486	29,481	13,360
2011	1,838	677	660	52,526	28,050	13,070
2012	1,511	619	939	61,074	23,242	10,737
2013	2,047	727	1,197	69,741	27,609	18,262
2014	1,984	854	1,115	58,264	21,636	15,498
2015	988	414	2,431	70,647	30,066	12,034
2016	2,817	1,200	4,813	65,543	31,591	11,648
2017	1,739	870	4,279	67,474	31,144	16,608
2018	1,816	626	2,719	60,281	21,703	15,183

Year	Wrasses		
	Pounds Harvested (thousands)	Number Harvested (thousands)	Number Released (thousands)
2009	10,929	3,267	7,917
2010	11,202	3,562	9,174
2011	5,592	1,751	7,614
2012	8,379	2,495	9,397
2013	10,524	3,175	11,433
2014	13,180	3,677	12,433
2015	8,988	2,925	12,317
2016	10,013	2,991	14,979
2017	8,288	2,536	14,776
2018	3,915	1,502	10,310

NOTES: (1) Number or pounds less than 1,000 or less than 1 metric ton.
(2) Louisiana (2014 +) harvest is estimated by numbers only (no weight).
(3) Alaska data not available for current year.
(4) Texas harvest is estimated by numbers only (no weight) and includes only private and for-hire fisheries.
(5) Puerto Rico 2017 estimates only include data through August, due to Hurricane Maria.
(6) Puerto Rico not sampled in 2018.

U.S. RECREATIONAL FINFISH HARVESTED AND RELEASED, 2017 AND 2018

State	2017		
	Pounds Harvested (1) (thousands)	Number Harvested (thousands)	Number Released (1) (thousands)
California	10,106	7,790	5,205
Oregon	2,344	651	151
Washington	2,435	422	99
Connecticut	7,236	4,887	19,379
Maine	1,567	2,212	3,527
Massachusetts	27,725	19,369	31,871
New Hampshire	3,319	3,963	2,906
Rhode Island	5,699	2,944	7,923
Delaware	3,393	1,484	4,045
Maryland	17,651	10,718	28,250
New Jersey	35,909	13,743	41,582
New York	52,989	18,236	83,792
Virginia	19,043	32,482	29,798
Florida	157,209	190,015	272,609
Georgia	6,440	8,683	15,302
North Carolina	27,434	24,993	73,343
South Carolina	11,607	16,979	32,819
Alabama	30,925	18,984	35,780
Louisiana	-	8,870	-
Mississippi	14,999	11,105	21,529
Hawaii	8,013	3,010	421
Texas	-	2,035	-
Alaska	-	1,406	775
Puerto Rico	662	609	178
Grand Total	**446,705**	**405,590**	**711,284**

State	2018		
	Pounds Harvested (1,2) (thousands)	Number Harvested (thousands)	Number Released (1,2) (thousands)
California	14,548	12,517	7,375
Oregon	2,316	541	156
Washington	2,124	400	93
Connecticut	6,042	4,446	17,644
Maine	2,088	3,228	2,968
Massachusetts	16,606	11,378	18,336
New Hampshire	1,690	2,400	1,611
Rhode Island	7,129	5,664	10,569
Delaware	1,131	549	3,646
Maryland	11,121	7,939	20,361
New Jersey	27,820	10,195	34,959
New York	16,877	10,628	42,097
Virginia	11,671	16,558	24,771
Florida	141,672	180,619	271,825
Georgia	7,932	8,873	13,486
North Carolina	20,065	16,167	62,468
South Carolina	8,960	7,099	29,166
Alabama	23,129	16,933	29,385
Louisiana	-	6,337	-
Mississippi	11,991	12,091	16,920
Hawaii	24,093	10,362	1,286
Texas	-	1,717	-
Alaska	-	-	-
Puerto Rico	-	-	-
Grand Total	**359,007**	**346,642**	**609,121**

NOTE: (1) Texas only estimates harvest (no weight or release data) and includes only private and for-hire fisheries.
(2) Louisiana only estimates harvest (no weight or release data)
(3) Oregon and Washington estimates include only private and for-hire fisheries.
(4) Alaska data not available for current year.
(5) Puerto Rico 2017 estimates only include data through August, due to Hurricane Maria.
(6) Puerto Rico not sampled in 2018.

U.S. RECREATIONAL NUMBERS OF ANGLERS AND TRIPS BY STATE, 2017 AND 2018

State	2017			
	Out-of-State Anglers	In-State Anglers		Number of Angler Trips
		From Coastal Counties (1)	From Non-Coastal Counties	
	Numbers in thousands			
California	-	-	-	3,546
Oregon	-	-	-	187
Washington	-	-	-	146
Connecticut	102	296	-	3,937
Maine	145	114	10	1,748
Massachusetts	211	350	38	7,775
New Hampshire	19	24	4	972
Rhode Island	194	132	-	2,318
Delaware	94	80	-	1,991
Maryland	265	353	41	8,343
New Jersey	253	447	16	12,288
New York	62	541	10	16,634
Virginia	263	329	80	6,749
Florida	2,996	2,375	-	82,244
Georgia	57	110	73	4,624
North Carolina	795	481	235	22,452
South Carolina	437	184	93	9,389
Alabama	480	186	246	8,493
Louisiana	-	-	-	2,308
Mississippi	97	153	50	4,852
Hawaii	-	-	-	1,280
Texas	-	-	-	1,144
Alaska	185	119	-	897
Puerto Rico	-	-	-	338
Grand Total (5)				**204,655**

State	2018			
	Out-of-State Anglers	In-State Anglers		Number of Angler Trips
		From Coastal Counties (1,2)	From Non-Coastal Counties	
	Numbers in thousands			
California	-	-	-	5,541
Oregon	-	-	-	210
Washington	-	-	-	127
Connecticut	96	292	-	3,543
Maine	71	57	2	1,626
Massachusetts	169	335	45	6,705
New Hampshire	41	39	8	676
Rhode Island	233	109	-	2,553
Delaware	69	64	-	2,147
Maryland	274	406	30	6,762
New Jersey	322	411	17	12,493
New York	103	605	14	11,242
Virginia	218	324	45	6,386
Florida	2,958	2,419	-	84,983
Georgia	74	91	81	4,593
North Carolina	809	460	268	16,624
South Carolina	569	176	116	9,897
Alabama	551	211	156	6,681
Louisiana	-	-	-	2,276
Mississippi	176	169	78	4,555
Hawaii	-	-	-	3,421
Texas	-	-	-	1,247
Alaska	-	-	-	-
Puerto Rico	-	-	-	-
Grand Total (5)				**194,288**

NOTE: (1) All counties in Rhode Island, Connecticut, Delaware and Florida are considered coastal.; (2) Alaska estimates are presented as coastal, current year data not available.; (3) Puerto Rico, Louisiana, Hawaii, Texas, California, Oregon, and Washington angler data not available.; (4) Out-of-state angler estimates are not additive across states.; (5) Puerto Rico 2017 estimates only include data through August, due to Hurricane Maria.; (6) Puerto Rico not sampled in 2018.

World Fisheries

WORLD AQUACULTURE AND COMMERCIAL CATCHES, 2008-2017

Year	World Aquaculture			World Commercial Catch			Grand Total
	Inland	Marine	Total	Inland	Marine	Total	
	---------- Metric tons ----------			---------- Metric tons ----------			
	Live weight			Live weight			
2008	32,391,078	20,523,725	52,914,803	10,161,145	79,322,125	89,483,270	142,398,073
2009	33,910,939	21,245,549	55,156,488	10,328,043	78,721,914	89,049,957	144,206,445
2010	36,059,110	21,684,095	57,743,205	10,863,861	76,268,797	87,132,658	144,875,863
2011	37,213,354	22,577,864	59,791,218	10,520,084	80,999,490	91,519,574	151,310,792
2012	39,691,262	23,784,911	63,476,173	10,895,497	77,552,280	88,447,777	151,923,950
2013	42,238,425	24,711,559	66,949,984	10,936,985	78,685,923	89,622,908	156,572,892
2014	44,446,731	26,054,481	70,501,212	11,062,926	79,166,914	90,229,840	160,731,052
2015	45,908,727	26,863,920	72,772,647	11,118,517	80,421,536	91,540,053	164,312,700
2016	48,099,843	28,325,895	76,425,739	11,336,487	78,081,381	89,417,868	165,843,607
2017	49,508,798	30,624,790	80,133,588	11,924,137	80,584,184	92,508,321	172,641,909

Note: Data for marine mammals and aquatic plants are excluded.
Source: Food and Agriculture Organization of the United Nations (FAO).

WORLD AQUACULTURE AND COMMERCIAL CATCHES OF FISH, CRUSTACEANS, AND MOLLUSKS, 2016-2017

Species group	2016			2017		
	Aquaculture	Catch	Total	Aquaculture	Catch	Total
	----------Metric tons---------			----------Metric tons---------		
	Live weight			Live weight		
Herrings, sardines, anchovies	-	15,396,302	15,396,302	-	16,621,899	16,621,899
Carps, barbels, cyprinids	27,755,644	1,590,455	29,346,099	28,345,338	1,698,833	30,044,171
Cods, hakes, haddocks	509	9,003,344	9,003,853	521	9,432,754	9,433,275
Tunas, bonitos, billfishes	37,973	7,700,259	7,738,232	37,115	7,877,301	7,914,416
Salmons, trouts, smelts	3,316,746	931,179	4,247,925	3,476,845	999,273	4,476,118
Tilapias	5,581,596	783,725	6,365,321	5,880,586	837,447	6,718,033
Flatfish	189,764	988,707	1,178,471	181,008	962,545	1,143,553
Sharks, rays, chimaeras	-	757,970	757,970	-	652,458	652,458
Shads	590	728,857	729,447	425	804,992	805,417
River eels	251,491	6,821	258,312	259,390	10,432	269,822
Sturgeons, paddlefish	93,565	254	93,819	98,874	259	99,133
Other fishes	13,815,269	38,388,899	52,204,168	15,122,560	39,001,239	52,344,946
Shrimp	5,119,427	3,432,056	8,551,483	5,511,914	3,596,393	9,108,307
Crabs	392,754	1,712,036	2,104,790	402,523	1,865,807	2,047,923
Lobsters	1,687	315,470	317,157	2,070	309,739	311,809
Krill	-	273,750	273,750	-	251,958	251,958
Other crustaceans	2,174,334	782,054	2,956,388	2,526,207	788,268	2,988,849
Clams, cockles, arkshells	5,528,404	561,066	6,089,470	5,658,458	534,813	6,193,271
Oysters	5,415,058	126,033	5,541,091	5,710,522	147,819	5,858,341
Squids, cuttlefishes, octopus	1	3,510,692	3,510,693	2	3,772,565	3,772,567
Mussels	1,964,886	128,347	2,093,233	2,163,784	85,952	2,249,736
Scallops	2,113,266	571,934	2,685,200	2,185,243	631,718	2,816,961
Abalones, winkles, conchs	390,642	157,369	548,011	423,073	170,643	593,716
Other mollusks	1,375,919	985,193	2,361,112	1,253,223	982,006	2,479,488
Sea urchins, other echinoderms	215,376	109,000	324,376	232,524	120,045	352,569
Miscellaneous	690,837	476,096	1,166,933	661,385	351,164	1,168,995
Total	**76,425,739**	**89,417,868**	**165,843,607**	**80,133,588**	**92,508,321**	**172,641,909**

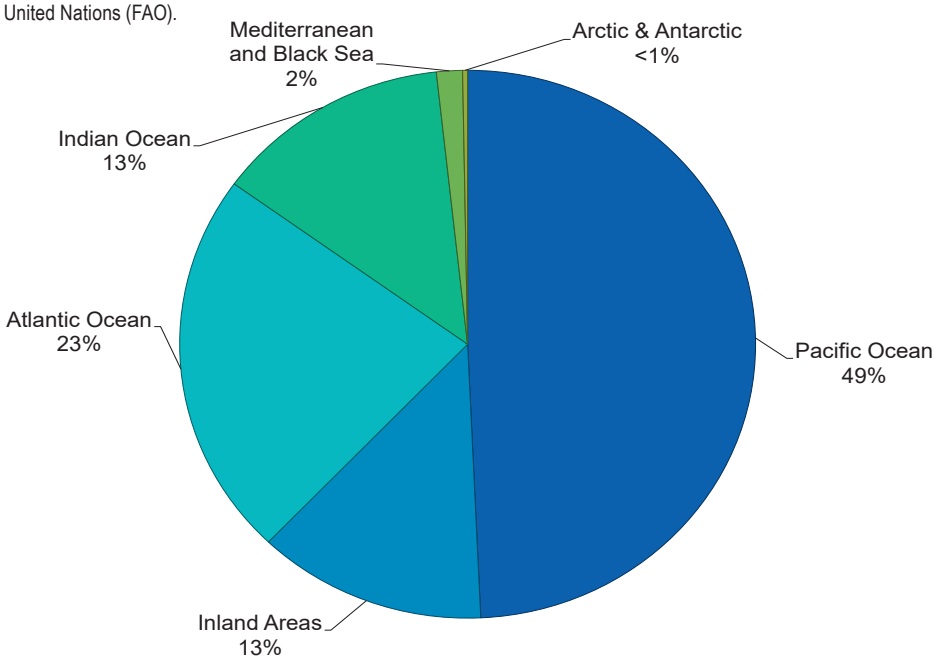
Note: Data for marine mammals and aquatic plants are excluded.
Source: Food and Agriculture Organization of the United Nations (FAO).

WORLD AQUACULTURE AND COMMERCIAL CATCHES BY COUNTRY OF FISH, CRUSTACEANS, AND MOLLUSKS, 2016-2017

Country	2016			2017		
	Aquaculture	Catch	Total	Aquaculture	Catch	Total
	----------Metric tons--------			----------Metric tons--------		
	Live weight			Live weight		
China	45,815,988	15,787,555	61,603,543	46,823,949	15,373,196	62,197,145
Indonesia	4,900,612	6,542,258	11,442,870	6,150,000	6,688,739	12,838,739
India	5,700,000	5,061,756	10,761,756	6,180,000	5,427,678	11,607,678
Vietnam	3,570,402	3,127,606	6,698,008	3,820,960	3,277,574	7,098,534
United States	444,679	4,903,483	5,348,162	439,670	5,036,112	5,475,782
Russia	172,792	4,759,476	4,932,268	185,027	4,869,316	5,054,343
Peru	100,186	3,796,978	3,897,164	100,453	4,157,414	4,257,867
Bangladesh	2,203,554	1,674,770	3,878,324	2,333,352	1,801,084	4,134,436
Japan	676,766	3,193,105	3,869,871	615,060	3,204,342	3,819,402
Norway	1,326,157	2,033,818	3,359,975	1,308,485	2,368,438	3,676,922
Myanmar	1,017,614	2,072,390	3,090,004	1,048,692	2,150,400	3,199,092
Chile	1,035,254	1,497,230	2,532,484	1,202,948	1,918,958	3,121,906
Philippines	796,393	2,024,828	2,821,221	822,466	1,887,058	2,709,524
Thailand	881,181	1,530,546	2,411,727	889,891	1,479,367	2,369,258
South Korea	507,962	1,364,932	1,872,894	545,056	1,357,795	1,902,851
Mexico	221,304	1,510,754	1,732,058	243,283	1,628,669	1,871,952
Egypt	1,370,660	336,615	1,707,275	1,451,841	370,959	1,822,800
Malaysia	201,898	1,580,291	1,782,189	224,550	1,470,269	1,694,819
Morocco	1,142	1,447,020	1,448,162	1,198	1,377,454	1,378,652
Brazil	590,000	704,186	1,294,186	595,000	704,123	1,299,123
All others	4,891,195	24,468,271	29,359,466	5,151,707	25,959,376	31,111,083
Total	**76,425,739**	**89,417,868**	**165,843,607**	**80,133,588**	**92,508,321**	**172,641,909**

Note: For the U.S., the weight of clams, oysters, scallops, and other mollusks includes the shell weight. This weight is not included in U.S. landings shown else where. Data for marine mammals and aquatic plants are excluded.
Source: Food and Agriculture Organization of the United Nations (FAO).

World Aquaculture and Commercial Catches, By Area, 2017



WORLD AQUACULTURE AND COMMERCIAL CATCHES BY AREA OF FISH, CRUSTACEANS, AND MOLLUSKS, 2016-2017

Marine Areas	2016			2017		
	Aquaculture	Catch	Total	Aquaculture	Catch	Total
	----------Metric tons---------			----------Metric tons---------		
	Live weight			Live weight		
Atlantic Ocean:						
Northeast	2,117,673	8,315,248	10,432,921	2,161,342	9,309,821	11,471,163
Northwest	132,474	1,815,723	1,948,197	125,722	1,755,861	1,881,583
Eastern central	8,871	4,779,356	4,788,227	7,799	5,085,264	5,093,063
Western central	153,608	1,540,479	1,694,087	161,209	1,452,984	1,614,193
Southeast	3,893	1,699,555	1,703,448	3,677	1,654,298	1,657,975
Southwest	80,432	1,563,872	1,644,304	80,949	1,828,125	1,909,074
Mediterranean and						
Black Sea	488,795	1,253,236	1,742,031	522,971	1,348,299	1,871,270
Indian Ocean:						
Eastern	568,531	6,396,515	6,965,046	604,137	6,966,875	7,571,012
Western	606,492	4,929,489	5,535,981	760,831	5,344,813	6,105,644
Pacific Ocean:						
Northeast	134,835	3,111,379	3,246,214	130,093	3,379,432	3,509,525
Northwest	18,371,602	20,932,719	39,304,321	19,111,989	20,234,899	39,346,888
Eastern central	213,649	1,638,763	1,852,412	249,580	1,739,771	1,989,351
Western central	3,835,060	13,046,188	16,881,248	4,910,820	12,530,652	17,441,472
Southeast	1,498,130	6,305,433	7,803,563	1,674,624	7,223,740	8,898,364
Southwest	111,850	474,667	586,517	119,045	471,654	590,699
Arctic	-	52	52	-	418	418
Antarctic	-	278,707	278,707	-	257,278	257,278
Inland Areas:						
Africa	1,958,429	2,842,403	4,800,832	2,044,034	2,975,602	5,019,636
Asia	44,494,045	7,436,080	51,930,125	45,796,836	7,936,100	53,732,936
Europe	501,825	439,477	941,302	510,181	421,385	931,566
North America	426,653	261,934	688,587	424,673	222,577	647,250
South America	713,924	338,644	1,052,568	727,873	350,335	1,078,208
Oceania	4,968	17,949	22,917	5,201	18,138	23,339
Total	**76,425,739**	**89,417,868**	**165,843,607**	**80,133,588**	**92,508,321**	**172,641,909**

Note: Data for marine mammals and aquatic plants are excluded.
Source: Food and Agriculture Organization of the United Nations (FAO).

WORLD IMPORTS AND EXPORTS OF SEVEN FISHERY COMMODITY GROUPS, BY LEADING COUNTRIES, 2013-2017

Country	2013	2014	2015	2016	2017
	Thousand U.S. dollars				
IMPORTS:					
United States	18,975,440	21,305,873	19,820,311	20,546,742	21,639,466
Japan	15,318,515	14,844,738	13,460,585	13,878,490	14,997,942
China	7,982,251	8,501,380	8,467,702	8,783,461	10,679,437
Spain	6,390,868	6,982,926	6,440,496	7,107,504	7,979,020
France	6,506,220	6,596,651	5,730,886	6,177,285	6,698,942
Italy	5,732,819	6,094,933	5,537,898	6,152,964	6,546,856
Germany	5,414,454	6,029,092	5,132,326	5,601,465	5,718,418
South Korea	3,644,958	4,271,146	4,349,541	4,604,070	5,103,715
Sweden	4,485,660	4,783,346	4,424,106	5,187,383	4,930,538
Netherlands	3,191,772	3,679,566	3,055,765	3,328,223	4,294,914
Other Countries	55,800,587	58,211,843	51,219,573	53,648,066	57,754,483
Total	**133,443,544**	**141,301,494**	**127,639,189**	**135,015,653**	**146,343,731**
EXPORTS:					
China	19,539,377	20,984,231	19,737,723	20,131,384	20,524,313
Norway	10,367,544	10,802,761	9,187,704	10,770,007	11,282,174
Viet Nam	6,886,846	8,028,649	6,756,070	7,320,009	8,542,597
India	4,601,717	5,600,900	4,871,591	5,546,049	7,173,609
United States	5,963,088	6,143,310	5,911,022	5,812,480	6,088,538
Thailand	7,057,194	6,633,959	5,677,394	5,892,629	6,015,280
Chile	4,985,211	5,854,098	4,812,362	5,143,365	5,991,129
Canada	4,364,195	4,527,531	4,704,012	5,004,046	5,351,728
Netherlands	3,461,679	4,032,476	3,612,174	4,182,424	5,260,237
Denmark	4,664,309	4,764,274	4,269,659	4,696,072	4,870,598
Other Countries	67,531,405	71,217,506	63,738,707	68,111,415	75,364,894
Total	**139,422,565**	**148,589,695**	**133,278,418**	**142,609,880**	**156,465,097**

NOTE: Data for 2013-2016 are revised and for 2017 are preliminary. Data on imports and exports cover the international trade of 205 countries or areas. Usually, exports are recorded at their free-on-board (FOB) value, while imports are recorded at their cost, insurance, and freight (CIF) value. Therefore, at the world level, the value of imports should be higher than that of exports. However, since 2011, this has not been the case. Work is underway to better understand the reasons for this anomalous trend.

The seven fishery commodity groups covered by this table are: 1. Fish-fresh, chilled or frozen; 2. Fish-dried, salted, or smoked; 3. Crustaceans and mollusks-fresh, dried, salted, etc.; 4. Fish products and preparations, whether or not in airtight containers; 5. Crustacean and mollusk products preparations, whether or not in airtight containers; 6. Oils and fats, crude or refined, of aquatic animal origin; and 7. Meals, solubles, and similar animal foodstuffs of aquatic animal origin.

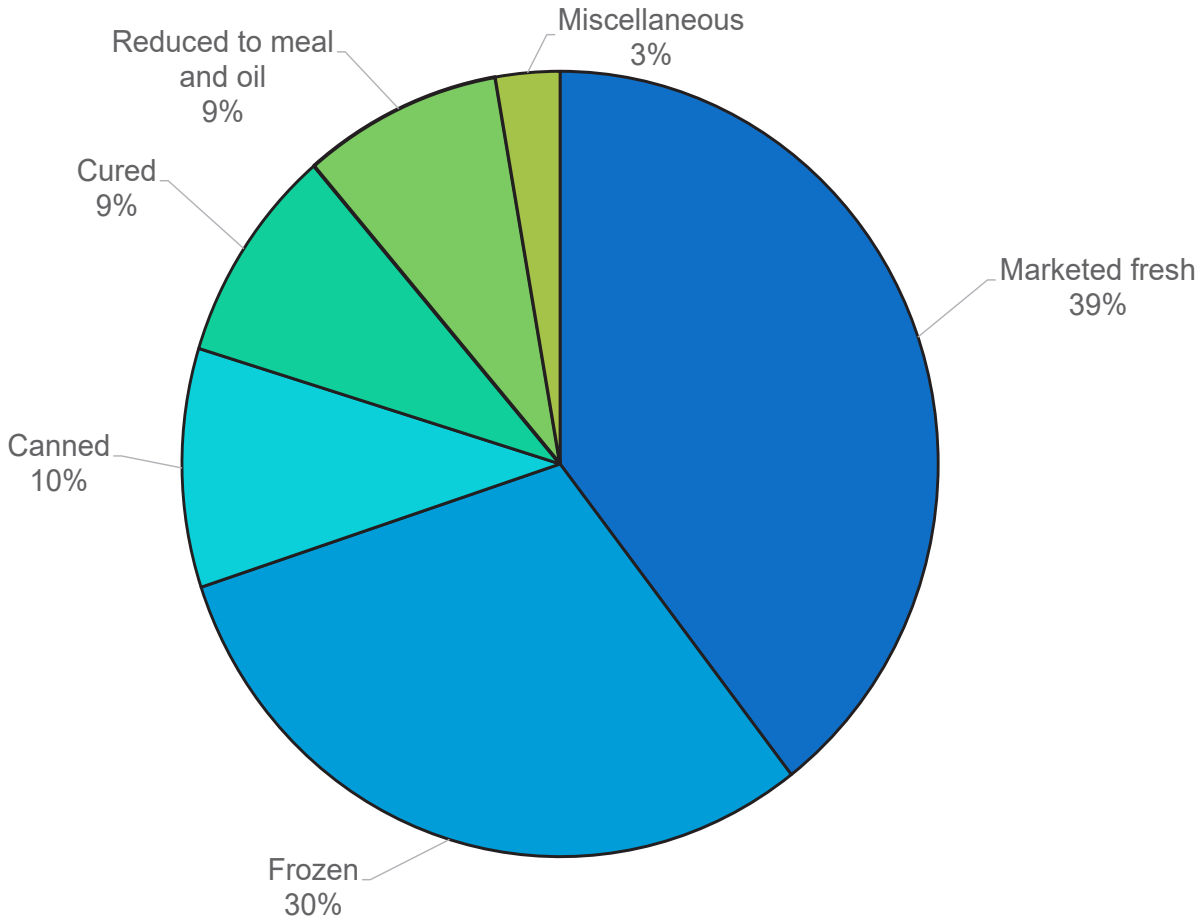
Source: Food and Agriculture Organization of the United Nations (FAO).

DISPOSITION OF WORLD AQUACULTURE AND COMMERCIAL CATCHES, 2013-2017

Item	2013	2014	2015	2016	2017
	Percent of Total				
Marketed fresh	36	37	39	39	39
Frozen	31	32	30	31	30
Canned	11	11	10	10	10
Cured	9	9	9	9	9
Reduced to meal and oil (1)	10	9	9	8	9
Miscellaneous purposes	3	3	3	3	3
Total	**100**	**100**	**100**	**100**	**100**

NOTE: Data for 2013-2016 are revised and are preliminary for 2017. Data for marine mammals and aquatic plants are excluded.
(1) Only whole fish destined for the manufacture of oils and meals are included. Raw material for reduction derived from fish primarily destined for marketing fresh, frozen, canned, cured, and miscellaneous purposes is excluded; such waste quantities are included under the other disposition channels.
Source: Food and Agriculture Organization of the United Nations (FAO).

Disposition of World Aquaculture and Commercial Catches, 2017



Processed Fishery Products

Processed Fishery Products

FRESH AND FROZEN

FISH STICKS AND PORTIONS. The combined production of fish sticks and portions was 129 million pounds valued at $232.6 million compared with the 2017 production of 155.4 million pounds valued at $262.3 million. The total production of fish sticks amounted to 55.1 million pounds valued at $93.2 million. The total production of fish portions amounted to 73.6 million pounds valued at $139.3 million.

FISH FILLETS AND STEAKS. In 2018, the U.S. production of raw (uncooked) fish fillets and steaks, including blocks, was 750.7 million pounds, 49.7 million pounds less than the 800.4 million pounds in 2017 due to decreases in anglerfish, cod, hake, and Atlantic pollock fillets. There were also notable decreases in bluefish, haddock, and tilapia. However, there were increases in dolphinfish and Atlantic ocean perch. All fillets and steaks were valued at $2.2 billion. Alaska pollock fillets and blocks continue to lead all species with 441.6 million pounds–a decrease from the 455.3 million pounds in 2017, representing 59 percent of the total. Production of groundfish fillets and steaks (cod, hake, ocean perch, pollock, cusk, and haddock) was 567.3 million pounds, a decrease of 39 million pounds from 2017.

BREADED SHRIMP. The production of breaded shrimp in 2018 was 84.4 million pounds valued at $338.9 million. This represents an increase in volume and a decrease in value from the 2017 production of 84.2 million pounds valued at $344.3 million.

CANNED PRODUCTS

CANNED FISHERY PRODUCTS. The pack of canned fishery products in the 50 states, American Samoa, and Puerto Rico was 665.1 million pounds valued at $1.2 billion—a decrease in volume of 190.4 million pounds and $122.7 million dollars compared to 2017. The 2018 pack included 497.1 million pounds with a value of $1.1 billion for human consumption and 168.1 million pounds valued at $128 million for bait and animal food.

CANNED SALMON. The 2018 U.S. pack of salmon was 65.6 million pounds valued at $185.7 million, decreases in volume and value from the 2017 levels of 133.9 million pounds and $309.6 million.

CANNED TUNA. The U.S. pack of tuna was 346.4 million pounds valued at $775.9 million—increases of 12.5 million pounds in volume and $98.2 million in value compared with the 2017 pack. The pack of albacore tuna was 145.6 million pounds comprising 42 percent of the tuna pack in 2018. Lightmeat tuna (bigeye, bluefin, skipjack, and yellowfin) comprised the remainder with a pack of 200.8 million pounds.

CANNED CLAMS. The 2018 U.S. pack of clams (whole, minced, chowder, juice, and specialties) was 64.3 million pounds valued at $107.1 million. The pack of whole and minced clams was 33.9 million pounds. Clam chowder and clam juice was 30.4 million pounds and was surpassed by whole and minced clams in volume and value.

OTHER CANNED ITEMS. The pack of pet food and bait was 168.1 million pounds valued at $128 million—decreases in volume and value compared to 2017.

INDUSTRIAL FISHERY PRODUCTS

INDUSTRIAL FISHERY PRODUCTS. The value of the domestic production of industrial fishery products was $754 million—an increase of $73.8 million compared with the 2017 value.

FISH MEAL. The domestic production of fish and shellfish meal was 630.3 million pounds valued at $418.1 million, increases of 61.4 million pounds and $38.3 million compared with 2017. Most of this production was fish meal (630.1 million pounds) while shellfish meal production was 0.16 million pounds—a decrease of 220 thousand pounds from the 2017 level.

FISH OILS. The domestic production of fish oils was 154.8 million pounds (approximately 20 million gallons) valued at $114.8 million, an increase of 42.5 million pounds and $6.6 million in value compared with 2017 production.

OTHER INDUSTRIAL PRODUCTS. Oyster shell products, agar-agar, animal feeds, crab and clam shells processed for food serving, fish pellets, Irish moss extracts, kelp products, dry and liquid fertilizers, and mussel shell buttons were valued at $220.7 million.

METHODOLOGY

The NMFS Annual Survey of U.S. Seafood Processors is the only comprehensive, national survey that focuses on the domestic seafood processing industry. The resulting data are reported in this section of Fisheries of the United States, as well as reports of the Food and Agriculture Organization of the United Nations (FAO) and NMFS Fisheries Economics of the United States. The data are also used in commercial fisheries disposition calculations, annual per-capita consumption figures, and other reports.

The survey is voluntary in all regions except the Northeast. In the Northeast, it is mandatory for processors with a federal dealer/processing permit to provide the requested data.

The survey instrument is a paper form that asks for monthly employment figures, a list of product types, and the volume and value of each product processed in the previous year. Space is provided for the company to fill in new products. The survey forms are produced by the NMFS Office of Science and Technology and are mailed to five different regional contacts. Each region then proceeds slightly differently:

- Northeast – The distribution of forms to companies is overseen by a lead port agent. Other port agents assist with collecting information from the companies in their area. Dealer permits are not renewed if the processor has not provided the required data.
- Southeast and Gulf – Forms are distributed through the Southeast Fishery Science Center to the port agents along the coast who are then responsible for obtaining the data from the companies.
- Southwest and Northwest – Forms are distributed through, and returned to, the Pacific States Marine Fisheries Commission office under an agreement with NMFS.
- Pacific Islands – Forms are distributed and collected by Pacific Islands Regional Office staff.

The companies in the survey are those that have reported previously or have been found by research or word-of-mouth. Adding companies in order to have a more complete data frame is a constant goal throughout the year.

Forms are returned to the Office of Science and Technology for data entry. Follow up contact may be attempted to clarify data that is excluded or unclear. Because the survey is voluntary, we do not receive data from every company we contact. We employ various estimation and alternate data collection methods:

- Most Alaska data are obtained from the Alaska Fisheries Information Network (AKFIN).
- Data on Alaskan salmon processing come from the Alaska Department of Fish and Game.
- USDA reports provide data on rainbow trout processing and catfish data are estimated from USDA catfish production numbers.
- Data from the NOAA Seafood Inspection Program are used to estimate the data for companies that have not reported to the Survey of Fishery Processors but are included in the inspection program.
- Imputation is used to estimate the remaining missing companies.

Starting with this edition, the Processed Fishery Product section includes tables displaying data on the number of domestic seafood processors and wholesalers as well as employment numbers of these establishments. The data for these tables were not collected by NMFS but were collected by the Bureau of Labor Statistics (BLS). Numbers of plants and wholesalers and employment figures are based on the North American Classfication System (NAICS) and, therefore, it can not be assumed that the number of companies surveyed by the BLS is comparable to the number of companies surveyed by NMFS.

VALUE OF PROCESSED FISHERY PRODUCTS, 2017 AND 2018
(Processed from domestic catch and imported products)

Item	2017 (1)		2018	
	Thousand dollars	Percent of total	Thousand dollars	Percent of total
Edible:				
Fresh and frozen	9,672,135	81	9,332,525	81
Canned	1,116,795	9	1,090,885	9
Cured	287,337	2	274,419	2
Total edible	**11,076,266**	**92**	**10,697,829**	**92**
Industrial:				
Bait and animal food	239,752	2	144,028	1
Meal and oil	487,980	4	532,845	5
Other	199,992	2	212,453	2
Total industrial	**927,723**	**8**	**889,326**	**8**
Grand total	**12,003,989**	**100**	**11,587,155**	**100**

Note: Value is based on selling price at the plant.
(1) Revised based on additional data.

U.S. PRODUCTION OF FISH STICKS, FISH PORTIONS, AND BREADED SHRIMP, 2009-2018

Year	Fish sticks			Fish portions			Breaded shrimp		
	Thousand pounds	Metric tons	Thousand dollars	Thousand pounds	Metric tons	Thousand dollars	Thousand pounds	Metric tons	Thousand dollars
2009	82,461	37,404	120,615	204,491	92,757	310,213	74,172	33,644	159,416
2010	79,586	36,100	125,258	140,584	63,768	291,569	97,124	44,055	251,594
2011	74,451	33,771	113,069	141,849	64,342	277,466	116,935	53,041	562,928
2012	80,034	36,303	104,829	172,051	78,042	345,686	92,460	41,940	240,976
2013	58,214	26,406	87,430	151,721	68,820	259,504	79,740	36,170	193,837
2014	58,545	26,556	87,487	146,594	66,495	255,725	109,293	49,575	311,211
2015	66,289	30,068	96,217	152,633	69,234	281,833	107,929	48,956	379,688
2016	55,398	25,128	84,420	103,433	46,917	180,072	106,003	48,083	379,862
2017	55,245	25,059	85,085	100,135	45,421	177,179	84,235	38,209	344,274
2018	55,087	24,987	93,248	73,620	33,394	139,313	84,391	38,280	338,958

PRODUCTION OF FRESH AND FROZEN FILLETS AND STEAKS, BY SPECIES, 2017 AND 2018

Species	2017 (1)			2018		
	Thousand pounds	Metric tons	Thousand dollars	Thousand pounds	Metric tons	Thousand dollars
Fillets:						
Amberjack	72	33	668	8	4	64
Anglerfish	1,100	499	5,038	604	274	3,015
Bluefish	168	76	491	64	29	230
Cobia	42	19	542	25	11	309
Cod	72,488	32,880	318,348	62,365	28,288	332,436
Cusk	11	5	60	10	5	33
Dolphinfish	2,788	1,265	16,427	3,176	1,441	15,302
Flounders	11,888	5,392	49,941	9,792	4,442	43,785
Groupers	1,201	545	15,206	1,462	663	18,935
Haddock	11,233	5,095	52,912	8,068	3,660	42,255
Hake	54,761	24,839	71,502	50,817	23,051	66,317
Halibut	4,694	2,129	42,549	4,483	2,033	46,441
Lingcod	157	71	761	196	89	906
Ocean perch:						
Atlantic	1,166	529	3,526	1,847	838	7,851
Pacific	1,400	635	3,043	1,838	834	5,036
Opah	188	85	1,863	482	219	1,546
Patagonian Toothfish	585	265	13,009	524	238	11,632
Pollock:						
Atlantic	9,931	4,505	15,898	789	358	2,759
Alaska	455,341	206,541	582,604	441,590	200,304	608,493
Rockfishes	2,874	1,304	8,587	3,198	1,451	9,187
Sablefish	255	116	4,023	268	122	3,478
Salmon	126,989	57,602	687,732	118,031	53,539	690,843
Sea bass	530	240	3,522	311	141	2,447
Sea trout	67	30	474	54	24	439
Shark	398	181	1,364	470	213	843
Snapper	1,330	603	12,665	1,379	626	12,266
Striped bass	379	172	3,196	374	170	3,193
Swordfish	2,602	1,180	23,126	3,068	1,392	27,739
Tilapia	6,990	3,171	23,734	5,672	2,573	20,970
Tuna	10,669	4,839	110,337	11,127	5,047	104,430
Wahoo	360	163	2,698	419	190	2,215
Yellowtail Jack	122	55	1,001	187	85	1,291
Unclassified	12,367	5,610	69,708	12,696	5,759	70,672
Total Fillet	**795,146**	**360,676**	**2,146,555**	**745,394**	**338,109**	**2,157,359**
Steaks:						
Halibut	609	276	6,874	777	352	8,688
Salmon	(2)	(2)	(2)	(2)	(2)	(2)
Swordfish	1,673	759	6,246	1,672	758	6,236
Tuna	941	427	9,313	830	376	8,562
Unclassified	2,046	928	8,476	2,065	937	8,556
Total Steaks	**5,269**	**2,390**	**30,909**	**5,344**	**2,424**	**32,042**
Grand total	**800,415**	**363,066**	**2,177,464**	**750,738**	**340,533**	**2,189,401**

(1) Revised based on additional data.
(2) Included in unclassified.
Note: Some fillet products were further processed into frozen blocks.

PRODUCTION OF CANNED FISHERY PRODUCTS, BY SPECIES, 2017 AND 2018

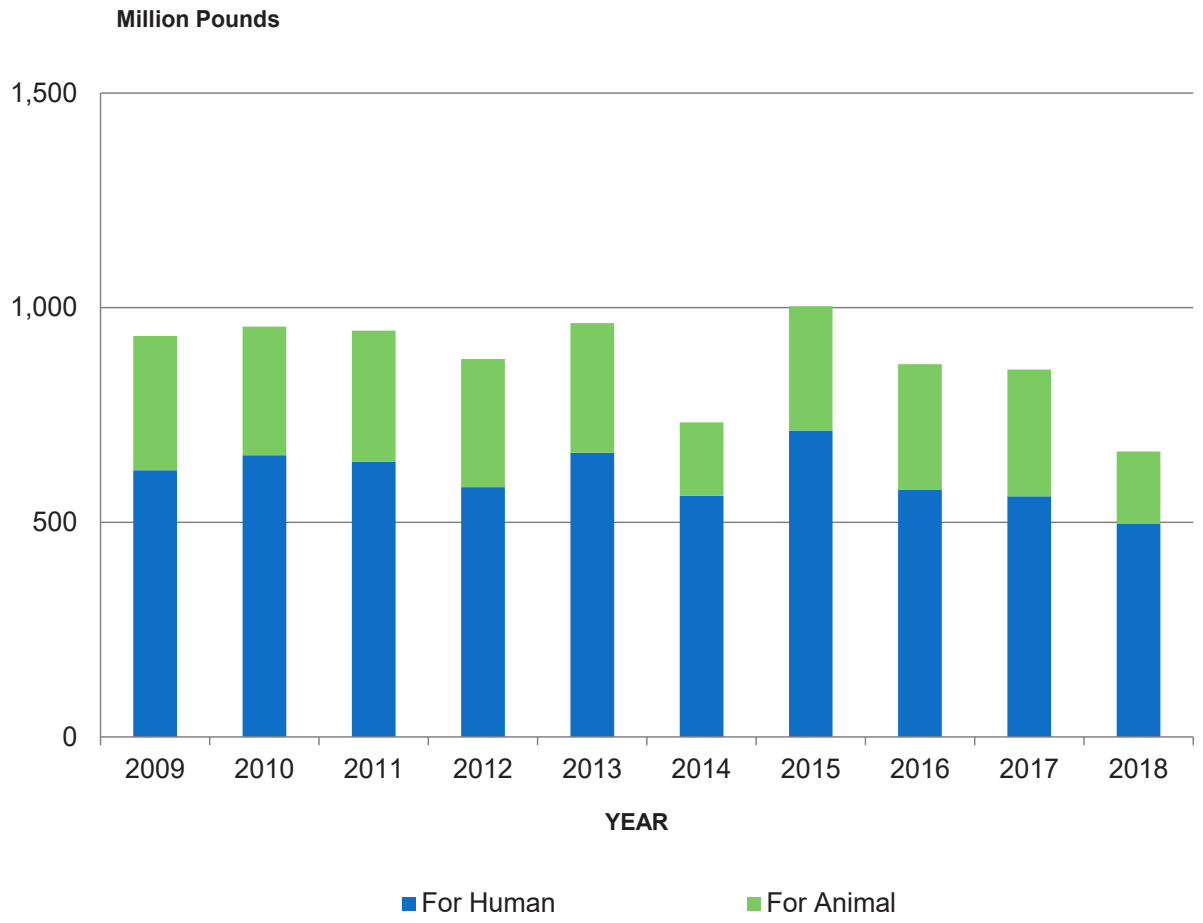
Species	Pounds per case	2017 (1)			2018		
		Standard cases	Thousand pounds	Thousand dollars	Standard cases	Thousand pounds	Thousand dollars
For human consumption:							
Fish:							
Salmon:							
Chinook	44.25	113	5	59	181	8	86
Chum	44.25	14,395	637	1,036	16,271	720	1,095
Pink	44.25	1,806,960	79,958	162,237	993,672	43,970	97,378
Coho	44.25	651,119	28,812	60,459	116,633	5,161	2,284
Sockeye	44.25	552,904	24,466	85,802	355,390	15,726	84,833
Total salmon		**3,025,492**	**133,878**	**309,593**	**1,482,147**	**65,585**	**185,676**
Specialties	48	4,333	208	1,897	4,229	203	1,588
Tuna: (2)							
Albacore:							
Solid	18	5,989,333	107,808	280,599	6,856,333	123,414	338,260
Chunk	18	1,286,444	23,156	52,690	1,234,278	22,217	51,789
Total albacore		**7,275,778**	**130,964**	**333,289**	**8,090,611**	**145,631**	**390,049**
Lightmeat:							
Solid	18	665,333	11,976	33,073	569,111	10,244	33,038
Chunk	18	10,609,611	190,973	311,359	10,585,111	190,532	352,813
Total lightmeat		**11,274,944**	**202,949**	**344,432**	**11,154,222**	**200,776**	**385,851**
Total tuna		**18,550,722**	**333,913**	**677,721**	**19,244,833**	**346,407**	**775,900**
Specialties	48	42	2	26	42	2	26
Other	48	3,125	150	394	2,354	113	433
Total fish	–	**21,583,714**	**468,151**	**989,631**	**20,733,605**	**412,310**	**963,623**
Shellfish:							
Clam and clam products: (3)							
Whole and minced	15	2,358,133	35,372	79,939	2,259,933	33,899	77,898
Chowder and juice	30	927,300	27,819	26,136	1,013,133	30,394	29,156
Specialties	48	(5)	(5)	(5)	(5)	(5)	(5)
Total clams	–	**3,285,433**	**63,191**	**106,075**	**3,273,067**	**64,293**	**107,054**
Crab meat and specialties:	20	7,846	153	607	4,154	81	314
Oyster, specialties	48	**(5)**	**(5)**	**(5)**	**(5)**	**(5)**	**(5)**
Shrimp, natural (4)	6.75	(5)	(5)	(5)	(5)	(5)	(5)
Other	48	600,542	28,826	20,480	424,417	20,372	19,992
Total shellfish	–	**3,893,821**	**92,170**	**127,162**	**3,701,637**	**84,746**	**127,360**
Total for human consumption	–	**25,477,535**	**560,321**	**1,116,793**	**24,435,242**	**497,056**	**1,090,983**
For bait and animal food	**48**	**6,150,625**	**295,230**	**224,919**	**3,501,917**	**168,092**	**128,017**
Grand total	–	**31,628,160**	**855,551**	**1,341,712**	**27,937,159**	**665,148**	**1,219,000**

(1) Revised based on additional data.
(2) Flakes included with chunk.
(3) "Cut out" or "drained" weight of can contents are given for whole or minced clams and net contents for other clam products.
(4) Drained weight.
(5) Confidential included with "Other".

PRODUCTION OF CANNED FISHERY PRODUCTS, 2009-2018

Year	For human consumption			For animal food and bait			Total		
	Thousand pounds	Metric tons	Thousand dollars	Thousand pounds	Metric tons	Thousand dollars	Thousand pounds	Metric tons	Thousand dollars
2009	621,256	281,800	1,190,067	312,887	141,925	217,699	934,143	423,724	1,407,766
2010	656,420	297,750	1,196,346	299,300	135,762	217,583	955,720	433,512	1,413,929
2011	640,917	290,588	1,251,332	305,906	138,209	224,953	946,823	429,476	1,476,285
2012	581,908	263,952	1,373,011	298,667	135,474	241,663	880,575	399,426	1,614,674
2013	662,435	300,478	1,533,585	301,659	135,477	246,336	964,094	437,310	1,779,921
2014	561,750	254,808	1,226,636	171,104	77,612	149,822	732,854	332,420	1,376,458
2015	713,912	323,828	1,303,371	289,414	131,277	216,256	1,003,326	455,106	1,519,627
2016	576,283	261,400	1,018,655	292,292	132,583	220,031	868,575	393,983	1,238,686
2017	560,321	254,160	1,116,793	295,230	133,915	224,919	855,551	388,075	1,341,712
2018	497,056	225,463	1,090,983	168,092	76,246	128,017	665,148	301,709	1,219,000

Production of Canned Fishery Products, 2009-2018



Processed Fishery Products

PRODUCTION OF MEAL AND OIL, 2017 AND 2018

Product	2017			2018		
	Thousand pounds	Metric tons	Thousand dollars	Thousand pounds	Metric tons	Thousand dollars
Dried scrap and meal:						
Fish	568,497	257,868	379,508	630,091	285,807	417,938
Shellfish	385	175	298	165	75	135
Total, scrap and meal	**568,882**	**258,043**	**379,806**	**630,256**	**285,882**	**418,073**
Body oil, total	**112,253**	**50,918**	**108,175**	**154,777**	**70,206**	**114,771**

Note: To convert pounds of oil to gallons divide by 7.75.
The above data include products in American Samoa and Puerto Rico.

PRODUCTION OF INDUSTRIAL PRODUCTS, 2009-2018

Year	Scrap and Meal		Marine Animal Oil		Meal and Oil	Other Industrial Products	Grand Total
	Thousand pounds	Metric tons	Thousand pounds	Metric tons	- - - - - - -Thousand dollars - - - - - - -		
2009	472,805	214,463	168,157	76,276	227,438	61,657	289,095
2010	487,692	221,216	136,362	61,853	218,937	64,040	282,977
2011	620,823	281,603	143,171	64,942	301,462	133,640	435,102
2012	585,565	265,611	115,090	52,204	335,188	162,341	497,529
2013	508,057	230,453	175,877	79,777	298,709	180,073	478,780
2014	515,000	233,602	139,005	63,052	384,700	206,251	590,951
2015	611,082	277,185	139,951	63,481	494,463	204,750	699,213
2016	559,859	253,950	177,459	80,495	379,280	186,693	565,973
2017	568,882	258,043	112,253	50,918	487,981	191,759	679,740
2018	630,256	285,882	154,777	70,206	532,844	220,734	753,578

PROCESSORS AND WHOLESALERS: PLANTS AND EMPLOYMENT, 2017

Area and State	Processing (1)		Wholesale (2)		Total	
	Plants	Employment	Plants	Employment	Plants	Employment
	Number					
New England:						
Maine	35	756	184	1,388	219	2,144
New Hampshire	7	(3)	10	98	17	95
Massachusetts	50	2226	152	2,418	202	4,644
Rhode Island	9	(3)	30	(3)	39	(3)
Connecticut	4	78	19	(3)	23	78
Total	**105**	**3,057**	**395**	**3,904**	**500**	**6,961**
Middle Atlantic:						
New York	20	408	282	2,229	302	2,637
New Jersey	19	604	76	979	95	1,583
Pennsylvania	5	88	33	737	38	825
Delaware	3	(3)	7	24	10	24
District of Columbia	-	-	3	(3)	3	(3)
Maryland	18	355	43	764	61	1,119
Virginia	35	1,444	63	533	98	1,977
Total	**100**	**2,899**	**507**	**5,266**	**607**	**8,165**
South Atlantic:						
North Carolina	27	665	65	694	92	1,359
South Carolina	3	(3)	22	170	25	170
Georgia	6	720	36	810	42	1,530
Florida	41	1,634	311	2,638	352	4,272
Total	**77**	**3,019**	**434**	**4,312**	**511**	**7,331**
Gulf:						
Alabama	34	1,431	13	253	47	1,684
Mississippi	23	2,468	21	126	44	2,594
Louisiana	63	1,697	103	735	166	2,432
Texas	51	1,623	140	1,383	191	3,006
Total	**171**	**7,219**	**277**	**2,497**	**448**	**9,716**
Pacific:						
Alaska	142	9,445	13	51	155	9,496
Washington	85	5,850	154	1,692	239	7,542
Oregon	32	1,172	27	525	59	1,697
California	42	1,074	409	4,955	451	6,029
Hawaii	2	(3)	35	721	37	721
Total	**303**	**17,541**	**638**	**7,944**	**941**	**25,485**
Inland States or Other						
Areas (4): Total	**60**	**1,844**	**247**	**3,503**	**307**	**5,347**
Grand Total	**816**	**35,579**	**2,498**	**27,426**	**3,314**	**63,005**

(1) Data are based on North American Industry Classification System (NAICS) 3117 as reported to the Bureau of Labor Statistics.
(2) Data are based on North American Industry Classification System (NAICS) 42446 as reported to the Bureau of Labor Statistics.
(3) Included with Inland States.
(4) Includes Puerto Rico and Virgin Islands

Processed Fishery Products

PROCESSORS AND WHOLESALERS: PLANTS AND EMPLOYMENT, 2018

Area and State	Processing (1)		Wholesale (2)		Total	
	Plants	Employment	Plants	Employment	Plants	Employment
	----------Number----------					
New England:						
Maine	33	742	185	1,360	218	2,102
New Hampshire	7	(3)	12	98	19	98
Massachusetts	45	2457	163	2,406	208	4,863
Rhode Island	8	212	30	(3)	38	(3)
Connecticut	4	80	21	(3)	25	80
Total	**97**	**3,491**	**411**	**3,864**	**508**	**7,143**
Middle Atlantic:						
New York	22	388	276	2,185	298	2,573
New Jersey	18	496	82	1074	100	1,570
Pennsylvania	4	84	29	703	33	787
Delaware	4	(3)	8	24	12	24
District of Columbia	-	-	3	(3)	3	(3)
Maryland	19	321	44	809	63	1,130
Virginia	36	1,329	64	522	100	1,851
Total	**103**	**2,618**	**506**	**5,317**	**609**	**7,935**
South Atlantic:						
North Carolina	26	680	69	796	95	1,476
South Carolina	4	17	23	169	27	186
Georgia	7	717	31	801	38	1,518
Florida	42	1,579	321	2,706	363	4,285
Total	**79**	**2,993**	**444**	**4,472**	**523**	**7,465**
Gulf:						
Alabama	34	1,451	13	255	47	1,706
Mississippi	23	2,432	22	123	45	2,555
Louisiana	61	1,592	106	758	167	2,350
Texas	48	1,542	153	1,414	201	2,956
Total	**166**	**7,017**	**294**	**2,550**	**460**	**9,567**
Pacific:						
Alaska	146	8,808	13	90	159	8,898
Washington	82	5,736	161	1,721	243	7,457
Oregon	34	1,245	29	525	63	1,770
California	45	1,081	431	4,966	476	6,047
Hawaii	3	(3)	32	713	35	713
Total	**310**	**16,870**	**666**	**8,015**	**976**	**24,885**
Inland States or Other						
Areas (4): Total	**63**	**1,590**	**301**	**3,675**	**364**	**5,265**
Grand Total	**818**	**34,579**	**2,622**	**27,893**	**3,440**	**62,472**

(1) Data are based on North American Industry Classification System (NAICS) 3117 as reported to the Bureau of Labor Statistics.
(2) Data are based on North American Industry Classification System (NAICS) 42446 as reported to the Bureau of Labor Statistics.
(3) Included with Inland States.
(4) Includes Puerto Rico and Virgin Islands

U.S. Foreign Trade in Fishery Products

Foreign Trade

The data used in this section are from the U.S. Census Bureau Merchandise Trade Statistics for 2018 as revised on June 6, 2019, (FT900: U.S. International Trade in Goods and Services). Data for imports and exports are primarily compiled from records filed with U.S. Customs and Border Protection. Data for U.S. exports to Canada are based on import documents filed with Canadian agencies and forwarded to the U.S. Census Bureau. Estimates are made for low-value imports or exports by trading partner and are based on bilateral trade patterns. See http://www.census.gov/foreign-trade/index.html for more information.

IMPORTS

U.S. imports of edible fishery products in 2018 were 6.1 billion pounds, valued at $22.4 billion. An increase of 167.3 million pounds (2.8%) and $919.5 million (4.3%) from 2017.

Edible imports consisted of 5.1 billion pounds of fresh and frozen products valued at $19.5 billion, 778.7 million pounds of canned products valued at $2.3 billion, 91.0 million pounds of cured products valued at $285.6 million, 8.3 million pounds of caviar and roe products valued at $61.6 million, and 83.6 million pounds of other products valued at $239.0 million.

The quantity of shrimp imported in 2018 was 1.5 billion pounds, 68.6 million pounds more than the quantity imported in 2017. Valued at $6.2 billion, shrimp imports accounted for 27.7 percent of the value of total edible imports. Imports of fresh and frozen salmon, including fillets, were 844.5 million pounds valued at $3.9 billion in 2018. Imports of fresh and frozen tuna, including steaks, were 270.8 million pounds, 60.9 million pounds less than the 331.7 million pounds imported in 2017. Imports of canned tuna were 345.3 million pounds, a 33.9 million pound increase over 2017. Imports of fresh and frozen fillets and steaks amounted to 1.6 billion pounds, increasing 41.7 million pounds from 2017. Fish meat imports were 41.2 million pounds valued at $146.6. Regular block imports were 58.0 million pounds, a decrease of 7.8 million pounds from 2017.

Imports of nonedible fishery products were valued at $17.9 billion, an increase of $1.0 billion compared with 2017. The total value of edible and nonedible fishery imports was $40.3 billion in 2018, $1.9 billion more than in 2017.

EXPORTS

U.S. exports of edible fishery products were 2.9 billion pounds valued at $5.6 billion, decreasing 262.7 million pounds (8.2%) from 2017. Value decreased $139.5 million (2.4%). Fresh and frozen exports were 2.7 billion pounds valued at $4.9 billion, a decrease of 250.9 million pounds (8.4%) and a decrease of $109.7 million (2.2%) compared with 2017. In terms of individual items, fresh and frozen exports consisted principally of 289.7 million pounds of salmon valued at $677.7 million, 443.9 million pounds of surimi valued at $505.8 million, and 115.9 million pounds of lobsters valued at $718.5 million.

Canned items were 79.4 million pounds valued at $206.5 million. Salmon was the major canned item exported, with 55.1 million pounds valued at $166.6 million. Cured items were 4.8 million pounds valued at $15.5 million. Caviar and roe exports were 94.6 million pounds valued at $434.9 million.

Exports of nonedible products were valued at $23.2 billion, a decrease of $78.9 million when compared with 2017 (0.3%). Exports of fish meal amounted to 320.4 million pounds valued at $203.2 million. The total value of edible and nonedible exports was $28.8 billion, a decrease of $218.4 million (0.7%) compared with 2017.

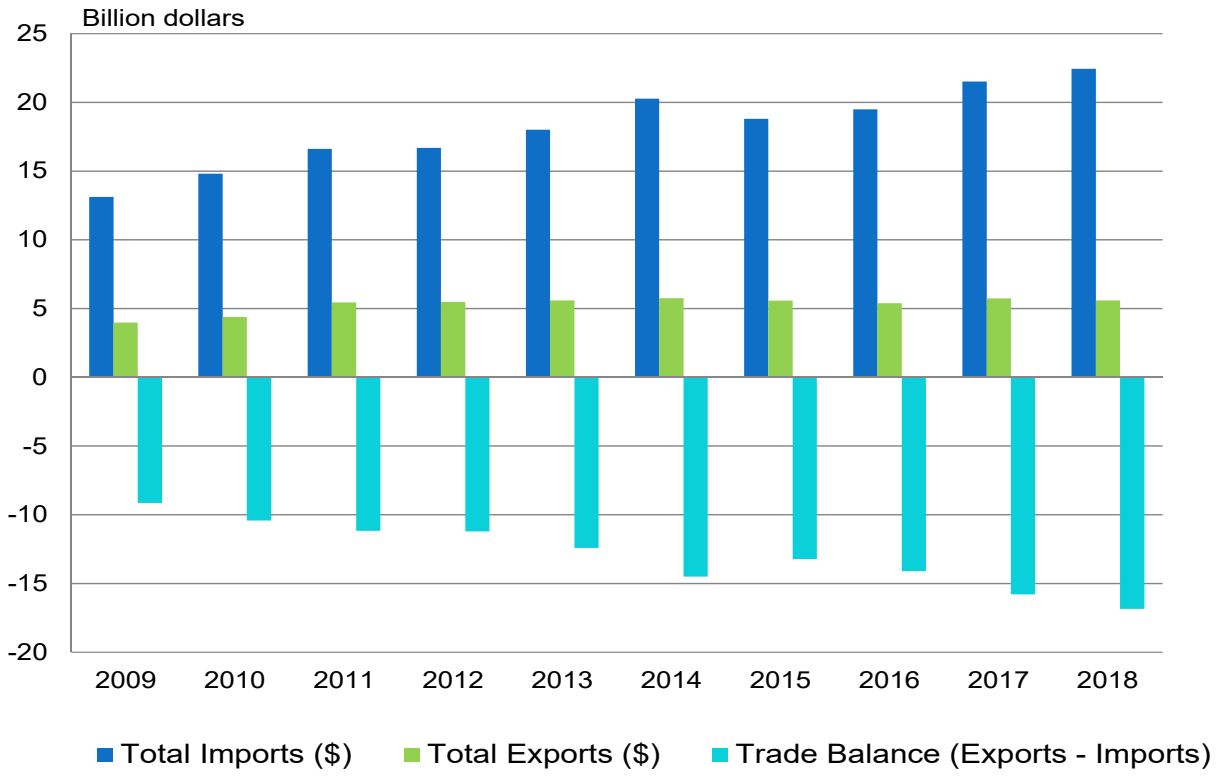
DATA NOTES

The weights reported in this section are of individual products as imported or exported, i.e., fillets, steaks, whole, headed, etc. The reported import value is value of the product as appraised by the U.S. Customs Service. This value may be based on foreign market value, constructed value, American selling price, etc. It generally represents a value in a foreign country and therefore excludes U.S. import duties, freight, insurance, and other charges incurred in bringing the merchandise to the United States.

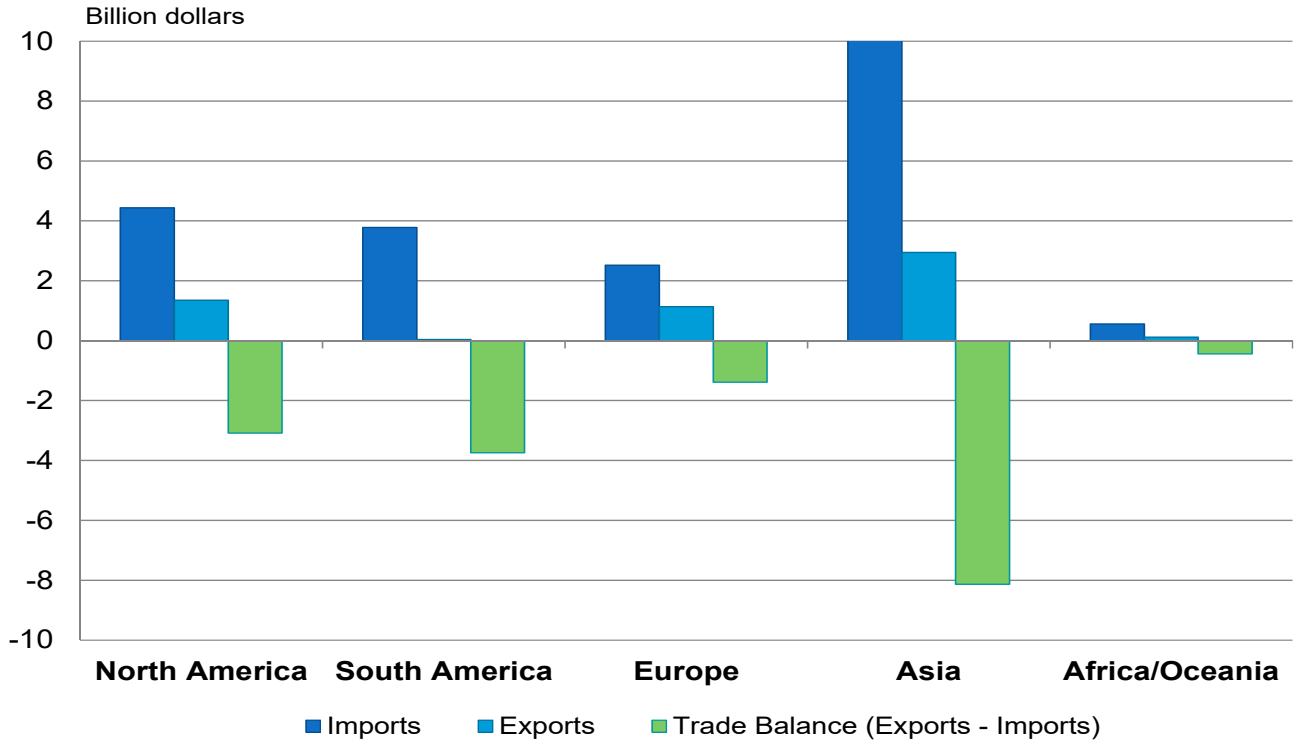
The export value is generally equivalent to the free alongside ship (f.a.s.) value at the U.S. port of export based on the transaction price, including inland freight, insurance, and other charges incurred in placing the merchandise alongside the carrier at the U.S. port of exportation. The value excludes the cost of loading, freight, insurance, and other charges or transportation costs beyond the port of exportation.

Re-exports are commodities that have entered the country as imports and are subsequently exported in substantially the same condition as when originally imported. These are also referred to as foreign exports.

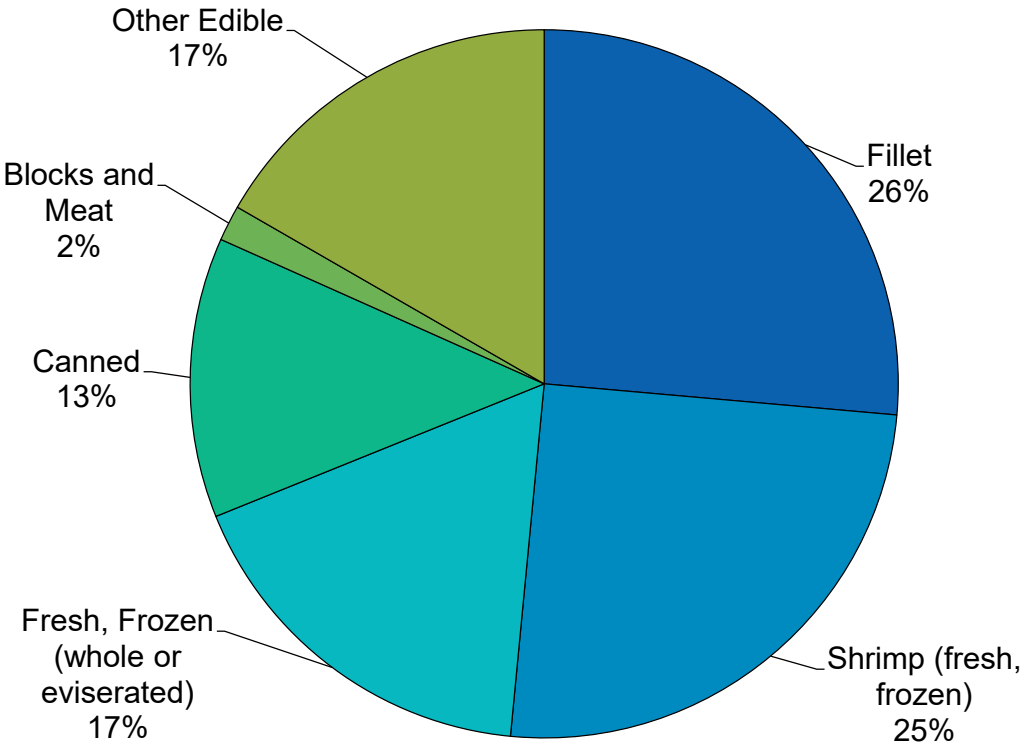
U.S. Trade Balance in Edible Fishery Products, 2009-2018



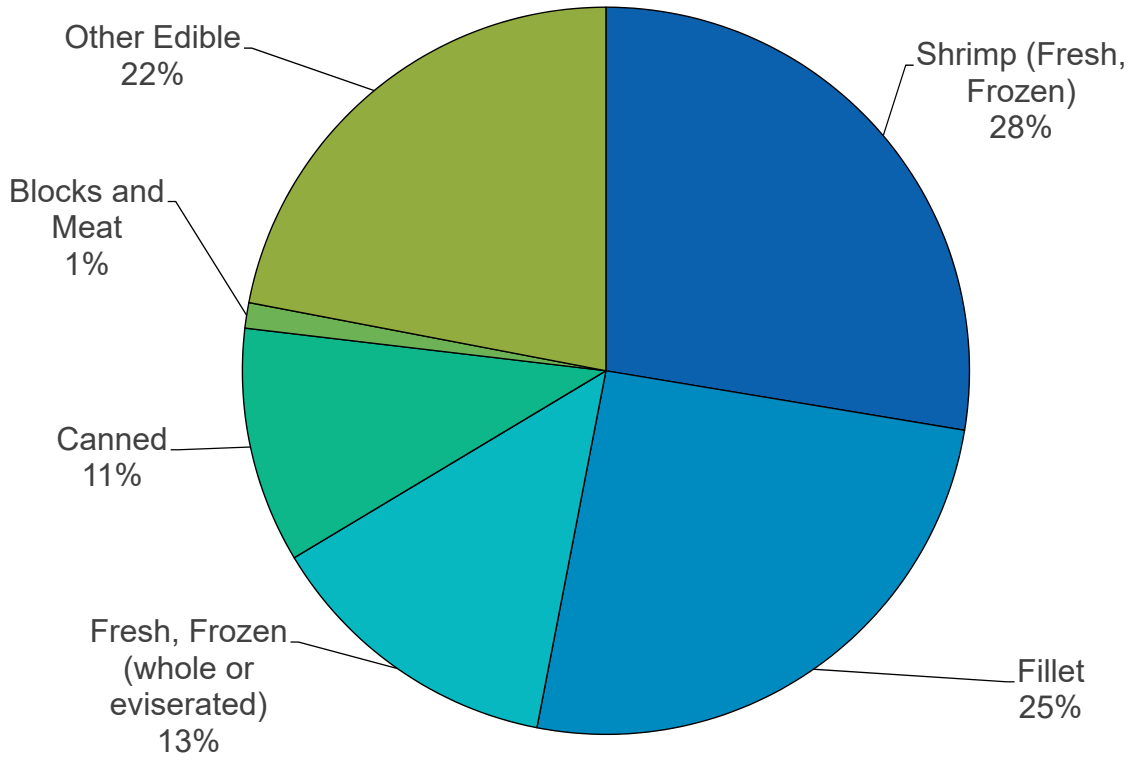
U.S. Trade in Edible Fishery Products, 2018



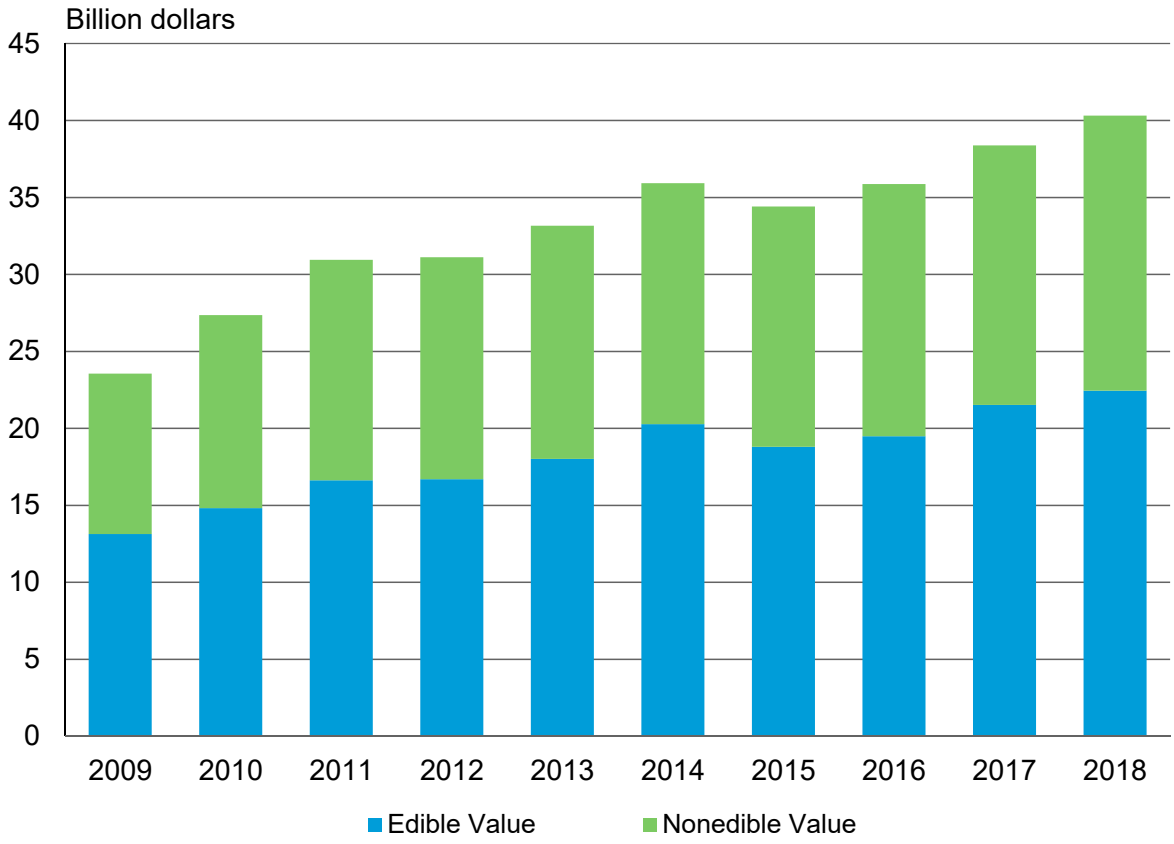
U.S. Imports of Edible Products, Product Type by Volume, 2018



U.S. Imports of Edible Products, Product Type by Value, 2018



U.S. Fishery Products Imports, 2009-2018

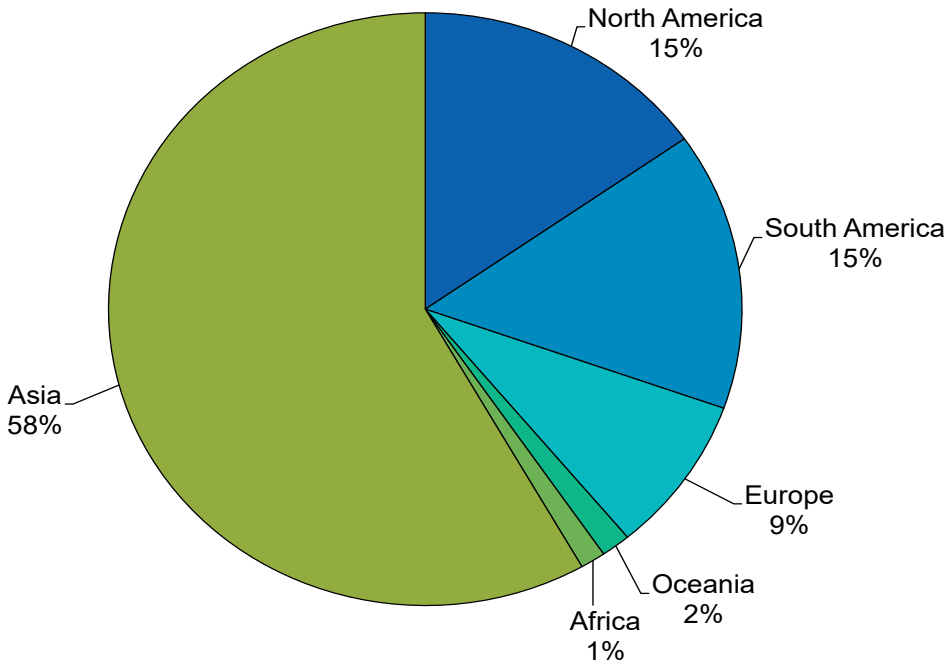


EDIBLE AND NONEDIBLE FISHERY PRODUCTS IMPORTS, 2009-2018

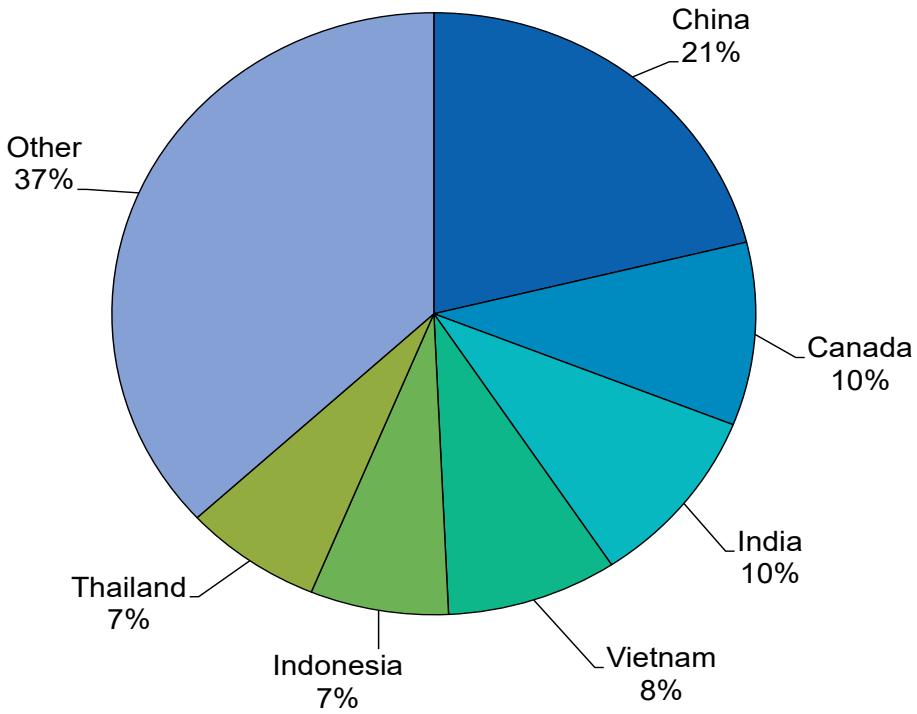
Year	Edible			Nonedible	Total
	Thousand pounds	Metric tons	---------- Thousand dollars ----------		
2009	5,161,513	2,341,247	13,124,170	10,430,117	23,554,288
2010	5,447,135	2,470,804	14,810,857	12,541,650	27,352,507
2011	5,349,471	2,426,504	16,617,625	14,325,656	30,943,281
2012	5,383,538	2,441,957	16,689,567	14,417,370	31,106,937
2013	5,415,289	2,456,359	18,006,248	15,149,527	33,155,775
2014	5,566,746	2,525,059	20,264,457	15,650,387	35,914,844
2015	5,736,548	2,602,081	18,790,837	15,609,379	34,400,216
2016	5,826,807	2,643,023	19,484,379	16,372,920	35,857,298
2017	5,919,334	2,684,992	21,519,015	16,853,452	38,372,467
2018	6,086,591	2,760,859	22,438,476	17,865,372	40,303,849

Source: U.S. Department of Commerce, U.S. Census Bureau.

U.S. Imports of Edible Fishery Products from Major Areas, 2018, by Volume



U.S. Imports of Edible Fishery Products from Major Exporters, 2018, by Volume



FISHERY PRODUCTS IMPORTS, BY PRINCIPAL ITEMS, 2017 AND 2018

Item	2017			2018		
Edible fishery products:	Thousand pounds	Metric tons	Thousand dollars	Thousand pounds	Metric tons	Thousand dollars
Fresh and frozen:						
Whole or eviscerated:						
Freshwater	124,862	56,637	160,574	136,883	62,090	177,465
Flatfish	26,385	11,968	128,382	27,491	12,470	141,222
Groundfish	48,141	21,836	74,002	50,339	22,834	78,784
Salmon	299,253	135,740	1,072,424	306,437	138,999	1,173,173
Tuna (1)	257,944	117,002	653,261	188,924	85,696	618,903
Other	319,510	144,929	753,736	347,220	157,498	808,125
Fillets and steaks:						
Freshwater	596,148	270,411	1,169,631	624,616	283,324	1,360,940
Flatfish	45,727	20,742	130,140	50,646	22,973	154,804
Groundfish	249,650	113,240	653,694	257,908	116,986	740,661
Salmon	477,850	216,751	2,438,094	538,037	244,052	2,703,914
Other	196,063	88,934	1,009,711	135,890	61,639	743,958
Meat whether or not minced:	18,561	8,419	70,690	41,173	18,676	146,596
Blocks and slabs	65,799	29,846	113,248	57,961	26,291	107,119
Surimi	2,476	1,123	2,489	2,525	1,145	2,446
Crabs	159,102	72,168	1,197,499	146,818	66,596	1,227,311
Crabmeat	13,903	6,306	92,824	11,221	5,090	75,355
Lobster:						
American	94,418	42,828	827,878	92,939	42,157	927,430
Spiny	17,053	7,735	211,707	15,751	7,144	234,732
Shrimp	1,460,711	662,574	6,511,108	1,528,745	693,434	6,197,363
Scallops (meats)	39,438	17,889	258,427	44,775	20,310	237,208
Squid	140,447	63,706	319,153	144,572	65,577	335,989
Other fish and shellfish	348,508	158,082	1,110,810	374,661	169,945	1,309,044
Total, fresh and frozen	**5,001,948**	**2,268,869**	**18,959,483**	**5,125,531**	**2,324,926**	**19,502,541**
Canned:						
Anchovy	5,765	2,615	28,645	6,238	2,829	31,256
Herring	5,897	2,675	11,455	5,776	2,620	11,261
Mackerel	28,805	13,066	34,995	30,503	13,836	36,586
Salmon	21,748	9,865	77,309	22,256	10,095	83,412
Sardines	82,132	37,255	132,328	74,490	33,789	140,327
Tuna	311,414	141,257	631,774	345,326	156,639	765,982
Clams	18,564	8,421	20,668	18,590	8,433	21,681
Crabmeat	64,627	29,315	647,134	71,867	32,599	809,860
Lobsters	699	317	2,696	312	141	1,070
Oysters	12,164	5,517	34,211	15,250	6,917	43,447
Shrimp	3,582	1,625	27,197	4,185	1,898	28,687
Balls, cakes, and puddings	40,065	18,173	76,444	43,433	19,701	87,378
Other fish and shellfish	127,741	57,943	236,145	140,499	63,730	288,780
Total, canned	**723,205**	**328,044**	**1,961,002**	**778,726**	**353,228**	**2,349,728**
Cured:						
Dried	8,999	4,082	35,795	7,718	3,501	35,206
Pickled or salted	63,082	28,614	110,103	61,538	27,914	110,047
Smoked or kippered	27,531	12,488	170,462	21,714	9,850	140,298
Total, cured	**99,612**	**45,184**	**316,360**	**90,971**	**41,264**	**285,551**
Caviar and roe	6,624	3,005	52,868	8,315	3,772	61,642
Edible seaweed and algae	16,660	7,557	53,746	14,191	6,437	49,195
Prepared meals	10,427	4,730	26,707	12,680	5,752	36,331
Other fish and shellfish	60,858	27,605	148,850	56,175	25,481	153,489
Total edible products	**5,919,333**	**2,684,992**	**21,519,015**	**6,086,590**	**2,760,859**	**22,438,476**
Nonedible products:						
Meal and scrap	138,098	62,641	111,918	131,983	59,867	106,220
Fish oils	51,014	23,140	128,809	47,957	21,753	131,478
Other	-	-	16,612,725	-	-	17,627,675
Total nonedible products	**-**	**-**	**16,853,452**	**-**	**-**	**17,865,372**
Grand total	**-**	**-**	**38,372,467**	**-**	**-**	**40,303,849**

(1) Includes loins and discs.

Note: Data include imports into the United States and Puerto Rico and landings of tuna by foreign vessels at American Samoa. Statistics on imports are the weight of individual products as exported; i.e., fillets, steaks, headed, etc. Imports and Exports of Fishery Products, Annual Summary, 2018, Current Fishery Statistics No. 2018-2 provides additional information.

Source: U.S. Department of Commerce, U.S. Census Bureau.

EDIBLE AND NONEDIBLE FISHERY PRODUCTS IMPORTS, 2018

Continent and Country	Edible			Nonedible	Total
	Thousand pounds	Metric Tons	----------Thousand dollars----------		
North America:					
Canada	596,933	270,767	3,238,032	1,271,165	4,509,197
Mexico	184,807	83,828	610,921	508,958	1,119,879
Dominican Republic	687	311	6,682	193,978	200,660
Honduras	42,898	19,458	157,488	178	157,665
Panama	25,196	11,429	95,430	5,599	101,029
Other	74,362	33,730	326,560	34,707	361,267
Total	**924,882**	**419,524**	**4,435,113**	**2,014,585**	**6,449,698**
South America:					
Chile	417,822	189,523	2,048,704	102,535	2,151,240
Ecuador	264,666	120,052	812,186	11,507	823,693
Peru	55,407	25,132	245,786	73,157	318,943
Brazil	34,008	15,426	134,898	179,177	314,075
Argentina	63,976	29,019	246,069	63,972	310,041
Other	84,121	38,157	294,493	81,620	376,113
Total	**920,001**	**417,310**	**3,782,137**	**511,968**	**4,294,105**
Europe:					
European Union:					
France	4,455	2,021	20,336	2,405,490	2,425,826
Italy	2,896	1,314	12,484	1,273,748	1,286,232
Germany	15,154	6,874	85,461	579,197	664,658
Spain	42,187	19,136	196,403	421,133	617,537
United Kingdom	36,649	16,624	157,194	409,490	566,685
Other	59,634	27,050	231,532	553,994	785,526
Total	**160,974**	**73,017**	**703,412**	**5,643,052**	**6,346,464**
Other:					
Norway	189,335	85,882	837,705	115,388	953,094
Russian Federation	74,027	33,578	581,233	4,264	585,497
Switzerland	46	21	191	415,746	415,937
Turkey	11,236	5,097	39,163	334,668	373,831
Iceland	54,226	24,597	233,663	19,711	253,374
Other	28,738	13,036	125,533	7,410	132,943
Total	**357,607**	**162,209**	**1,817,489**	**897,188**	**2,714,676**
Asia:					
China	1,285,777	583,225	2,914,161	2,666,992	5,581,153
India	587,957	266,695	2,347,989	1,931,395	4,279,383
Thailand	420,952	190,942	1,225,770	1,219,049	2,444,819
Indonesia	421,761	191,310	1,930,603	485,621	2,416,224
Vietnam	521,039	236,342	1,569,713	108,969	1,678,682
Other	293,779	133,257	1,096,465	1,988,035	3,084,500
Total	**3,531,264**	**1,601,771**	**11,084,701**	**8,400,061**	**19,484,762**
Oceania:					
New Zealand	39,491	17,913	141,823	41,535	183,358
Australia	4,454	2,020	38,402	72,055	110,457
Fiji	27,351	12,406	78,231	657	78,888
French Polynesia	2,203	999	9,919	11,019	20,938
Kiribati	11,115	5,042	11,139	1,068	12,208
Other	6,342	2,877	20,614	2,160	22,775
Total	**90,957**	**41,258**	**300,129**	**128,494**	**428,622**
Africa:					
South Africa	4,237	1,922	38,342	159,821	198,163
Morocco	25,619	11,621	60,015	5,474	65,490
Mauritius	18,386	8,340	54,221	2,317	56,538
Senegal	10,973	4,977	36,785	8	36,793
Egypt	10,125	4,593	17,986	4,926	22,912
Other	8,403	3,812	49,039	19,284	68,323
Total	**77,743**	**35,264**	**256,388**	**191,832**	**448,219**
Grand total	**6,063,429**	**2,750,354**	**22,379,367**	**17,787,179**	**40,166,546**

Source: U.S. Department of Commerce, U.S. Census Bureau.

REGULAR FISH BLOCKS AND MEAT IMPORTS, BY SPECIES AND TYPE, 2017 AND 2018

Species and Type	2017			2018		
	Thousand pounds	Metric tons	Thousand dollars	Thousand pounds	Metric tons	Thousand dollars
Regular blocks and slabs:						
Freshwater	697	316	2,104	129	58	621
Flatfish	4,928	2,235	8,933	6,037	2,738	12,493
Groundfish						
Cod	8,250	3,742	15,518	8,497	3,854	21,096
Ocean Perch	477	216	861	259	117	455
Pollock	27,384	12,421	27,433	21,433	9,722	22,323
Whiting	5,936	2,692	9,336	7,232	3,280	11,856
Other groundfish	7,271	3,298	13,819	5,312	2,409	55,501
Total groundfish	49,317	22,370	66,965	42,732	19,383	67,357
Other regular blocks	10,857	4,925	35,245	9,063	4,111	26,648
Total Regular Blocks	**65,799**	**29,846**	**113,248**	**57,961**	**26,291**	**107,119**
Meat whether or not minced:						
Freshwater	6,148	2,789	11,094	3,442	1,561	9,625
Flatfish	656	298	1,364	1,146	520	2,103
Groundfish	18,561	8,419	70,690	12,786	5,800	53,333
Other	31,402	14,244	137,777	23,799	10,795	81,535
Total Meat	**56,767**	**25,749**	**220,926**	**41,173**	**18,676**	**146,596**
Total Blocks and Meat	**122,566**	**55,596**	**334,174**	**99,134**	**44,967**	**253,715**

Source: U.S. Department of Commerce, U.S. Census Bureau.

REGULAR FISH BLOCKS AND MEAT IMPORTS, BY COUNTRY OF ORIGIN, 2017 AND 2018

Country	2017			2018		
	Thousand pounds	Metric tons	Thousand dollars	Thousand pounds	Metric tons	Thousand dollars
China	55,962	25,384	78,309	42,225	19,153	67,195
Norway	9,147	4,149	48,750	5,858	2,657	29,653
Iceland	6,071	2,754	23,310	5,589	2,535	27,367
Vietnam	5,434	2,465	9,531	7,582	3,439	19,550
Indonesia	6,563	2,977	14,814	3,869	1,755	14,810
Canada	10,485	4,756	13,977	6,590	2,989	13,126
Chile	1,757	797	14,139	2,617	1,187	12,103
Argentina	6,625	3,005	23,790	6,550	2,971	11,804
New Zealand	1,047	475	4,876	1,645	746	7,342
Other	19,474	8,834	102,678	16,612	7,535	50,765
Total	**122,566**	**55,596**	**334,174**	**99,134**	**44,967**	**253,715**

Source: U.S. Department of Commerce, U.S. Census Bureau.

GROUNDFISH FILLET AND STEAK IMPORTS, BY SPECIES, 2017 AND 2018 (1)

Species	2017			2018		
	Thousand pounds	Metric tons	Thousand dollars	Thousand pounds	Metric tons	Thousand dollars
Cod	130,325	59,115	424,323	128,232	58,166	471,873
Cusk	14	7	29	-	-	-
Haddock	38,763	17,583	117,544	44,585	20,224	149,511
Hake	5,531	2,509	8,121	7,560	3,429	11,652
Ocean perch	6,259	2,839	12,571	6,578	2,984	13,821
Pollock	28,027	12,713	33,142	31,394	14,240	36,848
Other	40,730	18,475	57,963	39,558	17,943	56,956
Total	**249,650**	**113,240**	**653,694**	**257,908**	**116,986**	**740,661**

(1) Does not include data on fish blocks and slabs
Source: U.S. Department of Commerce, U.S. Census Bureau.

CANNED TUNA NOT IN OIL, QUOTA AND IMPORTS, 2009-2018

Year	Quota (1)		Over Quota (2)		Total	
	Thousand pounds	Metric tons	Thousand pounds	Metric tons	Thousand pounds	Metric tons
2009	40,690	18,457	329,200	149,324	369,890	167,781
2010	36,043	16,349	370,796	168,192	406,839	184,541
2011	40,011	18,149	345,514	156,724	385,525	174,873
2012	36,667	16,632	384,969	174,621	421,636	191,253
2013	34,334	15,574	384,398	174,362	418,733	189,936
2014	34,905	15,833	384,533	174,423	419,438	190,256
2015	34,771	15,772	444,344	201,553	479,115	217,325
2016	26,852	12,180	460,270	208,777	487,122	220,957
2017	33,843	15,351	6,303	2,859	40,146	18,210
2018	30,759	13,952	414,784	188,145	445,543	202,097

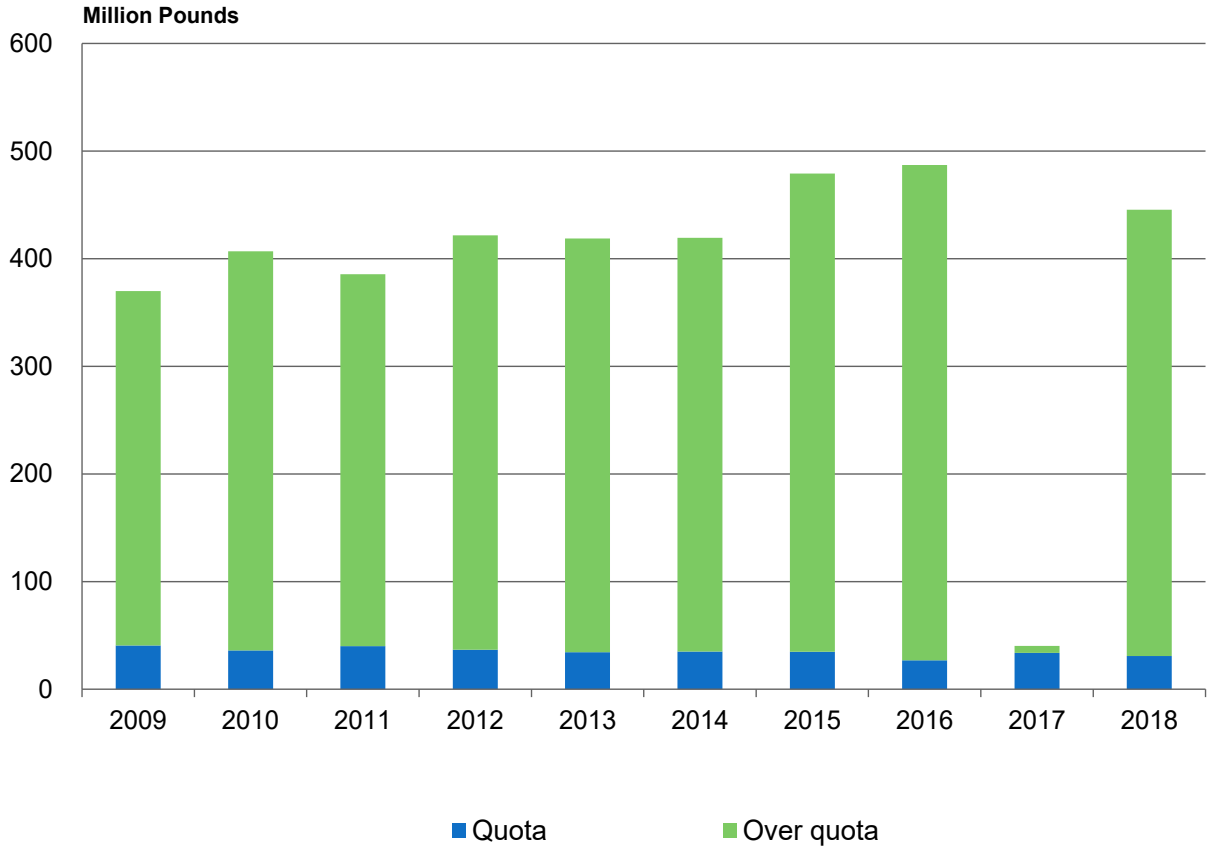
(1) Imports have been subject to tariff rate quotas since April 14, 1956. Dutiable in 1956 to 1967 at 12.5 percent ad valorem; 1968, 11 percent; 1969, 10 percent; 1970, 8.5 percent; 1971, 7 percent; and 1972 to present, 6 percent.

(2) Dutiable in 1972 to present, 12.5 percent.

Source: U.S. Department of Homeland Security, U.S. Customs and Border Protection.

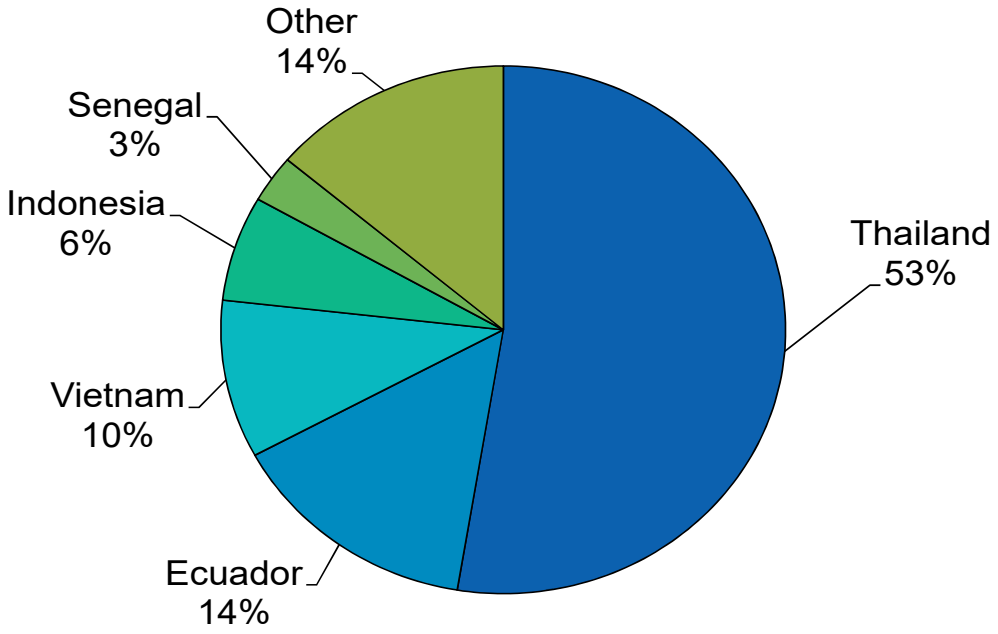
Note: Because data in this table are from a different source, this table will not agree with tuna import data released by the U.S. Department of Commerce, U.S. Census Bureau, used elsewhere in this report.

Canned Tuna Quota and Imports, 2009-2018



Source: U.S. Department of Homeland Security, U.S. Customs and Border Protection.

Imports of Canned Tuna by Major Exporter, 2018 by Volume



CANNED TUNA, BY COUNTRY OF ORIGIN, 2017 AND 2018

Country	2017			2018		
	Thousand pounds	Metric tons	Thousand dollars	Thousand pounds	Metric tons	Thousand dollars
Thailand	157,748	71,554	308,856	181,697	82,417	388,409
Ecuador	43,902	19,914	109,741	50,069	22,711	136,459
Vietnam	41,524	18,835	88,071	33,455	15,175	76,120
Indonesia	19,874	9,015	36,849	22,249	10,092	41,916
Senegal	1,510	685	4,972	10,053	4,560	32,404
Mexico	14,872	6,746	24,412	14,341	6,505	24,508
Philippines	14,837	6,730	28,734	11,380	5,162	23,790
China	6,495	2,946	11,748	8,018	3,637	14,519
Costa Rica	-	2,419	6,627	5,227	2,371	7,100
Other	10,653	2,413	11,764	8,838	4,008	20,758
Total	**311,415**	**141,257**	**631,774**	**345,326**	**156,639**	**765,982**

Source: U.S. Department of Commerce, U.S. Census Bureau.

SHRIMP IMPORTS, BY COUNTRY OF ORIGIN, 2017 AND 2018

Country	2017			2018		
	Thousand pounds	Metric tons	Thousand dollars	Thousand pounds	Metric tons	Thousand dollars
North America:						
Mexico	62,918	28,539	337,137	54,860	24,884	282,618
Honduras	12,247	5,555	40,269	19,940	9,045	60,166
Canada	3,973	1,802	24,581	3,399	1,542	24,432
Panama	5,808	2,634	29,485	5,459	2,476	24,344
Nicaragua	4,049	1,837	13,378	5,922	2,686	18,925
Guatemala	6,124	2,778	27,026	3,261	1,479	13,143
Belize	225	102	1,248	155	70	422
Costa Rica	136	62	738	60	27	392
Greenland	45	21	126	57	26	218
El Salvador	69	31	385		11	146
Other	0	0	0	30	3	27
Total	**95,594**	**43,361**	**474,374**	**93,143**	**42,249**	**424,831**
South America:						
Ecuador	158,192	71,756	573,049	167,271	75,874	525,869
Argentina	27,583	12,512	120,324	24,286	11,016	120,416
Peru	21,900	9,934	90,361	23,062	10,461	87,603
Guyana	20,268	9,193	55,872	15,446	7,006	40,855
Venezuela	4,576	2,076	12,699	7,971	3,616	20,038
Chile	223	101	1,294	347	158	1,936
Suriname	835	379	2,698	581	263	1,771
Colombia	191	87	1,538	92	42	470
Total	**233,769**	**106,037**	**857,836**	**239,055**	**108,435**	**798,957**
Europe:						
European Union:						
Spain	266	121	1,234	649	294	3,128
Portugal	96	43	422	124	56	478
Denmark	41	19	466	31	14	441
Italy	-	14	189	10	4	69
Cyprus	-	-	-	2	1	12
Other	-	34	357	-	1	17
EU Total	508	231	2,668	817	371	4,145
Other Europe:						
Iceland	-	35	333	87	40	292
Norway	14	6	62	62	28	241
Turkey	0	-	-	-	9	34
Other Europe Total	92	42	395	168	76	566
Total	**600**	**272**	**3,063**	**986**	**447**	**4,711**
Asia:						
India	471,853	214,031	2,170,689	545,910	247,623	2,212,322
Indonesia	260,175	118,014	1,185,509	291,498	132,223	1,214,622
Vietnam	122,614	55,618	630,718	128,110	58,110	616,571
Thailand	164,029	74,403	807,079	109,329	49,591	548,587
China	101,070	45,845	333,502	111,881	50,749	339,223
Bangladesh	2,852	1,294	19,535	3,504	1,589	20,062
Philippines	5,645	2,560	20,743	2,974	1,349	9,169
Burma	659	299	4,551	762	346	5,390
Malaysia	559	253	2,195	925	419	3,441
Sri Lanka	370	168	1,864	-	281	3,347
Other	2,075	1,109	15,346	1,896	860	10,042
Total	**1,131,900**	**513,427**	**5,189,867**	**1,196,790**	**542,860**	**4,979,429**
Oceania	267	121	1,739	211	96	1,779
Africa	292	132	3,549	847	384	8,481
Grand Total	**1,462,929**	**663,350**	**6,530,428**	**1,530,862**	**694,471**	**6,218,188**

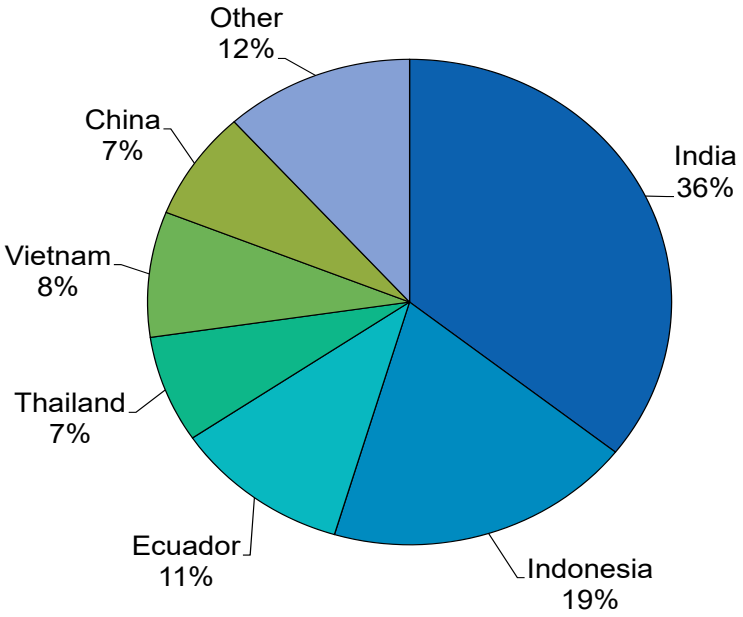
Note: Statistics on imports are the weights of the individual products as received; i.e., raw, headless, peeled, etc.
Source: U.S. Department of Commerce, U.S. Census Bureau.

SHRIMP IMPORTS, BY TYPE OF PRODUCT, 2017 AND 2018

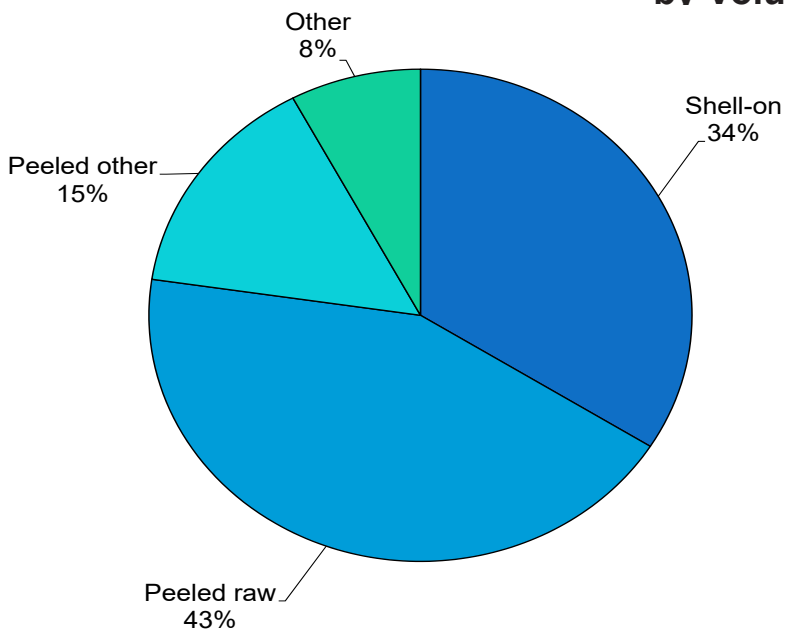
Type of product	2017			2018		
	Thousand pounds	Metric tons	Thousand dollars	Thousand pounds	Metric tons	Thousand dollars
Shell-on (heads off)	524,320	237,830	2,305,150	520,256	235,986	2,023,363
Peeled:						
Canned	3,582	1,625	27,197	4,185	1,898	28,687
Not breaded:						
Raw	619,160	280,849	2,776,385	665,308	301,782	2,719,886
Other	212,713	96,486	1,089,826	227,996	103,418	1,094,115
Breaded	104,517	47,408	339,747	115,185	52,248	359,998
Total	**1,464,294**	**664,199**	**6,538,305**	**1,532,930**	**695,333**	**6,226,050**

Source: U.S. Department of Commerce, U.S. Census Bureau.

Shrimp Imports by Major Exporter, 2018, by Volume



Shrimp Imports by Type, 2018, by Volume

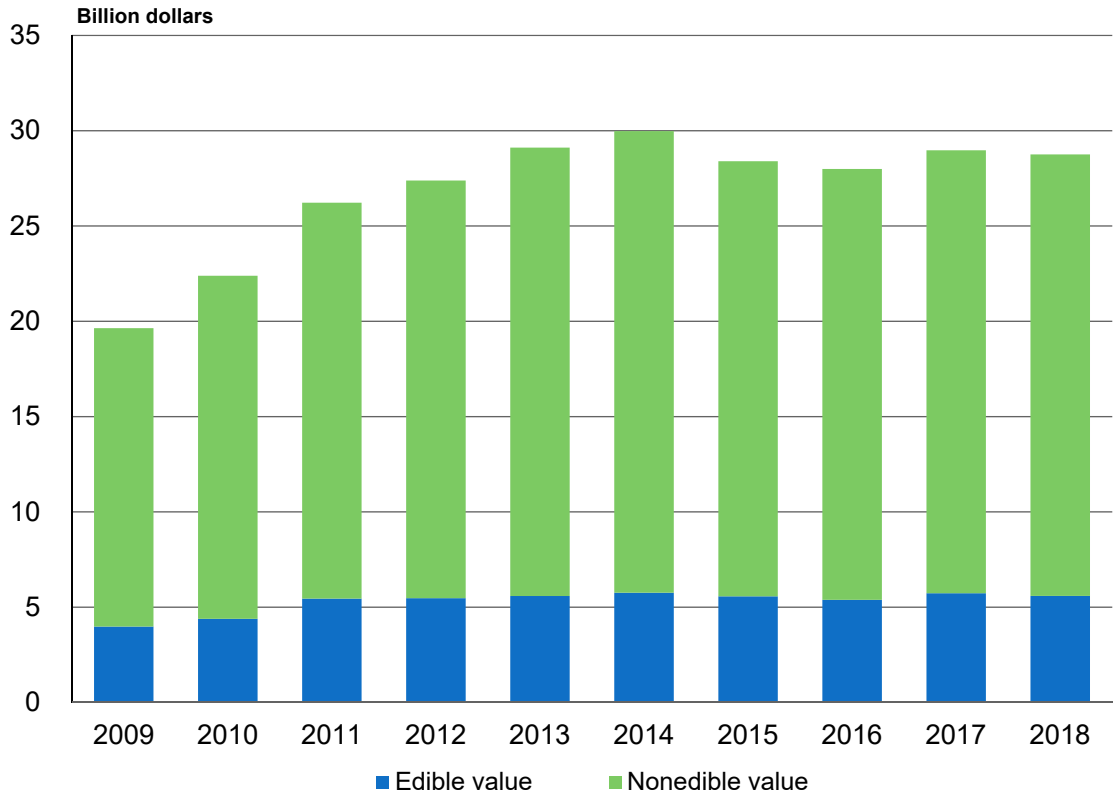


FISH MEAL AND SCRAP IMPORTS, BY COUNTRY OF ORIGIN, 2017 AND 2018

Country	2017			2018		
	Thousand pounds	Metric tons	Thousand dollars	Thousand pounds	Metric tons	Thousand dollars
Chile	61,987	28,117	59,012	54,674	24,800	47,440
Mexico	19,546	8,866	12,114	17,648	8,005	11,781
Norway	12,846	5,827	8,676	8,702	3,947	9,047
France	4,881	2,214	4,489	8,957	4,063	8,943
Canada	9,643	4,374	7,600	6,922	3,140	6,011
Argentina	11,329	5,139	5,464	9,806	4,448	5,180
Spain	2,092	949	1,629	8,245	3,740	5,086
Brazil	946	429	560	7,141	3,239	3,900
Denmark	2,568	1,165	2,056	2,284	1,036	2,298
Other	12,260	5,561	10,318	7,604	3,449	6,534
Total	**138,098**	**62,641**	**111,918**	**131,983**	**59,867**	**106,220**

Source: U.S. Department of Commerce, U.S. Census Bureau.

U.S. Fishery Product Exports, 2009-2018

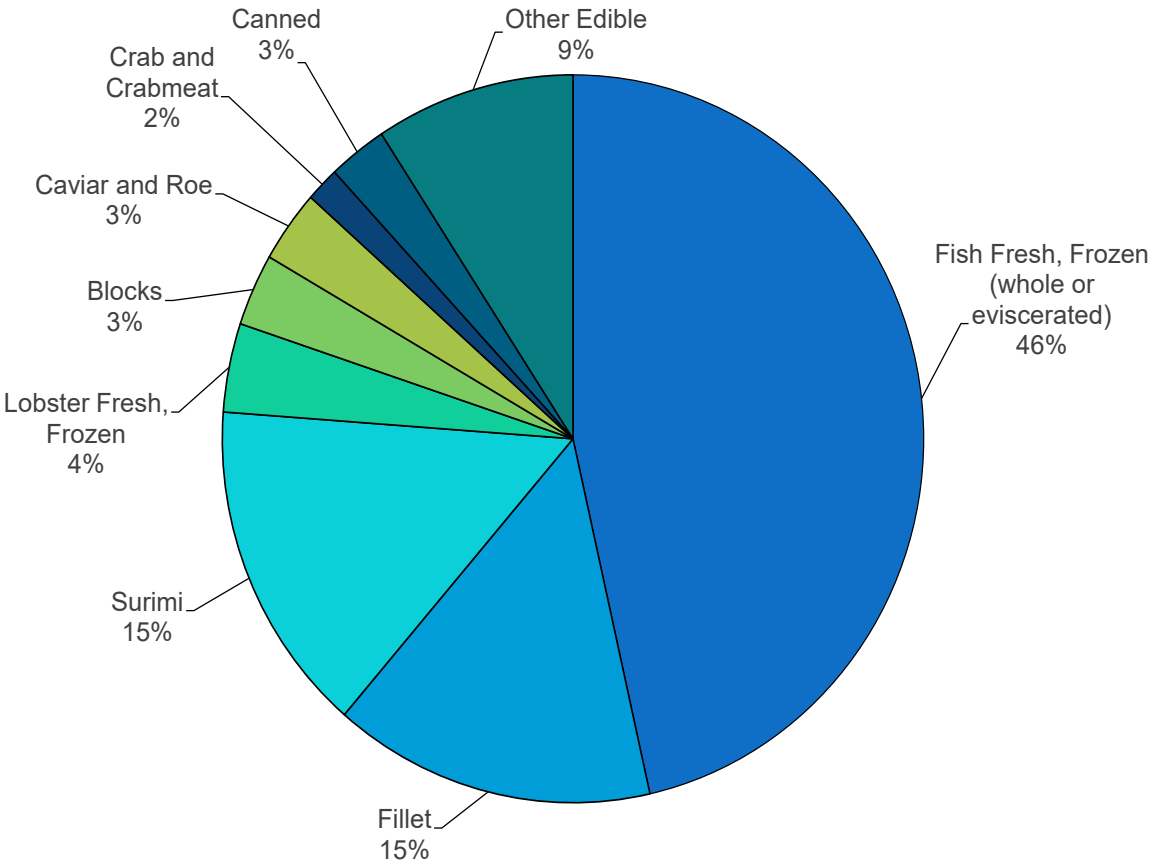


EDIBLE AND NONEDIBLE FISHERY PRODUCTS EXPORTS, 2009-2018 (1)

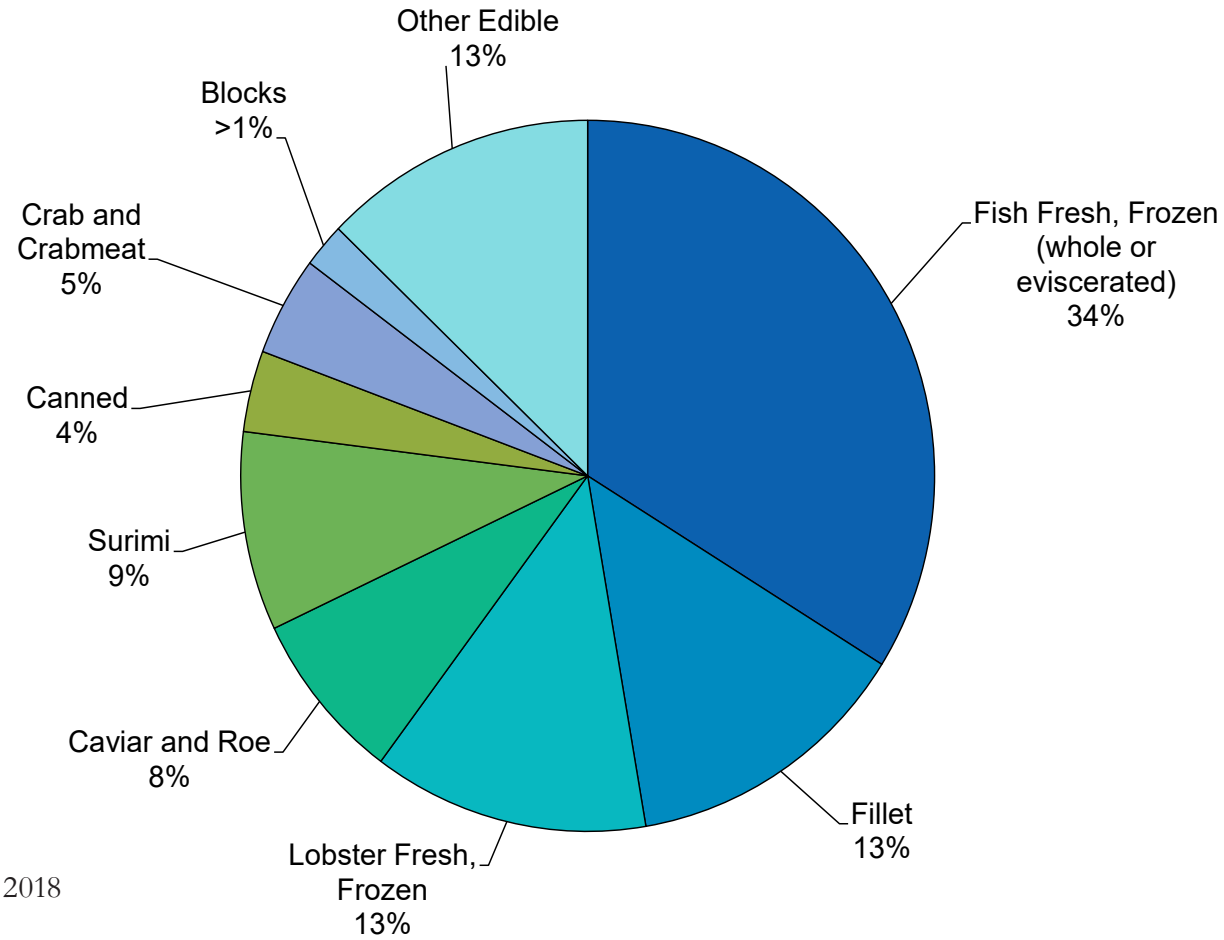
Year	Edible		Nonedible	Total
	Thousand pounds	Metric tons	--------Thousand dollars--------	
2009	2,546,281	1,154,985	3,979,728	15,655,964	19,635,693
2010	2,733,127	1,239,738	4,389,171	17,996,550	22,385,721
2011	3,267,525	1,482,140	5,446,677	20,771,139	26,217,815
2012	3,254,394	1,476,183	5,470,491	21,913,933	27,384,424
2013	3,323,761	1,507,648	5,584,082	23,529,404	29,113,486
2014	3,402,041	1,543,156	5,753,667	24,224,826	29,978,493
2015	3,141,380	1,424,921	5,566,683	22,829,316	28,395,998
2016	2,930,630	1,329,325	5,383,840	22,605,658	27,989,498
2017	3,200,397	1,451,691	5,729,557	23,243,733	28,973,290
2018	2,937,670	1,332,518	5,590,019	23,164,879	28,754,897

(1) Figures reflect both domestic and foreign (re-exports).
Source: U.S. Department of Commerce, U.S. Census Bureau.

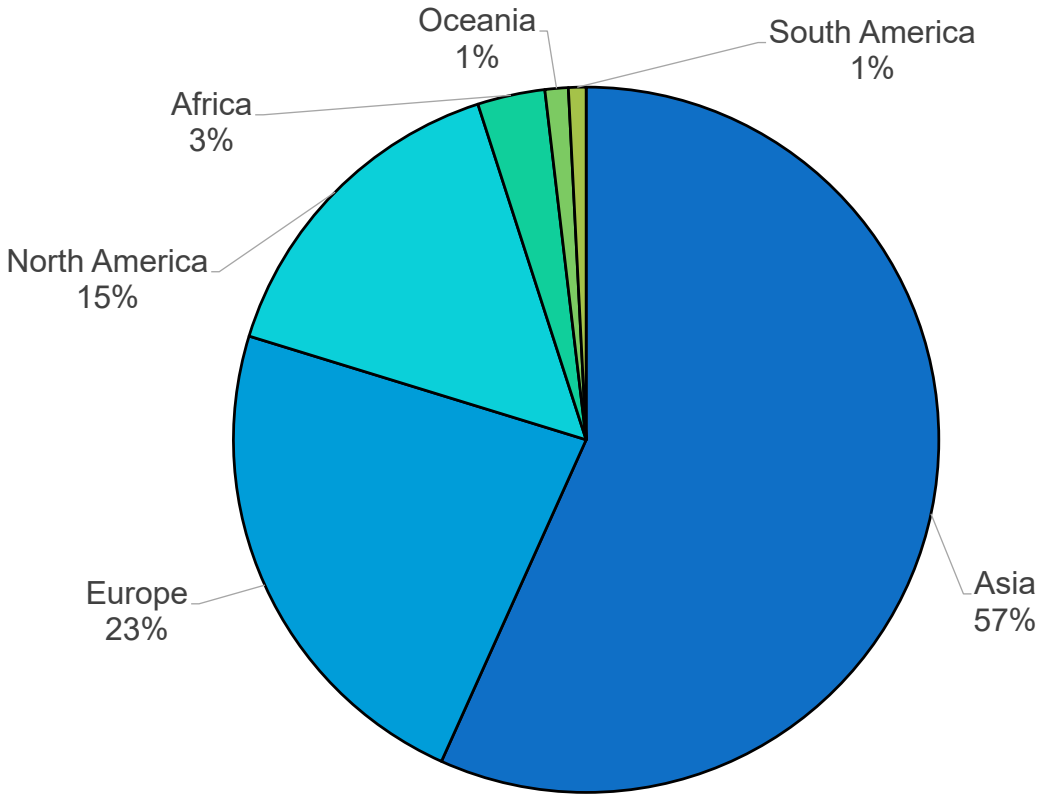
U.S. Exports of Edible Products, Product Type by Volume, 2018



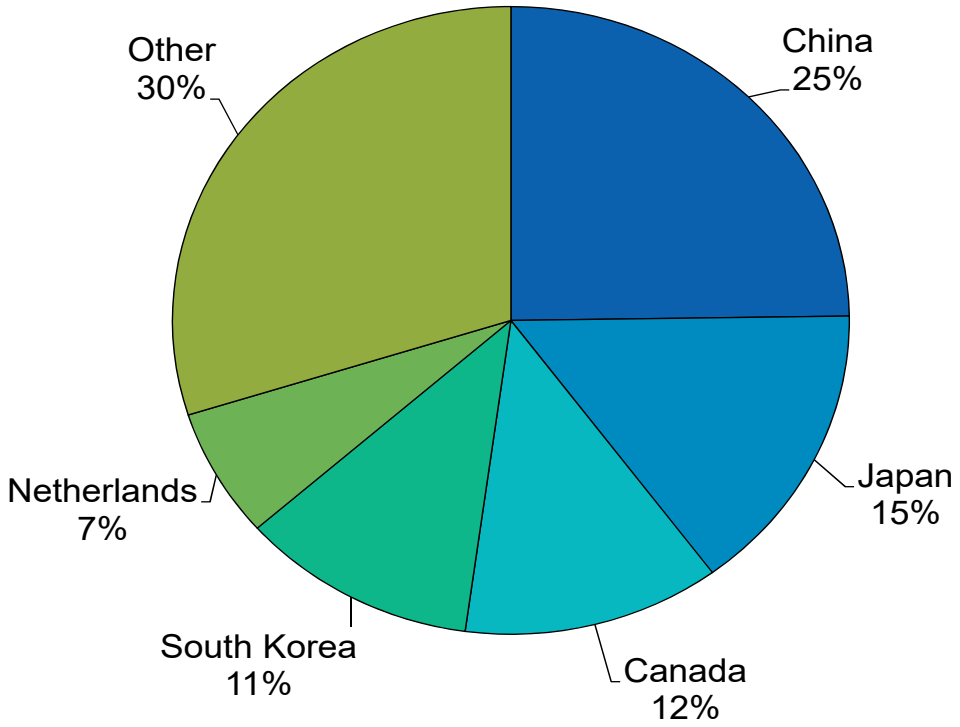
U.S. Exports of Edible Products, Product Type by Value, 2018



U.S. Exports to Major Areas, 2018, by Volume



U.S. Exports to Major Importers, 2018, by Volume



FISHERY PRODUCTS EXPORTS, BY PRINCIPAL ITEMS, 2017 AND 2018 (1)

Item	2017			2018		
Edible fishery products:	Thousand pounds	Metric tons	Thousand dollars	Thousand pounds	Metric tons	Thousand dollars
Fresh and frozen:						
Whole or eviscerated:						
Freshwater	13,830	6,273	20,664	12,387	5,619	20,557
Flatfish	259,361	117,645	203,465	224,160	101,679	184,117
Groundfish	536,985	243,575	587,342	481,969	218,620	525,841
Herring	67,422	30,582	31,152	53,985	24,488	24,145
Sablefish	12,680	5,752	86,727	14,478	6,567	84,776
Salmon	451,490	204,795	809,903	289,658	131,388	677,737
Tuna	23,951	10,864	51,231	25,137	11,402	49,267
Other	248,241	112,601	313,930	263,556	119,548	328,267
Fillets and steaks:						
Freshwater	16,300	7,394	47,296	12,715	5,767	42,528
Flatfish	2,331	1,057	9,267	2,142	972	8,865
Groundfish	337,799	153,225	405,111	357,158	162,006	441,615
Salmon	46,594	21,135	192,712	51,749	23,473	214,547
Other	10,284	4,665	33,663	11,893	5,395	42,555
Meat whether or not minced	88,990	40,366	112,723	94,251	42,752	112,801
Surimi	443,824	201,317	459,680	436,791	198,127	505,819
Fish sticks	40,045	18,164	80,169	36,076	16,364	74,190
Clams	11,968	5,429	109,569	10,913	4,950	111,496
Crabs	42,661	19,351	218,525	42,255	19,167	234,821
Crabmeat	3,142	1,425	16,078	3,294	1,494	18,269
Lobsters	109,464	49,653	683,717	115,895	52,570	718,488
Scallops (meats)	20,268	9,193	165,171	16,500	7,484	138,590
Sea urchins	681	309	3,441	645	293	2,473
Shrimp	21,633	9,813	114,394	21,927	9,946	122,508
Squid	159,532	72,363	183,982	140,040	63,522	143,426
Other fish and shellfish	22,088	10,019	94,293	21,134	9,586	96,792
Total, Fresh and Frozen	**2,991,565**	**1,356,965**	**5,034,204**	**2,740,711**	**1,243,178**	**4,924,486**
Canned:						
Salmon	63,380	28,749	159,750	55,150	25,016	166,556
Sardines	403	183	287	220	100	457
Tuna	4,767	2,162	11,030	3,336	1,513	8,348
Abalone	121	55	1,925	131	60	2,249
Crabmeat	273	124	1,835	703	319	5,711
Shrimp	238	108	780	279	126	944
Squid	1,513	686	908	2,087	947	1,032
Other fish and shellfish	19,457	8,825	23,031	17,541	7,957	21,209
Total, canned	**90,151**	**40,892**	**199,546**	**79,447**	**36,037**	**206,506**
Cured:						
Dried	990	449	2,362	1,275	578	2,748
Pickled or salted	2,113	958	3,895	2,217	1,005	3,425
Smoked or kippered	1,109	503	8,821	1,270	576	9,291
Total, cured	**4,212**	**1,910**	**15,077**	**4,761**	**2,160**	**15,465**
Caviar and roe:						
Herring	1,437	652	2,360	1,437	652	2,360
Pollock	40,722	18,471	111,731	40,722	18,471	111,731
Salmon	29,038	13,172	217,339	29,013	13,160	216,905
Sea urchin	784	356	23,619	650	295	20,515
Other	22,738	10,314	83,452	22,752	10,320	83,413
Total, caviar and roe	**94,720**	**42,965**	**438,500**	**94,574**	**42,899**	**434,924**
Edible seaweed and algae	2,343	1,063	11,460	2,319	1,052	11,181
Prepared meals	7,310	3,316	16,370	7,260	3,293	16,497
Other fish and shellfish	10,071	4,568	14,398	9,460	4,291	14,742
Total Edible Products	**3,200,397**	**1,451,691**	**5,729,557**	**2,937,669**	**1,332,518**	**5,590,019**
Nonedible products:						
Meal and scrap	346,049	156,967	181,688	320,364	145,316	203,171
Fish oils	139,036	63,066	146,279	140,597	63,774	154,218
Other	-	-	22,915,767	-	-	22,807,490
Total Nonedible Products	**-**	**-**	**23,243,733**	**-**	**-**	**23,164,879**
Grand Total	**-**	**-**	**28,973,290**	**-**	**-**	**28,754,897**

Source: U.S. Department of Commerce, U.S. Census Bureau.
(1) Figures reflect both domestic and foreign (re-exports).

EDIBLE AND NONEDIBLE FISHERY PRODUCTS EXPORTS, 2018 (1)

Continent and Country	Edible		Nonedible	Total
	Thousand pounds	Metric tons	Thousand dollars	
North America:				
Canada	361,768	164,097	1,175,166	3,680,784	4,855,950
Mexico	42,217	19,150	65,714	1,762,940	1,828,654
Dominican Republic	6,514	2,955	15,785	417,508	433,294
Sint Maarten	1,395	633	4,307	257,919	262,226
Panama	2,605	1,181	6,566	178,804	185,370
Other	34,522	15,659	81,780	707,886	789,667
Total	**449,022**	**203,675**	**1,349,319**	**7,005,842**	**8,355,161**
South America:				
Brazil	4,066	1,844	6,978	331,424	338,402
Chile	1,573	713	4,678	228,186	232,864
Colombia	7,591	3,443	10,888	165,926	176,814
Argentina	273	124	492	118,669	119,161
Uruguay	217	99	756	105,451	106,207
Other	9,933	4,505	15,594	243,913	259,507
Total	**23,652**	**10,729**	**39,387**	**1,193,568**	**1,232,955**
Europe:				
European Union:				
United Kingdom	33,303	15,106	75,833	934,363	1,010,196
Netherlands	195,043	88,471	286,960	597,697	884,657
France	75,900	34,428	160,833	510,433	671,266
Germany	125,262	56,818	199,240	400,581	599,822
Italy	31,594	14,331	83,500	292,909	376,409
Other	131,402	59,604	243,539	722,335	965,875
Total	**592,504**	**268,758**	**1,049,906**	**3,458,318**	**4,508,224**
Other:				
Switzerland	4,422	2,006	7,283	1,762,020	1,769,303
Turkey	197	90	954	78,981	79,935
Russian Federation	6	3	115	79,064	79,179
Ukraine	68,537	31,088	62,855	11,483	74,339
Monaco	-	-	-	53,479	53,479
Other	10,598	4,807	14,374	36,697	51,071
Total	**83,760**	**37,993**	**85,582**	**2,021,724**	**2,107,307**
Asia:				
China - Hong Kong	26,726	12,123	196,920	2,974,141	3,171,060
China	728,106	330,267	1,068,955	1,057,632	2,126,588
Japan	442,450	200,694	858,747	1,111,118	1,969,865
South Korea	332,718	150,920	487,254	578,760	1,066,013
Singapore	3,949	1,791	18,127	556,747	574,874
Other	132,582	60,139	318,309	2,431,981	2,750,291
Total	**1,666,531**	**755,934**	**2,948,312**	**8,710,379**	**11,658,691**
Oceania:				
Australia	26,247	11,905	57,134	548,190	605,324
New Zealand	2,986	1,354	6,465	80,612	87,077
French Polynesia	910	413	1,440	1,882	3,322
Western Samoa	264	120	135	1,529	1,664
Fiji	384	174	260	1,199	1,460
Other	521	236	694	1,656	2,350
Total	**31,313**	**14,203**	**66,129**	**635,069**	**701,197**
Africa:				
South Africa	21,723	9,854	15,597	53,540	69,138
Nigeria	23,772	10,783	11,441	17,955	29,396
Egypt	4,432	2,010	2,912	23,922	26,834
Ghana	15,303	6,941	7,244	4,166	11,410
Chad	92	42	106	9,406	9,512
Other	25,566	11,597	14,084	30,989	45,073
Total	**90,888**	**41,227**	**51,384**	**139,979**	**191,362**
Grand total	**2,937,670**	**1,332,518**	**5,590,019**	**23,164,879**	**28,754,897**

(1) Figures reflect both domestic and foreign exports (re-exports).
Source: U.S. Department of Commerce, U.S. Census Bureau.

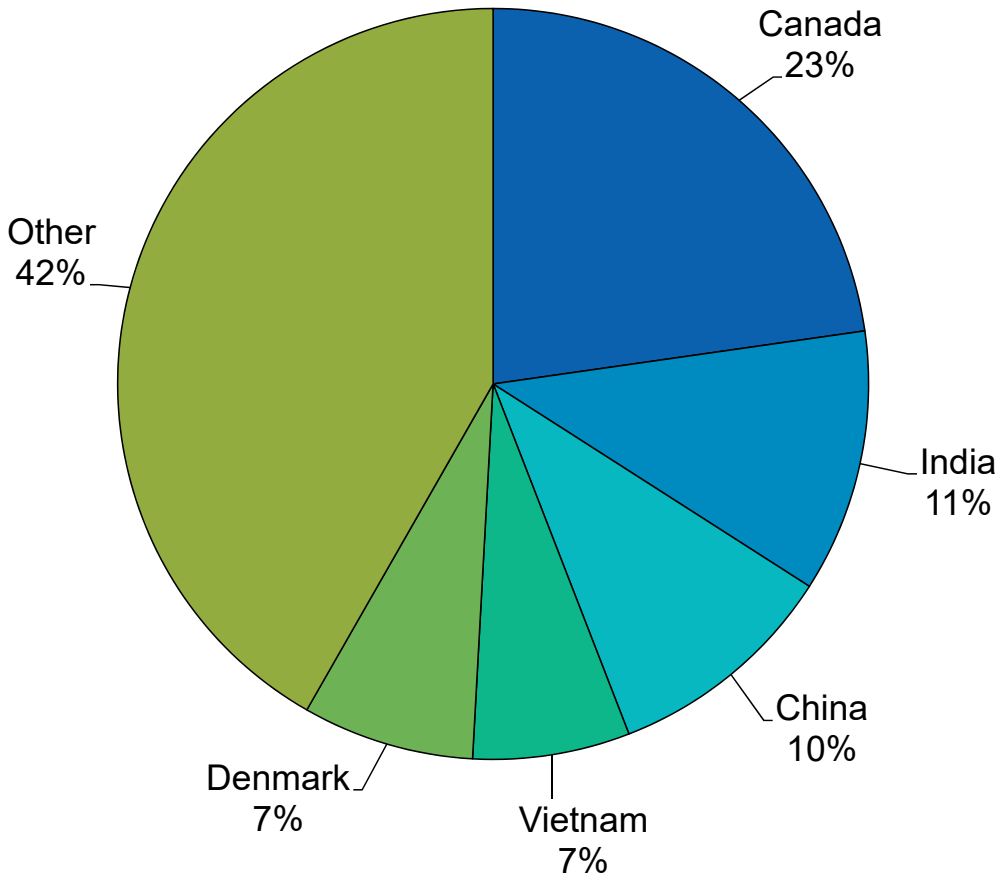
FRESH AND FROZEN SHRIMP EXPORTS, BY COUNTRY OF DESTINATION, 2017 AND 2018 (1)

Country	2017			2018		
	Thousand pounds	Metric tons	Thousand dollars	Thousand pounds	Metric tons	Thousand dollars
Canada	5,761	2,613	26,754	4,987	2,262	23,703
India	2,172	985	13,578	2,482	1,126	16,983
China	1,343	609	9,493	2,202	999	13,554
Vietnam	1,658	752	10,465	1,484	673	11,717
Denmark	1,195	542	4,170	1,620	735	6,234
Indonesia	825	374	6,167	866	393	5,761
China - Hong Kong	348	158	3,110	538	244	4,734
Thailand	450	204	2,300	626	284	3,432
Sweden	192	87	1,015	595	270	3,216
Other	7,885	3,489	37,342	6,525	2,960	33,174
Total	**21,635**	**9,813**	**114,394**	**21,926**	**9,946**	**122,508**

(1) Figures reflect both domestic and foreign (re-exports).

Source: U.S. Department of Commerce, U.S. Census Bureau.

U.S. Shrimp Exports by Major Importer, 2018 by Volume

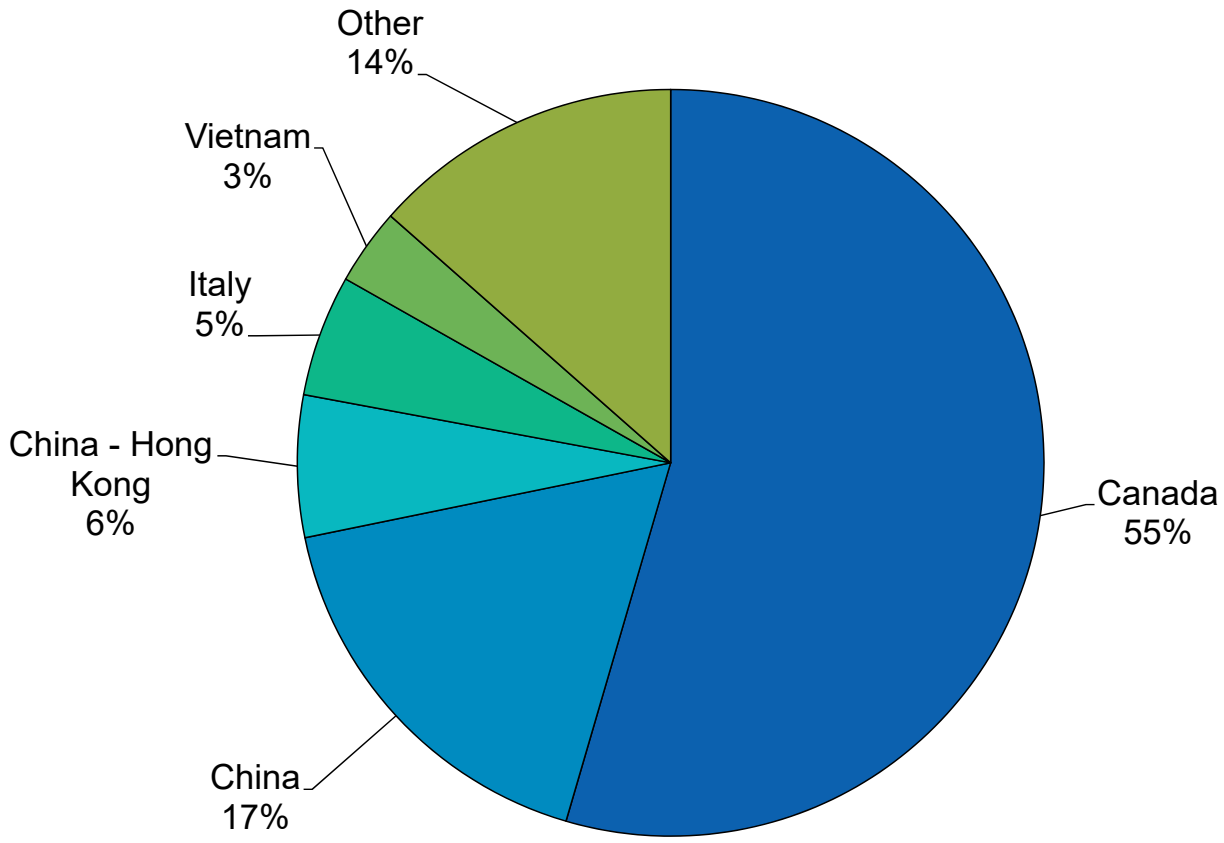


FRESH AND FROZEN LOBSTER EXPORTS, BY COUNTRY OF DESTINATION, 2017 AND 2018 (1)

Country	2017			2018		
	Thousand pounds	Metric tons	Thousand dollars	Thousand pounds	Metric tons	Thousand dollars
Canada	54,553	24,745	254,896	63,188	28,662	307,801
China	17,954	8,144	143,369	20,005	9,074	155,958
China - Hong Kong	5,900	2,676	50,113	7,121	3,230	57,508
Italy	7,421	3,366	49,936	6,105	2,769	43,197
Vietnam	4,431	2,010	39,146	3,829	1,737	30,904
Spain	4,008	1,818	29,053	2,941	1,334	22,372
South Korea	2,498	1,133	19,734	2,019	916	16,919
Taiwan	1,415	642	11,567	2,061	935	16,841
France	3,062	1,389	21,943	1,755	796	13,010
Other	8,223	3,730	63,960	6,872	3,117	53,977
Total	**109,465**	**49,653**	**683,717**	**115,896**	**52,570**	**718,487**

(1) Figures reflect both domestic and foreign (re-exports).
Source: U.S. Department of Commerce, U.S. Census Bureau.

U.S. Lobster Exports by Major Importer, 2018 by Volume



FRESH AND FROZEN SALMON EXPORTS, WHOLE OR EVISCERATED, BY COUNTRY OF DESTINATION, 2017 AND 2018 (1)

Country	2017			2018		
	Thousand pounds	Metric tons	Thousand dollars	Thousand pounds	Metric tons	Thousand dollars
China	216,000	97,977	298,973	99,121	44,961	156,327
Canada	55,446	25,150	140,863	47,674	21,625	140,551
Japan	27,932	12,670	72,581	27,452	12,452	89,583
South Korea	23,880	10,832	57,802	21,363	9,690	75,870
Germany	19,217	8,717	54,123	13,796	6,258	36,536
Thailand	35,102	15,922	49,832	18,583	8,429	35,972
France	14,147	6,417	32,247	12,692	5,757	31,457
Poland	2,253	1,022	5,080	5,633	2,555	22,691
Netherlands	4,788	2,172	12,338	5,655	2,565	15,581
Other	52,725	23,916	86,064	37,690	17,096	73,169
Total	**451,491**	**204,795**	**809,903**	**289,658**	**131,388**	**677,737**

(1) Figures reflect both domestic and foreign (re-exports).
Source: U.S. Department of Commerce, U.S. Census Bureau.

CANNED SALMON EXPORTS, BY COUNTRY OF DESTINATION, 2017 AND 2018(1)

Country	2017			2018		
	Thousand pounds	Metric tons	Thousand dollars	Thousand pounds	Metric tons	Thousand dollars
Canada	31,217	14,160	89,738	21,230	9,630	77,605
United Kingdom	14,663	6,651	32,730	13,638	6,186	35,516
Australia	9,786	4,439	20,083	11,019	4,998	29,687
Netherlands	2,180	989	4,605	2,870	1,302	7,006
New Zealand	1,660	753	3,421	1,922	872	4,441
Mexico	1,407	638	3,352	1,508	684	4,262
Belgium	157	71	357	591	268	1,563
Trinidad & Tobago	401	182	728	359	163	791
Sweden	7	3	55	132	60	749
Other	1,903	863	4,681	1,882	853	4,936
Total	**63,380**	**28,749**	**159,750**	**55,151**	**25,016**	**166,556**

(1) Figures reflect both domestic and foreign (re-exports).
Source: U.S. Department of Commerce, U.S. Census Bureau.

FROZEN SURIMI EXPORTS,
BY COUNTRY OF DESTINATION, 2017 AND 2018 (1)

Country	2017			2018		
	Thousand pounds	Metric tons	Thousand dollars	Thousand pounds	Metric tons	Thousand dollars
Japan	165,629	75,129	165,006	169,803	77,022	195,131
South Korea	164,882	74,790	183,222	153,524	69,638	181,419
France	26,327	11,942	25,632	28,201	12,792	32,777
Spain	16,199	7,348	15,525	22,632	10,266	23,258
Thailand	17,130	7,770	16,785	16,352	7,417	19,095
Netherlands	14,041	6,369	14,753	15,300	6,940	17,750
Lithuania	19,537	8,862	19,043	10,609	4,812	12,996
China	7,714	3,499	7,939	9,063	4,111	11,500
Taiwan	2,540	1,152	2,577	4,504	2,043	4,824
Other	9,824	4,456	9,198	6,804	3,086	7,069
Total	**443,823**	**201,317**	**459,680**	**436,792**	**198,127**	**505,819**

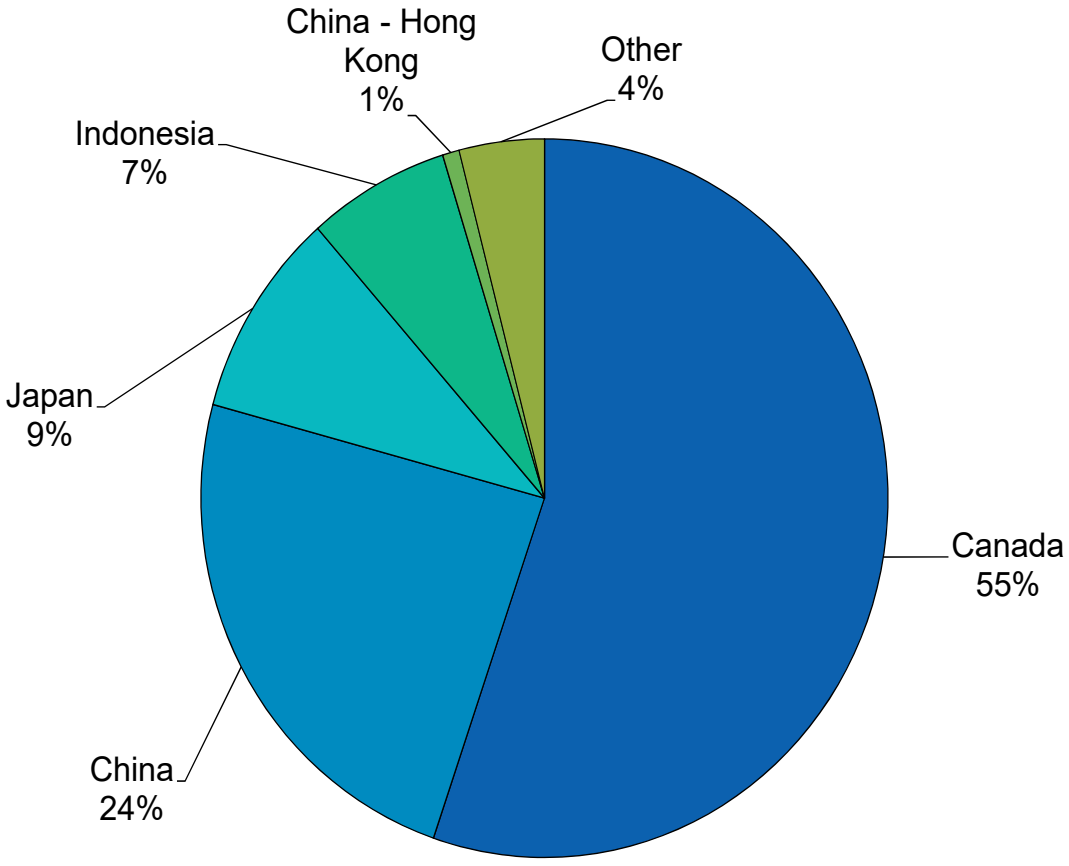
(1) Figures reflect both domestic and foreign (re-exports).
Source: U.S. Department of Commerce, U.S. Census Bureau.

FRESH AND FROZEN CRAB EXPORTS, BY COUNTRY OF DESTINATION, 2017 AND 2018 (1)

Country	2017			2018		
	Thousand pounds	Metric tons	Thousand dollars	Thousand pounds	Metric tons	Thousand dollars
Canada	24,517	11,121	90,089	23,342	10,588	88,424
China	11,766	5,337	76,520	10,124	4,592	75,661
Japan	2,542	1,153	27,098	3,937	1,786	40,845
Indonesia	1,925	873	8,896	2,829	1,283	13,051
China - Hong Kong	331	150	3,535	333	151	3,364
Thailand	95	43	1,384	183	83	2,314
South Korea	97	44	699	276	125	1,993
Vietnam	243	110	1,396	320	145	1,900
United Arab Emirates	165	75	1,699	130	59	1,310
Other	982	445	7,209	783	355	5,959
Total	**42,662**	**19,351**	**218,525**	**42,256**	**19,167**	**234,821**

(1) Figures reflect both domestic and foreign (re-exports).
Source: U.S. Department of Commerce, U.S. Census Bureau.

U.S. Crab Exports by Major Importer, 2018, by Volume

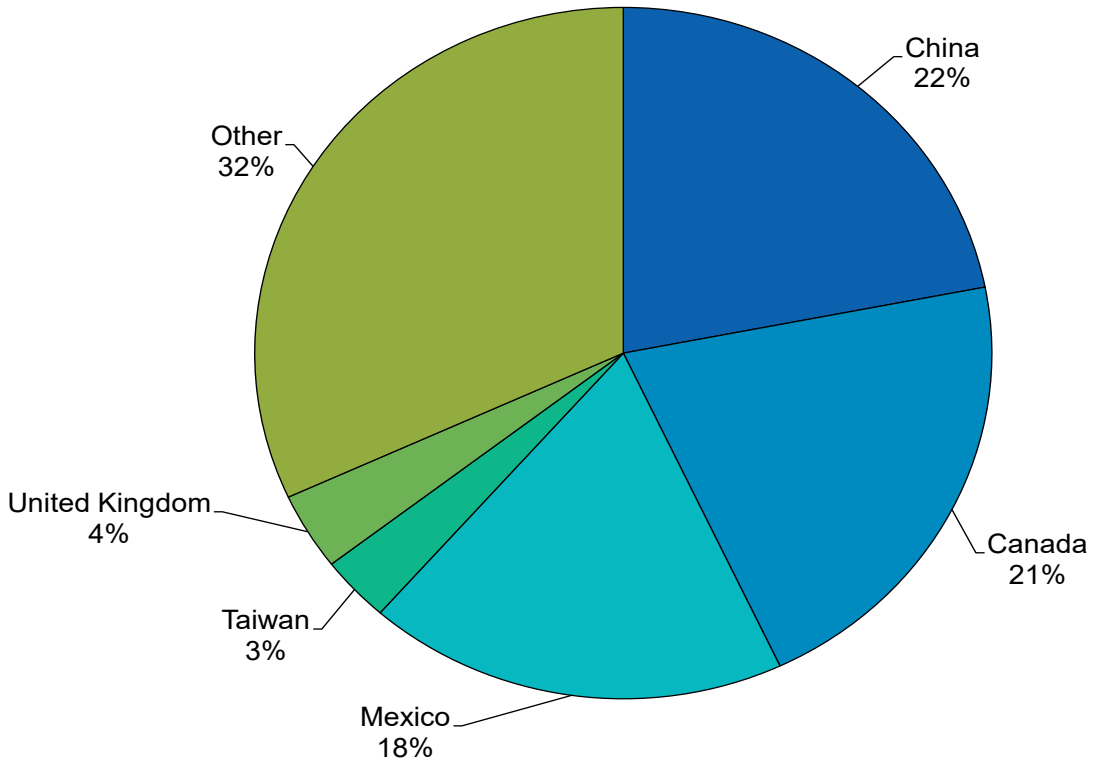


FRESH AND FROZEN CRABMEAT EXPORTS, BY COUNTRY OF DESTINATION, 2017 AND 2018 (1)

Country	2017			2018		
	Thousand pounds	Metric tons	Thousand dollars	Thousand pounds	Metric tons	Thousand dollars
China	348	158	2,181	723	328	5,206
Canada	880	399	5,556	694	315	5,064
Mexico	489	222	1,436	608	276	1,930
Taiwan	40	18	481	101	46	719
United Kingdom	-	-	-	119	54	688
Japan	317	144	1,103	247	112	664
South Korea	33	15	169	95	43	360
China - Hong Kong	174	79	486	66	30	349
Jamaica	82	37	458	55	25	337
Other	780	354	4,208	585	266	2,952
Total	**3,144**	**1,426**	**16,078**	**3,295**	**1,495**	**18,269**

(1) Figures reflect both domestic and foreign (re-exports).
Source: U.S. Department of Commerce, U.S. Census Bureau.

U.S. Crabmeat Exports by Major Importer, 2018, by Volume

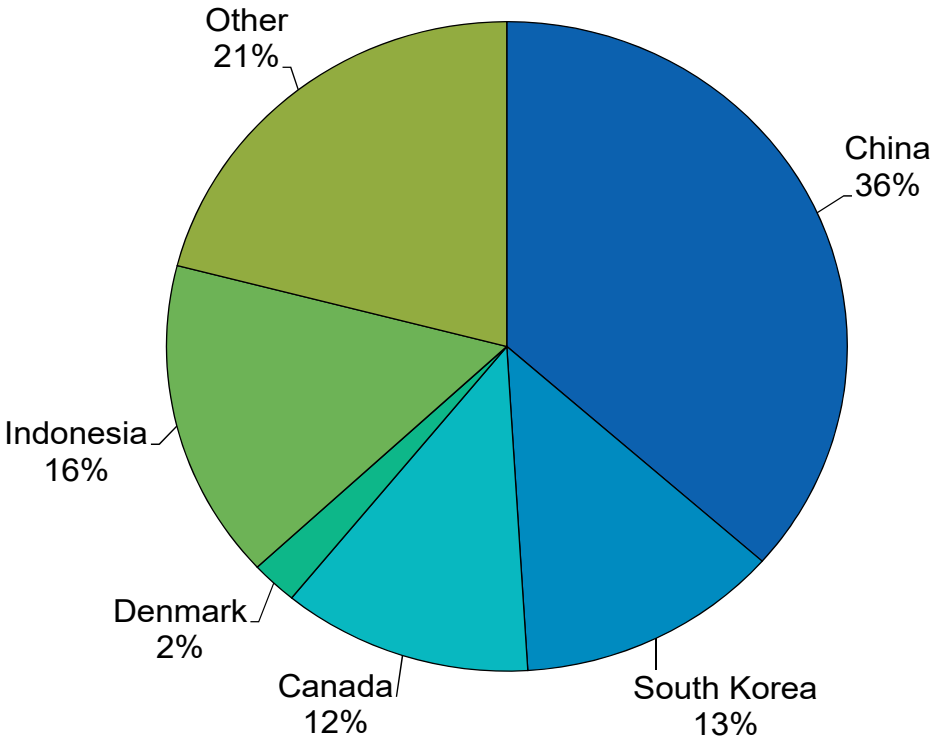


**FISH MEAL EXPORTS,
BY COUNTRY OF DESTINATION, 2017 AND 2018 (1)**

Country	2017			2018		
	Thousand pounds	Metric tons	Thousand dollars	Thousand pounds	Metric tons	Thousand dollars
China	135,027	61,248	86,957	116,943	53,045	79,147
South Korea	42,584	19,316	29,386	40,099	18,189	28,828
Canada	34,334	15,574	23,966	38,054	17,261	25,769
Denmark	-	-	-	7,077	3,210	16,156
Indonesia	68,142	30,909	14,624	50,926	23,100	12,060
Germany	758	344	677	19,493	8,842	11,252
Taiwan	10,289	4,667	5,797	13,395	6,076	8,124
Japan	6,301	2,858	3,829	12,784	5,799	7,623
Chile	-	-	-	3,256	1,477	2,112
Other	48,614	22,051	16,452	18,336	8,317	12,100
Total	**346,049**	**156,967**	**181,688**	**320,364**	**145,316**	**203,171**

(1) Figures reflect both domestic and foreign (re-exports).
Source: U.S. Department of Commerce, U.S. Census Bureau.

U.S. Fish Meal Exports by Major Importer, 2018, by Volume

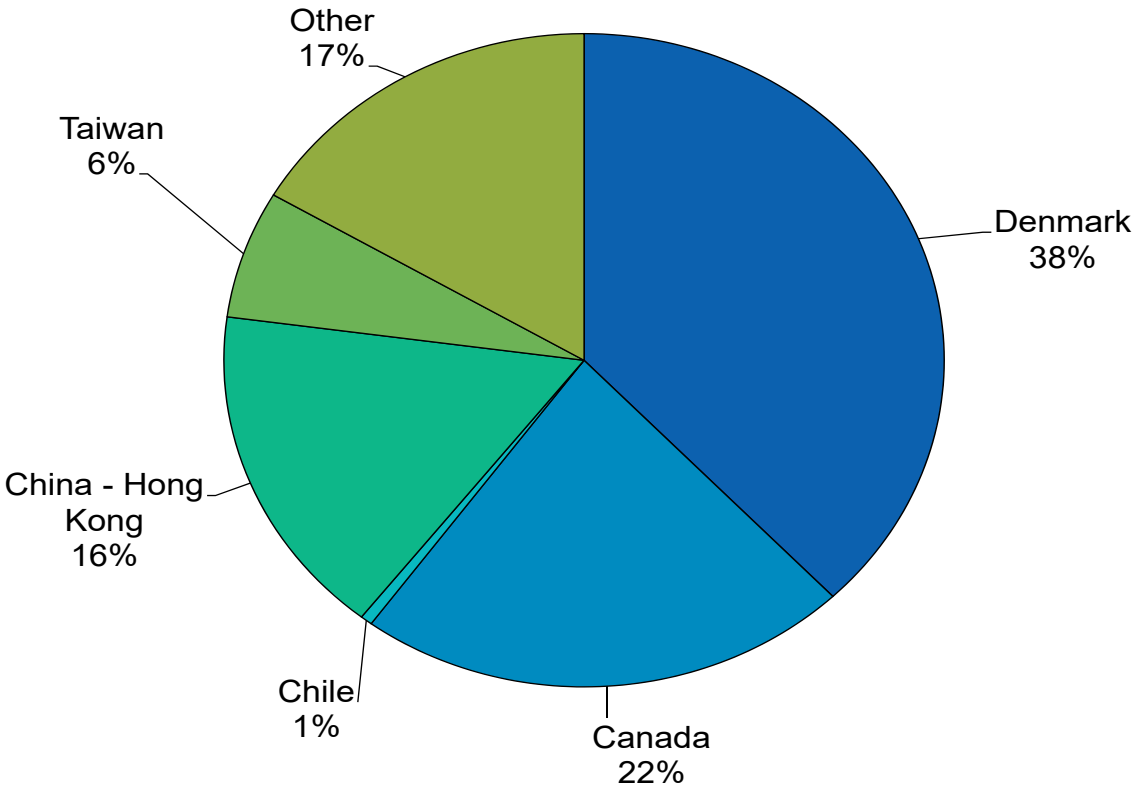


FISH AND MARINE ANIMAL OIL EXPORTS, BY COUNTRY OF DESTINATION, 2017 AND 2018 (1)

Country	2017			2018		
	Thousand pounds	Metric tons	Thousand dollars	Thousand pounds	Metric tons	Thousand dollars
Denmark	62,168	28,199	40,217	53,232	24,146	33,616
Canada	30,487	13,829	30,385	31,219	14,161	32,108
Chile	8,893	4,034	6,090	23,228	10,536	15,304
China - Hong Kong	1,162	527	9,420	756	343	11,977
Taiwan	7,520	3,411	6,798	8,891	4,033	7,451
Belgium	4	2	87	1,179	535	7,212
South Korea	8,829	4,005	8,484	7,496	3,400	7,202
Netherlands	1,215	551	6,920	930	422	4,236
China	789	358	2,537	399	181	3,940
Other	17,966	8,150	35,341	13,265	6,017	31,172
Total	**139,034**	**63,066**	**146,279**	**140,596**	**63,774**	**154,218**

(1) Figures reflect both domestic and foreign (re-exports).
Source: U.S. Department of Commerce, U.S. Census Bureau.

U.S. Fish Oil Exports by Major Importer, 2018, by Volume



U.S. Supply of Fishery Products

Supply of Fishery Products

U.S. SUPPLY OF EDIBLE AND INDUSTRIAL FISHERY PRODUCTS, 2009-2018
(Round weight)

Year	Domestic Commercial Landings	Imports	Exports	Total
	Million pounds			
2009	8,031	10,868	5,738	13,161
2010	8,231	11,517	6,129	13,619
2011	9,858	11,248	7,695	13,411
2012	9,634	11,123	8,259	12,498
2013	9,870	11,118	8,915	12,073
2014	9,486	11,945	9,344	12,087
2015	9,718	11,709	8,771	12,656
2016	9,572	11,970	8,675	12,867
2017	9,916	12,350	8,921	13,345
2018	**9,385**	**12,718**	**8,468**	**13,635**

U.S. SUPPLY OF EDIBLE FISHERY PRODUCTS, 2009-2018
(Round weight)

Year	Domestic Commercial Landings	Imports	Exports	Total
	Million pounds			
2009	6,198	10,439	4,760	11,877
2010	6,526	11,034	5,170	12,389
2011	7,909	10,823	6,602	12,130
2012	7,477	10,588	6,474	11,591
2013	8,043	10,529	7,066	11,506
2014	7,828	11,286	7,365	11,749
2015	7,750	11,098	6,936	11,912
2016	7,484	11,295	6,772	12,007
2017	8,228	11,577	6,984	12,821
2018	**7,500**	**11,979**	**6,674**	**12,805**

U.S. SUPPLY OF INDUSTRIAL FISHERY PRODUCTS, 2009-2018
(Round weight)

Year	Domestic Commercial Landings	Imports	Exports	Total
	Million pounds			
2009	1,833	430	978	1,285
2010	1,705	483	959	1,229
2011	1,949	425	1,093	1,281
2012	2,157	535	1,785	907
2013	1,827	589	1,850	566
2014	1,658	659	1,979	338
2015	1,968	611	1,835	744
2016	2,088	675	1,903	860
2017	1,688	773	1,938	523
2018	**1,886**	**739**	**1,794**	**831**

U.S. SUPPLY OF COMMERCIAL FINFISH AND SHELLFISH, 2017 and 2018

Item	Domestic Commercial landings		Imports		Exports		Total	
	2017	2018	2017	2018	2017	2018	2017	2018
	Thousand pounds—round weight							
Edible:								
Finfish	7,120,617	6,408,762	7,300,514	7,531,874	6,524,092	6,232,667	7,897,039	7,707,969
Shellfish, et al.	1,107,407	1,090,983	4,276,210	4,446,703	459,462	440,877	4,924,155	5,096,808
Subtotal	**8,228,024**	**7,499,745**	**11,576,724**	**11,978,577**	**6,983,554**	**6,673,545**	**12,821,194**	**12,804,777**
Industrial:								
Finfish	1,652,852	1,831,901	773,116	739,104	1,937,877	1,794,036	488,091	776,968
Shellfish, et al.	35,048	53,722	(1)	(1)	(1)	(1)	35,048	53,722
Subtotal	**1,687,900**	**1,885,623**	**773,116**	**739,104**	**1,937,877**	**1,794,036**	**523,139**	**830,690**
Total:								
Finfish	8,773,469	8,240,663	8,073,630	8,270,978	8,461,969	8,026,704	8,385,130	8,484,937
Shellfish, et al.	1,142,455	1,144,705	4,276,210	4,446,703	459,462	440,877	4,959,203	5,150,530
Grand Total	**9,915,924**	**9,385,368**	**12,349,840**	**12,717,681**	**8,921,431**	**8,467,581**	**13,344,333**	**13,635,468**

(1) Not available.

Note: Total landings shown in this table may not agree with landings reported in other tables due to rounding.

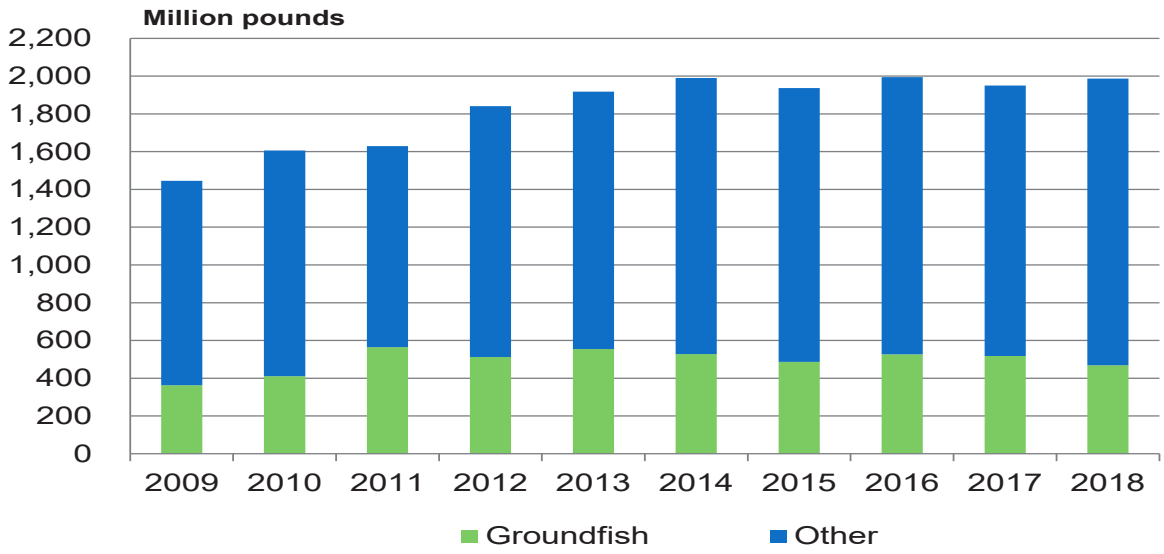
Supply of Fishery Products

U.S. SUPPLY OF ALL FILLETS AND STEAKS, 2009-2018 (edible weight)

Year	U.S. Production (1)	Imports	Total	Exports	Total Supply
	Thousand pounds				
2009	511,389	1,250,960	1,762,349	316,308	1,446,041
2010	584,563	1,326,331	1,910,894	304,413	1,606,481
2011	774,666	1,370,445	2,145,111	515,724	1,629,387
2012	691,764	1,467,223	2,158,987	318,111	1,840,876
2013	753,123	1,538,357	2,291,480	373,512	1,917,968
2014	822,030	1,576,748	2,398,778	408,710	1,990,068
2015	724,590	1,593,436	2,318,026	381,305	1,936,721
2016	784,211	1,602,840	2,387,051	391,941	1,995,110
2017	798,587	1,565,469	2,364,056	413,264	1,950,792
2018	**750,738**	**1,671,441**	**2,422,179**	**435,662**	**1,986,517**

(1) Includes fillets used to produce blocks.

U.S. Supply of Fillets and Steaks, 2009-2018



U.S. SUPPLY OF GROUNDFISH FILLETS AND STEAKS, 2009-2018 (edible weight)

Year	U.S. Production (1)	Imports	Total	Exports (2)	Total Supply
	Thousand pounds				
2009	367,572	205,314	572,886	209,596	363,290
2010	396,078	214,803	610,881	199,966	410,915
2011	605,292	235,354	840,646	275,636	565,010
2012	516,727	230,972	747,699	235,967	511,732
2013	601,315	245,427	846,742	292,509	554,234
2014	627,159	236,609	863,768	336,241	527,527
2015	568,029	222,435	790,464	303,781	486,683
2016	600,460	241,611	842,071	315,596	526,475
2017	605,559	249,702	855,261	337,755	517,506
2018	**567,324**	**253,224**	**820,548**	**351,790**	**468,758**

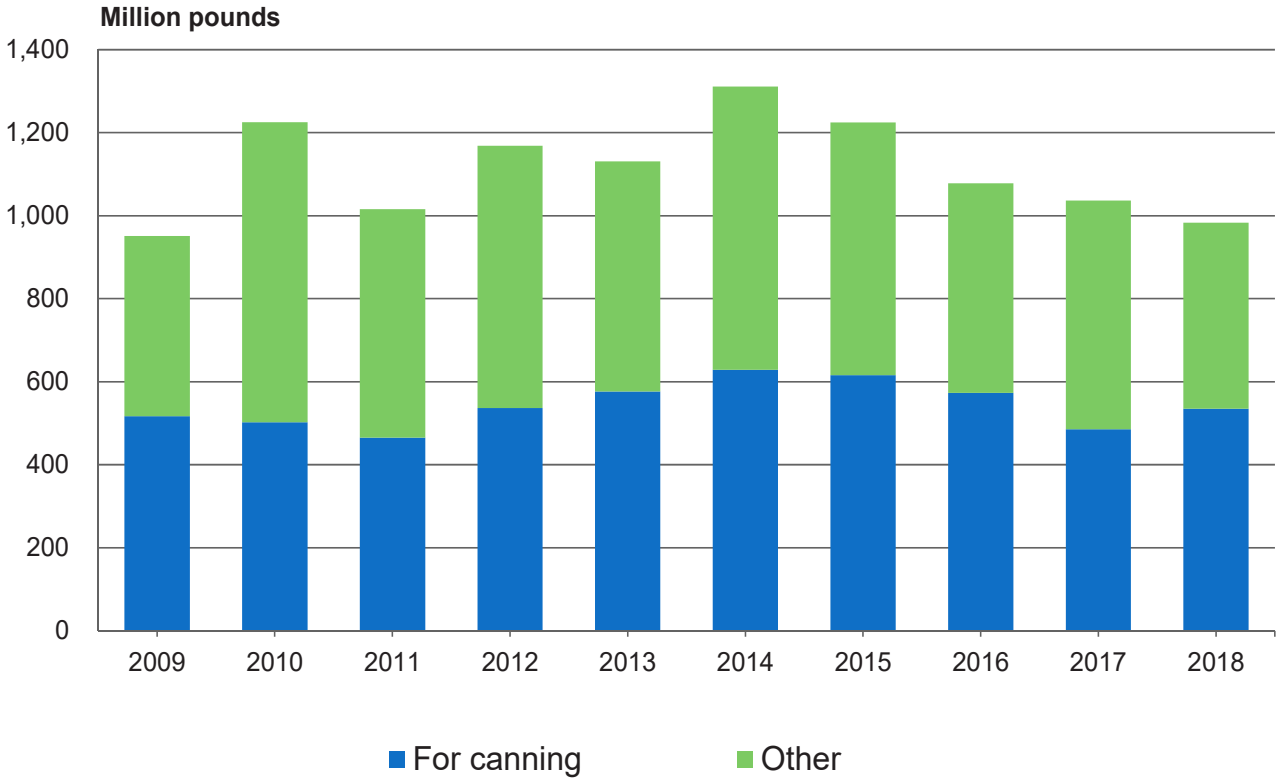
(1) Includes fillets used to produce blocks. Species include cod, cusk, haddock, hake, pollock, and ocean perch.
(2) Species include cod and pollock.

U.S. SUPPLY OF FRESH AND FROZEN TUNA, 2009-2018 (round weight)

Year	U.S. Commercial Landings (1)			Imports (2)			Exports Total	Total Supply
	For canning	Other	Total	For Canning	Other	Total		
	Thousand pounds							
2009	125,176	314,050	439,226	392,160	165,728	557,888	45,978	951,136
2010	68,936	461,972	530,908	433,475	304,366	737,841	43,426	1,225,323
2011	95,232	405,443	500,675	370,180	187,754	557,934	42,488	1,016,121
2012	136,680	484,800	621,480	399,830	212,879	612,709	65,469	1,168,720
2013	132,374	435,666	568,040	444,342	165,229	609,571	46,507	1,131,104
2014	169,074	533,297	702,371	459,517	188,218	647,735	38,839	1,311,267
2015	161,428	442,801	604,229	454,219	209,488	663,707	43,349	1,224,587
2016	173,454	301,033	474,487	399,291	248,681	647,972	44,528	1,077,931
2017	128,904	346,244	475,148	356,174	234,677	590,851	29,909	1,036,090
2018	**199,484**	**293,293**	**492,777**	**335,916**	**184,307**	**520,223**	**29,737**	**983,263**

(1) Includes quantity of fish landed at other ports by U.S.-flag vessels.
(2) Includes landings in American Samoa of foreign caught fish.

U.S. Supply of Fresh and Frozen Tuna, 2009-2018



Supply of Fishery Products

U.S. SUPPLY OF FRESH AND FROZEN SALMON, 2009-2018 (round weight)

Year	U.S. Commercial Landings			Imports Total	Exports Total	Total Supply
	For Canning	Other	Total			
	Thousand pounds					
2009	216,960	488,242	705,202	816,027	350,420	1,170,809
2010	223,345	564,395	787,740	783,370	428,024	1,143,086
2011	225,057	555,031	780,088	826,115	441,683	1,164,520
2012	182,987	452,818	635,805	1,013,010	381,181	1,267,634
2013	308,729	760,341	1,069,070	1,027,823	555,017	1,541,877
2014	136,586	583,615	720,201	1,158,950	484,204	1,394,947
2015	255,784	810,263	1,066,047	1,245,408	605,761	1,705,694
2016	81,394	479,642	561,036	1,269,733	463,739	1,367,030
2017	203,811	804,387	1,008,198	1,324,645	633,236	1,699,607
2018	**99,999**	**475,973**	**575,972**	**1,451,799**	**449,089**	**1,578,682**

U.S. SUPPLY OF CANNED SALMON, 2009-2018 (canned weight)

Year	U.S. Pack	Imports	Total	Exports	Total Supply
	Thousand pounds				
2009	141,917	22,789	164,706	97,342	67,364
2010	146,430	17,048	163,478	90,662	72,816
2011	147,699	14,290	161,989	112,024	49,965
2012	120,022	16,043	136,065	91,006	45,059
2013	202,752	25,580	228,332	100,472	127,860
2014	89,371	21,021	110,392	94,781	15,611
2015	167,643	19,771	187,414	86,703	100,711
2016	52,030	18,916	70,946	82,089	(11,143)
2017	133,878	21,757	155,635	63,371	92,264
2018	**65,585**	**22,256**	**87,841**	**55,151**	**32,690**

Our method of calculating canned salmon supply does not incorprate annual beginning and ending warehouse stock. Because of the biennial nature of the pink salmon fishery some salmon canned in one year may be exported in a following year. This may result in a negative value for total salmon supply.

U.S. SUPPLY OF CANNED TUNA, 2009-2018 (canned weight)

Year	U.S. Pack	Imports	Total	Exports	Total Supply
	Thousand pounds				
2009	369,231	397,981	767,212	4,969	762,243
2010	395,449	442,360	837,809	3,946	833,862
2011	384,904	412,696	797,600	4,210	793,390
2012	387,022	353,765	740,787	5,822	734,965
2013	383,565	347,392	730,957	5,443	725,514
2014	390,993	342,105	733,098	5,020	728,078
2015	399,866	313,373	713,239	9,325	703,914
2016	382,866	292,324	675,190	4,351	670,839
2017	363,193	311,928	675,121	4,767	670,354
2018	**346,407**	**345,330**	**368,663**	**3,338**	**365,325**

U.S. SUPPLY OF KING CRAB, 2009-2018 (round weight)

Year	U.S. Commercial Landings	Imports (1)	Total	Exports (1)	Total Supply
	Thousand pounds				
2009	22,391	64,205	86,596	24,504	62,092
2010	24,042	42,589	66,631	22,555	44,076
2011	17,003	40,163	57,166	21,846	35,320
2012	16,358	57,321	73,679	11,169	62,510
2013	15,434	50,647	66,081	12,581	53,500
2014	16,666	49,649	66,315	12,372	53,943
2015	17,532	45,909	63,441	10,695	52,747
2016	14,592	40,736	55,328	5,600	49,728
2017	12,895	40,533	53,428	7,309	46,119
2018	**11,177**	**45,433**	**56,610**	**6,793**	**49,816**

(1) Imports, exports, and foreign exports were converted to round (live) weight by using these conversion factors: frozen, 1.75; meat, 4.50; and canned, 5.33.

U.S. SUPPLY OF SNOW (TANNER) CRABS, 2009-2018 (round weight)

Year	U.S. Commercial Landings	Imports (1)	Total	Exports (2)	Total Supply
	Thousand pounds				
2009	61,530	195,030	256,560	32,751	223,809
2010	50,473	172,481	222,954	26,405	196,549
2011	60,017	160,832	220,849	43,651	177,198
2012	92,991	177,010	270,001	68,015	201,986
2013	68,937	206,192	275,129	46,069	229,060
2014	63,103	170,994	234,092	39,690	194,395
2015	100,095	184,049	284,144	45,087	239,056
2016	51,345	186,431	237,776	32,970	204,806
2017	23,713	186,431	210,144	15,905	194,239
2018	**22,877**	**164,955**	**187,832**	**14,204**	**173,628**

(1) Converted to round (live) weight by multiplying fresh and frozen by 1.50; meat, 4.50; and canned, 5.00.
(2) Domestic merchandise converted to round (live) weight by multiplying frozen weight by 2.13 (believed to be mostly sections); meat, 4.50; and canned, 5.33. Foreign exports converted using the same factors as imports.

U.S. SUPPLY OF CANNED CRABMEAT, 2009-2018 (canned weight)

Year	U.S. Pack	Imports	Total	Exports	Total Supply
	Thousand pounds				
2009	11	60,957	60,968	2,191	58,777
2010	699	67,979	68,678	2,952	65,726
2011	226	66,167	66,393	3,508	62,885
2012	260	71,184	71,444	4,120	67,324
2013	60	64,088	64,148	3,137	61,011
2014	63	64,235	64,298	2,542	61,756
2015	43	65,302	65,345	1,865	63,480
2016	180	62,309	62,489	1,941	60,548
2017	152	64,629	64,781	292	64,489
2018	**81**	**71,868**	**71,949**	**703**	**71,246**

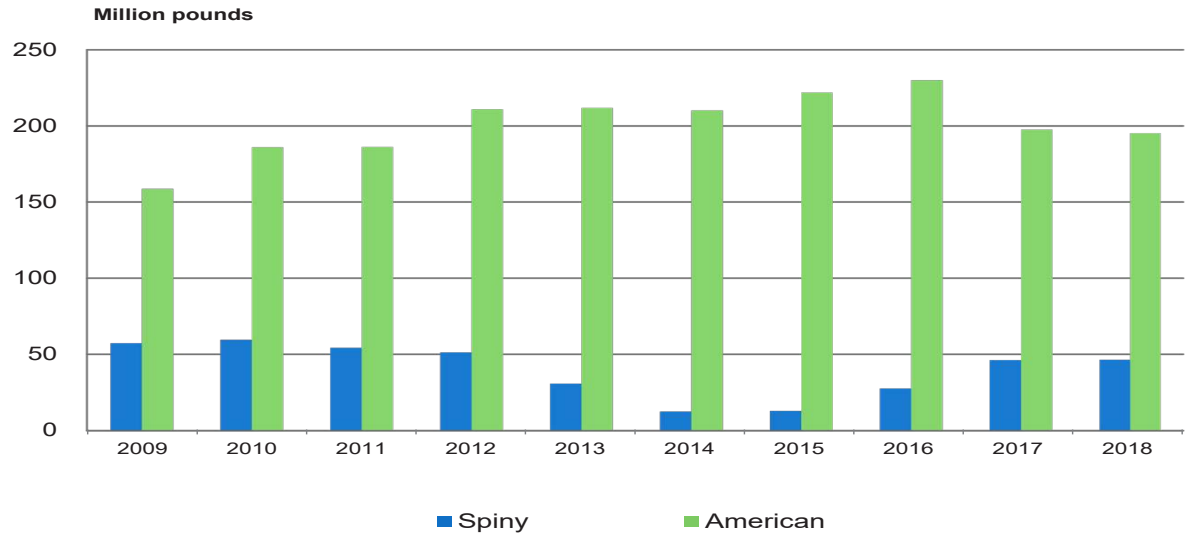
Supply of Fishery Products

U.S. SUPPLY OF AMERICAN LOBSTERS, 2009-2018 (Round weight)

Year	U.S. Commercial Landings	Imports (1)	Total	Exports (2)	Total Supply
	Thousand pounds				
2009	96,890	114,794	211,684	52,979	158,705
2010	115,433	141,993	257,426	71,398	186,028
2011	126,318	148,246	274,564	88,375	186,190
2012	149,550	167,832	317,382	106,463	210,919
2013	149,323	168,446	317,769	105,880	211,889
2014	147,786	179,987	327,773	117,574	210,199
2015	145,921	189,503	335,424	113,517	221,907
2016	158,561	193,918	352,479	122,375	230,104
2017	132,973	174,920	307,893	110,356	197,537
2018	**146,176**	**166,263**	**312,439**	**117,112**	**195,327**

(1) Only imports from Canada and St. Pierre and Miquelon are considered American lobster and were converted to round (live) weight by using these conversion factors: 1.00, whole; 4.50, meat; and 4.64, canned.
(2) Domestic exports converted to live weight by 1.00, whole; 4.00, meat; and 4.50, canned. Foreign exports converted using import factors.

U.S. Supply of Lobster, 2009-2018



U.S. SUPPLY OF SPINY LOBSTERS, 2009-2018 (Round weight)

Year	U.S. Commercial Landings	Imports (1)	Total	Exports (2)	Total Supply
	Thousand pounds				
2009	4,729	67,406	72,135	14,845	57,290
2010	6,371	79,927	86,298	26,760	59,538
2011	6,355	67,690	74,045	19,751	54,295
2012	4,808	61,530	66,338	15,119	51,220
2013	6,172	63,638	69,810	39,097	30,714
2014	4,778	56,526	61,304	48,815	12,489
2015	6,520	59,144	65,664	52,744	12,920
2016	5,861	52,433	58,294	30,721	27,573
2017	3,973	52,331	56,304	10,115	46,189
2018	**7,068**	**47,668**	**54,736**	**8,315**	**46,421**

(1) Imports were converted to round (live) weight by using these conversion factors: 1.00, whole; 3.00, tails; 4.35, other; and 4.50, canned.
(2) Domestic exports converted to round weight by using: 1.00, whole; 3.00, tails; 4.00, other; and 4.50 canned. Foreign exports converted using import factors.

U.S. SUPPLY OF CLAMS, 2009-2018 (meat weight)

Year	U.S. Commercial Landings (1)	Imports (2)	Total	Exports	Total supply
	Thousand pounds				
2009	101,137	21,875	123,012	7,243	115,769
2010	88,891	22,941	111,832	6,675	105,157
2011	86,449	25,260	111,709	4,318	107,391
2012	90,563	25,006	115,569	6,961	108,608
2013	91,090	27,995	119,085	8,338	110,747
2014	90,744	20,831	111,575	2,815	108,760
2015	86,096	22,299	108,395	2,916	105,480
2016	88,886	22,189	111,075	2,189	108,886
2017	84,883	20,995	105,878	4,674	101,204
2018	**85,670**	**21,893**	**107,563**	**4,500**	**103,063**

(1) For species breakout see the "U.S. Domestic Landings by Species" table in the U.S. Commercial Landings section.
(2) Imports and exports were converted to meat weight by using these conversion factors: 0.40, in shell or shucked; 0.30, canned chowder and juice; and 0.93, other.

U.S. SUPPLY OF OYSTERS, 2009-2018 (meat weight)

Year	U.S. Commercial Landings	Imports (1)	Total	Exports	Total Supply
	Thousand pounds				
2009	35,571	31,745	67,316	8,604	58,712
2010	28,080	34,656	62,736	5,922	56,814
2011	28,504	42,614	71,118	7,989	63,129
2012	33,087	27,277	60,364	6,253	54,111
2013	35,399	30,545	65,944	5,976	59,968
2014	34,135	30,153	66,889	6,436	58,352
2015	27,535	34,883	65,766	6,380	57,437
2016	33,295	36,618	69,913	5,844	64,069
2017	31,805	41,478	73,283	7,611	65,672
2018	**30,304**	**49,802**	**80,106**	**7,850**	**72,256**

(1) Imports and exports were converted to meat weight by using these conversion factors: 0.93, canned; 3.12, canned smoked; and 0.75, other.

U.S. SUPPLY OF SCALLOPS, 2009-2018 (meat weight)

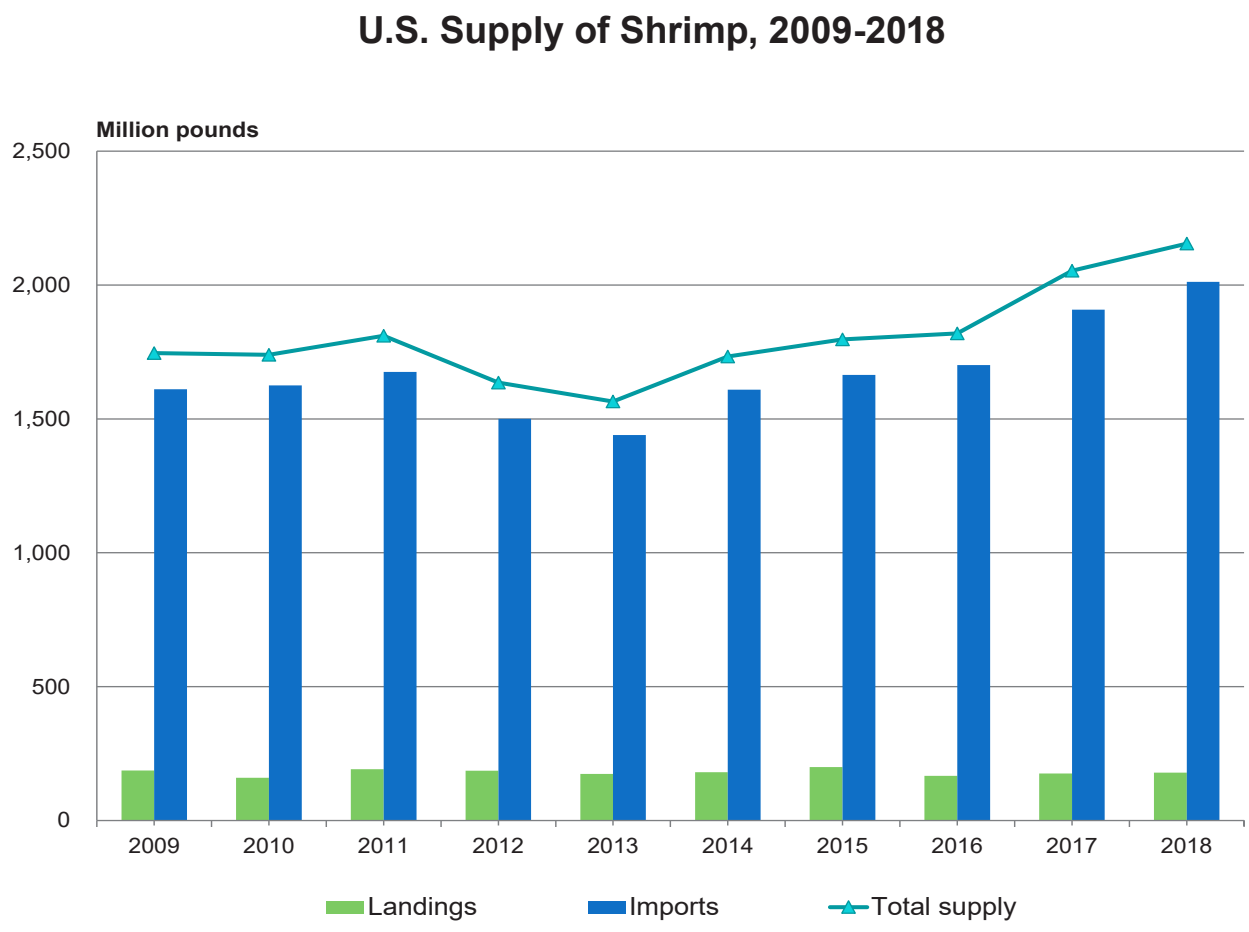
Year	U.S. Commercial Landings (1)	Imports	Total	Exports	Total Supply
	Thousand pounds				
2009	58,275	53,816	112,091	21,951	90,140
2010	57,584	50,424	108,008	23,137	84,871
2011	59,277	55,483	114,760	29,941	84,819
2012	57,471	33,565	91,036	31,512	59,524
2013	41,173	59,910	101,083	26,693	74,390
2014	33,980	59,449	93,429	25,533	67,896
2015	35,824	47,879	83,703	21,703	62,000
2016	40,611	49,428	90,039	22,392	67,647
2017	51,733	39,438	91,171	20,268	70,903
2018	**58,382**	**44,775**	**103,157**	**16,500**	**86,657**

(1) For species breakout see the "U.S. Domestic Landings by Species" table in the U.S. Commercial Landings section.

U.S. SUPPLY OF ALL FORMS OF SHRIMP, 2009-2018 (head-off weight)

Year	U.S. Commercial Landings (1)	Imports (2)	Total	Exports (3)	Total Supply
	Thousand pounds				
2009	187,062	1,611,019	1,798,081	52,438	1,745,643
2010	159,355	1,625,165	1,784,520	45,022	1,739,498
2011	192,033	1,675,412	1,867,445	57,300	1,810,144
2012	186,073	1,500,771	1,686,844	51,359	1,635,484
2013	173,754	1,440,126	1,613,880	48,994	1,564,886
2014	180,245	1,609,059	1,789,304	56,023	1,733,281
2015	199,476	1,664,556	1,864,032	67,348	1,796,684
2016	167,023	1,701,002	1,868,025	48,659	1,819,366
2017	176,006	1,908,019	2,084,025	30,966	2,053,059
2018	**178,741**	**2,012,201**	**2,190,943**	**36,332**	**2,154,611**

(1) Commercial landings were converted to heads-off weight by using these conversion factors: South Atlantic and Gulf, 0.629; and New England, Pacific and other, 0.57.
(2) Imports were converted to heads-off weight by using these conversion factors: breaded, 0.63; shell-on, 1.00; peeled raw, 1.28; canned, 2.52; and other, 2.40.
(3) Exports were converted to heads-off weight by using these conversion factors: domestic fresh and frozen, 1.18; canned, 2.02; other, 2.40; foreign--fresh and frozen, 1.00; canned, 2.52; and other, 2.40.



U.S. SUPPLY OF FISH MEAL, 2009-2018 (product weight)

Year	U.S. Production (1)	Imports	Total	Exports	Total Supply
	Thousand pounds				
2009	472,805	76,731	549,536	174,613	374,923
2010	487,692	86,251	573,943	171,240	402,702
2011	620,823	75,858	696,681	195,017	501,664
2012	585,565	95,532	681,097	318,803	362,294
2013	508,056	105,192	613,248	330,280	282,969
2014	515,000	117,653	632,653	353,325	279,328
2015	610,362	109,117	719,479	327,701	391,778
2016	559,132	120,517	679,649	339,881	339,768
2017	568,735	138,058	706,793	346,053	360,740
2018	**630,256**	**131,983**	**762,239**	**320,367**	**441,872**

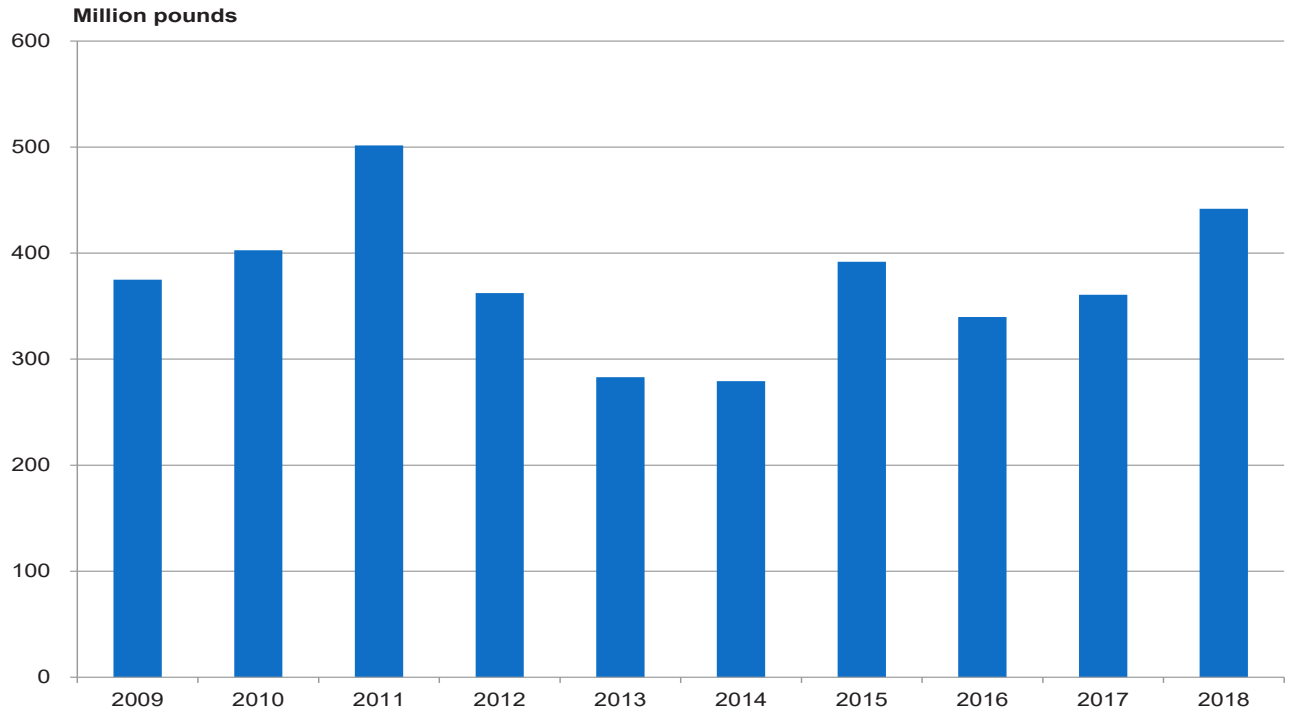
(1) Includes shellfish meal.

U.S. SUPPLY OF FISH OILS, 2009-2018 (product weight)

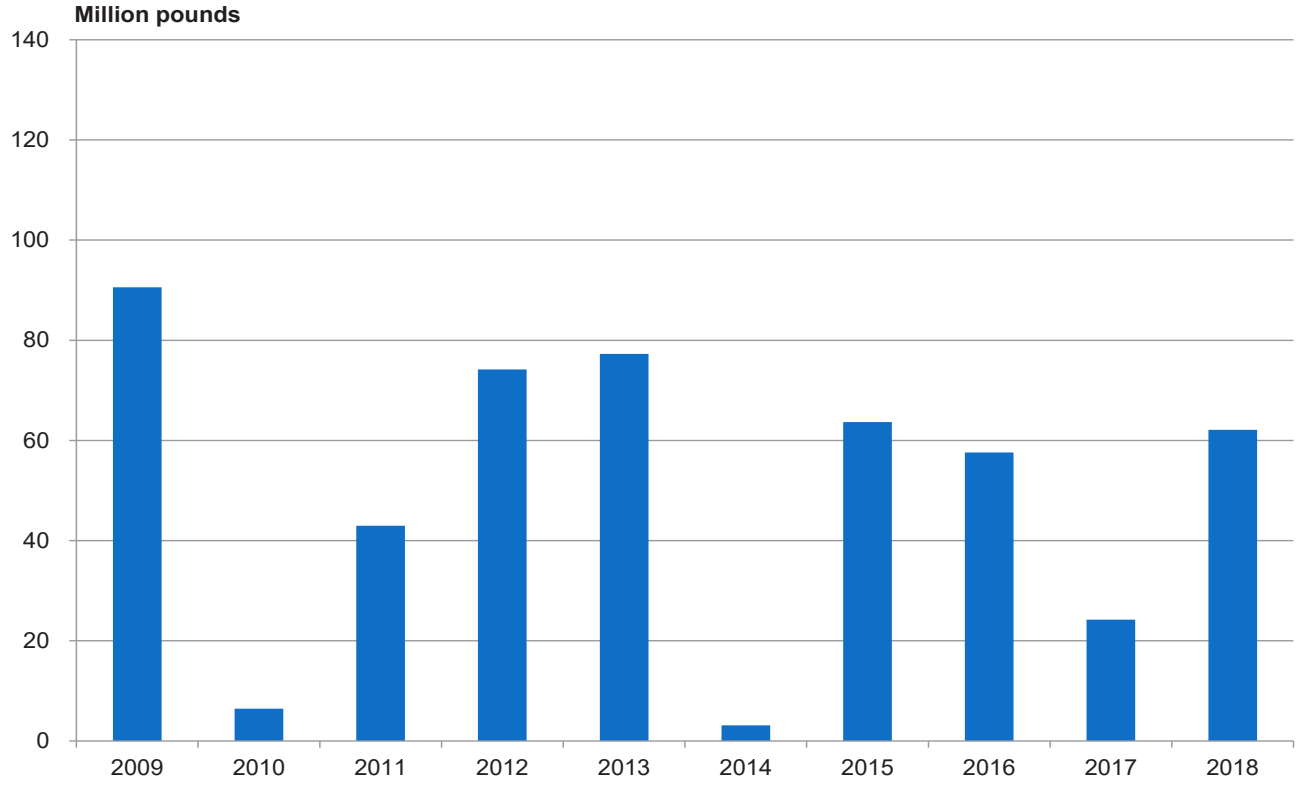
Year	U.S. Production	Imports	Total	Exports	Total Supply
	Thousand pounds				
2009	168,157	34,341	202,498	111,938	90,560
2010	136,362	45,061	181,423	174,985	6,437
2011	143,171	48,880	192,051	149,071	42,981
2012	115,090	52,055	167,145	92,983	74,162
2013	175,876	53,040	228,916	151,650	77,266
2014	139,005	41,354	180,359	177,232	3,127
2015	139,951	44,780	184,731	121,077	63,654
2016	177,459	46,749	224,208	166,595	57,613
2017	112,236	51,017	163,253	139,035	24,218
2018	**154,777**	**47,957**	**202,734**	**140,596**	**62,138**

Supply of Fishery Products

U.S. Supply of Fish Meal, 2009-2018



U.S. Supply of Fish Oils, 2009-2018



Per Capita Consumption

Per Capita Consumption

The NOAA Fisheries calculation of per capita consumption is based on a "disappearance" model. The total U.S. supply of imports and landings is converted to edible weight; decreases in supply, such as exports and industrial uses, are subtracted. The remaining total is divided by the U.S. population to estimate per capita consumption. Data for the model are derived primarily from secondary sources and are subject to incomplete reporting. Changes in source data, invalid model assumptions, or inaccurate or outdated conversion factors may each have a significant effect on the resulting calculation.

Estimated U.S. per capita consumption of fish and shellfish was 16.1 pounds (edible meat) in 2018. This total is an increase of 0.1 pound from the 16.0 pounds consumed in 2017. The 2018 figure represents the highest consumption level since 2007. Consumption of shrimp products continues to increase, reaching 4.6 pounds in 2018, the highest total reported. The 2018 level of fresh and frozen consumption of 12.3 pounds is a 0.2 pound increase from the 2017 figure and equals the highest level recorded. A small decrease in consumption of canned seafood products was driven by a decrease in canned salmon production in 2018. The model used to calculate consumption does not take into account inventories of products on hand at the beginning and end of the year, so all production is assumed to be consumed in the year it is produced. Because the primary salmon that is canned, pink salmon, generally has a large harvest every other year, apparent fluctuations in the consumption of canned salmon will result. The weaker pink salmon harvest in 2018 leads to a lower consumption figure, but it is reasonable to assume that some salmon canned in previous years was actually consumed in 2018. It may be better to combine consecutive years to derive a more realistic figure of canned salmon consumption.

Of the per capita consumption of fresh and frozen products, fresh and frozen finfish accounted for 6.3 pounds, while fresh and frozen shellfish consumption was 6.0 pounds per capita. Consumption of canned fishery products was 3.5 pounds per capita in 2018. Cured fish accounted for 0.3 pounds per capita, the same as in previous years.

NOAA calculates the percent of edible seafood consumption that is made up of imports by converting all imports, exports, domestic landings, and domestic processing into a common, standard edible meat weight. Numerous conversion factors are used to calculate this edible meat weight standard, and the accuracy and variability of these factors are likely to effect the overall calculation. In addition, this figure may include a substantial amount of domestic catch that was exported for further processing and returned to the United States as an import in a processed form. Note that these returned products are still correctly considered "imports" even though they are of domestic origin. This measure of consumption from imported seafood has been rising in recent years and reflects the increase in imported seafood. Since 2010 the number has been greater than 85 percent each year and the corresponding figure for 2018 is 94 percent. However, NOAA Fisheries believes that the existing model overestimates this percentage and we are investigating improvements to the model. Therefore, while seafood imports are rising, the exact percentage of consumption from imports is difficult to calculate. We will continue to explore better ways to report consumption and indicate the Nation's dependence on imported seafood.

WORLD CONSUMPTION

The calculation used by the Food and Agriculture Organization of the United Nations for apparent consumption is also based on a disappearance model, but with slightly different assumptions and based on a round-weight standard. The 4-year average considers a country's landings, imports, and exports. The average data from 2013 to 2016, along with 2016 population figures, indicate that the U.S. now ranks as the second largest consumer of seafood in the world after China.

Annual per capita consumption of seafood products represents the pounds of edible meat consumed from domestically caught and imported fish and shellfish adjusted for exports, divided by the civilian resident population of the United States as of July 1 of each year.

U.S. ANNUAL PER CAPITA CONSUMPTION OF COMMERCIAL FISH AND SHELLFISH, 1910-2018

Year	Civilian Resident Population July 1 (1)	Per Capita Consumption			
		Fresh and Frozen (2)	Canned (3)	Cured (4)	Total
	Million persons	--------Pounds, edible meat--------			
1910	92.2	4.5	2.8	3.9	11.2
1920	106.5	6.3	3.2	2.3	11.8
1930	122.9	5.8	3.4	1.0	10.2
1940	132.1	5.7	4.6	0.7	11.0
1950	150.8	6.3	4.9	0.6	11.8
1960	178.1	5.7	4.0	0.6	10.3
1970	201.9	6.9	4.5	0.4	11.8
1980	225.6	7.9	4.3	0.3	12.5
1990	247.8	9.6	5.1	0.3	15.0
1991	250.5	9.7	4.9	0.3	14.9
1992	253.5	9.9	4.6	0.3	14.8
1993	256.4	10.2	4.5	0.3	15.0
1994	259.2	10.4	4.5	0.3	15.2
1995	261.4	10.0	4.7	0.3	15.0
1996	264.0	10.0	4.5	0.3	14.8
1997	266.4	9.9	4.4	0.3	14.6
1998	269.1	10.2	4.4	0.3	14.9
1999	271.5	10.4	4.7	0.3	15.4
2000	280.9	10.2	4.7	0.3	15.2
2001	283.6	10.3	4.2	0.3	14.8
2002	287.1	11.0	4.3	0.3	15.6
2003 (5)	289.6	11.4	4.6	0.3	16.3
2004	292.4	11.8	4.5	0.3	*16.6
2005	295.3	11.6	4.3	0.3	16.2
2006	298.2	*12.3	3.9	0.3	16.5
2007	300.5	12.1	3.9	0.3	16.3
2008	302.9	11.8	3.9	0.3	16.0
2009	305.8	12.0	3.7	0.3	16.0
2010	308.4	11.6	3.9	0.3	15.8
2011	310.4	10.9	3.8	0.3	15.0
2012	312.7	10.5	3.6	0.3	14.4
2013	314.9	10.5	3.7	0.3	14.5
2014	317.6	10.9	3.4	0.3	14.6
2015	320.2	11.5	3.7	0.3	15.5
2016	321.9	11.3	3.3	0.3	14.9
2017	324.5	12.1	3.6	0.3	16.0
2018	**326.0**	***12.3**	**3.5**	**0.3**	**16.1**

(1) Resident population is used for 1910 and 1920 and civilian resident population is used since 1930.
(2) Fresh and frozen fish consumption for 1910 and 1920 is estimated. Beginning in 1973, data include consumption of cultivated catfish.
(3) Canned fish consumption for 1920 is estimated. Beginning in 1921, it is based on production reports, packer stocks, and foreign trade statistics for individual years
(4) Cured fish consumption for 1910 and 1920 is estimated.
(5) The use of beginning and ending inventories was discontinued as of 2003.
*Record years: Fresh & Frozen -- 12.3,2006 and 2018; Canned -- 5.8, 1936; Cured -- 4.0, 1909.

U.S. ANNUAL PER CAPITA CONSUMPTION OF CANNED FISHERY PRODUCTS, 1986-2018

Year	Salmon	Sardines	Tuna	Shellfish	Other	Total
	Pounds					
1986	0.5	0.3	3.6	0.5	0.5	5.4
1987	0.4	0.3	3.5	0.5	0.5	5.2
1988	0.3	0.3	3.6	0.4	0.3	4.9
1989	0.3	0.3	3.9	0.4	0.2	5.1
1990	**0.4**	**0.3**	**3.7**	**0.3**	**0.4**	**5.1**
1991	**0.5**	**0.2**	**3.6**	**0.4**	**0.2**	**4.9**
1992	0.5	0.2	3.5	0.3	0.1	4.6
1993	0.4	0.2	3.5	0.3	0.1	4.5
1994	0.4	0.2	3.3	0.3	0.3	4.5
1995	0.5	0.2	3.4	0.3	0.3	4.7
1996	0.5	0.2	3.2	0.3	0.3	4.5
1997	0.4	0.2	3.1	0.3	0.4	4.4
1998	0.3	0.2	3.4	0.3	0.2	4.4
1999	0.3	0.2	3.5	0.4	0.3	4.7
2000	**0.3**	**0.2**	**3.5**	**0.3**	**0.4**	**4.7**
2001	0.4	0.2	2.9	0.3	0.4	4.2
2002	0.5	0.1	3.1	0.3	0.3	4.3
2003	0.4	0.1	3.4	0.4	0.3	4.6
2004	0.3	0.1	3.3	0.4	0.4	4.5
2005	0.4	0.1	3.1	0.4	0.3	4.3
2006	0.2	0.2	2.9	0.4	0.2	3.9
2007	0.3	0.2	2.7	0.4	0.3	3.9
2008	0.1	0.2	2.8	0.4	0.4	3.9
2009	0.2	0.2	2.5	0.4	0.4	3.7
2010	**0.2**	**0.2**	**2.7**	**0.4**	**0.4**	**3.9**
2011	0.2	0.2	2.6	0.4	0.4	3.8
2012	0.2	0.2	2.4	0.4	0.4	3.6
2013	0.4	0.2	2.3	0.4	0.4	3.7
2014	0.1	0.2	2.3	0.4	0.4	3.4
2015	0.3	0.2	2.2	0.5	0.5	3.7
2016	0.0	0.2	2.1	0.5	0.5	3.3
2017	0.3	0.3	2.1	0.5	0.6	3.6
2018	**0.1**	**0.2**	**2.1**	**0.5**	**0.6**	**3.5**

U.S. ANNUAL PER CAPITA CONSUMPTION OF CERTAIN FISHERY ITEMS, 1986-2018

Year	Fillets and Steaks (1)	Sticks and Portions	Shrimp, All Preparations
	Pounds (2)		
1986	3.4	1.8	2.2
1987	3.6	1.7	2.4
1988	3.2	1.5	2.4
1989	3.1	1.5	2.3
1990	**3.1**	**1.5**	**2.2**
1991	3.0	1.2	2.4
1992	2.9	0.9	2.5
1993	2.9	1.0	2.5
1994	3.1	0.9	2.6
1995	2.9	1.2	2.5
1996	3.0	1.0	2.5
1997	3.0	1.0	2.7
1998	3.2	0.9	2.8
1999	3.2	1.0	3.0
2000	**3.6**	**0.9**	**3.2**
2001	3.7	0.8	3.4
2002	4.1	0.8	3.7
2003	4.3	0.7	4.0
2004	4.6	0.7	4.2
2005	5.0	0.9	4.1
2006	5.2	0.9	4.4
2007	5.0	0.9	4.1
2008	4.8	1.0	4.1
2009	4.6	0.7	4.1
2010	**5.0**	**0.9**	**4.0**
2011	5.0	0.9	4.2
2012	5.6	0.7	3.8
2013	5.9	0.6	3.6
2014	5.9	0.6	4.0
2015	*5.9	0.7	4.0
2016	5.8	0.5	4.1
2017	5.8	0.6	4.4
2018	**5.8**	**0.5**	***4.6**

(1) Data include groundfish and other species. Data do not include blocks, but fillets could be made into blocks from which sticks and portions could be produced.

(2) Product weight of fillets and steaks, sticks and portions; edible (meat) weight of shrimp.

* Record

PER CAPITA CONSUMPTION OF FISH AND SHELLFISH FOR HUMAN FOOD, BY REGION AND COUNTRY, 2013-2016 AVERAGE

Region and Country	Estimated Live Weight Equivalent	
	Kilograms	Pounds
North America:		
Bermuda	47.3	104.4
Canada	22.8	50.2
Greenland	87.8	193.7
Saint Pierre & Miquelon	69.1	152.2
United States	22.0	48.5
Caribbean:		
Anguilla	51.6	113.7
Antigua and Barbuda	50.2	110.6
Aruba	47.2	104.0
Bahamas	27.0	59.5
Barbados	40.3	88.7
Bonaire	9.1	20.1
British Virgin Islands	26.6	58.6
Cayman Islands	14.7	32.3
Cuba	6.4	14.1
Curaçao	30.5	67.2
Dominica	30.5	67.2
Dominican Republic	9.0	19.9
Grenada	27.3	60.2
Guadeloupe	21.8	48.0
Haiti	5.2	11.5
Jamaica	22.2	49.0
Martinique	10.7	23.6
Montserrat	38.1	83.9
Puerto Rico	0.4	0.9
Saint Kitts & Nevis	34.6	76.2
Saint Lucia	24.4	53.7
Saint Vincent	18.2	40.1
Sint Maarten	6.5	14.4
Trinidad & Tobago	25.5	56.2
Turks & Caicos	47.3	104.2
U.S. Virgin Islands	4.6	10.0
Latin America:		
Argentina	6.3	14.0
Belize	12.7	28.0
Bolivia	2.6	5.7
Brazil	9.3	20.4
Chile	12.7	27.9
Colombia	7.3	16.0
Costa Rica	13.1	28.9
Ecuador	8.4	18.6
El Salvador	6.8	15.0
Falkland Islands	42.5	93.7
French Guiana	14.5	31.9
Guatemala	2.7	5.9
Guyana	30.8	67.8
Honduras	3.3	7.3
Mexico	14.8	32.6
Nicaragua	6.4	14.2
Panama	13.6	30.0
Paraguay	4.1	9.1
Peru	23.9	52.8
Suriname	17.2	38.0
Uruguay	8.6	19.0
Venezuela	9.5	21.0
Europe:		
Albania	5.3	11.7
Armenia	6.2	13.7
Austria	14.0	31.0
Azerbaijan	2.7	6.0
Belarus	16.2	35.8
Belgium	24.9	54.9

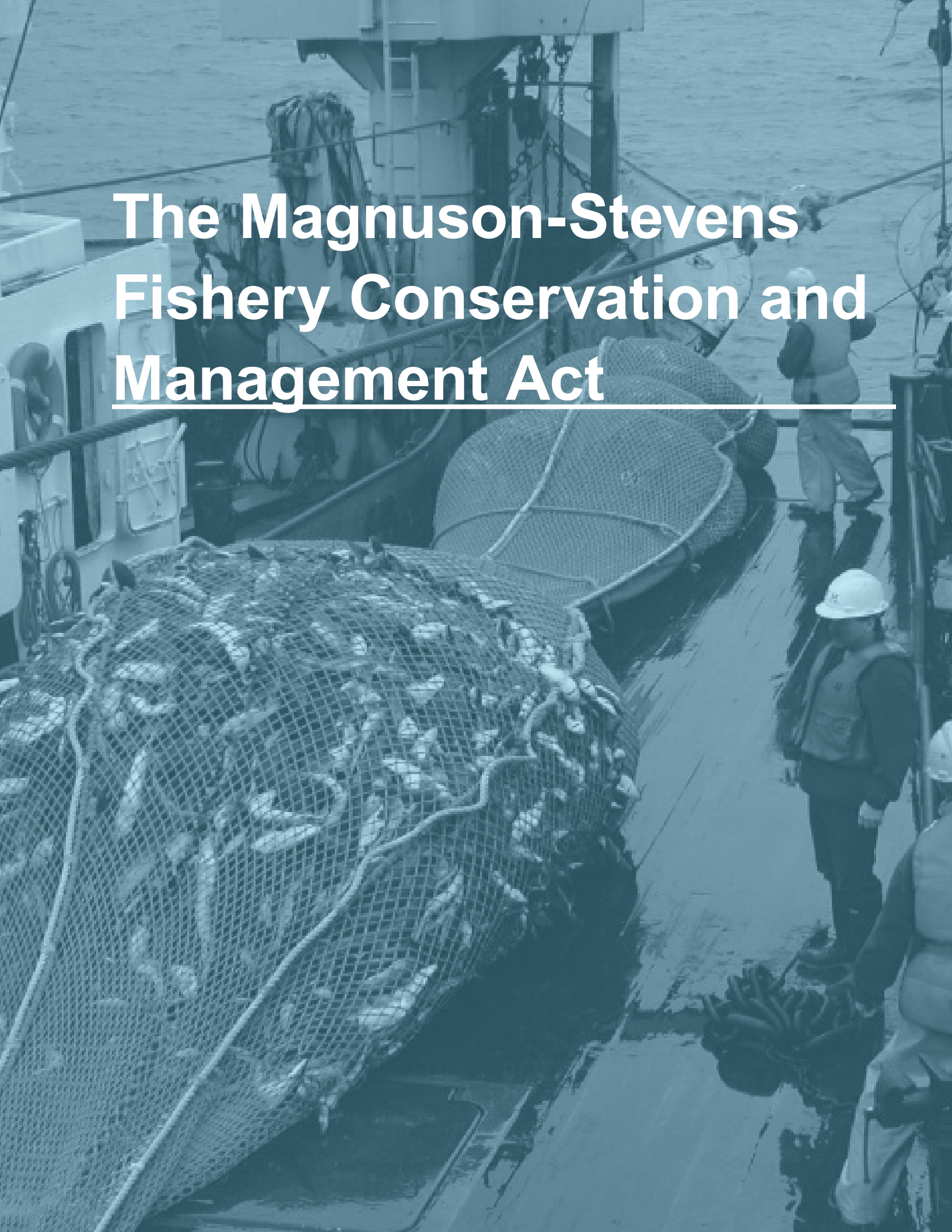
Region and Country	Estimated Live Weight Equivalent	
	Kilograms	Pounds
Bosnia-Herzegovina	4.6	10.2
Bulgaria	7.0	15.4
Croatia	17.3	38.1
Czech Republic	9.0	19.9
Denmark	22.9	50.5
Estonia	14.4	31.7
Faroe Islands	87.7	193.4
Finland	34.4	75.9
France	33.7	74.4
Georgia	7.6	16.8
Germany	13.3	29.3
Greece	17.8	39.3
Hungary	5.2	11.5
Iceland	91.9	202.5
Ireland	21.2	46.8
Italy	29.7	65.4
Kazakhstan	4.6	10.1
Kyrgyzstan	2.5	5.4
Latvia	24.4	53.7
Lithuania	32.1	70.8
Luxembourg	35.1	77.3
Malta	32.7	72.1
Moldova	11.1	24.5
Montenegro	12.1	26.8
Netherlands	22.1	48.7
North Macedonia	5.6	12.3
Norway	50.5	111.4
Poland	10.6	23.4
Portugal	54.1	119.4
Romania	5.9	13.0
Russian Federation	21.3	46.9
Serbia	6.2	13.7
Slovakia	9.0	19.8
Slovenia	11.3	24.8
Spain	43.7	96.2
Sweden	31.4	69.2
Switzerland	17.2	38.0
Tajikistan	0.5	1.1
Turkmenistan	3.5	7.7
Ukraine	10.9	23.9
United Kingdom	20.1	44.2
Uzbekistan	2.2	4.8
Near East:		
Afghanistan	0.2	0.5
Bahrain	12.0	26.5
Cyprus	23.5	51.8
Egypt	23.4	51.5
Iran	10.9	24.1
Iraq	3.0	6.5
Israel	22.3	49.1
Jordan	5.9	13.0
Kuwait	11.9	26.2
Lebanon	9.8	21.7
Oman	28.3	62.3
Qatar	19.5	43.0
Saudi Arabia	12.3	27.2
Syria	1.9	4.3
Turkey	5.2	11.4
United Arab Emirates	25.6	56.4
Yemen	4.1	9.0
Far East:		
Bangladesh	23.1	50.8
Bhutan	6.0	13.2
Brunei	47.0	103.7
Burma	47.1	103.8
Cambodia	42.0	92.5

PER CAPITA CONSUMPTION OF FISH AND SHELLFISH FOR HUMAN FOOD, BY REGION AND COUNTRY, 2013-2016 AVERAGE

Region and Country	Estimated Live Weight Equivalent	
	Kilograms	Pounds
China	38.0	83.7
China - Hong Kong	71.0	156.5
China - Macao	61.7	136.0
India	6.4	14.1
Indonesia	30.8	68.0
Japan	47.3	104.3
Laos	25.0	55.2
Malaysia	57.2	126.0
Maldives	149.2	328.8
Mongolia	0.6	1.3
Nepal	2.7	5.9
North Korea	11.1	24.5
Pakistan	1.9	4.1
Philippines	29.5	65.0
Singapore	50.0	110.2
South Korea	56.2	124.0
Sri Lanka	31.1	68.6
Taiwan	32.0	70.6
Thailand	25.0	55.1
Timor-Leste	6.2	13.7
Vietnam	33.8	74.6
Africa:		
Algeria	4.1	9.1
Angola	22.9	50.5
Benin	20.5	45.1
Botswana	3.9	8.7
Burkina Faso	6.9	15.2
Burundi	2.5	5.5
Cabo Verde	11.9	26.3
Cameroon	20.7	45.7
Central African Republic	7.8	17.3
Chad	7.9	17.5
Comoros	14.6	32.2
Congo (Dem. Rep. of)	5.1	11.2
Congo (Republic of)	26.2	57.7
Côte d'Ivoire	17.9	39.4
Djibouti	3.5	7.8
Equatorial Guinea	16.3	36.0
Eritrea	0.8	1.8
Eswatini	3.4	7.6
Ethiopia	0.5	1.0
Gabon	35.4	78.0
Gambia	27.8	61.2
Ghana	24.7	54.4
Guinea	9.9	21.9
Guinea-Bissau	1.3	3.0
Kenya	4.1	9.0
Lesotho	2.0	4.3
Liberia	6.6	14.6
Libya	17.9	39.4
Madagascar	4.5	10.0
Malawi	8.5	18.7
Mali	7.4	16.4
Mauritania	8.3	18.3
Mauritius	23.3	51.3
Morocco	19.1	42.2
Mozambique	11.2	24.6
Namibia	11.5	25.4
Niger	2.2	4.8
Nigeria	11.0	24.3
Rwanda	6.6	14.6
Saint Helena	74.8	164.9
Sao Tome and Principe	30.0	66.1
Senegal	18.4	40.5
Seychelles	57.7	127.2
Sierra Leone	27.6	60.8
Somalia	2.3	5.1
South Africa	6.6	14.6
South Sudan	3.1	6.8
Tanzania	6.6	14.5
Togo	11.7	25.7
Tunisia	13.2	29.2
Uganda	12.3	27.0
Zambia	11.9	26.3
Zimbabwe	3.2	7.1
Oceania:		
American Samoa	5.6	12.4
Australia	25.8	57.0
Cook Islands	71.6	157.9
Fiji	35.2	77.6
French Polynesia	47.8	105.4
Kiribati	69.2	152.6
Marshall Islands	18.3	40.3
Micronesia	48.2	106.2
Nauru	46.6	102.7
New Caledonia	25.5	56.2
New Zealand	24.6	54.2
Palau	60.1	132.4
Papua New Guinea	16.1	35.6
Samoa	47.6	105.0
Solomon Islands	32.0	70.6
Tonga	22.9	50.6
Tuvalu	44.5	98.1
Vanuatu	30.7	67.6
Wallis & Futuna	70.4	155.1
World	**19.6**	**43.1**

Note: Data are preliminary and refer to per capita consumption of fish, crustaceans and mollusks.

Source: Food and Agriculture Organization of the United Nations (FAO)



The Magnuson-Stevens Fishery Conservation and Management Act

The Magnuson-Stevens Fishery Conservation and Management Act

The Magnuson-Stevens Fishery Conservation and Management Act (Magnuson-Stevens Act), amended on January 12, 2007 by Public Law 109-479, provides for the conservation and management of fishery resources within the U.S. Exclusive Economic Zone (EEZ). It also provides for fishery management authority over continental shelf resources and anadromous species beyond the EEZ, except when they are found within a foreign nation's territorial sea or fishery conservation zone (or equivalent).

The EEZ extends from the seaward boundary of each of the coastal States (generally 3 nautical miles from shore) to 200 nautical miles from shore. The seaward boundaries of Texas, Puerto Rico, and the Gulf coast of Florida are 3 marine leagues (9 nautical miles). The EEZ encompasses approximately 3.36 million square nautical miles.

GOVERNING INTERNATIONAL FISHERY AGREEMENT

Under the Magnuson-Stevens Act, the Secretary of State, in cooperation with the Secretary of Commerce, negotiates Governing International Fishery Agreements (GIFAs) with foreign nations requesting to fish within the EEZ. After a GIFA is signed, it is transmitted by the President to the Congress for ratification.

FOREIGN FISHING PERMITS

Title II of the Magnuson-Stevens Act governs foreign fishing in U.S. waters. As U.S. fishing capacity has grown, foreign participation has diminished in directed fisheries, as well as in foreign joint ventures in which U.S. vessels delivered U.S. harvested fish to permitted foreign vessels in the EEZ. The last directed fishing by foreign vessels occurred in 2001 when a small quantity of Atlantic herring was harvested by foreign vessels. The displacement of directed foreign fishing effort in the EEZ marked the achievement of one of the objectives of the Magnuson-Stevens Act: the development of the U.S. fishing industry to take, what were in 1976, underutilized species.

NMFS continues to maintain certain regulations pertaining to foreign fishing should there be a situation in the future in which allowing limited foreign fishing in an underutilized fishery would be advantageous to the U.S. fishing industry.

FMPS AND PMPS

Under the Magnuson-Stevens Act, eight Regional Fishery Management Councils are charged with preparing Fishery Management Plans (FMPs) for the fisheries needing management within their areas of authority. After the Councils prepare FMPs that cover domestic and foreign fishing efforts, the FMPs are submitted to the Secretary of Commerce (Secretary) for approval and implementation. The Department, through NMFS Office of Law Enforcement and the U.S. Coast Guard, is responsible for enforcing the law and regulations.

The Secretary, when notified by the Secretary of State that any foreign nation has submitted an application under section 204(b) of the MSA, shall prepare a preliminary fishery management plan (PMP) if the Secretary determines that no fishery management plan for that fishery will be prepared and implemented. Under Section 304(c) of the MSA the Secretary may also prepare an FMP if a Council fails to develop one. In this latter case, the Secretary's FMP covers domestic and foreign fishing.

The Secretary shall prepare FMPs for highly migratory species that are within the geographical area of authority of more than one of the following Councils: New England, Mid-Atlantic, South Atlantic, Gulf, and Caribbean. The Atlantic HMS fisheries are managed by the Secretary under the dual authority of the Magnuson-Stevens Act and the Atlantic Tunas Convention Act (ATCA). Atlantic tunas, Atlantic billfish, and North Atlantic swordfish are managed under the authority of both ATCA and the Magnuson-Stevens Act. South Atlantic swordfish are managed under the sole authority of ATCA. Atlantic sharks in the HMS management unit are managed under the authority of the Magnuson-Stevens Act.

Under section 304 of the Magnuson-Stevens Act, all Council-prepared FMPs must be reviewed for approval by the Secretary of Commerce. Approved FMPs are implemented by Federal regulations under section 305 of the Act. As of December 31, 2016, there are 46 FMPs in effect. Of these, one is a Secretarial FMP for Atlantic highly migratory species. The FMPs are listed next, under the responsible Council. FMPs may be amended by the Council and the amendments are submitted for approval under the same Secretarial review process as new FMPs. Most FMPs have been amended since initial implementation.

NEW ENGLAND FISHERY MANAGEMENT COUNCIL

1. Northeast Multispecies FMP
2. Northeast Skate Complex FMP
3. Deep-Sea Red Crab FMP
4. Atlantic Herring FMP
5. Atlantic Sea Scallop FMP
6. Monkfish FMP (joint w/ MAFMC)
7. Atlantic Salmon FMP

MID-ATLANTIC FISHERY MANAGEMENT COUNCIL

1. Spiny Dogfish FMP (joint w/ NEFMC)
2. Summer Flounder, Scup, and Black Sea Bass FMP
3. Atlantic Surfclam and Ocean Quahog FMP
4. Atlantic Mackerel, Squid, and Butterfish FMP
5. Bluefish FMP
6. Tilefish FMP

SOUTH ATLANTIC FISHERY MANAGEMENT COUNCIL

1. Pelagic Sargassum Habitat of the South Atlantic Region FMP
2. Snapper-Grouper Fishery of the South Atlantic Region FMP
3. Dolphin and Wahoo Fishery of the Atlantic FMP
4. Shrimp Fishery of the South Atlantic Region FMP
5. Golden Crab Fishery of the South Atlantic Region FMP
6. Coral, Coral Reefs, and Live/Hard Bottom Habitats of the South Atlantic Region FMP

GULF OF MEXICO FISHERY MANAGEMENT COUNCIL

1. Coastal Migratory Pelagics of the Gulf of Mexico and South Atlantic FMP (joint w/ SAFMC.)
2. Coral and Coral Reefs of the Gulf of Mexico FMP
3. Red Drum Fishery of the Gulf of Mexico FMP
4. Shrimp Fishery of the Gulf of Mexico FMP
5. Spiny Lobster in the Gulf of Mexico and South Atlantic FMP (joint w/ SAFMC)
6. Reef Fish Resources of the Gulf of Mexico FMP
7. Regulating Offshore Marine Aquaculture in the Gulf of Mexico FMP

CARIBBEAN FISHERY MANAGEMENT COUNCIL

1. Spiny Lobster Fishery of Puerto Rico and the U.S. Virgin Islands FMP
2. Corals and Reef-Associated Plants and Invertebrates of Puerto Rico and the United States Virgin Islands FMP
3. Queen Conch Resources of Puerto Rico and the United States Virgin Islands FMP
4. Reef Fish Fishery of Puerto Rico and the U.S. Virgin Islands FMP

PACIFIC FISHERY MANAGEMENT COUNCIL

1. Pacific Coast Groundfish FMP
2. Pacific Coast Salmon FMP
3. Coastal Pelagic Species FMP
4. U.S. West Coast Fisheries for Highly Migratory Species FMP

NORTH PACIFIC FISHERY MANAGEMENT COUNCIL

1. Groundfish of the Bering Sea and Aleutian Islands FMP
2. Groundfish of the Gulf of Alaska FMP
3. Bering Sea and Aleutian Islands King and Tanner Crab FMP
4. Salmon Fisheries in the EEZ off the Coast of Alaska FMP
5. Scallop Fishery off Alaska FMP
6. Fish Resources of the Arctic Management Area FMP

WESTERN PACIFIC FISHERY MANAGEMENT COUNCIL

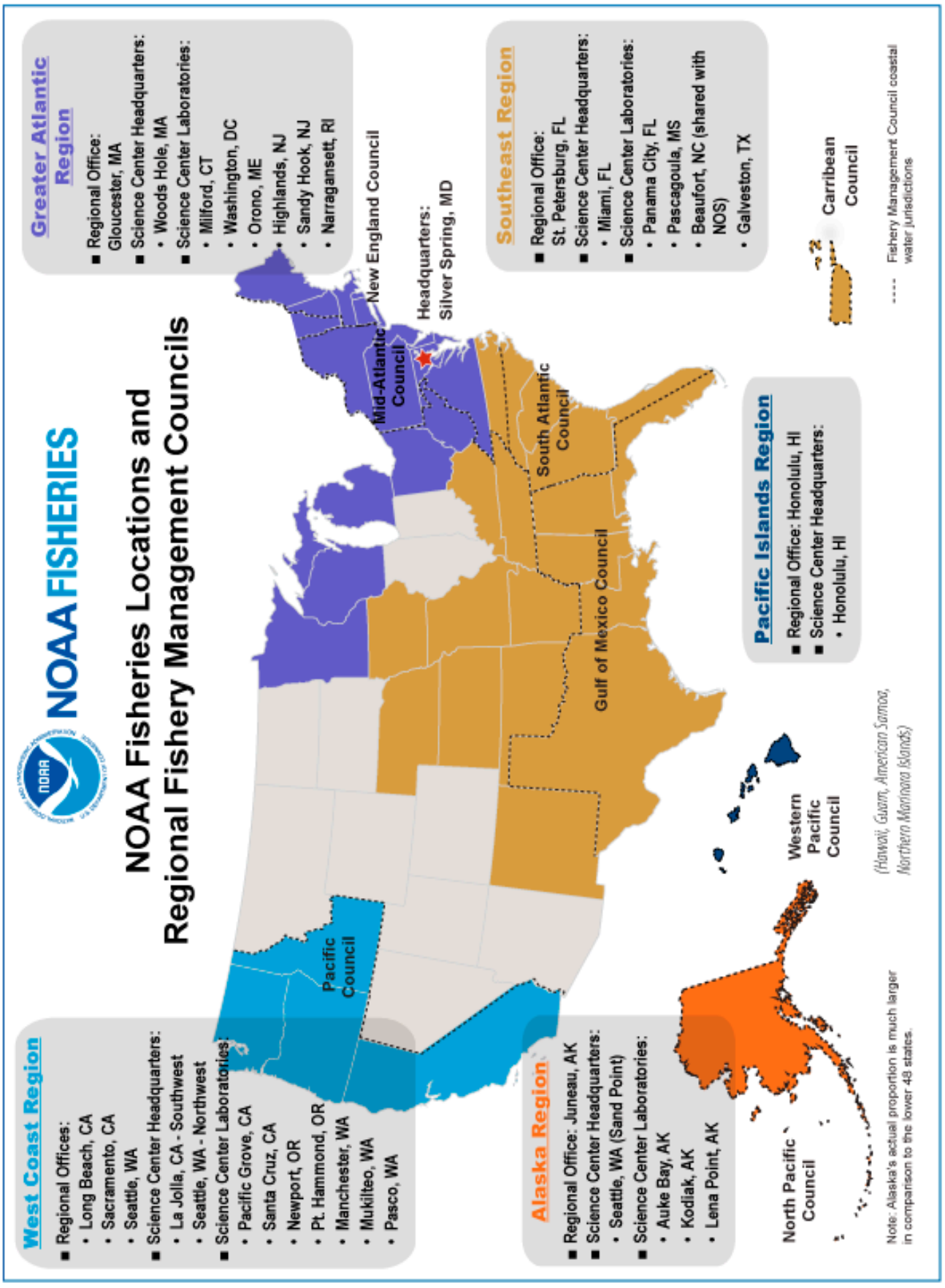
1. American Samoa Archipelago Ecosystem FEP
2. Pacific Pelagic Fisheries of the Western Pacific Region Ecosystem FEP
3. Hawaii Archipelago Ecosystem FEP
4. Mariana Archipelago Ecosystem FEP
5. Pacific Remote Island Areas Ecosystem FEP

HIGHLY MIGRATORY SPECIES PLANS

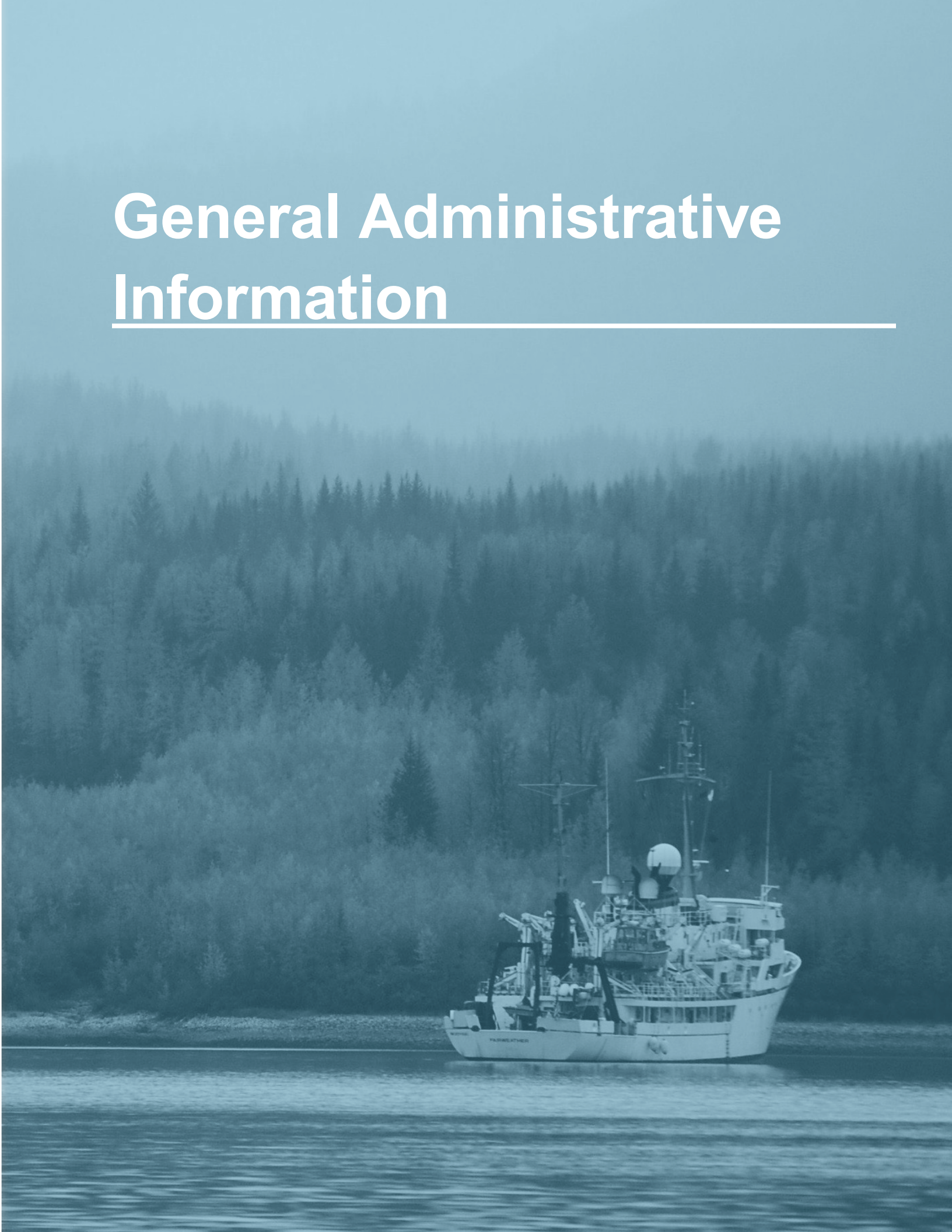
1. Consolidated Atlantic Highly Migratory Species FMP

REGIONAL FISHERY MANAGEMENT COUNCILS

Council	Constituent States	Telephone Number	Executive Directors and Addresses
NEW ENGLAND	(Maine, New Hampshire, Massachusetts, Rhode Island, and Connecticut)	(978) 465-0492 FAX: 978-465-3116	Thomas A. Nies 50 Water St., Mill 2 Newburyport, MA 01950
MID-ATLANTIC	(New York, New Jersey, Delaware, Pennsylvania, Maryland, Virginia, and North Carolina)	302-674-2331 FAX: 302-674-5399 Toll Free: 877-446-2362	Christopher M. Moore 800 North State Street Suite 201 Dover, DE 19901-3910
SOUTH ATLANTIC	(North Carolina, South Carolina, Georgia, and Florida)	843-571-4366 FAX: 843-769-4520 Toll Free: 866-723-6210	Gregg Waugh 4055 Faber Place Dr., Suite 201 N. Charleston, SC 29405
GULF OF MEXICO	(Texas, Louisiana, Mississippi, Alabama, and Florida)	813-348-1630 FAX: 813-348-1711 Toll Free: 888-833-1844	Carrie Simmons 4107 West Spruce Street Suite 200 Tampa, FL 33607
CARIBBEAN	(U.S. Virgin Islands and Commonwealth of Puerto Rico)	787-766-5926 FAX: 787-766-6239	Miguel A. Rolón 270 Muñoz Rivera Ave. Suite 401 San Juan, PR 00918
PACIFIC	(California, Washington, Oregon, and Idaho)	503-820-2280 FAX: 503-820-2299 Toll Free: 866-806-7204	Chuck Tracy 7700 NE Ambassador Place Suite 101 Portland, OR 97220
NORTH PACIFIC	(Alaska, Washington, and Oregon)	907-271-2809 FAX: 907-271-2817	David Witherell 605 West 4th Ave., Suite 306 Anchorage, AK 99501
WESTERN PACIFIC	(Hawaii, American Samoa, Guam, and Commonwealth of the Northern Mariana Islands)	808-522-8220 FAX: 808-522-8226	Kitty M. Simonds 1164 Bishop St. Suite 1400 Honolulu, HI 96813


NOAA FISHERIES
NOAA Fisheries Locations and
Regional Fishery Management Councils
Greater Atlantic Region
Regional Office: Gloucester, MA
Science Center Headquarters:
Woods Hole, MA
Science Center Laboratories:
Milford, CT
Washington, DC
Orono, ME
Highlands, NJ
Sandy Hook, NJ
Narragansett, RI
New England Council
Mid-Atlantic Council
Headquarters: Silver Spring, MD
Southeast Region
Regional Office: St. Petersburg, FL
Science Center Headquarters:
Miami, FL
Science Center Laboratories:
Panama City, FL
Pascagoula, MS
Beaufort, NC (shared with NOS)
Galveston, TX
South Atlantic Council
Gulf of Mexico Council
Caribbean Council
Fishery Management Council coastal water jurisdictions
West Coast Region
Regional Offices:
Long Beach, CA
Sacramento, CA
Seattle, WA
Science Center Headquarters:
La Jolla, CA - Southwest
Seattle, WA - Northwest
Science Center Laboratories:
Pacific Grove, CA
Santa Cruz, CA
Newport, OR
Pt. Hammond, OR
Manchester, WA
Mukilteo, WA
Pasco, WA
Pacific Council
Pacific Islands Region
Regional Office: Honolulu, HI
Science Center Headquarters:
Honolulu, HI
Western Pacific Council
(Hawaii, Guam, American Samoa, Northern Mariana Islands)
Alaska Region
Regional Office: Juneau, AK
Science Center Headquarters:
Seattle, WA (Sand Point)
Science Center Laboratories:
Auke Bay, AK
Kodiak, AK
Lena Point, AK
North Pacific Council
Note: Alaska's actual proportion is much larger in comparison to the lower 48 states.

General Administrative Information



UNITED STATES DEPARTMENT OF COMMERCE

14th and Constitution Ave., NW
Washington, DC 20230

MAIL ROUTING CODE		TELEPHONE NUMBER
SEC	**Secretary of Commerce**	
	Wilbur Ross	202-482-2112
A	**Under Secretary of Commerce for Oceans and Atmosphere**	
	Neil Jacobs, Ph.D. (Acting)	202-482-6236
	NATIONAL MARINE FISHERIES SERVICE	
	1315 East-West Highway Silver Spring Metro Center #3 (SSMC #3) Silver Spring, MD 20910	
F	**Assistant Administrator for Fisheries --**	
	Chris Oliver	301-427-8000
	Deputy Assistant Administrator for Regulatory Programs -- Samuel D. Rauch, III	301-427-8000
	Deputy Assistant Administrator for Operations -- Paul Doremus, Ph.D.	301-427-8000
	Director, Scientific Programs & Chief Science Advisor -- Francisco Werner, Ph.D.	301-427-8000
	Director, Office of Policy -- Jennifer Lukens	301-427-8004
	Senior Advisor for Seafood Strategy Michael Rubino, Ph.D.	301-427-8331
	Director, NOAA Aquaculture Program -- David O' Brien (Acting)	301-427-8325
	Chief Information Officer -- Roy Varghese	301-427-8800
	Director, Office of Communications-- Kate Naughten	301-427-8057
	Equal Employment Opportunity / Diversity Office Natalie Huff	301-427-8025
	Human Capital Management Office -- Char Dae' Love (Acting)	301-427-8742
F/SI	**International Fisheries and Seafood Inspection**	
	Alexa Cole (Acting)	301-427-8350
F/IA1	International Fisheries Affairs Division	301-427-8350
F/IA2	Trade and Stewardship Division	301-427-8350
F/EN	**Office of Law Enforcement --**	
	Jim Landon	301-427-2300
F/EN1	Enforcement Operations Division	301-427-2300
F/HC	**Office of Habitat Conservation --**	
	Pat Montanio	301-427-8600
F/HC1	Chesapeake Bay Program Office	410-267-5660

UNITED STATES DEPARTMENT OF COMMERCE

Silver Spring, MD 20910

MAIL ROUTING CODE		TELEPHONE NUMBER
F/HC2	Habitat Protection Division	301-427-8601
F/HC3	Habitat Restoration Division	301-427-8602
F/MB	**Office of Management and Budget --**	
	Brian Pawlak	301-427-8720
F/MB1	Budget Execution Division	301-427-8721
F/MB3	Strategic Planning and Program Evaluation	301-427-8720
F/MB4	Budget Formulation and Planning Division	301-427-8720
F/MB5	Financial Services Division	301-427-8771
F/MB6	Facilities, Safety, and Logistics Division	301-427-8720
F/MB7	Appeals Division	301-427-8720
F/PR	**Office of Protected Resources --**	
	Donna Wieting	301-427-8400
F/PR1	Permits and Conservation Division	301-427-8401
F/PR2	Marine Mammal and Sea Turtle Conservation Division	301-427-8402
F/PR3	Endangered Species Conservation Division	301-427-8403
F/PR4	Planning and Program Coordination Division	301-427-8404
F/PR5	Endangered Species Act Interagency Cooperation Division	301-427-8405
F/SF	**Office of Sustainable Fisheries --**	
	Alan D. Risenhoover	301-427-8500
F/SF1	Atlantic Highly Migratory Species Division	301-427-8503
F/SF3	Domestic Fisheries Division	301-427-8504
F/SF5	Operations and Regulatory Services Division	301-427-8505
F/SF7	Seafood Inspection Laboratory	228-769-8964
F/ST	**Office of Science and Technology --**	
	David Detlor (Acting Director)	301-427-8100
F/ST1	Fisheries Statistics Division	301-427-8103
F/ST3	Operations, Management, and Information Division	301-427-8100
F/ST4	Assessment and Monitoring Division	301-427-8102
F/ST5	Economics and Social Analysis Division	301-427-8101
F/ST6	Science Information Division	301-427-8101
F/ST7	Marine Ecosystems Division	301-427-8102
LA11	**Office of Legislative and Intergovernmental Affairs - Fisheries --**	
	Wendy Lewis	202-482-4981
PAF	**Office of Public Affairs - Fisheries --**	
	John Ewald	301-427-8003
GCF	**Office of General Counsel - Fisheries and Protected Resources Section**	
	Adam Issenberg	301-713-9670

National Marine Fisheries Service

Regional Facilities

MAIL ROUTING CODE	OFFICE	TELEPHONE AND FAX NUMBER	LOCATION
F/GAR	Greater Atlantic Region 55 Great Republic Dr. Gloucester, MA 01930	978-281-9300 Fax: 978- 281-9207	Gloucester, MA
F/NEC	Northeast Fisheries Science Center 166 Water St. - Rm. 312 Woods Hole, MA 02543	508-495-2000	Woods Hole, MA
	Woods Hole Laboratory 166 Water St. Woods Hole, MA 02543	508-495-2000	Woods Hole, MA
	Narragansett Laboratory 28 Tarzwell Dr. Narragansett, RI 02882	401-782-3200	Narragansett, RI
	Milford Laboratory 212 Rogers Ave. Milford, CT 06460	203-882-6500	Milford, CT
	James J. Howard Marine Science Laboratory 74 Magruder Rd., Sandy Hook Highlands, NJ 07732	732-872-3000	Highlands, NJ
	Orono Maine Field Station 17 Godfey Dr.-Suite 1 Orono, ME 04473	207-866-7322	Orono, ME
F/SER	Southeast Region 263 13th Ave. South St. Petersburg, FL 33701	727-824-5301 Fax: 727-824-5320	St. Petersburg, FL
F/SEC	Southeast Fisheries Science Center 75 Virginia Beach Dr. Miami, FL 33149	305-361-4200 Fax: 305-361-4499	Miami, FL
F/SEC4	Miami Laboratory 75 Virginia Beach Dr. Miami, FL 33149	305-361-4225 Fax: 305-361-4499	Miami, FL
F/SEC5	Mississippi Laboratory 3209 Frederic St., P.O. Drawer 1207 Pascagoula, MS 39567	228-762-4591 Fax: 228-769-9200	Pascagoula, MS
F/SEC6	Panama City Laboratory 3500 Delwood Beach Rd. Panama City, FL 32408	850-234-6541	Panama City, FL
F/SEC7	Galveston Laboratory 4700 Avenue U Galveston, TX 77551	409-766-3500	Galveston, TX
F/SEC9	Beaufort Laboratory 101 Pivers Island Rd. Beaufort, NC 28516	252-728-3595	Beaufort, NC

National Marine Fisheries Service

Regional Facilities

MAIL ROUTING CODE	OFFICE	TELEPHONE AND FAX NUMBER	LOCATION
F/WCR	West Coast Region 1201 Northeast Lloyd Portland, OR 97232	503-230-5400 Fax: 503-231-6893	Seattle, WA
F/NWC	Northwest Fisheries Science Center Montlake Laboratory 2725 Montlake Boulevard, East Seattle, WA 98112	206-860-3200 Fax: 206-860-3217	Seattle, WA
F/SWC	Southwest Fisheries Science Center 8901 La Jolla Shores Dr. La Jolla, CA 92037	858-546-7000 Fax: 858-546-7003	La Jolla, CA
F/SWC3	Fisheries Ecology Division 110 McAllister Way Santa Cruz, CA 95060	831-420-3900 Fax: 831-420-3980	Santa Cruz, CA
F/SWC4	Fisheries Resources Division 8901 La Jolla Shores Dr. La Jolla, CA 92037	858-546-7000 Fax: 858-546-7003	La Jolla, CA
F/AKR	Alaska Region 709 West 9th St., Room 420 P.O. Box 21668 Juneau, AK 99802	907-586-7221 Fax: 907-586-7249	Juneau, AK
F/AKC	Alaska Fisheries Science Center, 7600 Sand Point Way, N.E. Building 4 Seattle, WA 98115	206-526-4000 Fax: 206-526-4004	Seattle, WA
	Kodiak Laboratory 301 Research Court Kodiak, AK 99615	907-481-1800 Fax: 907-481-1830	Kodiak, AK
F/AKC4	Auke Bay Laboratory 17109 Lena Point Loop Rd. Juneau, AK 99801	907-789-6000 Fax: 907-789-6094	Juneau, AK
F/PIR	Pacific Islands Region NOAA Inouye Regional Center NMFS/PIRO 1845 Wasp Blvd., Building 176 Honolulu, HI 96818	808-725-5000 Fax: 808-725-5215	Honolulu, HI
F/PIC	Pacific Islands Fisheries Science Center NOAA Inouye Regional Center NMFS/PIFSC 1845 Wasp Blvd., Building 176 Honolulu, HI 96818	808-725-5360	Honolulu, HI

NATIONAL MARINE FISHERIES SERVICE

NATIONAL FISHERY STATISTICS OFFICES

CITY	TELEPHONE NUMBER	NAME AND ADDRESS
NEW ENGLAND:		
Portland	207-780-3322 FAX: 207-780-3340	Pamela Thames 312 Fore Street, Suite 102, Portland, ME 04101
Gloucester (1)	**978-281-9304** **FAX: (978) 675-2137**	**Gregory R. Power, Fishery Information Section** **55 Great Republic Dr., Gloucester, MA 01930-2276**
New Bedford	508-717-0210 FAX: 508-717-0301	William Duffy, 37 North Second Street, Suite 103 New Bedford, MA 02740-6329
Point Judith	401-783-7797 FAX: 401-782-2113	Walter Anoushian, 83 State St., 2nd Floor, P.O. Box 3356, Narragansett, RI 02882-0547
MIDDLE ATLANTIC AND CHESAPEAKE:		
E. Hampton, NY	631-324-3569 FAX: 631-324-3314	Victor Vecchio, 62 Newtown Ln #203 East Hampton, NY 11937
Patchogue	631-475-6988 FAX: 631-289-8361	David McKernan Social Security Bldg., 50 Maple Ave, Patchogue, NY 11772
Forked River	978-609-7980	Joanne Pellegrino Forked River, NJ 08731
Northfield, NJ	609-646-7543 FAX: 609-646-7574	Josh O'Connor, 1750 Zion Road, Suite 101 Northfield, NJ 08225
Hampton	757-723-3369 FAX: 757-728-3947	Steve Ellis, 1026F Settlers Landing Rd. P.O. Box 69172, Hampton, VA 23669-5103
SOUTH ATLANTIC AND GULF:		
Miami (1)	305-361-4257 FAX: 305-361-4460	David Gloeckner, 75 Virginia Beach Drive, Miami, FL 33149
Manteo	252-473-5734 x 233	David Hoke, 1021 Driftwood Dr., Manteo, NC 27954 P.O. Box 1965, Manteo , NC 27954
Wilmington	910-622-2282 (mobile) FAX:910-251-4028	Scott Van Sant, 69 Darlington Ave. Wilmington, NC 28403
South Daytona, FL	386-310-7954 FAX: SAME	Vacant,1635 South Ridgewood Avenue South Daytona, FL 32119-8425
Tequesta	561-575-4461	Michelle Gamby-Scott Tequesta, FL 33469
Miami (1)	305-361-4290 x 290 FAX: 305-361-4562 305-361-4565 x 565 FAX: 305-361-4460	Larry Beerkircher, 75 Virginia Beach Dr., Room 201 Miami, FL 33149 Pam Brown-Eyo, 75 Virginia Beach Dr., Bldg. 2 Miami, FL 33149-1003
Key West	305-294-1921	Eddie Pulido, 301 Simonton St., Rm. 208 Key West, FL 33040
SOUTH ATLANTIC AND GULF:		
St. Petersburg	727-551-5793 (Roman) 727-551-5792 (Hourihan) FAX: 727-824-5349	Renee Roman/ Michael Hourihan, 263 13th Avenue, South, St. Petersburg, FL 33701
Panama City	850-234-6541 x 238 850-234-6541 x 224 FAX: 850-234-3559	John Brusher / Albert Corey Gabel, 3500 Delwood Beach Rd., Panama City, FL 32401
Pascagoula	228-549-1611 FAX: 228-769-9200	Charles Armstrong, 3209 Frederic St., Pascagoula, MS 39567 (For Mobile, AL contact Charles Armstrong)
New Orleans	985-791-8200 (Jensen)	Jill Jensen, 401 Whitney Avenue, Gretna, LA 70056
Houma	985-872-3321 FAX: 985-872-3321	Al LeFort, 425 Lafayette St., Rm. 128, Houma, LA 70360 (For Golden Meadow contact Al LeFort)

NATIONAL MARINE FISHERIES SERVICE

NATIONAL FISHERY STATISTICS OFFICES

CITY	TELEPHONE NUMBER	NAME AND ADDRESS
Lafayette	337-291-2117 FAX: 337-291-2118	Beth Bourgeois, 646 Cajundome Blvd., Room 220, Lafayette, LA 70506
Galveston	409-766-3515 FAX: 409-766-3543	Keith Roberts, 4700 Avenue U, Bldg. 302, Room 217, Galveston, TX 77551
Freeport	979-864-3698	Michelle Padgett, 4005 Technology Drive, Ste. 1034 Angleton, TX 77515
Brownsville/ Port Isabel	956-982-6917 FAX: 956-982-6921	James Patterson, 2401 Village Dr., Brownsville, TX 78521
WEST COAST:		
Seattle (1)	206-526-4357 FAX: 206-526-4461	Melissa Hooper, Bldg. 1, 7600 Sand Point Way, NE, Seattle, WA 98115-6349
ALASKA :		
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Fisheries Information System

OVERVIEW

In an era of increasing pressures on our oceans, the need for data that supports sound science and effective stewardship of our living marine resources has never been greater. The mission of the Fisheries Information System (FIS) Program is to meet this need by working across the fisheries-dependent data community to facilitate access to comprehensive, high-quality, and timely information on the Nation's fisheries.

The FIS Program is a regionally driven collaboration among state and territorial marine fisheries agencies; Fisheries Information Networks; and NOAA Fisheries Headquarters, Regional Offices, and Science Centers. FIS partners work together to prioritize data improvement needs, identify potential solutions, and fund the testing, verification, and implementation of a wide array of projects and initiatives.

From 2013 through 2017, FIS has provided $13.5 million in funding to its partners. Since 2015, FIS funds have been supplemented by contributions from the National Observer Program and the National Catch-Shares Program. These funds are distributed through a competitive process to state and regional teams that work to identify and promote best practices and innovative approaches for managing each step in the data lifecycle. These steps include evaluating and improving how data are collected at its source; ensuring QA/QC throughout information aggregation and analysis; enhancing the way information is managed and shared; and maximizing the value of information for marine stewardship through broader, more efficient, and more accessible dissemination.

In addition to funding pilot studies, FIS convenes and supports Professional Specialty Groups (PSGs) that consist of experts from multiple disciplines and agencies, including NOAA Fisheries Headquarters, Regional Offices, Science Centers, FINs, and state partners. The role of the PSGs is to provide technical expertise about high-priority issues and identify pressing needs and emerging opportunities. Currently, there are three FIS PSGs that focus on Electronic Reporting, Quality Management, and Data Access and Dissemination.

PROJECT HIGHLIGHT

The Deepwater Horizon (DWH) Restoration Program, under the Office of Habitat's Restoration Center, is one of the agencies charged with managing the $8.1 billion Natural Resources Damage settlement fund to restore the ecological impacts of the disaster. When the DWH team decided to develop a program-level strategic plan, it turned to the Fisheries Information System Program's Quality Management and Continuous Improvement Professional Specialty Group (QM/CI PSG).

"As we move more deeply into development, implementation, and evaluation of restoration activities, we continue to work with a wide variety of NOAA offices contributing to DWH spill restoration," said NOAA DWH Restoration Program Manager Rachel Sweeney. "For the critical task of strategic planning, we wanted to engage with a group that is familiar with the agency mission and has a track record of success. That's why we were excited to learn about the Quality Management and Continuous Improvement PSG."

"The purpose of our group is to provide trainings and workshops to teams involved in meeting fisheries data challenges, and we can expand that skill set into other complex areas," said Glenn Campbell, computer specialist at the Alaska Fisheries Science Center and chair of the QM/CI PSG. "Hoshin Kanri strategic planning is among the many quality management tools that we can help integrate into program operations across NOAA Fisheries."

To launch its longterm strategic planning process, a core group of the DWH Restoration Program team participated in an intensive three-day workshop hosted by the QM/CI PSG. By the workshop's conclusion, the team had developed a series of actionable tactics and initiatives to advance the Program's vision of a sustainable, healthy, and restored Gulf of Mexico ecosystem where abundant resources contribute to vibrant and resilient communities.

Sweeney emphasized that the process provided more than a road map toward full restoration. It also helped reinforce the program's core values, such as innovation, stewardship, and collaboration across NOAA to bring the agency's immense expertise and experience to bear on the challenge of Gulf restoration.

"A big part of this is successfully explaining to the public and stakeholders — in a meaningful and transparent way — what our work is all about," Sweeney said. "It's about much more than money spent or initiatives completed. It's about helping turtles and marine mammals recover; it's about recovering fisheries impacted by the spill; it's about restoring important coastal and deep sea habitats for the support they provide to a wide variety of NMFS-managed resources; all in the context of furthering recovery of the Gulf of Mexico and its communities."

SEA GRANT EXTENSION PROGRAM

The Office of Sea Grant is a major program element of the National Oceanic and Atmospheric Administration. The National Sea Grant College Program is funded jointly by the Federal Government and colleges or universities. Sea Grant's Extension Service offers a broad range of information about the Nation's fisheries to recreational and commercial fishermen, fish processors, and other stakeholders. The following program leaders, listed alphabetically by state, can provide information on Sea Grant activities:

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Federal Inspection Marks for Fishery Products

SEAFOOD INSPECTION PROGRAM. NOAA oversees fisheries management in the United States. Under authority of the 1946 Agricultural Marketing Act, the NOAA Seafood Inspection Program provides inspection services for fish, shellfish, and fishery products to the industry. The NOAA Seafood Inspection Program is often referred to as the U.S. Department of Commerce (USDC) Seafood Inspection Program and uses marks and documents bearing the USDC moniker. The NOAA Seafood Inspection Program offers a variety of services which assure compliance with all applicable food regulations. The Program offers sanitation inspection as well as system and process auditing in facilities, on vessels, or other processing establishments in order to be designated as official establishments. Product quality evaluation, grading and certification services are available on a product lot basis. Certain products may be eligible to bear official marks, such as the U.S. Grade A, Processed Under Federal Inspection (PUFI) and Lot Inspection. All edible product forms ranging from whole fish to formulated products, as well as fish meal products used for animal foods, are eligible for inspection and certification. The U.S. Department of Agriculture recommends that USDC inspected fishery products be purchased for its food feeding programs. The **USDC APPROVED ESTABLISHMENTS** provides a listing of products and participants who contract with USDC.

USERS OF INSPECTION SERVICES. The users of the voluntary seafood inspection service include vessel owners, processors, distributors, brokers, retailers, food service operators, exporters, importers, and those who have a financial interest in buying and selling seafood products. These services can be provided nationwide, in U.S. territories, and in foreign countries. The program is a competent authority within the U.S. Government for issuance of health certificates for export of fish and fishery products to foreign countries. The official government forms and certificates issued by USDC inspectors are legal documents recognized in any U.S. court.

USDC INSPECTION MARKS. These marks designate the level and the type of inspection performed by the federal inspector. The marks can be used in advertising and labeling under the guidelines provided by the Seafood Inspection Program and in accordance with federal and state regulations regarding advertising and labeling. Products bearing the USDC official marks have been certified as being safe, wholesome, and properly labeled.

US GRADE A MARK. The U.S. GRADE A mark signifies that a product has been processed under federal inspection in a sanitarily approved facility and meets the established level of quality of an existing U.S. grade standard. The U.S. Grade A mark indicates that the product is of high quality, uniform in size, practically free from blemishes and defects, in excellent condition and possessing good flavor and odor.

PROCESSED UNDER FEDERAL INSPECTION MARK. The PUFI mark or statement signifies that the product is certified to be safe, wholesome and properly labeled, conforms to quality and other criteria in the approved specification, and has been officially inspected in a participating establishment under Federal inspection.

LOT INSPECTED MARK. The USDC Lot Inspected mark identifies products that were officially sampled and inspected to conform to an approved specification or criteria. This mark may be used on retail packages and packaging provided the label and specification are approved.

RETAIL MARK. Participants qualify to utilize the Retail Mark by contracting for sanitation services and associated product evaluation. Use of the retail mark gives retail firms the opportunity to advertise on banners, logos, and/or menus that their facility is recognized by the USDC for proper sanitation and handling of fishery products.

USDC HACCP MARK. The USDC HACCP-based service is available to all interested parties on a fee-for-service basis. Label approval, record keeping and analytical testing are program requirements. An industry USDC-certified employee trained in HACCP principles is also required for each facility/site in the program. Compliance ratings determine frequency of official visits. Benefits to participants include increased controls through a more scientific approach, use of established marks, increased efficiency of federal inspection personnel, and enhanced consumer confidence. The USDC has made available a HACCP mark and a "banner" to distinguish products that have been produced under the HACCP-based program. The HACCP mark may be used alone or in conjunction with existing grade marks to distinguish that the product was produced under the HACCP Quality Management Program. Participants receive the marketing benefits of using the HACCP mark on brochures, banners, and company labels.

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