Fisheries of the United States

2019

Current Fishery Statistics No. 2019

National Marine Fisheries Service
Office of Science and Technology

Fisheries Statistics Division
Richard Cody, Division Chief

Michael Liddel & Melissa Yencho, Editors

Silver Spring, MD
May 2021

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 2019 report shows the number of stocks listed as subject to overfishing reached an all-time low. https://www.fisheries.noaa.gov/national/sustainable-fisheries/status-stocks-2019

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/sustainable-fisheries/fisheries-united-states

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

Suggested Citation:
National Marine Fisheries Service (2021) Fisheries of the United States, 2019. U.S. Department of Commerce, NOAA Current Fishery Statistics No. 2019 Available at: https://www.fisheries.noaa.gov/national/sustainable-fisheries/fisheries-united-states

A copy of this report is available from:
Fisheries Statistics Division, (F/ST1)
National Marine Fisheries Service, NOAA
1315 East-West Highway - Rm. 12441
Silver Spring, MD 20910-3282
PHONE: 301-427-8103 / FAX: 301-713-4137

Or online at: https://www.fisheries.noaa.gov/national/sustainable-fisheries/fisheries-united-states

Members of the NOAA Fisheries staff in or affiliated with Silver Spring who contributed to this publication were: David Bard, Richard Cody, Lauren Dolinger Few, Jacqui Fenner, Catherine Krikstan, Michael Lewis, Michael Liddel, Alan Lowther, Kelly Mayo, Clete Otoshi, Katherine Papacostas, Jeff Pulver, John Thibodeau, and Melissa Yencho.

FISHERIES OF THE UNITED STATES, 2019

This publication is the annual National Marine Fisheries Service (NMFS) yearbook of fishery statistics for the United States for 2019. 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:

Fisheries Statistics Division, (F/ST1)
National Marine Fisheries Service, NOAA
1315 East-West Highway - Rm. 12441
Silver Spring, MD 20910-3282
PHONE: 301-427-8103 / FAX: 301-713-4137
HOMEPAGE: https://www.fisheries.noaa.gov/about/office-science-and-technology

Table of Contents

Review

U.S. COMMERCIAL LANDINGS

Commercial landings (edible and industrial) by U.S. fishermen at ports in the 50 states were 9.3 billion pounds or 4.2 million metric tons valued at $5.5 billion in 2019—a decrease of 76.7 million pounds (down by 0.8%) and a decrease of $113 million (down 2.0%) compared with 2018. Finfish accounted for 89 percent of the total landings, but only 45 percent of the value. The 2019 average ex-vessel price paid to fishermen was 59 cents per pound, the same as in 2018.

Landings 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 1.5 million metric tons in 2019 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 477 million pounds (216,357 metric tons) valued at $264.6 million. This was an increase of 8 percent, or 36 million pounds (16,280 metric tons) in quantity and a decrease of $43.7 million (14%) in value compared with 2018. Most of these landings consisted of tuna landed in American Samoa and other ports in the western Pacific by US-flagged vessels. 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 2019—an increase of 42 million pounds (19 thousand metric tons) compared with 2018.

Landings for reduction and other industrial purposes were 1.8 billion pounds (801 thousand metric tons) in 2019—a decrease of 119 million pounds (49 thousand metric tons) compared with 2018.

AQUACULTURE

In 2018, estimated freshwater plus marine U.S. aquaculture production was 680 million pounds with a value of $1.5 billion, an increase of 49.1 million pounds (7.8%) in volume and an increase of $27.6 million (1.8%) in value from 2017. Atlantic salmon was the leading species for marine finfish aquaculture, with an estimated 36.4 million pounds produced, valued at $66.5 million. Oysters have the highest volume for marine shellfish production (44.7 million pounds, up 2.7 million pounds from the previous year).

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 114.5 million metric tons. The top five producing countries are in Asia: China, with 57.8 percent of the global total; Indonesia, 12.9 percent; India, 6.2 percent; Viet Nam, 3.6 percent; and Bangladesh, 2.1 percent. The United States ranks seventeenth in production.

U.S. MARINE RECREATIONAL CATCH

The 2019 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 950 million fish taken on an estimated 187 million fishing trips (Alaska trip data not available for 2019). The harvest (fish kept or released dead) was estimated at 341 million fish weighing 350 million pounds.

WORLD LANDINGS

In 2018, the most recent year for which global data are available, world commercial fishery landings and aquaculture production were 178 million metric tons—an increase of 5.9 million metric tons compared with 2017. Aquaculture production increased by 2.6 million metric tons while fishery landings increased by 3.3 million metric tons.

China was the leading nation in both fishery landings and aquaculture production, accounting for 35 percent of the total harvest. Indonesia is the second leading producer with 7.1 percent. India was third with 6.9 percent. Vietnam was fourth with 4.2 percent. The United States was seventh with 2.9 percent.

PROCESSED PRODUCTS

The estimated value of the 2019 domestic production of edible and nonedible processed fishery products was $11.9 billion, up 220.6 million (1.9%) from 2018. The value of edible products was $11.2 billion—up 421.5 million (3.9%) compared with 2018. The value of industrial products was $799 million in 2019—down 201 million (20%) from 2018.

FOREIGN TRADE

The total import value of edible and nonedible fishery products was $39.7 billion in 2019—a decrease of $575.8 million (1.4%) compared with 2018. Imports of edible fishery products (product weight) were 6.0 billion pounds valued at $22.2 billion in 2019. Volume decreased 81.4 million pounds (1.3%) and value decreased by $286.1 million (1.3%) compared with 2018. Imports of nonedible (i.e., industrial) products were $17.6 billion—a decrease of $197.2 million (1.6%) compared with 2018.

Total export value of edible and nonedible fishery products was $27.1 billion in 2019—a decrease of $1.6 billion (5.6%) compared with 2018. United States firms exported 2.8 billion pounds of edible products valued at $5.2 billion—volume and value decreased by 161.8 million pounds (5.5%) and $376.8 million (6.7%) compared with 2018. Exports of nonedible products were valued at $21.9 billion, which is $1.2 billion (5.3%) less than 2018.

SUPPLY

The U.S. supply of edible fishery products (domestic landings plus imports, round weight equivalent, minus exports) was 13.0 billion pounds in 2019—down 853 thousand pounds compared to 2018. The supply of industrial fishery products was 303.5 million pounds in 2019—a decrease of 527.4 million pounds compared with 2018.

PER CAPITA CONSUMPTION

Estimated U.S. per capita consumption of fish and shellfish was 19.2 pounds (edible meat) in 2019. This total was an increase of 0.2 pounds from the 19.0 pounds consumed in 2018. These figures are based on updated calculation methods explained further in the Per Capita Consumption section.

U.S. Commercial Fisheries and the Seafood Industry
Landings and Values, 2019

National Totals

9.3 billion pounds
-1% from 2018

$5.5 billion
-2.0% from 2018

Highest Value Species Groups*

SALMON
$707 million

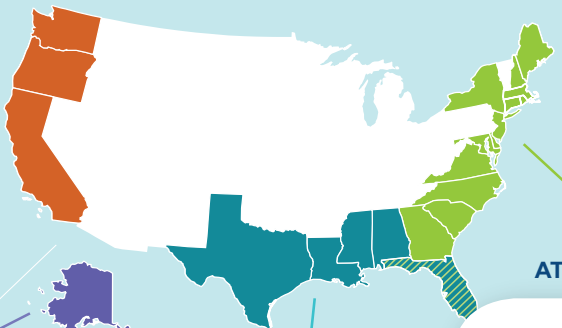
LOBSTER
$668 million

CRABS
$636 million

SCALLOPS
$572 million

SHRIMP
$467 million

Regional Totals**



PACIFIC
11% of landings
12% of value

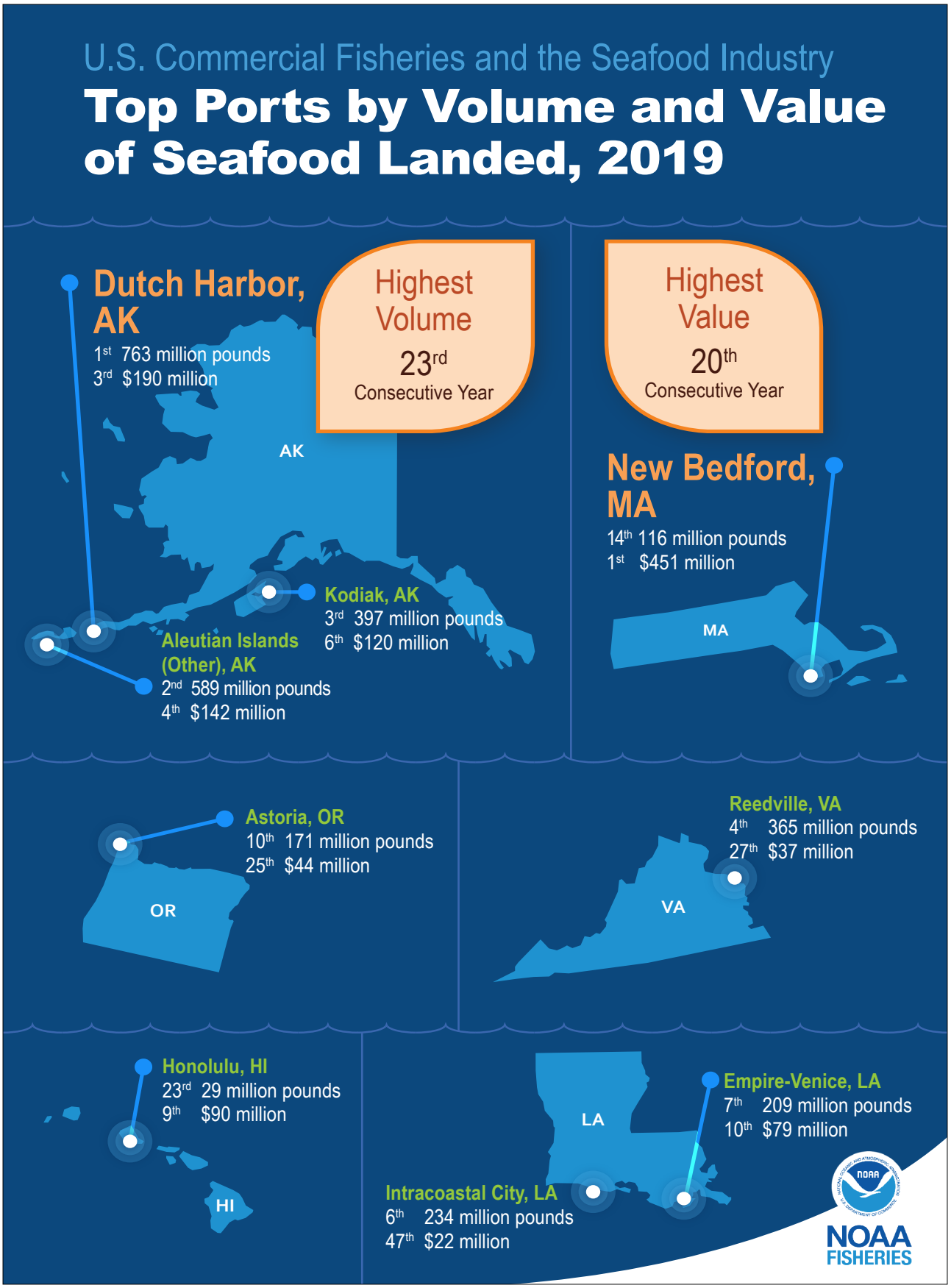
ATLANTIC
13% of landings
39% of value

ALASKA
60% of landings
32% of value

GULF OF MEXICO
15% of landings
15% 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

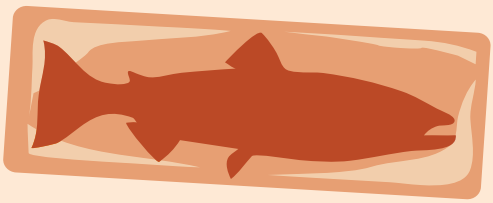

U.S. Commercial Fisheries and the Seafood Industry
Top Ports by Volume and Value of Seafood Landed, 2019
Dutch Harbor, AK
1st 763 million pounds
3rd $190 million
Highest Volume
23rd Consecutive Year
Highest Value
20th Consecutive Year
AK
Kodiak, AK
3rd 397 million pounds
6th $120 million
Aleutian Islands (Other), AK
2nd 589 million pounds
4th $142 million
New Bedford, MA
14th 116 million pounds
1st $451 million
MA
Astoria, OR
10th 171 million pounds
25th $44 million
OR
Reedville, VA
4th 365 million pounds
27th $37 million
VA
Honolulu, HI
23rd 29 million pounds
9th $90 million
HI
LA
Empire-Venice, LA
7th 209 million pounds
10th $79 million
Intracoastal City, LA
6th 234 million pounds
47th $22 million
NOAA FISHERIES

U.S. Commercial Fisheries and the Seafood Industry

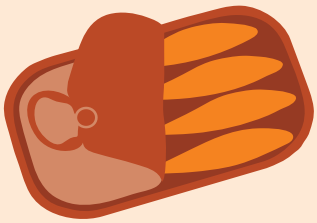
How Our Catch is Used, 2019

Human Food

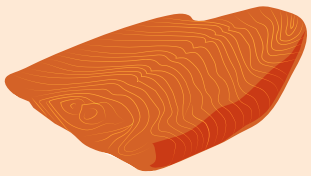
78%
Fresh/Frozen



<2%
Canned



<2%
Cured

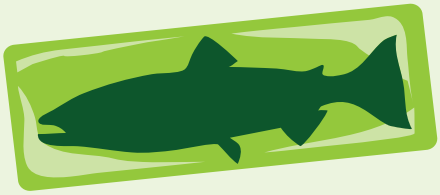


Other Uses

17%
Fish Meal and Oil*

* Predominantly added to animal feed

2%
Fresh/Frozen Bait and Animal Food



<1%
Canned Animal Food

NOAA FISHERIES

Aquaculture Production **Highlights, 2018***

Marine and Freshwater National Totals

VALUE

21% of U.S. seafood production & fishery products by value

$1.5 billion**
+1.8% from 2017

MARINE	FRESHWATER
$430 million	$719 million

PRODUCTION

17th in global aquaculture production

680 million pounds
+7.8% from 2017

MARINE	FRESHWATER
97 million pounds	583 million pounds

Marine Species Totals

OYSTERS
$219 million
45 million pounds

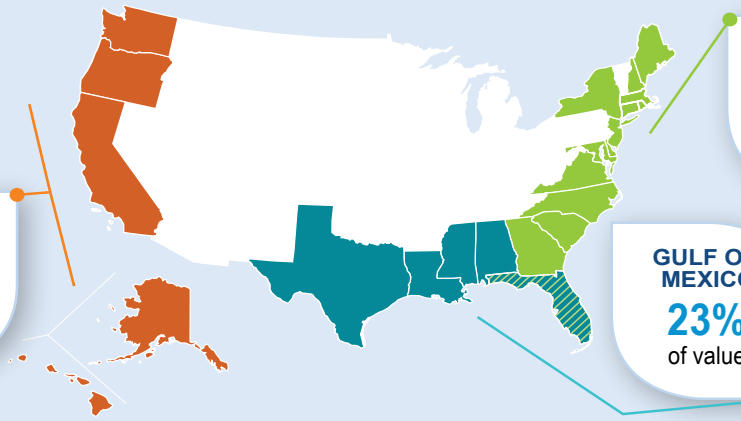
CLAMS
$122 million
11 million pounds

SALMON***
$66 million
36 million pounds

MUSSELS
$9 million
0.9 million pounds

SHRIMP
$13 million
4 million pounds

Regional Marine Totals



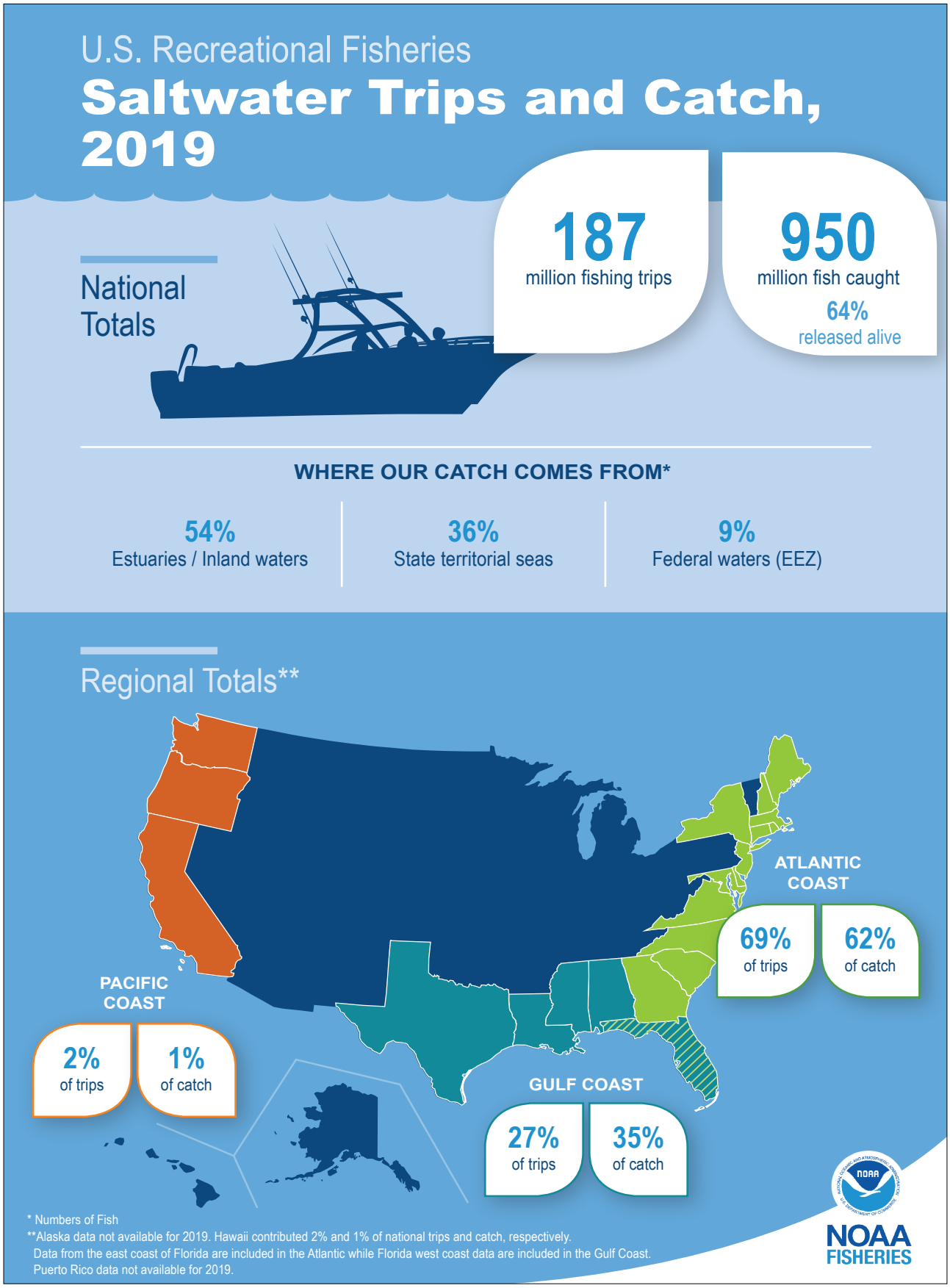
ATLANTIC
41%
of value

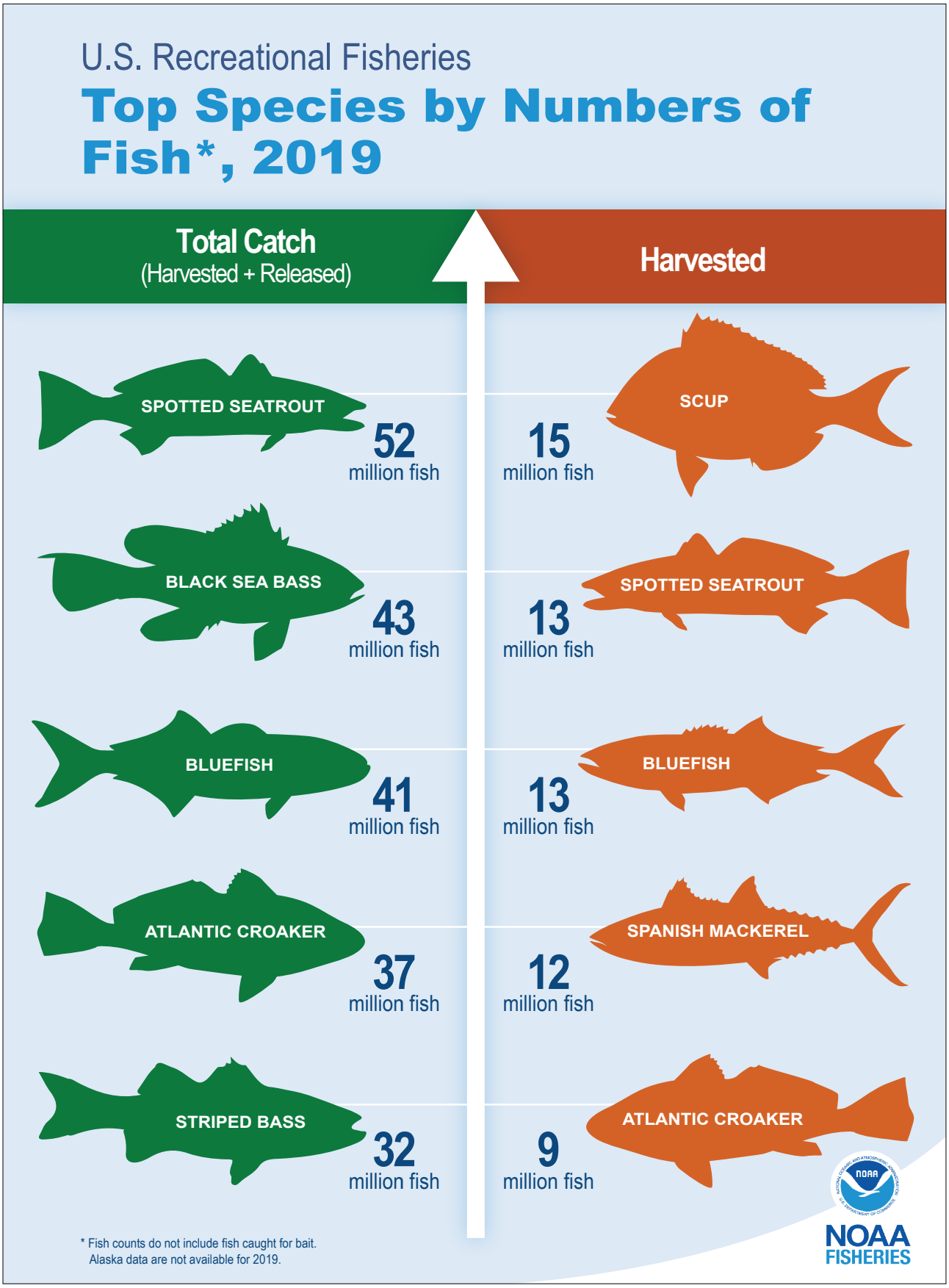
PACIFIC****
36%
of value

GULF OF MEXICO
23%
of value

* Data are from state agencies, industry groups, and the United States Department of Agriculture (USDA). Global data are from the FAO.
** Figure includes value of misc. aquaculture items (e.g. ornamental fish, algae, etc.). Marine and freshwater values will not add to $1.5 billion.
*** Estimated
**** Alaska and Hawaii are included in the Pacific region for aquaculture production.

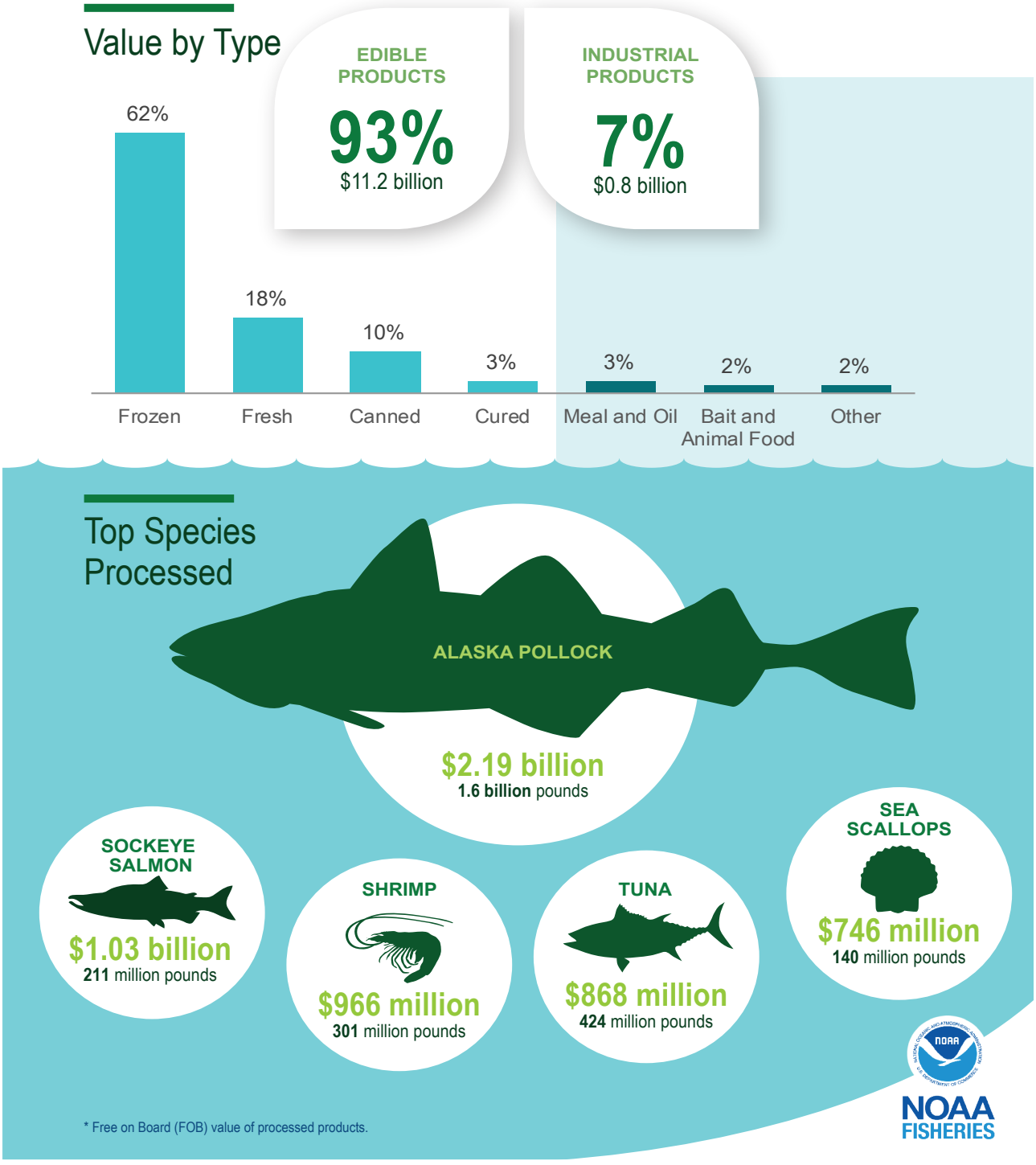
NOAA FISHERIES

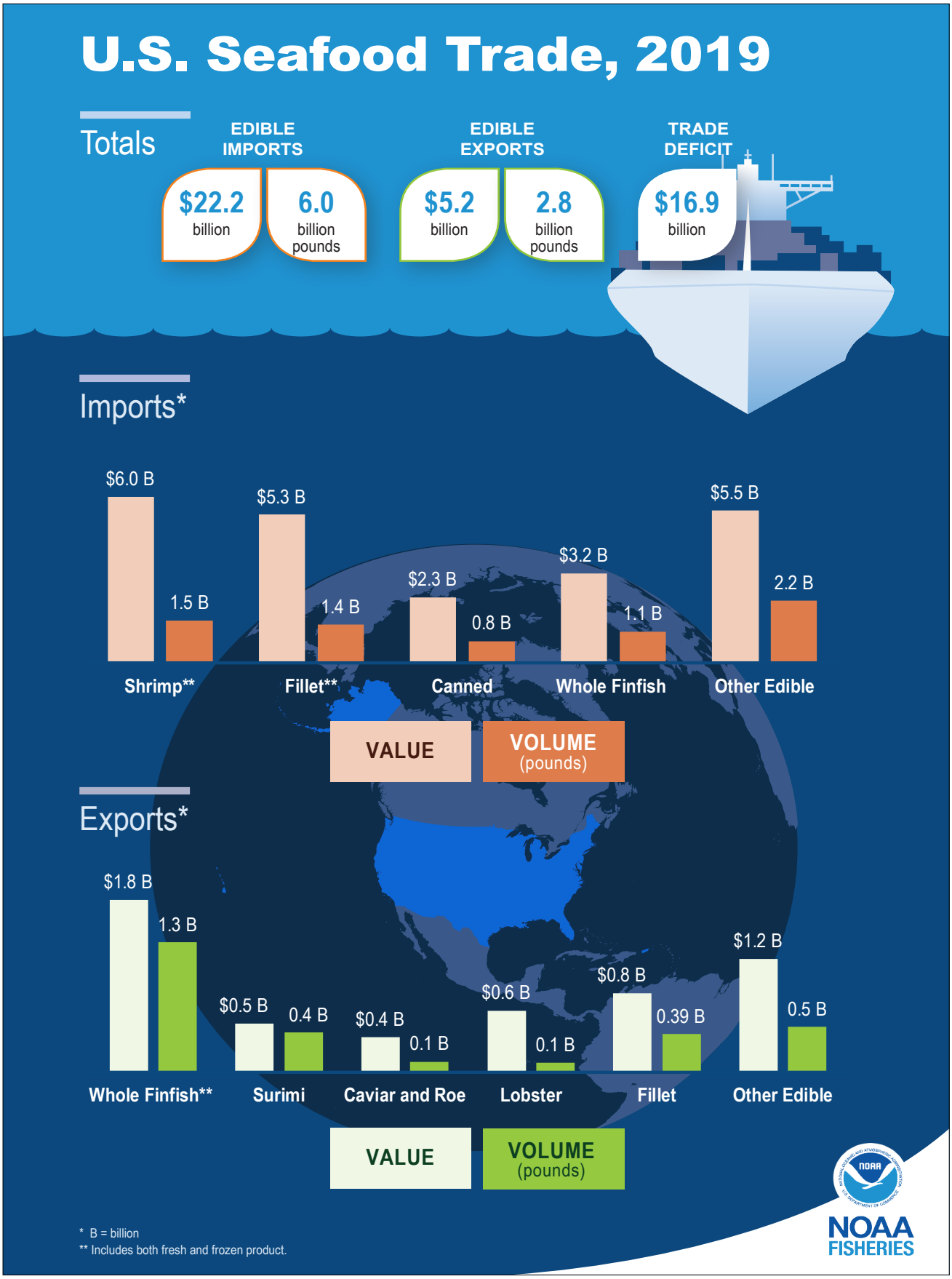

U.S. Recreational Fisheries
Saltwater Trips and Catch, 2019
National Totals
187
million fishing trips
950
million fish caught
64%
released alive
WHERE OUR CATCH COMES FROM*
54%
Estuaries / Inland waters
36%
State territorial seas
9%
Federal waters (EEZ)
Regional Totals**
ATLANTIC COAST
69%
of trips
62%
of catch
PACIFIC COAST
2%
of trips
1%
of catch
GULF COAST
27%
of trips
35%
of catch
* Numbers of Fish
**Alaska data not available for 2019. Hawaii contributed 2% and 1% of national trips and catch, respectively.
Data from the east coast of Florida are included in the Atlantic while Florida west coast data are included in the Gulf Coast.
Puerto Rico data not available for 2019.
NOAA FISHERIES


U.S. Recreational Fisheries
Top Species by Numbers of Fish*, 2019
Total Catch
(Harvested + Released)
Harvested
SPOTTED SEATROUT
52 million fish
SCUP
15 million fish
BLACK SEA BASS
43 million fish
SPOTTED SEATROUT
13 million fish
BLUEFISH
41 million fish
BLUEFISH
13 million fish
ATLANTIC CROAKER
37 million fish
SPANISH MACKEREL
12 million fish
STRIPED BASS
32 million fish
ATLANTIC CROAKER
9 million fish
* Fish counts do not include fish caught for bait.
Alaska data are not available for 2019.
NOAA FISHERIES

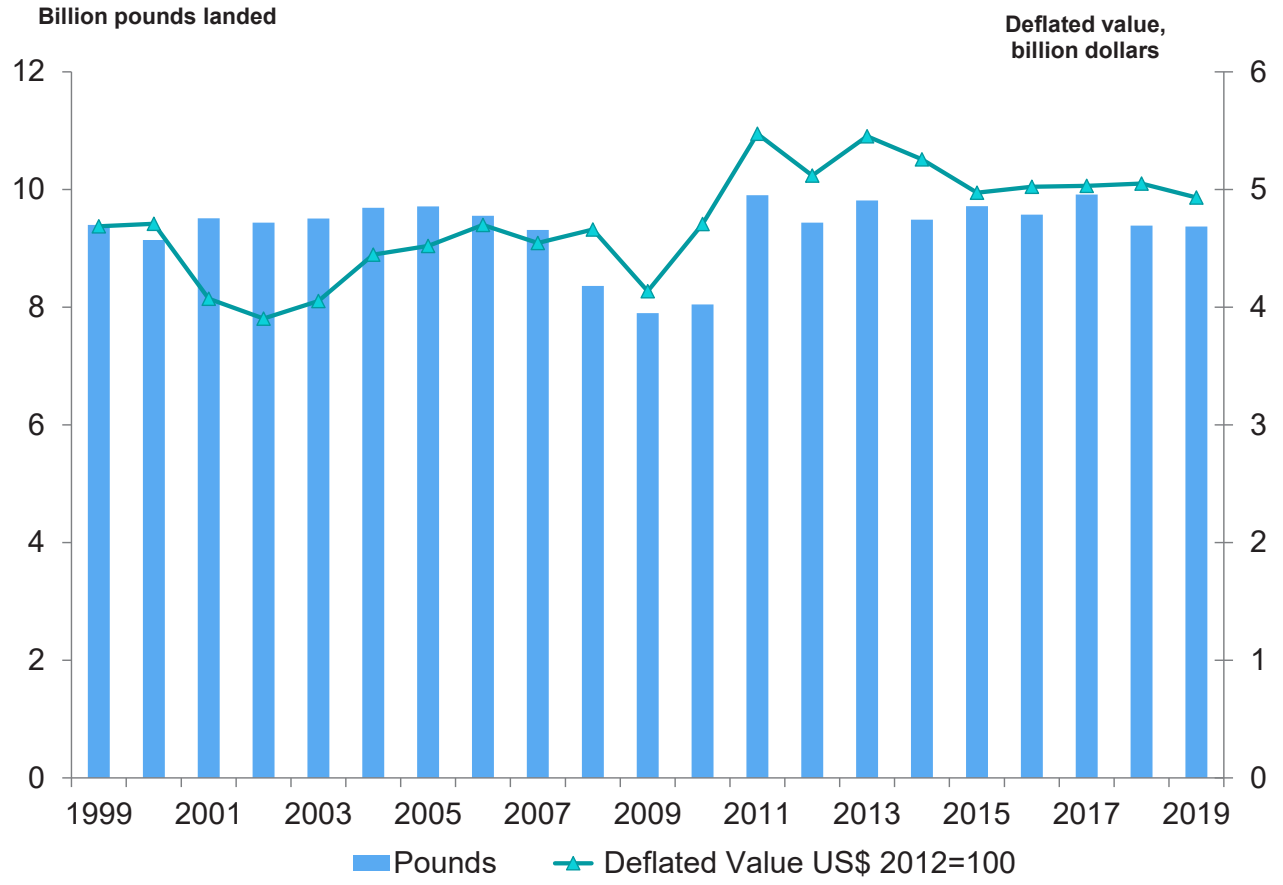
Value of Processed Fisheries Products, 2019*

(Processed from domestic catch and imported products)

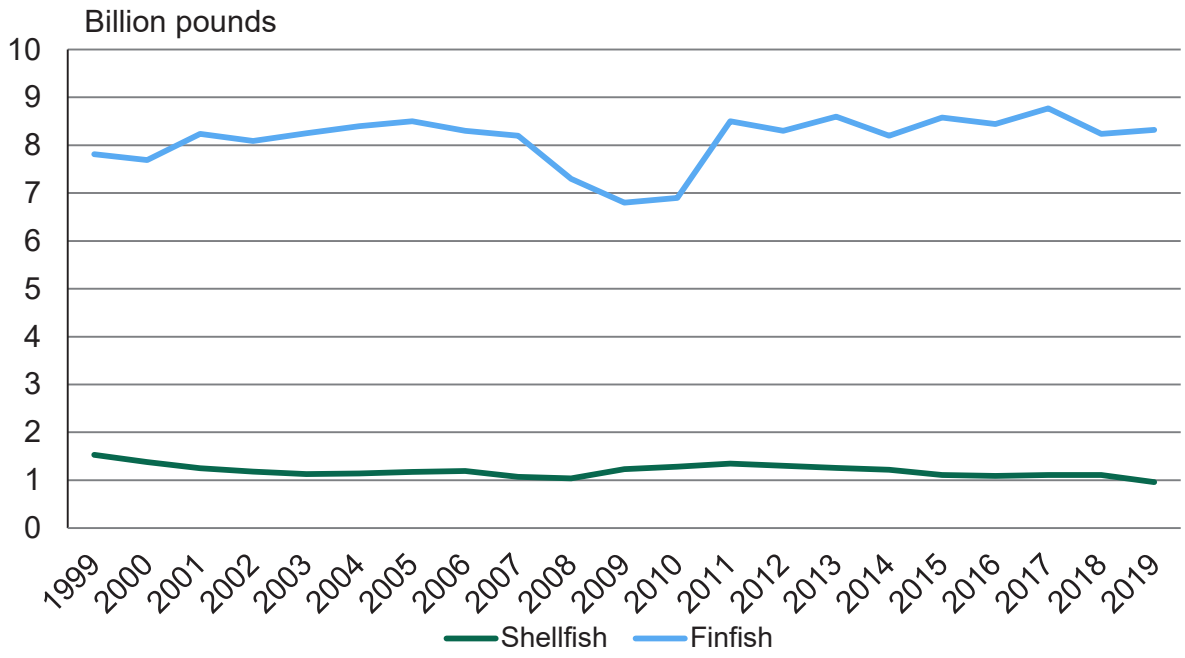



U.S. Seafood Trade, 2019
Totals
EDIBLE IMPORTS
$22.2 billion
6.0 billion pounds
EDIBLE EXPORTS
$5.2 billion
2.8 billion pounds
TRADE DEFICIT
$16.9 billion
Imports*
$6.0 B
1.5 B
$5.3 B
1.4 B
$2.3 B
0.8 B
$3.2 B
1.1 B
$5.5 B
2.2 B
Shrimp**
Fillet**
Canned
Whole Finfish
Other Edible
VALUE
VOLUME (pounds)
Exports*
$1.8 B
1.3 B
$0.5 B
0.4 B
$0.4 B
0.1 B
$0.6 B
0.1 B
$0.8 B
0.39 B
$1.2 B
0.5 B
Whole Finfish**
Surimi
Caviar and Roe
Lobster
Fillet
Other Edible
VALUE
VOLUME (pounds)
* B = billion
** Includes both fresh and frozen product.
NOAA FISHERIES

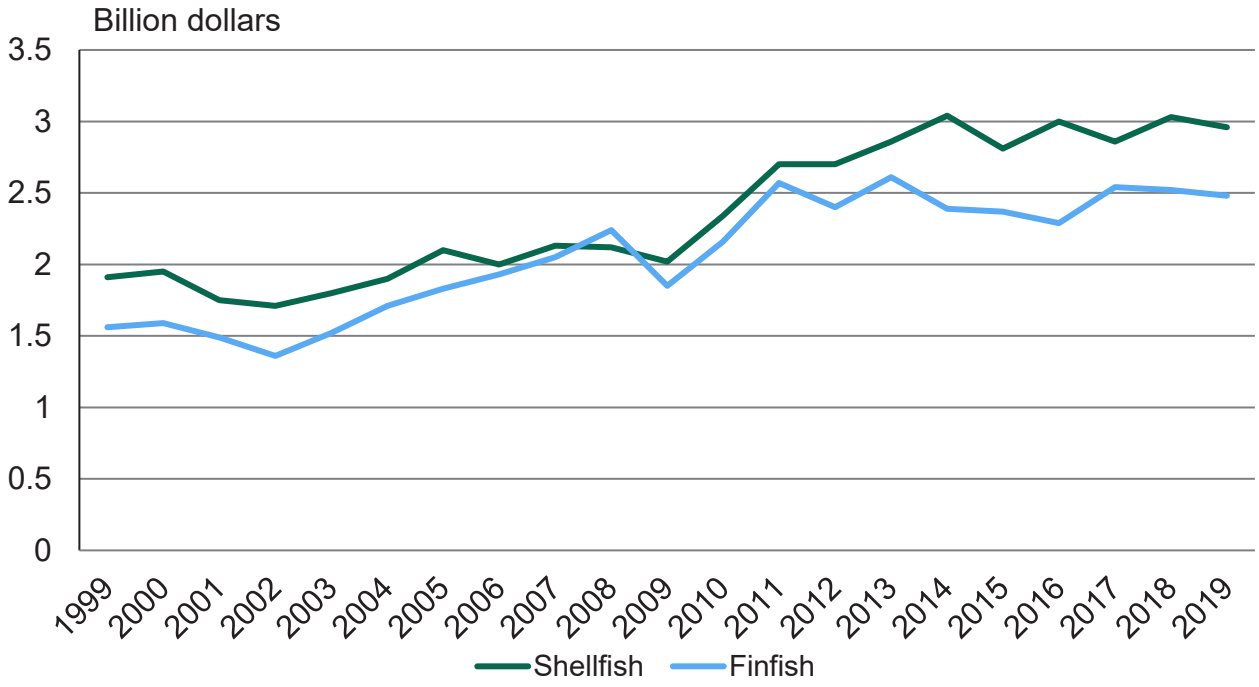
Commercial Landings, 1999-2019 National Landings and Deflated Value



Volume of U.S. Domestic Finfish and Shellfish Landings, 1999-2019



Value of U.S. Domestic Finfish and Shellfish Landings, 1999-2019



Alaska led all states in volume with landings of 5.6 billion pounds, followed by: Louisiana, 896.4 million pounds; Washington, 544.4 million pounds; Virginia, 390.6 million pounds; and Mississippi, 340.8 million pounds.

Alaska led all states in value of landings with $1.8 billion, followed by: Massachusetts, $679.3 million; Maine, $577.9 million; Washington, $308.5 million; and Louisiana, $305.3 million.

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

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

Tuna landings by U.S.-flag vessels at ports outside the continental United States amounted to 477 million pounds.

Major U.S. Domestic Species Groups Landed in 2019

Ranked by Volume and Value

Volume of Landings

Rank	Species	Thousand Pounds
1	Pollock (Alaska)	3,352,595
2	Menhaden	1,507,831
3	Salmon	838,267
4	Hakes	701,595
5	Flatfish	561,741
6	Cod	466,195
7	Crabs	271,933
8	Shrimp	248,055
9	Rockfishes	227,297
10	Lobsters	130,321

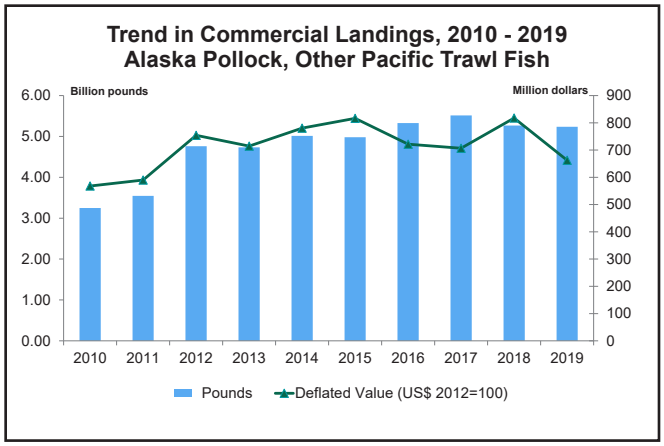
Value of Landings

Rank	Species	Thousand Dollars
1	Salmon	707,251
2	Lobsters	668,399
3	Crabs	635,695
4	Scallops	571,992
5	Shrimp	467,437
6	Pollock (Alaska)	387,601
7	Flatfish	264,510
8	Oysters	253,212
9	Clams	218,281
10	Menhaden	156,301

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 5.2 billion pounds valued at $744.1 million—a decrease of 1 percent in quantity and a decrease of 17 percent in value compared with 2018.

Landings of Alaska pollock (3.4 billion) decreased from 2018 but were 49.4 million pounds over their 2014-2018 5-year average. Landings of Pacific cod were 464 million pounds — a decrease of 10 percent from 512.7 million in 2018. Pacific hake (whiting) landings were 684.7 million pounds (down 0.3%) valued at $64.4 million (up 20%) compared to 2018. Landings of rockfishes were 74.5 million pounds (up 8%) and valued at $25.2 million (up 5%) compared to 2018.



ANCHOVIES

U.S. landings of anchovies were 21.9 million pounds—a decrease of 16.4 million pounds (43%) compared with 2018. 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 24.8 million pounds (round weight) valued at $99.8 million—an increase of 2.9 million pounds (13%) and $10.5 million (12%) compared with 2018. The Pacific fishery accounted for all but 109,000 pounds of the 2019 total halibut landings. The average ex-vessel price per pound in 2019 was $4.02 compared with $4.07 in 2018.

SEA HERRING

U.S. commercial landings of sea herring were 82.8 million pounds valued at $32.1 million—a decrease of 62.9 million pounds (43%), and $489,000 (1%) compared with 2018. Landings of Atlantic sea herring were 31 million pounds valued at $10.5 million—a decrease of 67.1 million pounds (68%), and $15.1 million (59%) compared with 2018.

Landings of Pacific sea herring were 51.8 million pounds valued at $21.6 million—an increase of 4.1 million pounds (9%), and $14.6 million (210%) compared with 2018. Alaska landings accounted for 99 percent of the Pacific coast with 51.4 million pounds valued at $21.4 million—an increase of 5.7 million pounds (12%), and $14.8 million (220%) compared with 2018.

JACK MACKEREL

California accounted for 1 percent, Oregon for 30 percent, and Washington 68 percent of the U.S. landings of jack mackerel in 2019. Total landings were 1.3 million pounds valued at $35,000—an increase of 1.1 million pounds (460%), and $8,000 (30%) compared with 2018. The 2019 average ex-vessel price per pound was 3 cents.

MACKEREL, ATLANTIC

U.S. landings of Atlantic mackerel were 11.1 million pounds valued at $2.8 million—a decrease of 8.1 million pounds (42%), and $1.6 million (37%) compared with 2018. Massachusetts with 3.6 million pounds and New Jersey with 5.5 million pounds accounted for 82 percent of the total landings. The average ex-vessel price per pound in 2019 was 25 cents compared with 23 cents in 2018.

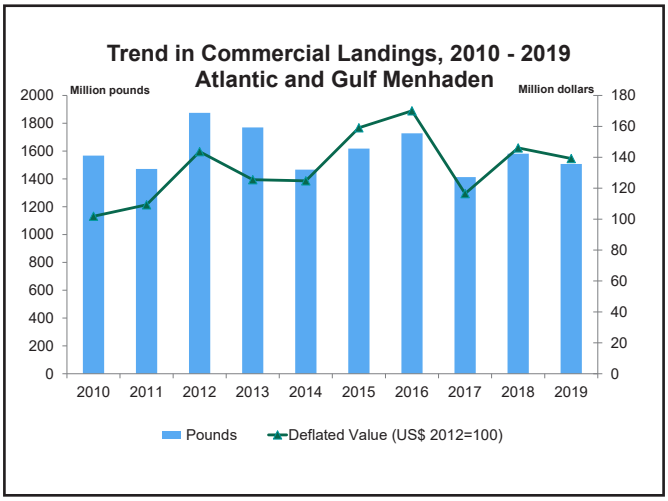
MACKEREL, CHUB

Landings of chub mackerel were 8.6 million pounds valued at $1.3 million—an increase of 3 million pounds (55%), and $322,000 (32%) compared with 2018. California accounted for 97 percent of the total landings. The average ex-vessel price in 2019 was 15 cents compared with 18 cents in 2018.

MENHADEN

The U.S. menhaden landings were 1.5 billion pounds valued at $156.3 million—a decrease of 73.7 million pounds (5%), and $4.8 million (3%) compared with 2018. Landings increased by 18.4 million pounds (4%) in the Atlantic states, while decreasing by 92.1 million pounds (8%) in the Gulf states compared with 2018. Landings along the Atlantic coast were 433.8 million pounds valued at $53.9 million. Gulf region landings were 1.1 billion pounds valued at $102.4 million.

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



NORTH ATLANTIC TRAWL FISH

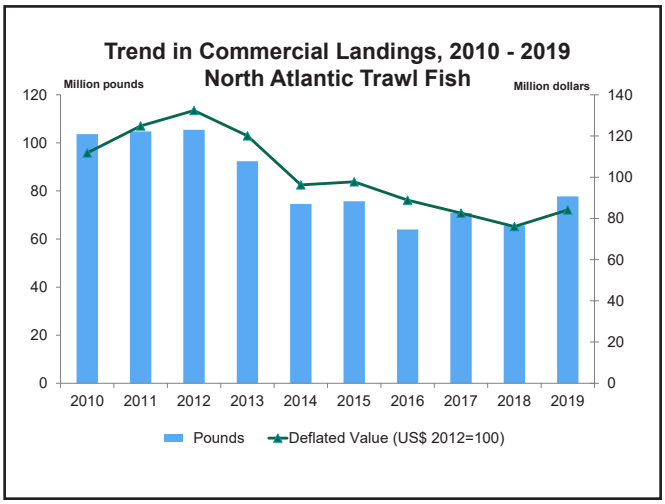
Landings of butterfish, Atlantic cod, cusk, flounders (winter/blackback, summer/fluke, yellowtail and other), haddock, red and white hake, ocean perch, pollock and whiting (silver hake) in the North Atlantic (combination of New England and Middle Atlantic Regions) were 77.8 million pounds valued at $90.2 million—an increase of 12.6 million pounds (19%), and $10.4 million (13%) compared with 2018. Of these species, flounders led in total value in the North Atlantic, accounting for 38 percent of the total; followed by haddock, 21 percent; and whiting (silver hake), 10 percent.

The 2019 landings of Atlantic cod were 2.2 million pounds valued at $5.1 million—an increase of 91,000 pounds (4%), and $298,000 (6%) compared with 2018. The ex-vessel price per pound in 2019 was $2.26 compared with $2.22 in 2018.

Landings of yellowtail flounder were 907,000—a decrease of 74,000 pounds (8%) from 2018 and 57 percent lower than the 5-year average.

Haddock landings increased to 19.2 million pounds (up 33%) and $18.9 million (up 42%) compared to 2018.

North Atlantic pollock landings were 7 million pounds valued at $5.9 million—an increase of 203,000 pounds (3%), and $524,000 (10%) compared with 2018.



PACIFIC SALMON

U.S. commercial landings of salmon were 838.3 million pounds valued at $707.3 million—an increase of 262.3 million pounds (46%) and $109.3 million (18%) compared with 2018. Alaska accounted for 99 percent of total landings; Washington, 1 percent; California, Oregon, and the Great Lakes accounted for less than 1 percent of the landings. Sockeye salmon landings were 290 million pounds valued at $466.5 million—an increase of 24.7 million pounds (9%) and $115 million (33%) compared with 2018. Chinook salmon landings increased to 9.8 million pounds—up 2.5 million pounds (35%) from 2018. Pink salmon landings were 395.9 million pounds—an increase of 260.2 million (190%); chum salmon landings were 115.8 million—a decrease of 23 million (17%); and coho salmon landings decreased to 26.8 million—a decrease of 2.1 million (7%) compared with 2018.

Alaska landings were 827.1 million pounds valued at $673.4 million—an increase of 270.2 million pounds (49%) and $120 million (22%) compared with 2018. The distribution of Alaska salmon landings by species in 2019 was: pink, 394.7 million pounds (48%); sockeye, 290 million pounds (35%); chum, 113.3 million pounds (14%); coho, 25.7 million pounds (3%); and chinook, 3.4 million pounds (less than 1%). The average price per pound for all species in Alaska was 81 cents in 2019—a decrease of 18 cents from 2018.

Washington salmon landings were 7.2 million pounds valued at $13.1 million—a decrease of 9.8 million pounds (58%) and $18 million (58%) compared with 2018. The biennial fishery for pink salmon went from 0 in 2018 to 1.3 million pounds in 2019. Washington landings of chinook salmon

were 2.5 million (up 8%); followed by chum, 2.5 million pounds (down 67%); coho, 900,000 pounds (down 44%); and sockeye, 35,000 pounds (down 99%). The average ex-vessel price per pound for all species in Washington decreased from $1.83 in 2018 to $1.82 in 2019.

Oregon salmon landings were 985,000 pounds valued at $4.1 million—an increase of 34,000 pounds (4%), but a decrease of $1.5 million (27%) compared with 2018. Chinook salmon landings were 849,000 pounds valued at $3.9 million; coho landings were 134,000 pounds valued at $233,000; sockeye landings were 2,000 pounds valued at $4,000; pink landings were less than 500 pounds valued at less than $500; and chum landings were less than 500 pounds valued at less than $500. The average ex-vessel price per pound for Chinook salmon in Oregon decreased from $6.36 in 2018 to $4.60 in 2019.

California salmon landings were 2.9 million pounds valued at $16.5 million— an increase of 1.9 million pounds (180%) and $8.8 million (120%) compared with 2018. Chinook salmon were the principal species landed in the state. The average ex-vessel price per pound paid to fishermen in 2019 was $5.59 compared with $7.26 in 2018.

SABLEFISH

U.S. commercial landings of sablefish were 40.6 million pounds valued at $89.2 million—an increase of 1.9 million pounds (5%), but a decrease of $21.2 million (19%) compared with 2018. Landings increased in Alaska to 29 million pounds—an increase of 7 percent compared with 2018. Landings decreased in Washington to 2.8 million pounds (down 3%) and $5 million (down 24%). The 2019 Oregon landings were 5.7 million pounds (up 2%), but value decreased to $9.4 million (down 21%) compared with 2018. California landings of 3.2 million pounds and $6.3 million represent an increase of 1 percent in quantity but a decrease of 1 percent in value from 2018. The average ex-vessel price per pound in 2019 was $2.20 compared with $2.85 in 2018.

TUNA

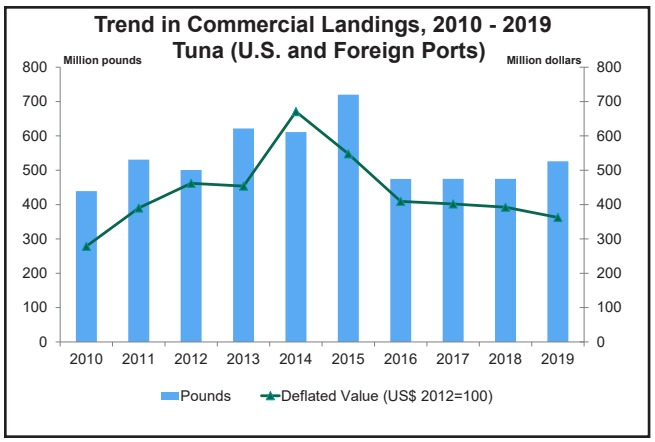
Landings of tuna by U.S. fishermen at ports in United States, American Samoa, other U.S. territories, and foreign ports were 526.1 million pounds valued at $407 million—an increase of 33.4 million pounds (7%), but a decrease of $50.4 million (11%) compared with 2018. The average ex-vessel price per pound of all species of tuna in 2019 was 77 cents compared with 93 cents in 2018.

Bigeye landings in 2019 were 28.3 million pounds—an increase of 4.4 million pounds (19%) compared with 2018. The average ex-vessel price per pound was $2.78 in 2019, compared to $3.30 in 2018.

Skipjack landings were 382.7 million pounds—a decrease of 2.3 million pounds (1%) compared with 2018. The average ex-vessel price per pound was 55 cents in 2019, compared to 69 cents in 2018.

Yellowfin landings were 92.1 million pounds—an increase of 29 million pounds (46%) compared with 2018. The average ex-vessel price per pound was 80 cents in 2019, compared with $1.12 in 2018.

Bluefin landings were 2.8 million pounds—an increase of 693,000 pounds (33%) compared with 2018. The average ex-vessel price per pound in 2019 was $3.80 compared with $5.40 in 2018.



CLAMS

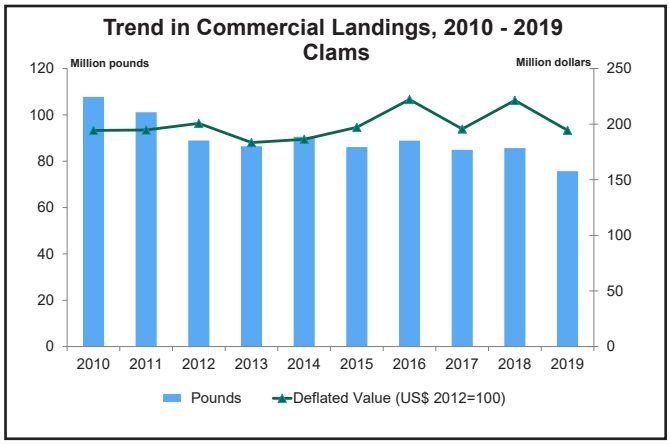
Landings of all species yielded 75.7 million pounds of meats valued at $218.3 million—a decrease of 10 million pounds (12%) and $25.8 million (11%) compared with 2018. The average ex-vessel price per pound in 2019 was $2.88 compared with $2.85 in 2018.

Surf clams yielded 36.6 million pounds of meats valued at $30.7 million—a decrease of 1.5 million pounds (4%) and $775,000 (2%) compared with 2018. New Jersey was the leading state with 17.6 million pounds (up 3%) compared with 2018, followed by Massachusetts, 15.7 million pounds (down 8%); and Maryland, 2.3 million pounds (down 10%). The average ex-vessel price per pound of meats was 84 cents in 2019, up 2 cents from 2018.

The ocean quahog fishery produced 24.7 million pounds of meats valued at $22.8 million—a decrease of 7.4 million pounds (23%) and $7.4 million (25%) compared with 2018. New Jersey had landings of 13.4 million pounds (down 25% compared with 2018) valued at $13.7 million (down 23%) while Massachusetts production was 11.1 million pounds (down 21%) valued at $8.2 million (down 28%). Together, New Jersey and Massachusetts accounted for 99 percent of total ocean quahog production in 2019. The average ex-vessel price per pound of meats decreased from 94 cents in 2018 to 92 cents in 2019.

The hard clam fishery produced 6.8 million pounds of meats valued at $48.3 million—a decrease of 375,000 pounds (5%) and $4.5 million (8%) compared with 2018. Landings in the New England region were 1.4 million pounds of meats (down 9%); Middle Atlantic, 5 million pounds (stable compared with 2018); and the South Atlantic region, 375,000 pounds (down 38%). The average ex-vessel price per pound of meats decreased from $7.34 in 2018 to $7.09 in 2019.

Soft clams yielded 2.5 million pounds of meats valued at $25.8 million—an increase of 11,000 pounds (less than 1%) and $5.2 million (25%) compared with 2018. Maine was the leading state with 1.6 million pounds of meats (up 9%), followed by Massachusetts, 702,000 pounds (down 6%), and New York, 153,000 pounds (up 24%). The average ex-vessel price per pound of meats was $10.40 in 2019, compared with $8.36 in 2018.



CRABS

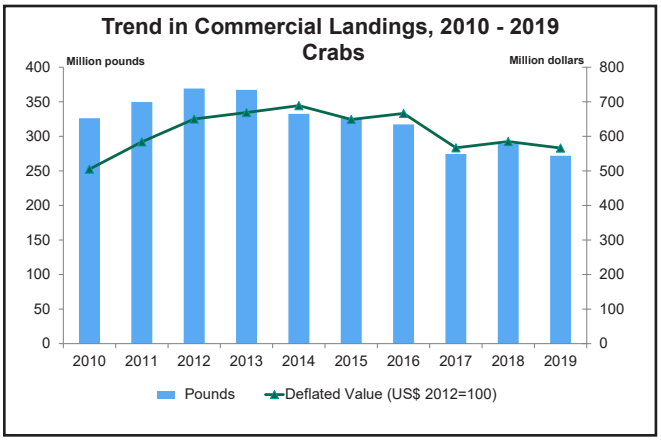
Landings of all species of crabs were 271.9 million pounds valued at $635.7 million—a decrease of 17.1 million pounds (6%) and $9.2 million (1%) compared with 2018.

Hard blue crab landings were 142.8 million pounds valued at $199.3 million—an increase of 5.4 million pounds (4%) and $10.9 million (6%) compared with 2018. Louisiana landed 25 percent of the total U.S. landings followed by: Maryland, 19 percent; Virginia, 18 percent; and North Carolina, 16 percent. Hard blue crab landings in the South Atlantic with 33 million pounds increased 22 percent and the Gulf region with 46.6 million pounds decreased 12 percent. The Middle Atlantic region with 63.1 million pounds valued at $93.9 million had an increase of 5.9 million pounds (10%) compared with 2018. The average ex-vessel price per pound of hard blue crabs was $1.40 in 2019 compared with $1.37 in 2018.

Dungeness crab landings were 61.4 million pounds valued at $220.9 million—a decrease of 6.9 million pounds (10%) and $18.4 million (8%) compared with 2018. Washington landings of 19.1 million pounds (down 10% from 2018) led all states with 31 percent of the total landings. Oregon landings were 19 million pounds (down 18%) or 31 percent of the total landings. California landings were 15.6 million pounds (down 17%) and Alaska landings were 7.7 million pounds (up 46%). The average ex-vessel price per pound was $3.60 in 2019, compared with $3.50 in 2018.

U.S. landings of king crab were 10.8 million pounds valued at $67.6 million—a decrease of 359,000 pounds (3%) but an increase of $352,000 (1%) compared with 2018. The average ex-vessel price per pound in 2019 was $6.25 compared with $6.01 in 2018.

Snow crab landings were 27.3 million pounds valued at $82.3 million—an increase of 8.4 million pounds (45%) and $25.7 million (46%) compared with 2018. The average ex-vessel price per pound was $3.02 in 2019, up from $3.00 in 2018.



LOBSTER, AMERICAN

American lobster landings were 125.8 million pounds valued at $628.7 million—a decrease of 20.3 million pounds (14%) but an increase of $4.5 million (1%) compared with 2018. Maine led in landings for the 38th consecutive year with 100.8 million pounds valued at $485.9 million—a decrease of 19.3 million pounds (16%) compared with 2018. Massachusetts, the second leading producer, had landings of 16.7 million pounds valued at $93.1 million—a decrease of 808,000 pounds (5%) compared with 2018. Together, Maine and Massachusetts produced 93 percent of the total national landings. The average ex-vessel price per pound was $5.00 in 2019, compared with $4.27 in 2018.

LOBSTER, SPINY

U.S. landings of spiny lobster were 4.5 million pounds valued at $39.7 million–a decrease of 2.6 million pounds (36%) and $20.4 million (34%) compared with 2018. Florida, with landings of 3.7 million pounds valued at $28.4 million, accounted for 82 percent of the total landings and 71 percent of the value. This was a decrease of 2.5 million pounds (41%) and $17.6 million (38%) compared with 2018. Overall the average ex-vessel price per pound was $8.84 in 2019, compared with $8.50 in 2018.

OYSTERS

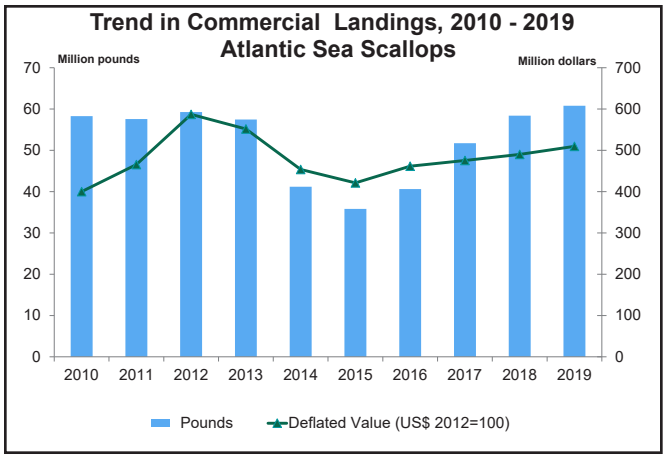
U.S. oyster landings yielded 27.7 million pounds valued at $253.2 million—a decrease of 2.6 million pounds (9%) and $5.5 million (2%) compared with 2018. The Gulf region led in production with 12.5 million pounds of meats, 45 percent of the national total; followed by the Pacific Coast region with 9.2 million pounds (33%), principally from Washington, with 7.2 million pounds (78% of the region's total volume); and the Middle Atlantic region with 4.2 million pounds (15%). The average ex-vessel price per pound of meats was $9.13 in 2019, compared with $8.54 in 2018.

SCALLOPS

U.S. landings of bay and sea scallops totaled 60.8 million pounds valued at $572 million—an increase of 2.4 million pounds (4%) and $31.4 million (6 %) compared with 2018. The average ex-vessel price per pound of meats increased from $9.26 in 2018 to $9.41 in 2019.

Bay scallop landings were 125,000 pounds valued at $2.1 million—a decrease of 378,000 pounds (75 %) and $6.2 million (74%) compared with 2018. The average ex-vessel price per pound of meats was $17.00 in 2019, compared with $16.48 in 2018.

Sea scallop landings were 60.7 million pounds valued at $569.9 million—an increase of 2.8 million pounds (5%) and $37.6 million (7%) compared with 2018. Massachusetts and New Jersey were the leading states in landings of sea scallops with 41.8 million and 10.5 million pounds of meats, respectively, representing 86 percent of the national total. The average ex-vessel price per pound of meats in 2019 was $9.39, compared with $9.20 in 2018.



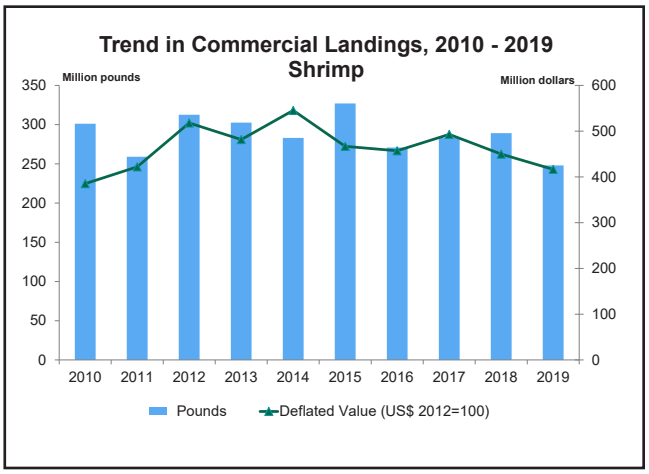
SHRIMP

U.S. landings of shrimp were 248 million pounds valued at $467.4 million—a decrease of 41.1 million pounds (14%) and $28.7 million (6%) compared with 2018. Shrimp landings by region were: New England down 100 percent; South Atlantic up 34 percent; Gulf down 17 percent; and Pacific down 20 percent. The average ex-vessel price per pound of

shrimp increased to $1.88 in 2019 from $1.72 in 2018.

Gulf region landings were the nation's largest with 177.8 million pounds and 72 percent of the national total. Louisiana led all Gulf states with 81.5 million pounds (down 10% compared with 2018); followed by Texas, 59.1 million pounds (down 18%); Alabama, 20.2 million pounds (down 28%); Florida West Coast, 9.7 million pounds (down 33%); and Mississippi, 7.4 million pounds (down 26%).

In the Pacific region, Oregon had landings of 26.7 million pounds (down 25% compared with 2018); Washington had landings of 10.2 million pounds (up 11%); and California, 3.5 million pounds (down 43%).



SQUID

U.S. commercial landings of squid were 119.9 million pounds valued at $87.3 million—a decrease of 41.7 million pounds (26%) and $14.8 million (14%) compared with 2018. California was the leading state with 27.1 million pounds (23%) and was followed by New Jersey with 21.6 million pounds (18% of the national total). The New England region landings were 54.7 million pounds (up 33% compared with 2018); followed by the Middle Atlantic, 32.6 million pounds (down 13%); followed by the Pacific Coast region with 32.5 million pounds (down 61%); followed by the South Atlantic region with 80,000 pounds (down 14%); and the Gulf region with 25,000 pounds (down 59%). The average ex-vessel price per pound for squid was 73 cents in 2019, compared with 63 cents in 2018.

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 logbooks, trip tickets, and other reports submitted by fishers and seafood dealers. 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, 2018 AND 2019 (1)

Species	2018			2019			Average (2014-2018)
	Thousand pounds	Metric tons	Thousand dollars	Thousand pounds	Metric tons	Thousand dollars	Thousand pounds
Fish							
Alewife	2,017	915	688	2,163	981	837	1,287
Anchovies	38,272	17,360	1,977	21,896	9,932	1,138	26,186
Atka mackerel	156,723	71,089	55,440	127,271	57,730	44,453	121,587
Bluefish	2,551	1,157	2,325	3,131	1,420	2,626	4,183
Blue runner	326	148	280	255	116	227	305
Bonito	1,534	696	549	70	32	128	866
Butterfish	4,048	1,836	2,856	7,629	3,460	5,951	5,634
Catfish and bullheads	12,841	5,824	6,992	12,978	5,887	6,779	12,218
Chubs	118	54	263	7	3	179	148
Cod:							
Atlantic	2,152	976	4,777	2,242	1,017	5,076	3,154
Pacific	512,741	232,578	239,092	463,953	210,448	118,729	659,058
Crevalle (jack)	661	300	556	471	214	430	688
Croaker:							
Atlantic	4,353	1,975	6,066	2,196	996	2,473	6,060
Pacific (white)	47	21	36	43	20	20	28
Cusk	56	25	29	46	21	30	84
Dolphinfish	1,602	727	5,209	1,716	778	5,612	2,157
Eels, American	763	346	23,407	504	229	21,443	854
Flatfish:							
Atlantic and Gulf:							
American plaice	2,444	1,109	5,284	2,174	986	4,201	2,643
Summer flounder	6,185	2,805	26,399	9,064	4,111	30,017	8,242
Winter flounder	1,975	896	5,927	1,287	584	3,609	3,004
Witch flounder	1,320	599	2,496	1,764	800	3,087	1,103
Yellowtail flounder	981	445	1,058	907	411	925	2,131
Other	2,187	992	4,780	1,791	812	4,174	2,218
Total, Atlantic/Gulf	**15,092**	**6,846**	**45,944**	**16,987**	**7,705**	**46,013**	**19,341**
Pacific:							
Arrowtooth flounder	52,508	23,817	7,749	71,989	32,654	7,264	71,487
Dover sole	13,667	6,199	6,153	12,215	5,541	5,369	13,474
Flathead sole	27,294	12,380	5,517	38,409	17,422	8,994	27,860
Petrale sole	6,268	2,843	7,302	5,609	2,544	6,854	5,921
Rock sole	64,246	29,142	12,302	57,923	26,274	13,241	93,168
Yellowfin sole	280,717	127,332	49,351	275,828	125,115	59,694	292,079

(continued)

U.S. DOMESTIC LANDINGS, BY SPECIES, 2018 AND 2019 (1)

Species	2018			2019			Average (2014-2018)
	Thousand pounds	Metric tons	Thousand dollars	Thousand pounds	Metric tons	Thousand dollars	Thousand pounds
Other	65,278	29,610	18,917	57,974	26,297	17,261	57,383
Total, Pacific	**509,978**	**231,325**	**107,291**	**519,947**	**235,846**	**118,677**	**561,372**
Halibut	21,929	9,947	89,318	24,807	11,252	99,820	24,267
Total, flatfish	**546,999**	**248,117**	**242,553**	**561,741**	**254,804**	**264,510**	**604,980**
Goosefish (monkfish)	22,956	10,413	14,844	23,064	10,462	14,540	20,932
Groupers	5,259	2,385	22,680	5,028	2,281	23,856	7,613
Haddock	14,455	6,557	13,354	19,214	8,715	18,905	11,915
Hakes:							
Pacific (whiting)	686,598	311,439	53,705	684,741	310,596	64,399	585,350
Red	1,093	496	470	1,019	462	416	1,096
Silver (Atl. whiting)	11,393	5,168	9,630	11,515	5,223	8,656	13,513
White	4,424	2,007	4,231	4,320	1,960	4,631	3,949
Herring:							
Sea:							
Atlantic	98,086	44,492	25,626	31,004	14,063	10,524	146,159
Pacific	47,706	21,639	6,979	51,842	23,515	21,595	68,388
Thread	1,296	588	335	178	81	83	1,834
Jack mackerel	239	109	27	1,337	606	35	1,741
Lingcod	1,962	890	2,725	2,008	911	2,803	1,687
Mackerels:							
Atlantic	19,254	8,734	4,369	11,123	5,045	2,758	14,321
Chub	5,548	2,516	1,000	8,574	3,889	1,320	9,308
King and Cero	5,798	2,630	12,881	5,893	2,673	13,040	5,388
Spanish	4,925	2,234	5,068	4,641	2,105	4,747	4,209
Menhaden:							
Atlantic	415,419	188,433	44,524	433,779	196,761	53,933	400,497
Gulf	1,166,159	528,966	116,564	1,074,052	487,187	102,368	1,118,764
Total, menhaden	**1,581,578**	**717,399**	**161,088**	**1,507,831**	**683,948**	**156,301**	**1,519,261**
Mullets	10,821	4,908	7,636	7,535	3,418	5,067	11,541
Pollock:							
Atlantic	6,778	3,074	5,330	6,981	3,167	5,855	7,274
Walleye (Alaska)	3,363,901	1,525,855	451,180	3,352,595	1,520,727	387,601	3,303,161
Rockfishes:							
Ocean perch:							
Atlantic (redfish)	9,902	4,492	5,036	11,727	5,319	6,211	10,163
Pacific	123,787	56,150	26,420	141,023	63,968	29,447	112,046
Other	68,730	31,176	23,969	74,547	33,814	25,256	50,452
Total, rockfishes	**202,419**	**91,818**	**55,425**	**227,297**	**103,101**	**60,914**	**172,661**

(continued)

U.S. Commercial Landings

U.S. DOMESTIC LANDINGS, BY SPECIES, 2018 AND 2019 (1)

Species	2018			2019			Average (2014-2018)
	Thousand pounds	Metric tons	Thousand dollars	Thousand pounds	Metric tons	Thousand dollars	Thousand pounds
Sablefish	38,740	17,573	110,448	40,631	18,430	89,215	36,148
Salmon:							
Chinook	7,234	3,281	38,546	9,762	4,428	42,771	13,550
Chum	138,766	62,944	109,391	115,801	52,527	61,548	126,297
Coho	28,890	13,104	37,219	26,768	12,142	29,950	33,807
Pink	135,782	61,590	61,406	395,943	179,599	106,521	335,685
Sockeye	265,300	120,339	351,505	289,993	131,540	466,461	276,951
Total, salmon	**575,972**	**261,259**	**598,067**	**838,267**	**380,235**	**707,251**	**786,290**
Sardines:							
Pacific	437	198	55	574	260	85	12,355
Spanish	1,780	807	395	-	-	-	1,324
Scup or porgy	13,433	6,093	9,804	13,802	6,261	9,297	15,596
Sea bass:							
Black (Atlantic)	3,752	1,702	12,615	3,803	1,725	12,661	3,346
White (Pacific)	241	109	984	160	73	734	235
Sea trout or weakfish:							
Gray	108	49	217	188	85	337	167
Spotted	270	122	775	575	261	1,448	345
Sand (white)	19	9	17	20	9	20	27
Shads:							
American	647	294	400	270	122	232	582
Hickory	97	44	41	138	63	53	113
Sharks:							
Dogfish	17,212	7,808	3,525	19,526	8,857	4,109	23,565
Other	3,567	1,618	2,714	2,464	1,118	2,518	3,231
Sheepshead (Atlantic)	1,898	861	1,390	1,559	707	1,184	1,514
Skates	62,874	28,520	19,471	53,393	24,219	9,505	57,394
Smelts	384	174	288	442	200	319	482
Snappers:							
Red	6,966	3,160	29,595	7,493	3,399	32,258	6,595
Vermilion	2,259	1,025	6,991	2,285	1,036	9,034	2,409
Unclassified	2,862	1,298	10,177	2,907	1,319	10,329	3,176
Spearfish	3,118	1,414	3,953	3,817	1,731	3,016	3,134
Spot	954	433	1,504	1,534	696	2,791	2,278
Striped bass	4,517	2,049	19,237	4,192	1,901	15,507	5,148
Swordfish	5,383	2,442	14,394	5,318	2,412	15,296	6,045
Tenpounder (ladyfish)	2,020	916	1,527	1,259	571	994	1,720
Tilefish	2,467	1,119	7,673	2,557	1,160	8,784	2,724

(continued)

U.S. DOMESTIC LANDINGS, BY SPECIES, 2018 AND 2019 (1)

Species	2018			2019			Average (2014-2018)
	Thousand pounds	Metric tons	Thousand dollars	Thousand pounds	Metric tons	Thousand dollars	Thousand pounds
Trout, rainbow	146	66	355	41	19	104	324
Tuna:							
Albacore	15,676	7,110	25,668	17,235	7,818	28,816	22,332
Bigeye	18,251	8,279	74,902	19,092	8,660	73,732	19,181
Bluefin	2,112	958	11,408	2,806	1,273	10,652	2,340
Little tunny	482	219	293	466	211	280	644
Skipjack	2,853	1,294	1,610	690	313	838	1,065
Yellowfin	12,302	5,580	35,140	8,744	3,966	27,867	10,064
Unclassified	8	4	32	121	55	241	60
Total, tuna	**51,684**	**23,444**	**149,053**	**49,154**	**22,296**	**142,426**	**55,686**
Whitefish, Lake	5,543	2,514	9,045	5,161	2,341	8,700	6,312
Wolffish, Atlantic	13	6	4	-	-	-	3
Yellow perch	1,785	810	5,324	1,678	761	3,450	1,654
Other marine finfishes	30,789	13,966	42,038	70,880	32,151	93,493	39,818
Other freshwater finfishes	14,433	6,547	5,753	11,414	5,177	4,623	13,389
Total, fish	**8,240,663**	**3,737,940**	**2,519,507**	**8,321,554**	**3,774,632**	**2,478,460**	**8,453,907**
Shellfish							
Crustaceans:							
Crabs:							
Blue: Hard	137,403	62,325	188,389	142,779	64,764	199,310	145,888
Soft and peeler	897	407	4,721	737	334	2,078	890
Dungeness	68,316	30,988	239,336	61,368	27,836	220,943	54,452
Jonah	20,203	9,164	18,531	15,988	7,252	13,103	16,686
King	11,177	5,070	67,208	10,818	4,907	67,561	14,572
Snow (Tanner):							
Opilio	18,854	8,552	56,537	27,260	12,365	82,267	42,867
Bairdi	**4,023**	**1,825**	**13,034**	**3,195**	**1,449**	**11,321**	**9,359**
Other	28,148	12,768	57,156	9,788	4,440	39,112	15,797
Total, crabs	**289,021**	**131,099**	**644,912**	**271,933**	**123,348**	**635,695**	**300,511**
Crawfish (freshwater)	11,178	5,070	12,550	8,465	3,840	11,663	9,534
Lobsters:							
American	146,176	66,305	624,228	125,828	57,076	628,700	146,283
Spiny	7,068	3,206	60,075	4,493	2,038	39,699	5,640
Shrimp:							
New England	11	5	74	-	-	-	42
South Atlantic	20,336	9,224	49,724	27,284	12,376	67,363	23,279
Gulf	215,427	97,717	393,616	177,829	80,663	354,874	200,717
Pacific	53,214	24,138	52,222	42,355	19,212	44,228	68,966

(continued)

U.S. Commercial Landings

U.S. DOMESTIC LANDINGS, BY SPECIES, 2018 AND 2019 (1)

Species	2018			2019			Average (2014-2018)
	Thousand pounds	Metric tons	Thousand dollars	Thousand pounds	Metric tons	Thousand dollars	Thousand pounds
Other	190	86	478	587	266	972	124
Total, shrimp	**289,178**	**131,170**	**496,114**	**248,055**	**112,517**	**467,437**	**293,128**
Total, crustaceans	**742,621**	**336,851**	**1,837,879**	**658,774**	**298,818**	**1,783,194**	**755,096**
Mollusks:							
Clams:							
Quahog (hard)	7,190	3,261	52,793	6,817	3,092	48,320	7,740
Geoduck (Pacific)	2,658	1,206	77,372	2,611	1,184	63,044	2,551
Manila (Pacific)	1,258	571	24,922	1,110	504	21,897	859
Ocean quahog	32,058	14,541	30,242	24,690	11,199	22,798	31,132
Softshell	2,467	1,119	20,616	2,478	1,124	25,770	2,676
Surf (Atlantic)	**38,180**	**17,318**	**31,445**	**36,639**	**16,619**	**30,669**	**40,829**
Other	1,859	843	6,717	1,343	609	5,783	1,449
Total, clams	**85,670**	**38,860**	**244,107**	**75,688**	**34,332**	**218,281**	**87,236**
Conch (snails)	2,331	1,058	10,878	2,031	921	10,171	2,766
Mussels, blue (sea)	3,155	1,431	11,158	2,636	1,196	12,430	4,677
Oysters	30,304	13,746	258,748	27,722	12,575	253,212	31,415
Scallops:							
Bay	502	228	8,289	125	57	2,126	228
Sea	57,880	26,254	532,294	60,669	27,519	569,866	43,868
Squid:							
Atlantic:							
Illex	53,169	24,117	23,629	59,880	27,162	27,997	28,442
Loligo	25,547	11,588	38,569	27,425	12,440	42,829	27,272
Unclassified	3,182	1,443	488	219	99	119	2,671
Pacific:							
Loligo	79,729	36,165	39,348	32,360	14,678	16,319	121,943
Unclassified	1	-	3	-	-	-	-
Total, Squid	**161,628**	**73,314**	**102,037**	**119,884**	**54,379**	**87,264**	**180,328**
Total, mollusks	**341,470**	**154,890**	**1,167,511**	**288,755**	**130,978**	**1,153,350**	**350,518**
Other shellfish	23,626	10,717	21,555	12,123	5,499	18,615	21,696
Total, Shellfish	**1,107,717**	**502,457**	**3,026,945**	**959,652**	**435,295**	**2,955,159**	**1,127,310**
Other:							
Horseshoe crab	2,035	923	1,623	2,631	1,193	2,060	2,099
Sea urchins	6,933	3,145	14,579	5,677	2,575	13,811	9,950
Seaweed, unclassified	27,447	12,450	1,206	18,526	8,403	871	21,654
Kelp (with herring eggs)	-	-	-	-	-	-	1

(continued)

U.S. DOMESTIC LANDINGS, BY SPECIES, 2018 AND 2019 (1)

Species	2018			2019			Average (2014-2018)
	Thousand pounds	Metric tons	Thousand dollars	Thousand pounds	Metric tons	Thousand dollars	Thousand pounds
Worms	573	260	7,544	602	273	7,869	565
Total, other	**36,988**	**16,778**	**24,952**	**27,436**	**12,445**	**24,611**	**34,269**
Grand Total, U.S.	**9,385,368**	**4,257,175**	**5,571,404**	**9,308,642**	**4,222,372**	**5,458,230**	**9,615,486**

(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.
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.

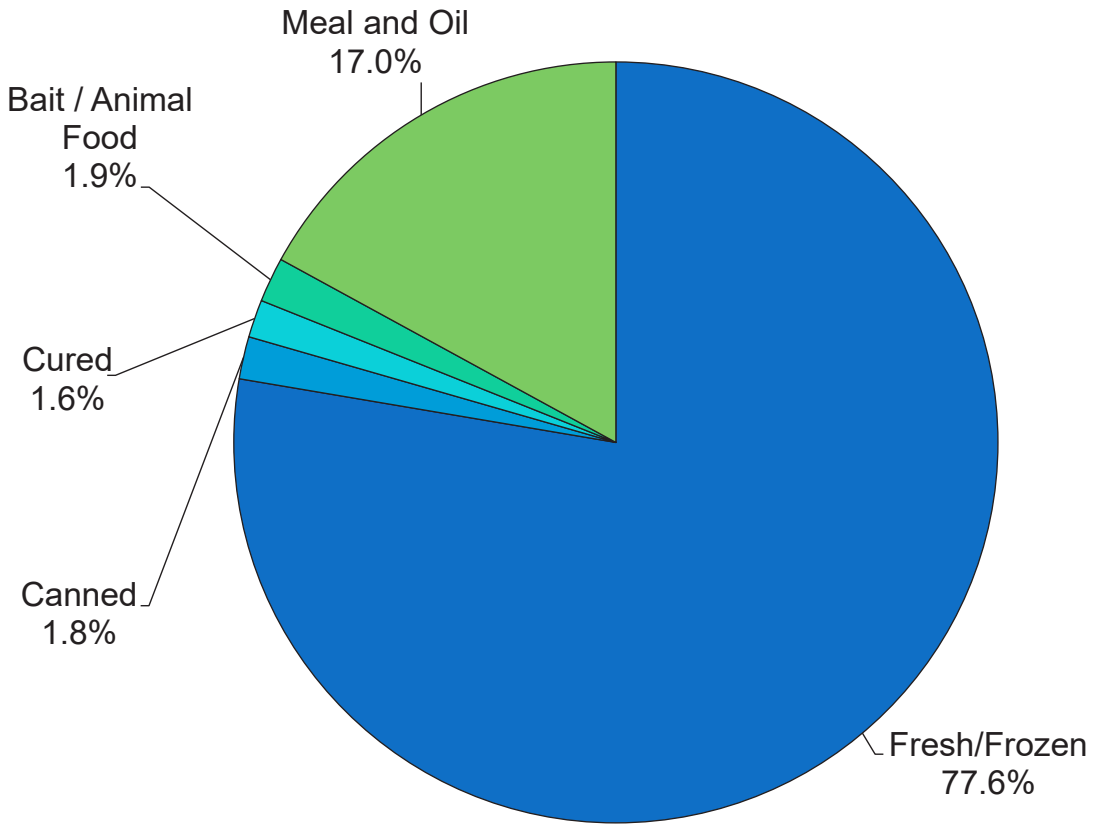
U.S. Commercial Landings

DISPOSITION OF U.S. DOMESTIC LANDINGS, 2018 AND 2019

End Use	2018			2019		
	Million pounds	Thousand metric tons	Percent	Million pounds	Thousand metric tons	Percent
Fresh and frozen:						
For human food	7,181	3,257	77.1	7,225	3,277	77.6
For bait and animal food	262	119	2.8	180	82	1.9
Total	**7,443**	**3,376**	**80.0**	**7,405**	**3,359**	**79.5**
Canned:						
For human food	180	82	1.9	172	78	1.8
For bait and animal food	-	-	0.0	-	-	0.0
Total	**180**	**82**	**1.9**	**172**	**78**	**1.8**
Cured for human food	139	63	1.5	145	66	1.6
Reduction to meal, oil, other	1,623	736	17.4	1,587	720	17.0
Grand total	**9,385**	**4,257**	**100.0**	**9,309**	**4,223**	**100.0**

Note: Table may not add due to rounding.

Disposition of U.S. Domestic Landings, 2019



U.S. COMMERCIAL LANDINGS OF FISH AND SHELLFISH, 2010-2019 (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
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
2019	7,542	3,421	5,160	1,766	801	298	9,308	4,222	5,458

(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, 2018 AND 2019 (1)

Regions and States	2018			2019			Record Landings	
	Thousand pounds	Metric tons	Thousand dollars	Thousand pounds	Metric tons	Thousand dollars	Year	Thousand pounds
New England:	**571,709**	**259,326**	**1,394,365**	**486,777**	**220,801**	**1,421,075**	**-**	**-**
Maine	228,365	103,586	587,381	154,502	70,082	577,889	1950	356,266
New Hampshire	9,844	4,465	38,431	10,388	4,712	38,211	2003	27,435
Massachusetts	241,276	109,442	647,179	234,038	106,159	679,298	1948	649,696
Rhode Island	81,089	36,782	105,149	78,778	35,733	109,237	1957	142,080
Connecticut	11,135	5,051	16,225	9,071	4,115	16,440	1930	88,012
Middle Atlantic:	**627,913**	**284,819**	**473,233**	**640,726**	**290,631**	**491,962**	**-**	**-**
New York	22,606	10,254	46,988	23,002	10,434	39,219	1880	335,000
New Jersey	190,500	86,410	170,261	175,310	79,520	189,257	1956	540,060
Delaware	5,275	2,393	10,535	5,421	2,459	10,710	1953	367,500
Maryland	47,052	21,343	68,410	46,431	21,061	76,002	1890	141,607
Virginia	362,480	164,420	177,039	390,562	177,158	176,774	1990	786,794
South Atlantic:	**109,102**	**49,488**	**179,308**	**123,762**	**56,138**	**232,778**	**-**	**-**
North Carolina	54,801	24,858	78,349	59,036	26,779	100,581	1981	432,006
South Carolina	8,677	3,936	21,380	9,482	4,301	24,137	1965	26,611
Georgia	7,391	3,353	16,438	8,700	3,946	22,611	1927	47,607
Florida, East Coast	38,233	17,342	63,141	46,544	21,112	85,449	1952	264,561 (4)
Gulf:	**1,540,948**	**698,969**	**887,357**	**1,396,975**	**633,664**	**795,893**	**-**	**-**
Florida, West Coast	67,908	30,803	186,307	58,261	26,427	163,761	1952	264,561 (4)
Alabama	35,524	16,114	67,732	26,621	12,075	58,454	1973	36,744
Mississippi	320,265	145,271	45,575	340,794	154,583	59,226	1984	476,997
Louisiana	1,033,345	468,722	377,127	896,449	406,627	305,324	1984	1,931,027
Texas	83,906	38,060	210,616	74,850	33,952	209,128	1960	237,684
Pacific Coast:	**6,487,258**	**2,942,601**	**2,500,309**	**6,613,921**	**3,000,055**	**2,391,573**	**-**	**-**
Alaska	5,403,751	2,451,125	1,781,999	5,631,389	2,554,381	1,754,113	2015	6,038,185
Washington (5)	590,396	267,802	346,440	544,383	246,931	308,488	2016	551,860
Oregon	308,958	140,142	174,287	326,974	148,314	164,645	2013	339,614
California	184,153	83,531	197,583	111,175	50,429	164,327	1936	1,760,193
Great Lakes (3):	**12,944**	**5,871**	**17,716**	**11,799**	**5,352**	**15,227**	**-**	**-**
Illinois	-	-	-	-	-	-	-	(2)
Michigan	5,493	2,492	8,302	5,232	2,373	8,012	1930	35,580
Minnesota	210	95	219	245	111	229	-	(2)
New York	82	37	180	52	24	95	-	(2)
Ohio	4,401	1,996	5,729	3,756	1,704	3,772	1936	31,083
Pennsylvania	65	29	215	73	33	251	-	(2)
Wisconsin	2,693	1,222	3,071	2,441	1,107	2,868	-	(2)
Hawaii	35,494	16,100	119,116	34,682	15,732	109,722	2017	37,162
Total, United States	**9,385,368**	**4,257,175**	**5,571,404**	**9,308,642**	**4,222,372**	**5,458,230**	**---**	**---**

(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 2017 (under 2018) and 2018 (under 2019) 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, 2018-2019

Port	Quantity		Port	Value	
	2018	2019		2018	2019
	Million pounds			Million dollars	
Dutch Harbor, AK	763	763	New Bedford, MA	431	451
Aleutian Islands (Other), AK	539	589	Naknek, AK	195	289
Kodiak, AK	391	397	Dutch Harbor, AK	182	190
Reedville, VA	353	365	Aleutian Islands (Other), AK	116	142
Pascagoula-Moss Point, MS	310	331	Bristol Bay (Other), AK	104	129
Intracoastal City, LA	328	234	Kodiak, AK	104	120
Empire-Venice, LA	569	209	Pago Pago, AS	132	93
Naknek, AK	191	206	Cape May-Wildwood, NJ	66	90
Alaska Penninsula (Other), AK	155	181	Honolulu, HI	106	90
Astoria, OR	138	171	Empire-Venice, LA	148	79
Pago Pago, AS	187	165	Alaska Penninsula (Other), AK	61	75
Newport, OR	123	122	Point Judith, RI	64	66
Westport, WA	122	121	Galveston, TX	60	65
New Bedford, MA	114	116	Newport, OR	62	58
Cordova, AK	59	96	Gloucester, MA	53	57
Cape May-Wildwood, NJ	101	95	Hampton Roads Area, VA	55	56
Bristol Bay (Other), AK	70	73	Cordova, AK	55	55
Gloucester, MA	59	50	Key West, FL	73	55
Sitka, AK	46	50	Sitka, AK	61	54
Point Judith, RI	48	48	Westport, WA	29	53
Ketchikan, AK	38	46	Bayou La Batre, AL	63	53
Seward, AK	29	44	Stonington, ME	60	51
Point Pleasant, NJ	43	37	Dulac-Chauvin, LA	47	50
Dulac-Chauvin, LA	34	35	Brownsville-Port Isabel, TX	51	46
Petersburg, AK	35	32	Astoria, OR	40	45
Honolulu, HI	32	29	Pascagoula-Moss Point, MS	27	43
Kenai, AK	17	24	Palacios, TX	43	42
Los Angeles, CA	29	24	Vinalhaven, ME	39	40
Atlantic City, NJ	25	24	Petersburg, AK	45	38
Bayou La Batre, AL	32	23	Reedville, VA	36	37
North Kingstown, RI	23	19	Seward, AK	44	37
Galveston, TX	20	19	Tampa Bay-St. Petersburg, FL	31	36
Provincetown-Chatham, MA	23	19	Point Pleasant, NJ	32	35
Portland, ME	46	19	Shelton, WA	32	32
Boston, MA	17	19	Provincetown-Chatham, MA	35	32
Coos Bay-Charleston, OR	25	18	St. Augustine, FL	19	31
Moss Landing, CA	38	18	Port Arthur, TX	36	30
Wanchese-Stumpy Point, NC	16	18	Ketchikan, AK	36	29
Hampton Roads Area, VA	15	17	Coos Bay-Charleston, OR	34	29
St. Augustine, FL	18	17	Newington, NH	27	27
Palacios, TX	19	17	Portland, ME	36	26
Brownsville-Port Isabel, TX	20	17	Delacroix-Yscloskey, LA	36	26
Grand Isle, LA	18	16	Long Beach-Barnegat, NJ	24	25
Craig, AK	2	15	Beaufort-Morehead City, NC	17	25
Golden Meadow-Leeville, LA	20	15	Friendship, ME	24	25
Key West, FL	16	14	Golden Meadow-Leeville, LA	27	23
Port Arthur, TX	17	14	Juneau, AK	21	23
Tampa Bay-St. Petersburg, FL	15	13	Beals Island, ME	24	23
Upper Southeast (Other), AK	4	12	Crescent City, CA	28	22
Montauk, NY	11	12	Wanchese-Stumpy Point, NC	20	22

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 port groupings can be found at: https://foss.nmfs.noaa.gov/apexfoss/foss_pub/r/215/files/static/v2/akportgroups.pdf
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, 2019 (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	2,159	979	835	4	2	2	-	-	-	2,163	981	837
Anchovies	18,611	8,442	967	3,285	1,490	171	-	-	-	21,896	9,932	1,138
Atka mackerel	83	38	24	127,188	57,692	44,429	-	-	-	127,271	57,730	44,453
Bluefish	1,679	762	1,299	1,452	659	1,327	-	-	-	3,131	1,420	2,626
Blue runner	104	47	92	151	68	135	-	-	-	255	116	227
Bonito	32	15	69	38	17	59	-	-	-	70	32	128
Butterfish	442	200	420	7,187	3,260	5,531	-	-	-	7,629	3,460	5,951
Catfish & bullheads	12,978	5,887	6,779	-	-	-	-	-	-	12,978	5,887	6,779
Chubs	7	3	179	-	-	-	-	-	-	7	3	179
Cod:												
Atlantic	92	42	209	2,150	975	4,867	-	-	-	2,242	1,017	5,076
Pacific	65,700	29,801	28,578	398,253	180,646	90,151	-	-	-	463,953	210,448	118,729
Crevalle (jack)	457	207	419	14	6	11	-	-	-	471	214	430
Croaker:												
Atlantic	622	282	631	1,574	714	1,842	-	-	-	2,196	996	2,473
Pacific (white)	36	16	17	7	3	3	-	-	-	43	20	20
Cusk	3	1	2	43	20	28	-	-	-	46	21	30
Dolphinfish	188	85	592	1,143	518	3,689	385	175	1,331	1,716	778	5,612
Eel, American	488	221	21,407	16	7	36	-	-	-	504	229	21,443
Flatfish:												
Atlantic and Gulf												
American plaice	30	14	57	2,144	973	4,144	-	-	-	2,174	986	4,201
Summer flounder	1,148	521	4,001	7,916	3,591	26,016	-	-	-	9,064	4,111	30,017
Winter flounder	127	58	362	1,160	526	3,247	-	-	-	1,287	584	3,609
Witch flounder	21	10	36	1,743	791	3,051	-	-	-	1,764	800	3,087
Yellowtail flounder	54	24	54	853	387	871	-	-	-	907	411	925
Other	1,077	489	3,979	714	324	195	-	-	-	1,791	812	4,174
Total Atlantic/Gulf	**2,457**	**1,114**	**8,489**	**14,530**	**6,591**	**37,524**	**-**	**-**	**-**	**16,987**	**7,705**	**46,013**

(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, 2019 (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	185	84	17	71,804	32,570	7,247	-	-	-	71,989	32,654	7,264
Dover sole	511	232	222	11,704	5,309	5,147	-	-	-	12,215	5,541	5,369
Flathead sole	37	17	5	38,372	17,405	8,989	-	-	-	38,409	17,422	8,994
Petrale sole	570	259	676	5,039	2,286	6,178	-	-	-	5,609	2,544	6,854
Rock sole	25	11	2	57,898	26,262	13,239	-	-	-	57,923	26,274	13,241
Yellowfin sole	35	16	7	275,793	125,099	59,687	-	-	-	275,828	125,115	59,694
Other	374	170	1,523	57,600	26,127	15,738	-	-	-	57,974	26,297	17,261
Total Pacific	**1,737**	**788**	**2,452**	**518,210**	**235,059**	**116,225**	**-**	**-**	**-**	**519,947**	**235,846**	**118,677**
Halibut	8,708	3,950	35,004	16,099	7,302	64,816	-	-	-	24,807	11,252	99,820
Total flatfish	**12,902**	**5,852**	**45,945**	**548,839**	**248,952**	**218,565**	**-**	**-**	**-**	**561,741**	**254,804**	**264,510**
Goosefish (monkfish)	671	304	468	22,393	10,157	14,072	-	-	-	23,064	10,462	14,540
Groupers	293	133	1,579	4,735	2,148	22,277	-	-	-	5,028	2,281	23,856
Haddock	3,187	1,446	3,109	16,027	7,270	15,796	-	-	-	19,214	8,715	18,905
Hakes:												
Pacific (whiting)	-	-	-	684,741	310,596	64,399	-	-	-	684,741	310,596	64,399
Red	43	20	16	976	443	400	-	-	-	1,019	462	416
Silver (Atl. whiting)	420	191	330	11,095	5,033	8,326	-	-	-	11,515	5,223	8,656
White	8	4	12	4,312	1,956	4,619	-	-	-	4,320	1,960	4,631
Herring:												
Sea:												
Atlantic	4,767	2,162	1,797	26,237	11,901	8,727	-	-	-	31,004	14,063	10,524
Pacific	2,414	1,095	3,890	49,428	22,420	17,705	-	-	-	51,842	23,515	21,595
Thread	156	71	79	22	10	4	-	-	-	178	81	83
Jack mackerel	14	6	3	1,323	600	32	-	-	-	1,337	606	35
Lingcod	797	362	1,140	1,211	549	1,663	-	-	-	2,008	911	2,803
Mackerels:												
Atlantic	215	98	69	10,908	4,948	2,689	-	-	-	11,123	5,045	2,758
Chub	7,732	3,507	1,194	842	382	126	-	-	-	8,574	3,889	1,320
King and cero	628	285	1,533	5,265	2,388	11,507	-	-	-	5,893	2,673	13,040
Spanish	3,650	1,656	3,502	991	450	1,245	-	-	-	4,641	2,105	4,747

(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, 2019 (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	340,902	154,632	40,792	92,877	42,129	13,141		-		433,779	196,761	53,933
Gulf	1,073,081	486,746	102,217	971	440	151		-		1,074,052	487,187	102,368
Total menhaden	**1,413,983**	**641,378**	**143,009**	**93,848**	**42,569**	**13,292**	**-**	**-**	**-**	**1,507,831**	**683,948**	**156,301**
Mullets	7,402	3,358	4,972	133	60	95	-	-	-	7,535	3,418	5,067
Pollock:												
Atlantic	78	35	69	6,903	3,131	5,786	-	-	-	6,981	3,167	5,855
Walleye (Alaska)	28,402	12,883	3,639	3,324,193	1,507,844	383,962	-	-	-	3,352,595	1,520,727	387,601
Rockfishes:												
Ocean perch:												
Atlantic (redfish)	930	422	492	10,797	4,897	5,719	-	-	-	11,727	5,319	6,211
Pacific	851	386	180	140,172	63,582	29,267	-	-	-	141,023	63,968	29,447
Other	1,793	813	2,646	72,754	33,001	22,610	-	-	-	74,547	33,814	25,256
Total rockfishes	**3,574**	**1,621**	**3,318**	**223,723**	**101,480**	**57,596**	**-**	**-**	**-**	**227,297**	**103,101**	**60,914**
Sablefish	2,419	1,097	6,237	38,212	17,333	82,978	-	-	-	40,631	18,430	89,215
Salmon:												
Chinook or king	5,933	2,691	24,785	3,829	1,737	17,986	-	-	-	9,762	4,428	42,771
Chum or keta	59,319	26,907	33,545	56,482	25,620	28,003	-	-	-	115,801	52,527	61,548
Coho	10,926	4,956	17,126	15,842	7,186	12,824	-	-	-	26,768	12,142	29,950
Pink	77,083	34,965	22,986	318,860	144,634	83,535	-	-	-	395,943	179,599	106,521
Sockeye	10,594	4,805	18,250	279,399	126,735	448,211	-	-	-	289,993	131,540	466,461
Total salmon	**163,855**	**74,324**	**116,692**	**674,412**	**305,911**	**590,559**	**-**	**-**	**-**	**838,267**	**380,235**	**707,251**
Sardines:												
Pacific	554	251	82	20	9	3	-	-	-	574	260	85
Spanish	-	-		-	-		-	-	-	-	-	-
Scup or porgy	4,399	1,995	2,944	9,403	4,265	6,353	-	-	-	13,802	6,261	9,297
Sea bass:												
Black (Atlantic)	917	416	2,949	2,886	1,309	9,712	-	-	-	3,803	1,725	12,661
White (Pacific)	53	24	242	107	49	492	-	-	-	160	73	734
Sea trout or weakfish:												
Gray	80	36	142	108	49	195	-	-	-	188	85	337
Spotted	544	247	1,374	30	14	74	-	-	-	574	260	1,448
Sand (white)	14	6	17	6	3	3	-	-	-	20	9	20

(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, 2019 (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	162	73	219	109	49	13	-	-	-	271	123	232
Hickory	138	63	53	-	-	-	-	-	-	138	63	53
Sharks:												
Dogfish	4,002	1,815	816	15,524	7,042	3,293	-	-	-	19,526	8,857	4,109
Other	209	95	133	2,179	988	2,307	76	34	78	2,464	1,118	2,518
Sheepshead (Atlantic)	1,453	659	1,072	106	48	112	-	-	-	1,559	707	1,184
Skates	3,730	1,692	1,073	49,663	22,527	8,432	-	-	-	53,393	24,219	9,505
Smelts	337	153	252	105	48	67	-	-	-	442	200	319
Snappers:												
Red	1,015	460	3,538	6,478	2,938	28,720	-	-	-	7,493	3,399	32,258
Vermilion	374	170	3,008	1,911	867	6,026	-	-	-	2,285	1,036	9,034
Unclassified	711	323	2,472	2,196	996	7,857	-	-	-	2,907	1,319	10,329
Spearfish	18	8	13	1,278	580	993	2,521	1,144	2,010	3,817	1,731	3,016
Spot	1,027	466	1,869	507	230	922	-	-	-	1,534	696	2,791
Striped bass	4,112	1,865	15,243	80	36	264	-	-	-	4,192	1,901	15,507
Swordfish	488	221	1,296	3,143	1,426	9,615	1,687	765	4,385	5,318	2,412	15,296
Tenpounder (ladyfish)	1,245	565	984	14	6	10	-	-	-	1,259	571	994
Tilefish	139	63	510	2,418	1,097	8,274	-	-	-	2,557	1,160	8,784
Trout, rainbow	41	19	104	-	-	-	-	-	-	41	19	104
Tuna:												
Albacore	432	196	771	16,533	7,499	27,560	2,712	1,230	4,608	19,677	8,925	32,939
Bigeye	82	37	351	4,927	2,235	19,889	23,337	10,586	58,571	28,346	12,858	78,811
Bluefin	134	61	206	2,672	1,212	10,446	-	-	-	2,806	1,273	10,652
Little tunny	70	32	48	396	180	232	-	-	-	466	211	280
Skipjack	21	10	19	330	150	391	382,312	173,416	210,075	382,663	173,575	210,485
Yellowfin	407	185	1,048	4,736	2,148	14,662	86,910	39,422	57,881	92,053	41,755	73,591
Unclassified	13	6	26	97	44	150	11	5	65	121	55	241
Total tuna	**1,159**	**526**	**2,469**	**29,691**	**13,468**	**73,330**	**495,282**	**224,658**	**331,200**	**526,132**	**238,652**	**406,999**
Whitefish, lake	5,161	2,341	8,700	-	-	-	-	-	-	5,161	2,341	8,700
Wolffish, Atlantic		-			-			-		-	-	-
Yellow perch	1,677	761	3,449	1	-	1	-	-	-	1,678	761	3,450
Other marine finfishes	53,896	24,447	69,343	12,928	5,864	15,829	4,056	1,840	8,320	70,880	32,151	93,492
Other freshwater		-			-			-		-	-	-
finfishes	11,350	5,148	4,606	64	29	17	-	-	-	11,414	5,177	4,623
Total finfish	**1,860,296**	**843,825**	**534,093**	**6,434,229**	**2,918,547**	**1,861,615**	**504,007**	**228,616**	**347,324**	**8,798,532**	**3,990,988**	**2,743,032**

(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, 2019 (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	137,210	62,238	191,985	5,569	2,526	7,325	-	-	-	142,779	64,764	199,310
Soft or peeler	737	334	2,075	-	-	3	-	-	-	737	334	2,078
Dungeness	55,000	24,948	198,975	6,368	2,889	21,968	-	-	-	61,368	27,836	220,943
Jonah	4,655	2,111	3,796	11,333	5,141	9,307	-	-	-	15,988	7,252	13,103
King	1,042	473	5,249	9,776	4,434	62,312	-	-	-	10,818	4,907	67,561
Snow (tanner):												
Opilio	-	-	-	27,260	12,365	82,267	-	-	-	27,260	12,365	82,267
Bairdi	1,729	784	6,180	1,466	665	5,141	-	-	-	3,195	1,449	11,321
Other	3,994	1,812	20,892	5,794	2,628	18,220	-	-	-	9,788	4,440	39,112
Total crabs	**204,367**	**92,700**	**429,152**	**67,566**	**30,648**	**206,543**	**-**	**-**	**-**	**271,933**	**123,348**	**635,695**
Crawfish, freshwater	8,465	3,840	11,663	-	-	-	-	-	-	8,465	3,840	11,663
Lobsters:												
American	76,180	34,555	377,886	49,648	22,520	250,814	-	-	-	125,828	57,075	628,700
Spiny	3,027	1,373	26,370	1,466	665	13,329	-	-	-	4,493	2,038	39,699
Shrimp:												
New England	-	-	-	-	-	-		-		-	-	-
South Atlantic	11,626	5,274	27,310	15,658	7,102	40,053		-		27,284	12,376	67,363
Gulf	81,899	37,149	127,415	95,930	43,514	227,459		-		177,829	80,663	354,874
Pacific	11,932	5,412	12,959	30,423	13,800	31,269		-		42,355	19,212	44,228
Other	269	122	414	318	144	558		-		587	266	972
Total shrimp	**105,726**	**47,957**	**168,098**	**142,329**	**64,560**	**299,339**	**-**	**-**	**-**	**248,055**	**112,517**	**467,437**
Total crustaceans	**397,765**	**180,425**	**1,013,169**	**261,009**	**118,393**	**770,025**	**-**	**-**	**-**	**658,774**	**298,818**	**1,783,194**
Mollusks:												
Clams:												
Quahog (hard)	6,763	3,068	47,582	54	24	738	-	-	-	6,817	3,092	48,320
Geoduck (Pacific)	2,611	1,184	63,044	-	-	-	-	-	-	2,611	1,184	63,044
Manila (Pacific)	1,110	503	21,897	-	-	-	-	-	-	1,110	503	21,897

(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, 2019 (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
Ocean quahog	1,466	665	1,547	23,224	10,534	21,251	-	-	-	24,690	11,199	22,798
Softshell	2,382	1,080	24,674	96	44	1,096	-	-	-	2,478	1,124	25,770
Surf (Atlantic)	7,690	3,488	7,167	28,949	13,131	23,502	-	-	-	36,639	16,619	30,669
Other	1,342	609	5,774	1	-	9	-	-	-	1,343	609	5,783
Total clams	**23,364**	**10,598**	**171,685**	**52,324**	**23,734**	**46,596**	**-**	**-**	**-**	**75,688**	**34,332**	**218,281**
Conch (snails)	1,893	859	9,526	138	63	645	-	-	-	2,031	921	10,171
Mussels, blue (sea)	2,538	1,151	12,260	98	44	170	-	-	-	2,636	1,196	12,430
Oysters	27,455	12,454	250,976	267	121	2,236	-	-	-	27,722	12,575	253,212
Scallops:												
Bay	117	53	2,044	8	4	82	-	-	-	125	57	2,126
Sea	761	345	7,449	59,908	27,174	562,417	-	-	-	60,669	27,519	569,866
Squid:												
Atlantic:												
Illex	915	415	402	58,965	26,746	27,595	-	-	-	59,880	27,161	27,997
Loligo	3,092	1,403	5,047	24,333	11,037	37,782	-	-	-	27,425	12,440	42,829
Unclassified	29	13	50	190	86	69	-	-	-	219	99	119
Pacific:												
Loligo	25,756	11,683	12,762	6,604	2,996	3,557	-	-	-	32,360	14,678	16,319
Unclassified		-			-			-		-	-	-
Total squid	**29,792**	**13,514**	**18,261**	**90,092**	**40,865**	**69,003**	**-**	**-**	**-**	**119,884**	**54,379**	**87,264**
Total mollusks	**85,920**	**38,973**	**472,201**	**202,835**	**92,005**	**681,149**	**-**	**-**	**-**	**288,755**	**130,978**	**1,153,350**
Other shellfish	**8,032**	**3,643**	**17,300**	**4,091**	**1,856**	**1,315**	**-**	**-**	**-**	**12,123**	**5,499**	**18,615**
Total shellfish	**491,717**	**223,041**	**1,502,670**	**467,935**	**212,254**	**1,452,489**	**-**	**-**	**-**	**959,652**	**435,295**	**2,955,159**
Other												
Horseshoe crab	2,241	1,017	1,743	390	177	317	-	-	-	2,631	1,193	2,060

(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, 2019 (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
Sea urchins	4,721	2,141	11,748	956	434	2,063	-	-	-	5,677	2,575	13,811
Seaweed, unclassified	16,598	7,529	687	1,928	875	184	-	-	-	18,526	8,403	871
Kelp (with herring eggs)	-	-	-	-	-	-	-	-	-	-	-	-
Worms	602	273	7,869	-	-	-	-	-	-	602	273	7,869
Total other	**24,162**	**10,960**	**22,047**	**3,274**	**1,485**	**2,564**	**-**	**-**	**-**	**27,436**	**12,445**	**24,611**
Grand total, 2019	**2,376,175**	**1,077,826**	**2,058,810**	**6,905,438**	**3,132,286**	**3,316,668**	**504,007**	**228,616**	**347,324**	**9,785,620**	**4,438,728**	**5,722,802**
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**

(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, 2019 (1)

Group / Species	American Samoa			Guam			Northern Marianas Islands		
	Pounds	Kilos	Dollars	Pounds	Kilos	Dollars	Pounds	Kilos	Dollars
Fish									
Barracudas	960	435	2,981	1,354	614	3,044	120	54	360
Billfishes:									
Marlin	898	407	3,144	25,404	11,523	44,262	604	274	1,488
Sailfish	1,225	556	4,734	915	415	1,559	-	-	-
Swordfish	5,188	2,353	17,192	-	-	-	-	-	-
Spearfish	17,861	8,102	29,886	-	-	-	-	-	-
Dolphinfish	2,229	1,011	6,270	41,805	18,963	102,330	20,240	9,181	54,680
Emperors	5,070	2,300	15,983	3,169	1,437	9,666	1,527	693	4,258
Goatfish	35	16	107	175	79	803	1,018	462	2,874
Groupers	3,191	1,447	9,884	954	433	3,352	188	85	525
Jacks:									
Amberjack	-	-	-	219	99	814	815	370	3,255
Bigeye scad	13	6	44	12,218	5,542	36,753	1,423	645	4,496
Black jack	882	400	2,843	-	-	-	149	68	548
Rainbow runner	51	23	167	1,936	878	4,379	571	259	1,521
Other	1,279	580	4,048	1,074	487	3,214	940	426	3,073
Parrotfishes	13,067	5,927	40,736	5,489	2,490	19,258	3,684	1,671	14,859
Rabbitfish	5	2	14	1,348	611	6,214	1,912	867	6,724
Snappers:									
Blue lined snapper	764	347	2,446	-	-	-	183	83	468
Ehu	854	387	2,815	135	61	578	929	421	4,953
Gindai (flower snapper)	79	36	250	232	105	985	1,035	469	5,099
Gray jobfish	2,367	1,074	7,726	300	136	974	462	210	1,332
Humpback	2,901	1,316	9,325	-	-	-	-	-	-
Lehi (silverjaw)	1,818	825	5,941	608	276	2,555	2,164	982	8,790
Onaga	702	318	2,842	504	229	3,441	8,157	3,700	58,726
Opakapaka	372	169	1,787	202	92	860	390	177	1,751
Snappers, other	942	427	3,120	723	328	2,518	853	387	3,103
Total snappers	**10,799**	**4,899**	**36,252**	**2,704**	**1,227**	**11,911**	**14,173**	**6,429**	**84,222**
Squirrelfish	1,905	864	5,877	17	8	51	450	204	1,284
Surgeonfishes:									
Unicornfishes	6,826	3,096	20,466	6,029	2,735	20,056	-	-	-
Other	29,116	13,207	87,340	859	390	2,374	3,741	1,697	10,254
Tunas:									
Albacore	2,244,536	1,018,115	3,630,414	-	-	-	-	-	-
Bigeye	64,058	29,057	32,748	-	-	-	-	-	-
Skipjack	178,233	80,846	167,627	39,311	17,831	86,452	123,610	56,069	318,821
Yellowfin	403,632	183,086	305,507	12,335	5,595	30,570	11,819	5,361	32,624
Other	4,156	1,885	9,864	4,316	1,958	10,337	12,292	5,576	29,302
Total, tuna	**2,894,615**	**1,312,989**	**4,146,160**	**55,962**	**25,384**	**127,359**	**147,721**	**67,006**	**380,747**
Wahoo	42,047	19,072	54,964	11,813	5,358	29,696	336	152	1,045
Wrasses	40	18	131	-	-	-	-	-	-
Other marine finfishes	15,879	7,203	45,887	20,758	9,416	64,599	13,807	6,263	37,656
Total fish	**3,053,181**	**1,384,913**	**4,535,110**	**194,202**	**88,089**	**491,694**	**213,419**	**96,806**	**613,869**
Shellfish, et al.									
Crabs	-	-	-	-	-	-	-	-	-
Lobster, spiny	1,207	547	3,830	29	13	125	475	215	7,067
Octopus	75	34	225	1,118	507	4,049	374	170	1,132
Shelfish, other	-	-	-	1,632	740	1,632	286	130	2,928
Total shellfish, et al.	**1,282**	**581**	**4,055**	**2,779**	**1,260**	**5,806**	**1,135**	**515**	**11,127**
Grand Total	**3,054,463**	**1,385,495**	**4,539,165**	**196,981**	**89,350**	**497,500**	**214,554**	**97,321**	**624,996**

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

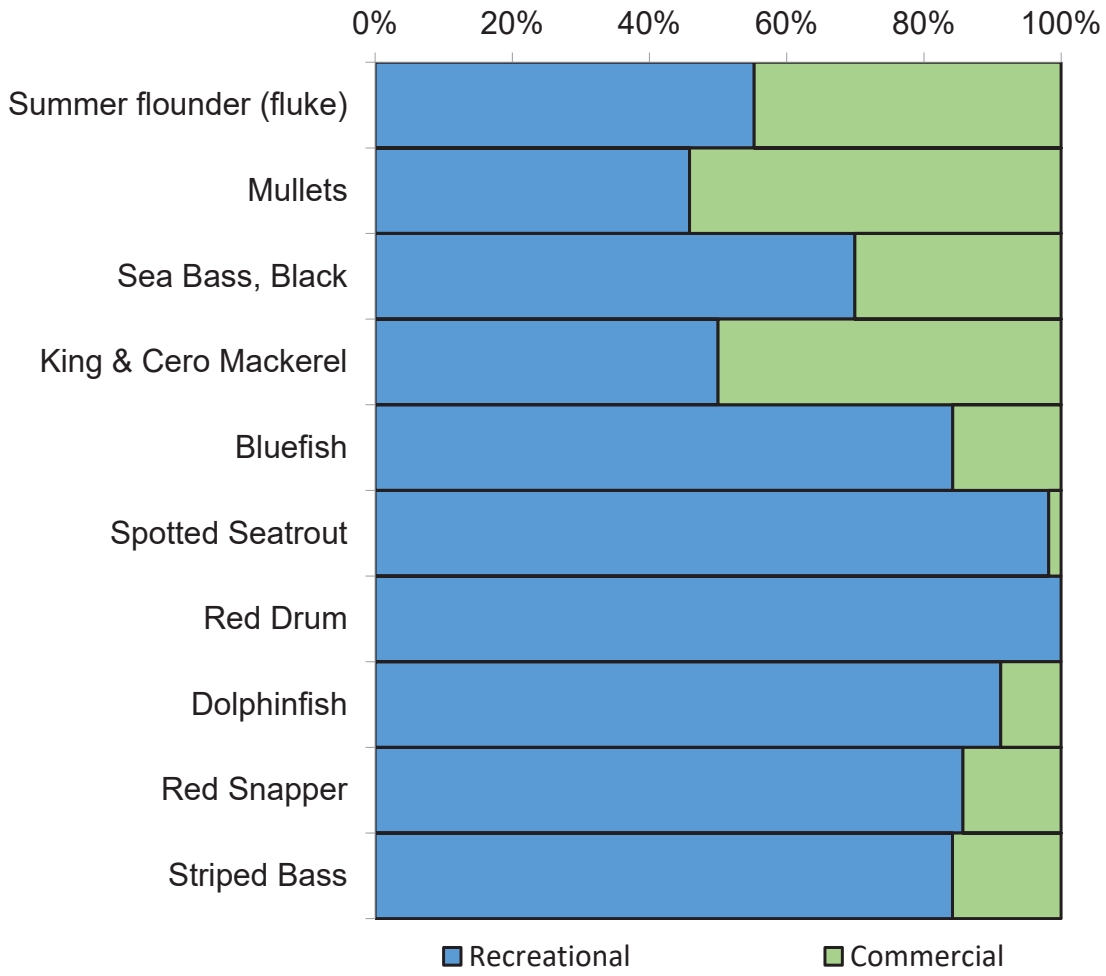
DOMESTIC LANDINGS FOR U.S. TERRITORIAL POSSESSIONS, 2019

Group / Species	Puerto Rico (1)			U.S. Virgin Islands (1)		
	Pounds	Kilos	Dollars	Pounds	Kilos	Dollars
Fish						
Ballyhoo	43,814	19,874	125,986	1,752	795	9,240
Barracuda	1,132	513	2,568	966	438	4,778
Dolphinfish	93,805	42,550	391,330	19,954	9,051	136,023
Goatfish	2,773	1,258	7,636	793	359	4,472
Groupers:						
Red hind	32,598	14,786	104,524	24,213	10,983	147,033
Misty	5,061	2,296	22,360	-	-	-
Other	8,486	3,849	34,152	9,137	4,144	54,594
Grunts	17,471	7,925	33,599	25,985	11,787	151,000
Hogfish	39,499	17,917	159,533	2,885	1,308	17,307
Jacks:						
Bar jack	28,526	12,939	226,116	5,421	2,459	30,823
Horse-eye jack	1,746	792	2,719	-	-	-
Other	12,380	5,616	33,199	24,470	11,100	146,911
Mackerel, king and cero	47,064	21,348	145,643	6,438	2,920	38,595
Mojarra	7,107	3,224	11,626	-	-	-
Mullet	7,435	3,372	12,406	-	-	-
Parrotfish	24,516	11,120	50,933	27,676	12,554	144,693
Scup or porgy	11,189	5,075	21,321	7,214	3,272	43,169
Sharks, other	10,171	4,614	16,137	372	169	1,117
Snappers:						
Lane	86,739	39,345	269,075	3,592	1,629	21,984
Mutton	26,107	11,842	88,144	4,535	2,057	27,943
Silk	215,809	97,890	1,314,603	3,544	1,608	21,887
Yellowtail	106,713	48,405	361,602	23,545	10,680	145,661
Other	160,605	72,850	1,008,248	10,117	4,589	64,049
Total snappers	**595,973**	**270,332**	**3,041,672**	**45,333**	**20,563**	**281,524**
Snook	17,169	7,788	57,353	-	-	-
Squirrelfish	1,768	802	3,659	6,573	2,982	29,147
Surgeonfish	-	-	-	12,974	5,885	73,935
Triggerfish	38,541	17,482	73,088	46,644	21,158	270,402
Trunkfish (boxfish)	29,504	13,383	84,752	6,080	2,758	13,009
Tuna:						
Albacore	350	159	1,190	-	-	-
Blackfin	20,238	9,180	47,082	300	136	1,900
Little (tunny)	23,544	10,679	73,057	8,512	3,861	53,595
Skipjack	15,063	6,833	29,349	-	-	-
Yellowfin	3,979	1,805	19,089	-	-	-
Unclassified	2,948	1,337	15,629	11,592	5,258	72,257
Total tuna	**66,122**	**29,993**	**185,396**	**20,404**	**9,255**	**127,752**
Wahoo	14,568	6,608	61,878	9,230	4,186	60,964
Other marine finfishes	25,290	11,471	57,431	31,641	14,352	167,274
Total fish	**1,183,708**	**536,927**	**4,967,017**	**336,155**	**152,478**	**1,953,762**
Shellfish, et al.						
Crabs	2,747	1,246	37,036	1,479	671	7,413
Lobster, spiny	330,016	149,694	2,250,000	97,678	44,306	863,902
Conch (snail) meats	136,058	61,716	862,634	14,987	6,798	96,357
Octopus	14,760	6,695	68,395	-	-	-
Shellfish, other	3,246	1,472	11,670	3,064	1,390	87,506
Total shellfish, et al.	**486,827**	**220,823**	**3,229,735**	**117,208**	**53,165**	**1,055,178**
Grand Total	**1,670,535**	**757,750**	**8,196,752**	**453,363**	**205,643**	**3,008,940**

(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. Commercial data reported here includes only landings not dead discards.

Selected Recreational Species Harvest vs. Commercial Landings, 2019



Top Recreational and Commercial Finfish Species, by Coast, 2019 (Thousands of Pounds)

Atlantic Coast

Rank	Species	Commercial	Recreational	Total Landings
1	Striped Bass	4,192	23,715	27,908
2	Bluefish	3,021	15,556	18,577
3	Scup	13,778	14,116	27,894
4	Dolphinfish	642	9,487	10,129
5	Black Sea Bass	3,683	9,152	12,836
6	Spotted Sea Trout	527	8,377	8,904
7	Summer flounder (fluke)	9,063	7,874	16,937
8	Tautog	405	7,816	8,222
9	Catfish	7,985	7,230	15,216
10	King and Cero Mackerel	3,189	7,173	10,361

Gulf Coast

Rank	Species	Commercial	Recreational	Total Landings
1	Red snapper	3,414	13,205	16,619
2	Spanish Mackerel	883	10,587	11,470
3	Red Drum	76	7,641	7,717
4	Spotted Sea Trout	42	6,862	6,904
5	Sardine	-	6,119	6,119
6	Snappers	2,453	5,958	8,410
7	Mullets	4,885	4,662	9,548
8	King and Cero Mackerel	1,568	4,007	5,574
9	Little Tunny	29	3,932	3,961
10	Dolphinfish	74	3,567	3,642

West Coast

Rank	Species	Commercial	Recreational	Total Landings
1	Unspecified rockfishes	36,395	4,902	41,297
2	Albacore Tuna	16,559	3,006	19,565
3	Lingcod	1,507	1,446	2,952
4	Halibut	1,626	1,226	2,852
5	Chinook Salmon	6,304	966	7,270
6	Coho Salmon	1,034	689	1,723
7	Ocean Whitefish	22	376	398
8	Bocaccio	962	330	1,293
9	Chub Mackerel	8,513	306	8,820
10	California Scorpionfish	3	267	270

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, 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 2018 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. 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. Some totals are estimated based on the information available.

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 cenus 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 2018, estimated freshwater plus marine U.S. aquaculture production was 680 million pounds with a value of $1.5 billion. This reflects an increase of 49.1 million pounds (7.8%) from 2017. Freshwater aquaculture production increased 39.7 million pounds (7.3%) from 2017. In 2018, marine aquaculture production increased by 9.4 million pounds (10.7%). The value of marine production increased by $8.4 million (2.0%). Freshwater production is primarily composed of catfish (350.3 million pounds), crawfish (160.2 million pounds), and trout (49.3 million pounds). Atlantic salmon is the leading species for marine finfish aquaculture (estimated 36.4 million pounds), while oysters have the highest volume (44.7 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 ($134.5 and $120.7 million, respectively), while the Gulf states produce more by volume (28.7 million pounds).

The FAO estimates that about half of world seafood production comes from aquaculture. By far, Asia is the leading continent for aquaculture production. Asia produces about 91 percent of the global aquaculture production, which totals 114.5 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 (29.2 million metric tons), tilapias (6.0 million metric tons), and salmon (3.6 million metric tons) are the finfish species groups with the greatest production. Clams (5.6 million metric tons), oysters (6.0 million metric tons), and shrimp (6.0 million metric tons) are the shellfish species groups with the most production.

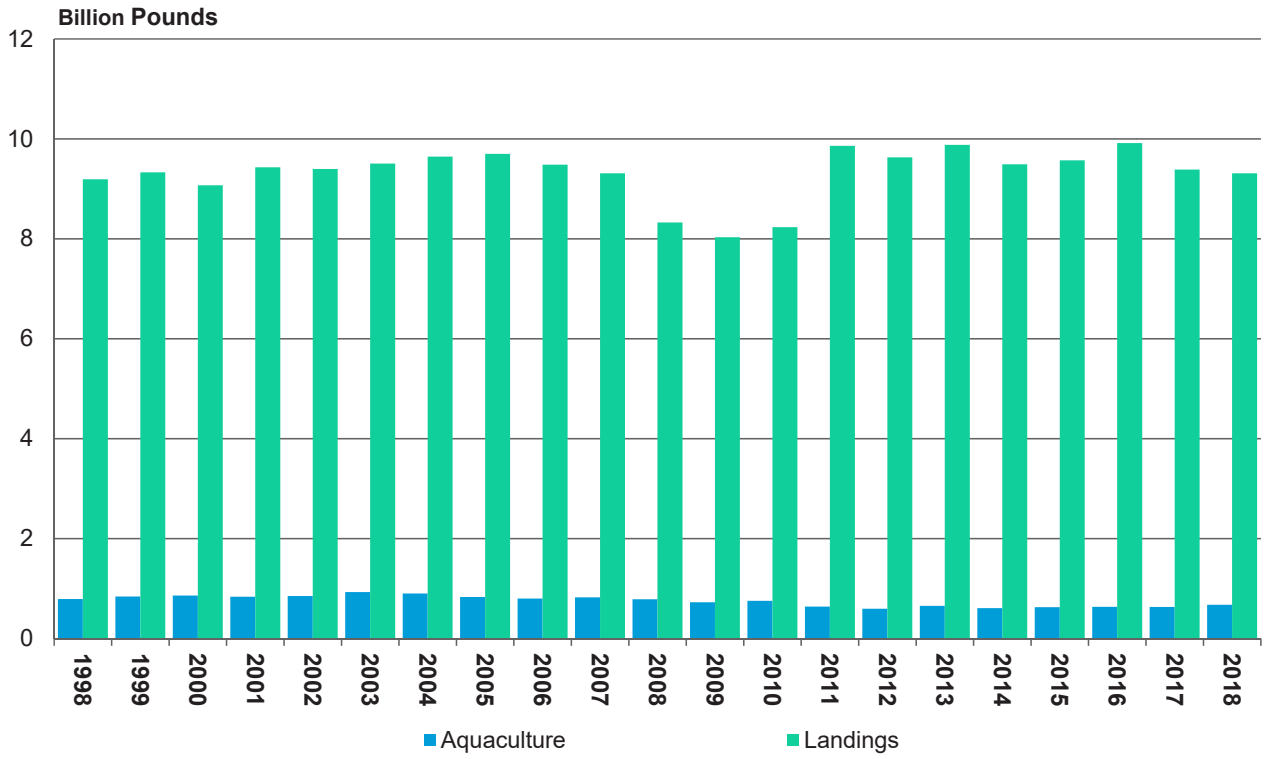
Aquatic plant farming, primarily seaweed (macroalgae), also represents a significant sector of global aquaculture production (32.4 million metric tons, valued at $13.3 billion in 2018). In the U.S., seaweed farming is emerging as an important growth industry. Total U.S. farmed seaweed production wet weight and value was estimated to be 69,053 lbs and $68,698 in 2017 and grew to an estimated 159,951 lbs and $114,072 in 2018, which represents an annual increase in production of 132%. While production numbers are small because the industry is just now establishing, seaweed farming shows promise to become an important contributor to U.S. global competitiveness in seafood production.

ESTIMATED U.S. AQUACULTURE PRODUCTION, 2013 - 2018						
Species	2013			2014		
	Thousand pounds	Metric tons	Thousand dollars	Thousand pounds	Metric tons	Thousand dollars
Freshwater:						
Catfish	358,380	154,296	354,337	307,498	139,480	331,963
Striped bass	7,444	3,590	34,987	8,110	3,679	31,142
Tilapia	18,428	10,433	40,049	18,999	8,618	42,745
Trout	44,496	16,432	71,869	48,456	21,979	76,206
Crawfish	106,924	43,437	144,347	134,168	60,858	172,071
Total Freshwater	**535,672**	**228,188**	**645,588**	**517,231**	**234,615**	**654,128**
Marine:						
Salmon	41,593	18,866	104,709	41,268	18,719	76,186
Clams	9,533	4,324	122,150	10,405	4,324	120,727
Mussels	699	317	9,804	699	317	9,861
Oysters	35,243	15,986	157,272	33,323	15,986	168,991
Shrimp	3,355	1,522	7,108	4,870	1,522	10,316
Total Marine	**90,422**	**41,015**	**401,043**	**90,565**	**40,868**	**386,081**
Miscellaneous	-	-	289,181	-	-	291,717
Totals	**626,094**	**269,203**	**1,335,812**	**607,796**	**275,482**	**1,331,926**
Species	**2015**			**2016**		
	Thousand pounds	Metric tons	Thousand dollars	Thousand pounds	Metric tons	Thousand dollars
Freshwater:						
Catfish	317,445	143,992	347,021	320,174	145,230	363,075
Striped bass	8,111	3,679	30,831	10,322	4,682	37,737
Tilapia	18,999	8,618	42,745	18,999	8,618	42,745
Trout	45,854	20,799	76,748	48,451	21,977	79,558
Crawfish	140,411	63,690	199,350	149,015	67,593	196,695
Total Freshwater	**530,820**	**240,778**	**696,695**	**546,961**	**248,100**	**719,810**
Marine:						
Salmon	47,528	21,559	87,743	35,682	16,185	67,654
Clams	9,086	4,121	112,139	9,722	4,410	137,793
Mussels	717	325	10,201	894	406	10,476
Oysters	35,229	15,980	172,778	36,601	16,602	192,328
Shrimp	3,979	1,805	11,137	3,600	1,633	10,075
Total Marine	**96,539**	**43,790**	**393,998**	**86,499**	**39,236**	**418,327**
Miscellaneous	-	-	302,774	-	-	315,944
Totals	**627,359**	**284,568**	**1,393,468**	**633,460**	**287,336**	**1,454,081**
Species	**2017**			**2018**		
	Thousand pounds	Metric tons	Thousand dollars	Thousand pounds	Metric tons	Thousand dollars
Freshwater:						
Catfish	330,428	149,881	355,218	350,343	158,915	341,915
Striped bass	9,901	4,491	36,198	8,688	3,941	32,800
Tilapia	18,999	8,618	42,745	14,436	6,548	37,986
Trout	43,750	19,845	83,151	49,316	22,370	95,856
Crawfish	140,270	63,626	189,606	160,235	72,682	210,595
Total Freshwater	**543,348**	**246,461**	**706,918**	**583,018**	**264,455**	**719,152**
Marine:						
Salmon	32,375	14,685	61,383	36,355	16,491	66,536
Clams	9,003	4,084	129,125	10,778	4,889	122,119
Mussels	878	398	10,395	862	391	9,883
Oysters	41,945	19,026	210,944	44,729	20,289	219,234
Shrimp	3,600	1,633	10,075	4,486	2,035	12,556
Total Marine	**87,801**	**39,826**	**421,922**	**97,210**	**44,094**	**430,328**
Miscellaneous	-	-	367,823	-	-	374,749
Totals	**631,149**	**286,287**	**1,496,663**	**680,229**	**308,550**	**1,524,229**

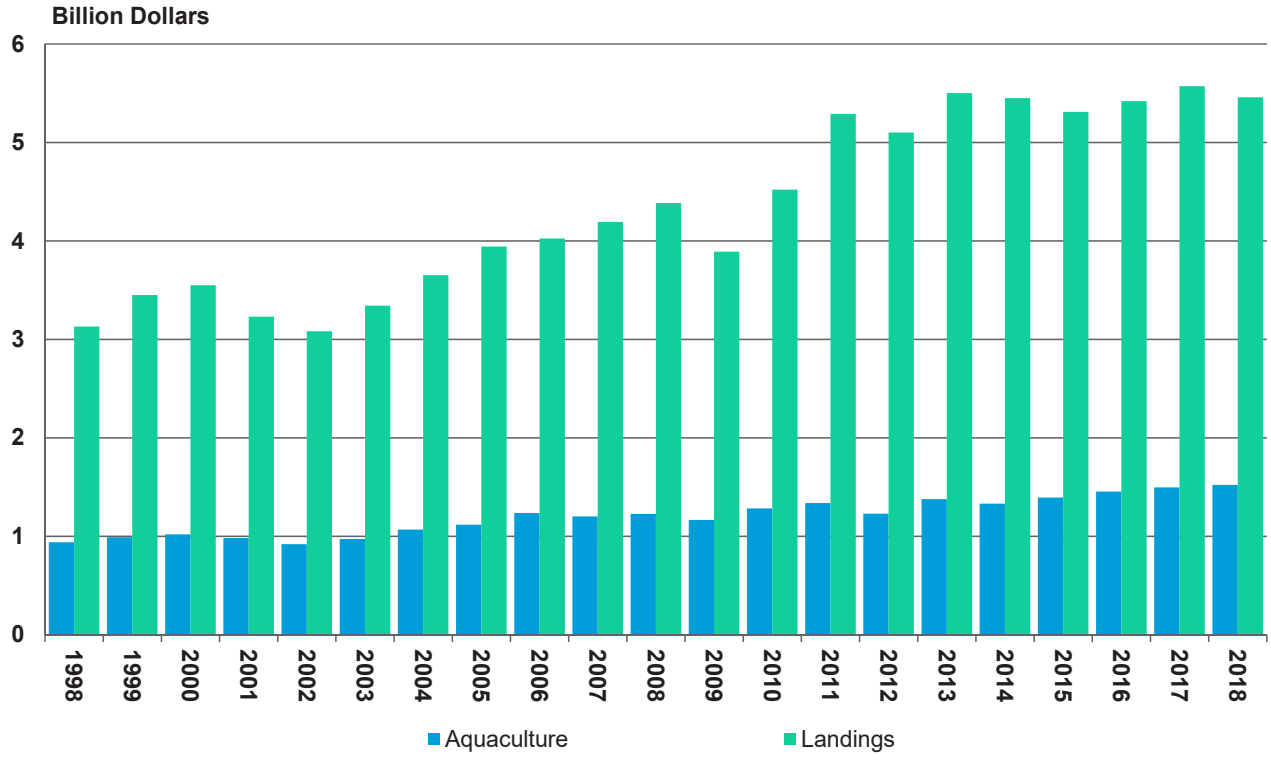
Note: Table may not add due to rounding. Clams, oysters, and mussels are reported as meat weights (excludes shell), while all other species such as shrimp and finfishes are reported as whole (live) weights. Some clam and oyster production is reported with U.S. commercial landings. Weights and values 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.

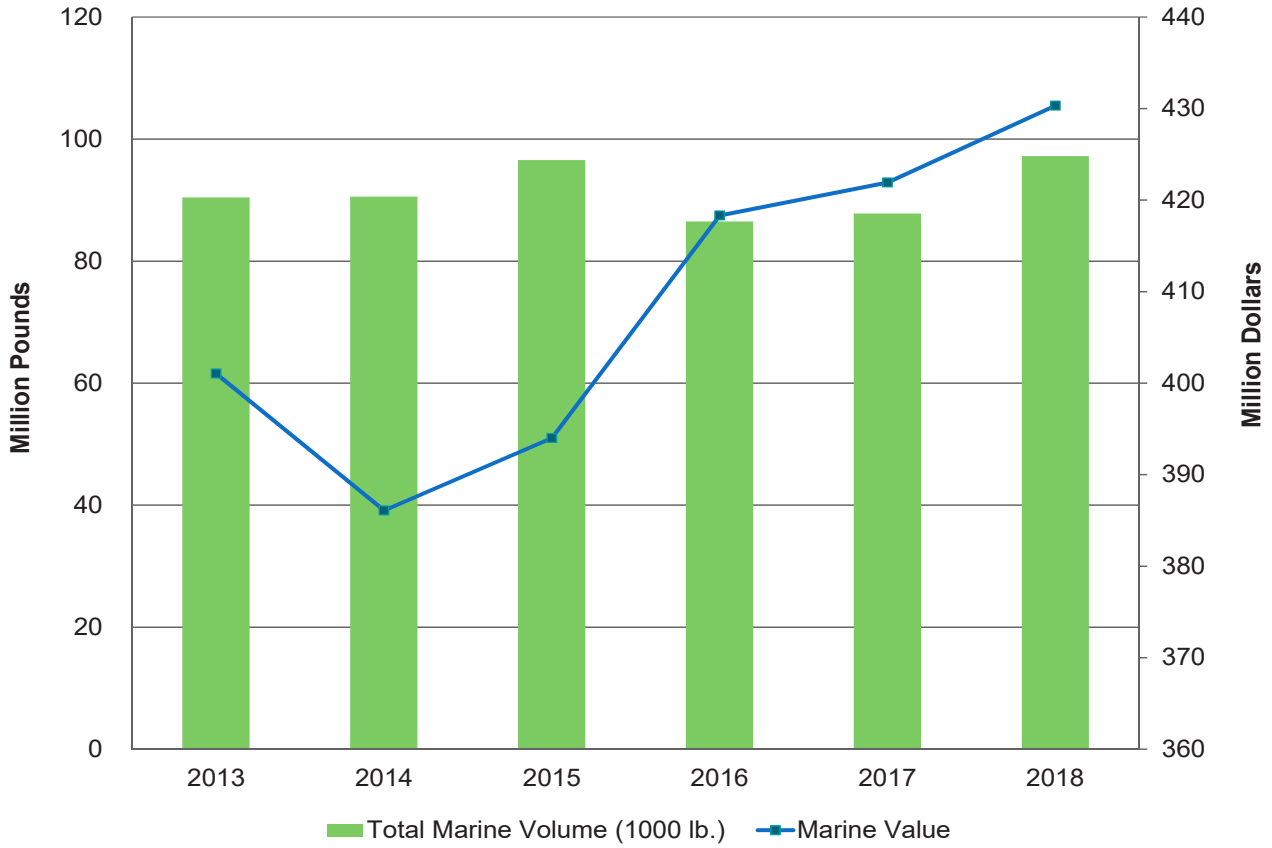
Volume of Domestic Commercial Landings and Aquaculture Production



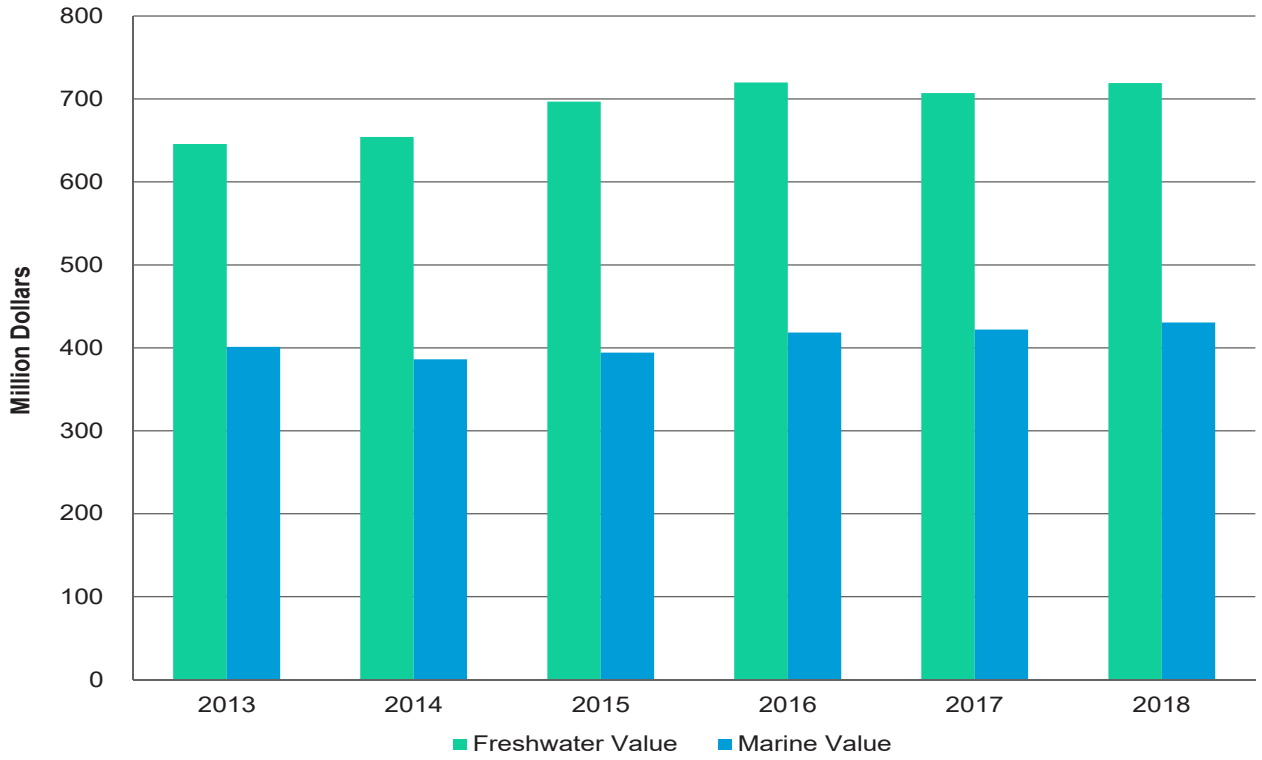
Value of Domestic Commercial Landings and Aquaculture Production



Estimated Marine Aquaculture Production Value and Volume, 2013-2018

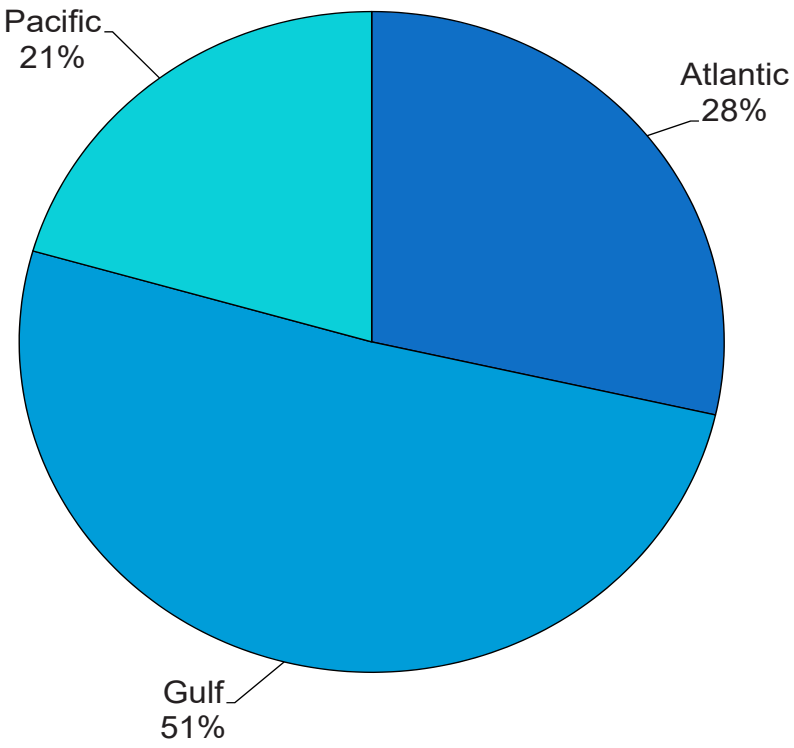


Estimated Value of Freshwater and Marine Aquaculture, 2013-2018

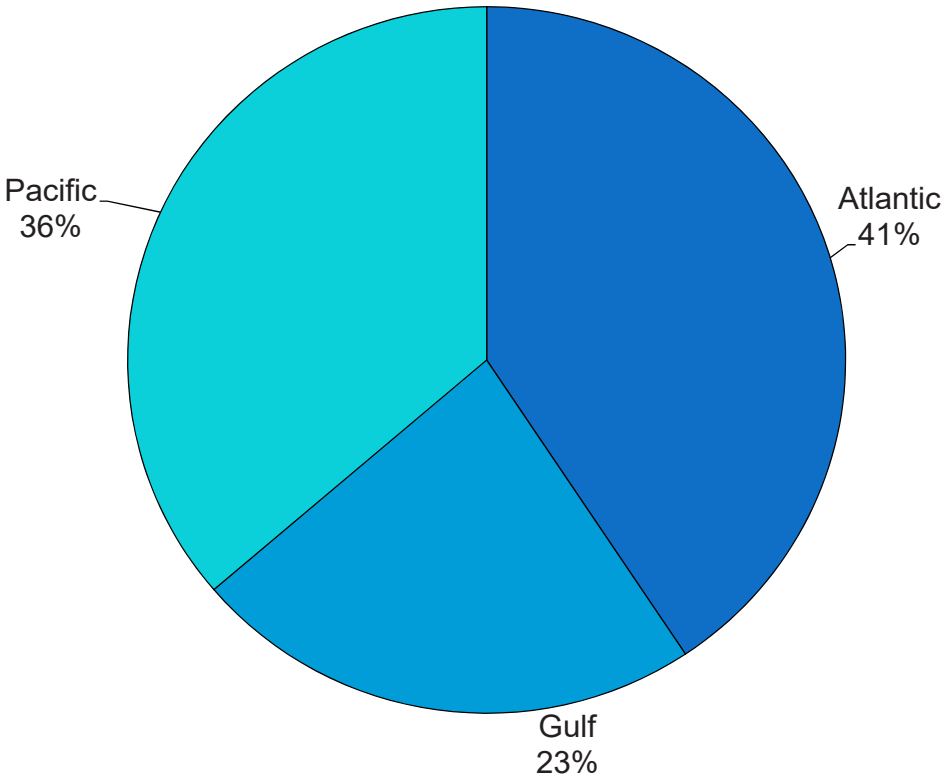


Note: Total marine + freshwater does not match the summary chart on p. 27 because the "Miscellaneous" category has been excluded from this graph.

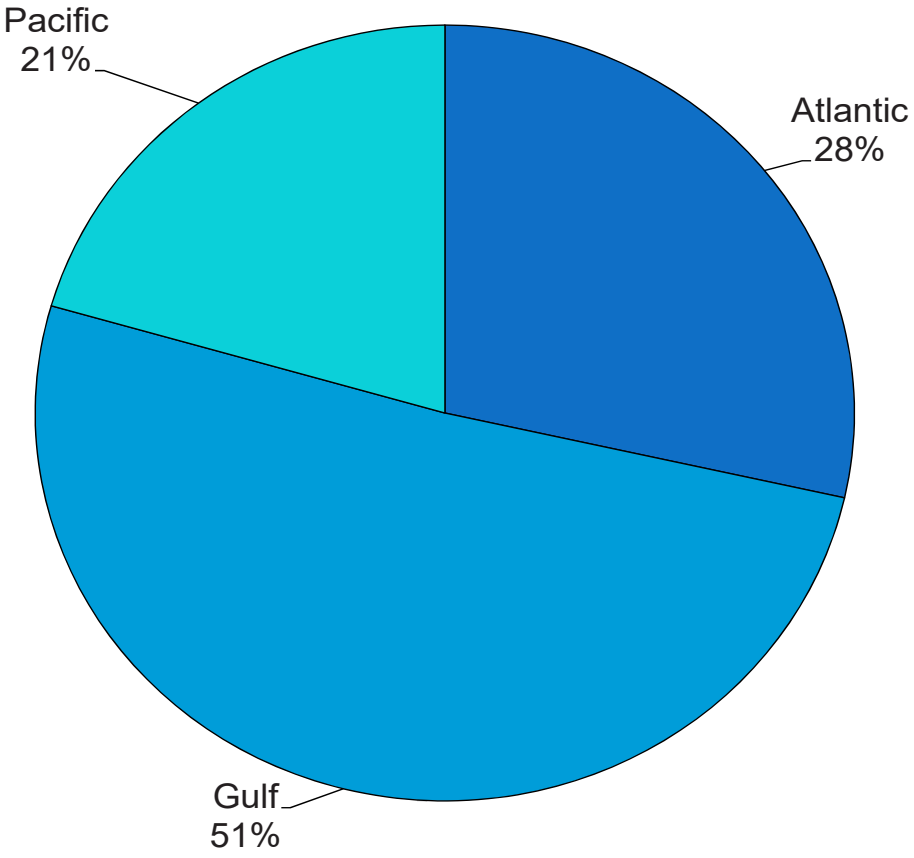
Estimated U.S. Marine Aquaculture Production by Region, by Volume, 2018



Estimated U.S. Marine Aquaculture Production by Region, by Value, 2018



Estimated Shellfish Aquaculture Production, by Volume, 2018



ESTIMATED SHELLFISH VOLUME AND VALUE BY REGION, 2018

Region	Total Shellfish Volume (pounds)	Total Shellfish Value (1000 $)
Atlantic	16,072,660	134,467
Gulf	28,714,293	96,023
Pacific	11,581,299	120,746

Note: Volume is reported in meat weight.

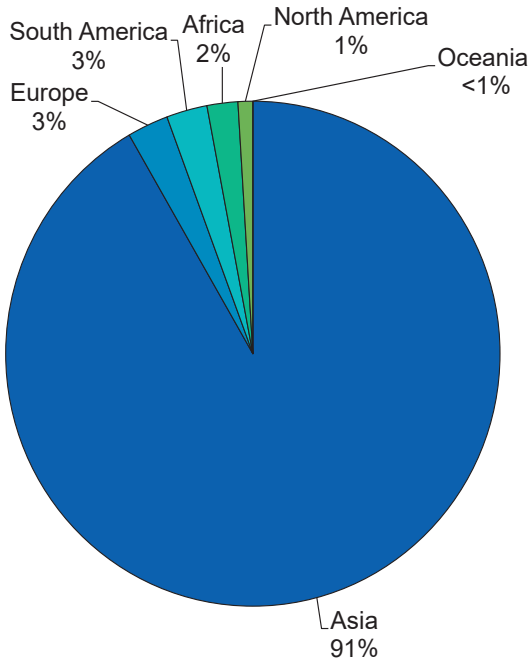
Aquaculture

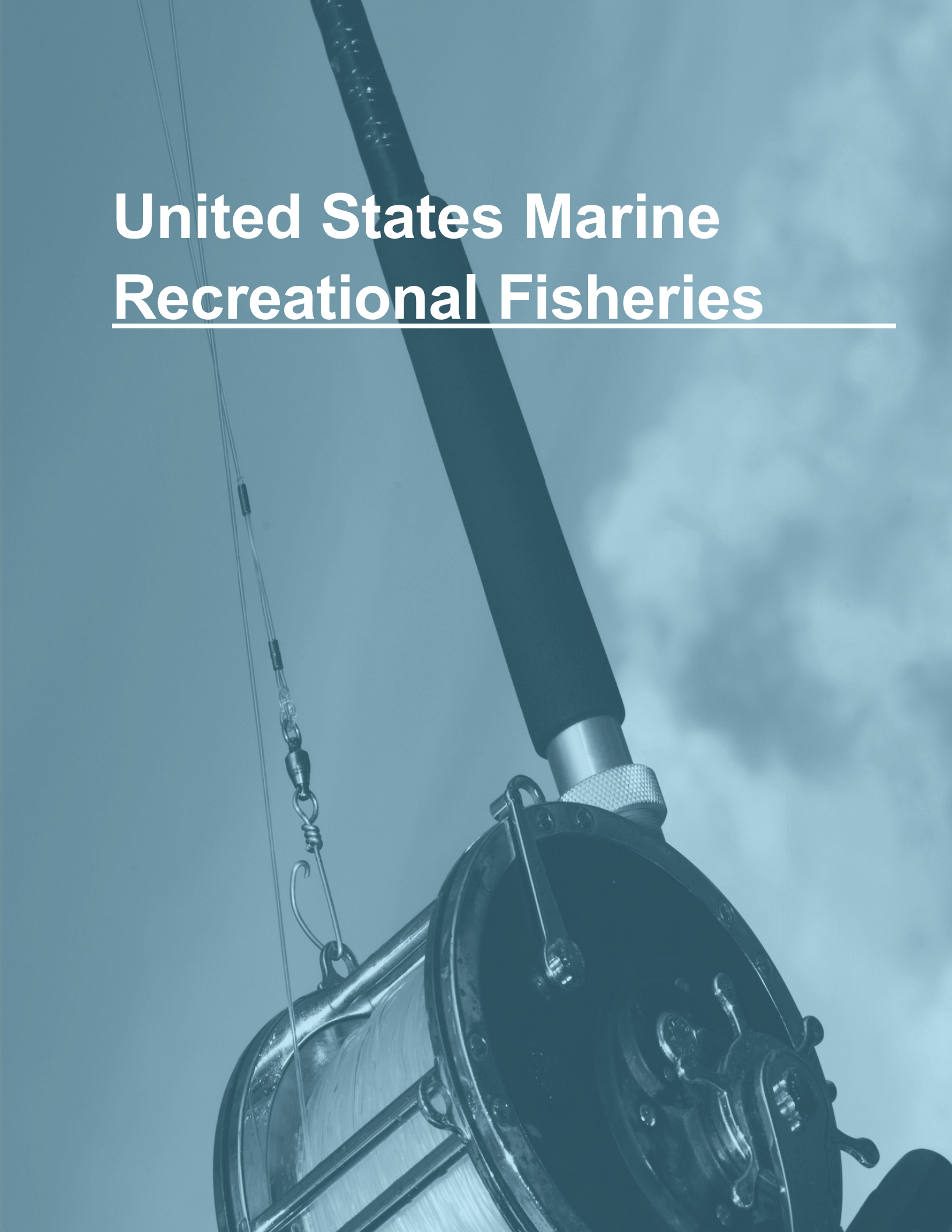
AQUACULTURE PRODUCTION OF ALL SPECIES BY TOP COUNTRIES AND BY CONTINENT, 2018

Country (ranked by volume)	Volume (metric tons)	Value (1000 US$)	Continent	Volume (metric tons)	Value (1000 US$)
China	66,135,059	154,498,519	Asia	105,077,051	223,581,724
Indonesia	14,772,104	13,394,553	Europe	3,080,607	15,348,747
India	7,071,302	13,178,855	South America	2,716,834	15,667,215
Vietnam	4,153,322	14,466,073	Africa	2,308,673	3,284,067
Bangladesh	2,405,416	5,894,683	North America	1,104,341	3,856,408
Philippines	2,304,361	2,094,538	Oceania	220,536	1,898,168
South Korea	2,278,850	3,134,995			
Egypt	1,561,457	1,469,470			
Norway	1,355,117	8,342,459			
Chile	1,287,233	10,498,982			
Myanmar	1,131,706	1,499,113			
Japan	1,032,675	5,284,762			
Thailand	890,864	2,701,065			
North Korea	629,060	159,902			
Brazil	605,730	1,345,863			
Ecuador	539,755	2,799,450			
United States	468,185	1,226,902			
Iran	439,718	1,598,910			
Malaysia	391,977	816,178			
Spain	347,825	598,532			
All others	4,706,326	18,632,524			
Total	**114,508,042**	**263,636,328**		**114,508,042**	**263,636,328**

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, 2018





United States Marine Recreational Fisheries

DATA COLLECTION

In 1976, the Magnuson-Stevens Fishery Conservation and Management Act mandated the sustainable management of U.S. fisheries through plans that considered both recreational and commercial harvest data. In response, NOAA Fisheries established a comprehensive survey of marine recreational fishing that covered all fishing modes (private/rental boat, party/charter boat, and shore) and included estuarine and brackish waters. Following the Magnuson-Stevens Reauthorization Act of 2006 (PL 109-479), this initial survey evolved into a suite of data collection programs coordinated by a state-regional-federal partnership called the Marine Recreational Information Program (MRIP). This partnership oversees the development, implementation, and continual improvement of surveys to estimate recreational catch and effort and evaluate the impact of recreational fishing on fish populations. While annual recreational harvest is only about nine percent of the total weight of U.S. harvest of finfish for states covered by this program, marine recreational fishing significantly impacts the stocks of many finfish species. For some species, recreational catch even surpasses commercial landings (see the figure on page 23 and the tables on page 24).

METHODS

On the Atlantic and Gulf coasts of the U.S. and in Hawaii, MRIP collects recreational fishing data using the Access Point Angler Intercept Survey (APAIS) and the Fishing Effort Survey (FES). The APAIS covers all fishing modes, and collects data on the species composition of catches; catch rates by species; lengths and weights of landed fish; and the proportion of fishing trips by residents of non-coastal counties. The FES is a mail survey that covers private/rental boat and shore modes, and collects data on the number of fishing trips taken by households in coastal states. 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. On the Atlantic and Gulf coasts, MRIP uses the For-Hire Survey (FHS) to collect data on the number of angler trips taken by for-hire vessels. The FHS is a weekly telephone survey that samples from a directory of charter and party boats, and produces separate estimates for both vessel types.

The Louisiana Department of Wildlife and Fisheries (LDWF) estimates catch and effort through LA Creel, which uses a combination of dockside intercepts and phone and email surveys to estimate recreational saltwater fish harvests. The Texas Parks and Wildlife Department (TPWD) estimates catch and effort through the Angler Creel Survey.

On the Pacific Coast, the California Department of Fish and Wildlife administers the California Recreational Fisheries Survey (CRFS) to estimate catch and effort. The CRFS is composed of three parts: a field sampling survey, a telephone survey, and Commercial Passenger Fishing Vessel (CPFV) logs. The Oregon Department of Fish and Wildlife (ODFW) administers two surveys to estimate catch and effort. The Ocean Recreational Boat Survey (ORBS) samples the ocean boat fishery, as well as boats in the lower estuary areas where ocean sampling is occurring. When the Shore and Estuary Boat (SEB) survey is in operation, it samples shore-based and estuary boat anglers. The Washington Department of Fish and Wildlife (WDFW) administers the Ocean Sampling Program (OSP) boat intercept survey to estimate catch and effort. The Alaska Department of Fish and Game (ADFG) administers the mail Sport Fishing Survey to estimate catch and days fished.

Data from these surveys are combined to produce estimates of 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 (Atlantic Coast, Gulf Coast, Pacific Coast, Alaska, Pacific Islands, and U.S. Caribbean), 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. 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.

Due to changes in the coverage and design of the MRIP surveys, made to improve catch and effort estimates and better meet customers' primary data needs, it is no longer possible to derive meaningful

participation estimates from these surveys. Instead, NOAA Fisheries will use the "National Survey of Fishing, Hunting and Wildlife-Associated Recreation" (U.S. Fish and Wildlife Service) to obtain estimates of the number of recreational saltwater anglers. Until these estimates are available at the state level, anticipated in 2023, the MRIP 2018 estimate of 8.5 million anglers (FUS) is the most reliable estimate of recreational fishing participation.

COVERAGE

In 2019, MRIP surveys 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, due to 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 Louisiana is monitored by LDFW, and has not been surveyed by MRIP since 2013. Marine recreational fishing in Texas is monitored by TPWD, and has not been surveyed by MRIP since 1985.

On the Pacific Coast prior to 1988, marine recreational fishing surveys were not conducted during certain waves because those trips were surveyed by state natural resource agencies. Since 2004, the numbers reported for Washington and Oregon cover only private/rental boat and charter boat modes. In Alaska, marine recreational fishing is monitored by ADFG. Catch and effort data from Alaska are generally included in this report, but are not available for the current year.

Pacific Islands and U.S. Caribbean territories have not been continuously surveyed by MRIP throughout the program's history. Hawaii was not surveyed between 1981 and 2002. Puerto Rico was not surveyed between 1981 and 2000, or after Hurricane Maria (late 2017).

Data from other NOAA Fisheries and state surveys are not included in this report.

Historically, only about five percent of annual recreational catch on the Atlantic and Gulf coasts is taken during Wave 1 (Jan./Feb.), and changes to survey coverage have been made over the years to offset the high cost of sampling during these months of low fishing activity. In Jan./Feb. of 1981, marine recreational fishing surveys were not conducted in any region. In 1982, Jan./Feb. data collection resumed on the Pacific Coast, Gulf Coast, and Atlantic coast of Florida. In 2004, Jan./Feb. data collection resumed in North Carolina. With a few exceptions (including North Carolina), MRIP has not collected data in Jan./Feb. on the Atlantic Coast north of Florida since 1980. In 2010, a pilot study measured extremely low levels of Jan./Feb. fishing effort by coastal households in NY, NJ, DE, MD, and VA. (Only about 0.1 to 1.3 percent of coastal households in these states reported fishing during these months.) These findings suggest that anglers who do fish in Jan./Feb. make very low contributions to annual catches, and the decision to forgo Jan./Feb. sampling does not introduce bias to Atlantic Coast estimates. This decision is further supported by the difficulty of intercepting enough angler trips during such a low-activity period that would allow us to produce estimates with adequate levels of precision.

MRIP has not administered surveys during the following periods in the following states: Mar./Apr. (ME and NH) from 1986 to present; Nov./Dec. (ME and NH) from 1987 to present; Jan./Feb. (Northern CA and OR) in 1994; Nov./Dec. (OR) in 1994; Jan./Feb. (Southern CA and OR) in 1995; July–Dec. (OR shore modes) in 2003; Nov./Dec. (WA shore modes) in 2003; All Waves (CA-WA) from 1990 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 transition from the CHTS to the FES, as well as the APAIS 2013 design change. The data presented in the tables are the products of calibrated estimates.

DATA TABLES

The estimated harvests (numbers and weight of fish) for the continental U.S., Alaska, and Hawaii are presented. (Harvests by weight are not available for Texas and Alaska, or Louisiana after 2013.) Estimated harvests are presented by species and primary fishing area. Numbers of fish harvested and released alive are also presented for close to 30

species groups and by state. Total numbers of trips are presented by state.

2019 MARINE RECREATIONAL FISHING DATA

In 2019, marine recreational anglers made almost 187 million fishing trips in the continental United States and Hawaii. (Alaska data are not available for the current year.) The estimated total marine recreational catch was almost 950 million fish, of which 64 percent was released alive. The estimated total weight of harvested catch was 350 million pounds. The Atlantic Coast accounted for the majority of trips (more than 69 percent) and catch (nearly 63 percent). The Gulf Coast accounted for nearly 27 percent of trips, and almost 35 percent of catch. The Pacific Coast accounted for 2 percent of trips, and over 1 percent of catch. Nationally, 54 percent of recreational catch (in numbers of fish) came from inland waters, nearly 36 percent from state territorial seas, and over 9 percent from the EEZ. The majority of Atlantic, Gulf, and Pacific trips fished primarily in inland waters.

ATLANTIC

In 2019, marine recreational anglers along the Atlantic Coast took almost 130 million trips and caught a total of 597 million fish. Almost 28 percent of these trips were made in east Florida, followed by almost 14 percent in North Carolina, more than 10 percent in New York, 10 percent in New Jersey, 9 percent in South Carolina, almost 6 percent in Massachusetts, and almost 6 percent in Virginia. Together, Maryland, Georgia, and Connecticut accounted for over 11 percent of the trips, and Rhode Island, Delaware, Maine, and New Hampshire accounted for the remaining 6 percent of trips. The most commonly caught non-bait species (in numbers of fish) were black sea bass, bluefish, striped bass, summer flounder, and scup. The largest harvests by weight across all trips were striped bass, bluefish, scup, dolphinfish, and black sea bass.

The majority of the total Atlantic catch occurred on trips that fished primarily in inland waters (57%), followed by state territorial seas (35%) and federally managed waters (8%). Of those trips that fished primarily in federally managed waters, the non-bait species most commonly caught (in numbers of fish) were black sea bass, summer flounder, dolphinfish, red snapper, and bluefish.

From 2010 to 2019, total annual catch of Atlantic croaker averaged 42 million fish. Catch decreased overall from 43 million fish in 2010 to 25 million fish in 2019. Of the total catch in 2019, nearly 78 percent were released alive. Over this same ten-year time period, total annual catch of black sea bass averaged 39 million fish. Catch increased overall from almost 35 million fish in 2010 to more than 40 million fish in 2019: nearly 5 percent above the ten-year average.

GULF OF MEXICO

In 2019, marine recreational anglers along the Gulf Coast took 50 million trips and caught a total of 329 million fish. Over 71 percent of these trips were made in west Florida, followed by more than 13 percent in Alabama, more than 8 percent in Mississippi, more than 4 percent in Louisiana, and almost 3 percent in Texas. The most commonly caught non-bait species (in numbers of fish) across all trips were spotted seatrout, Spanish mackerel, gray snapper, red drum, and Atlantic croaker. The largest harvests by weight across all trips were red snapper, Spanish mackerel, red drum, spotted seatrout, gray snapper, and striped mullet.

The majority of the total Gulf catch occurred on trips that fished primarily in inland waters (55%), followed by state territorial seas (35%) and federally managed waters (13%). Of those trips that fished primarily in federally managed waters, the non-bait species most commonly caught (in numbers of fish) were red snapper, white grunt, vermilion snapper, red grouper, and gray triggerfish.

From 2010 to 2019, total annual catch of red drum averaged nearly 16 million fish. Catch decreased overall from almost 23 million fish in 2010 to almost 15 million fish in 2019: more than 7 percent below the ten-year average. Over this same ten-year time period, total annual catch of red snapper averaged nearly 7.6 million fish. Catch increased overall from 6 million fish in 2010 to almost 9.3 million fish in 2019. Of the total catch in 2019, more than 72 percent were released alive.

PACIFIC

In 2019, marine recreational anglers along the Pacific Coast took 3.8 million trips and caught a total of more than 11 million fish. Almost 90 percent of these trips were made in California, followed by over 6 percent in Oregon, and 4 percent in Washington. The most commonly caught non-bait species (in numbers of

fish) across all trips were Pacific (chub) mackerel, kelp bass, black rockfish, California scorpionfish, and vermilion rockfish. The largest harvests by weight across all trips were albacore, lingcod, black rockfish, Chinook salmon, vermilion rockfish, and coho salmon.

The majority of the total Pacific catch occurred on trips that fished primarily in state territorial seas (71%), followed by federally managed waters (17%) and inland waters (12%). Of those trips that fished primarily in federally managed waters, the non-bait species most commonly caught (in numbers of fish) were California scorpionfish, ocean whitefish, vermilion rockfish, squarespot rockfish, and bocaccio.

From 2010 to 2019, total annual catch of Chinook salmon averaged almost 98,000 fish. Overall catch reached a ten-year low in 2016, but has increased in subsequent years. In 2019, the Chinook salmon catch (121,000 fish) was 23 percent above the ten-year average. Over this same ten-year time period, total annual catch of California halibut averaged nearly 331,000 fish. Overall catch reached a ten-year low in 2011, but has increased in subsequent years. In 2019, California halibut catch (325,000 fish) was nearly 2 percent below the ten-year average.

ALASKA

In 2018, marine recreational anglers in Alaska took 861,000 trips and caught a total of nearly 1.9 million fish. Commonly caught non-bait fishes included Pacific halibut, rockfishes, lingcod, sablefish, and the salmons: Chinook, chum, coho, pink, and sockeye. The most abundantly harvested of the salmons were coho salmon and pink salmon. Data for 2019 are not available.

HAWAII

In 2019, marine recreational anglers in Hawaii took nearly 3.5 million trips and caught a total of over 12 million fish. The most commonly caught non-bait species (in numbers of fish) were yellowstripe goatfish, mackerel scad, convict tang, bluefin trevally, and yellowfin tuna. The largest harvests by weight were yellowfin tuna, skipjack tuna, dolphinfish, wahoo, blue marlin, and bluefin trevally.

U.S. RECREATIONAL HARVEST, BY SPECIES, 2018 AND 2019

Species	2018 (2,3)			2019 (2,3,4,5)			Average (2015-2019)
	Thousand pounds	Metric tons	Total numbers (thousands)	Thousand pounds	Metric tons	Total numbers (thousands)	Thousand pounds
Anchovies **							
Northern Anchovy	7	3	212	-	-	-	6
Other Anchovies	451	201	562	716	318	2,670	233
Barracudas							
Pacific Barracuda	88	40	19	-	-	-	115
Other Barracudas	2,647	1,200	339	1,977	898	306	2,661
Bluefish	13,602	6,170	10,439	16,197	7,348	12,691	23,707
Smallmouth Bonefish	102	46	45	36	16	72	71
Cartilaginous Fishes							
Skates/Rays **	589	267	392	1,241	564	141	1,761
Spiny Dogfish	308	139	292	295	135	331	320
Other Sharks **	2,036	923	353	4,553	2,063	295	9,949
Catfishes							
Freshwater Catfishes	5,062	2,295	2,274	6,553	2,970	2,737	4,960
Saltwater Catfishes	2,134	968	1,780	1,803	818	1,498	2,059
Cods And Hakes							
Atlantic Cod	187	83	31	652	295	81	1,389
Pacific Cod	3	1	15	1	1	(1)	2
Pacific Hake	(1)	(1)	(1)	(1)	(1)	(1)	(1)
Pacific Tomcod	(1)	(1)	(1)	-	-	-	(1)
Pollock	714	322	388	444	200	262	1,012
Red Hake	207	94	192	577	260	551	324
Walleye Pollock	-	-	-	-	-	-	-
Other Cods/Hakes	2,190	991	1,008	2,174	983	1,107	2,745
Damselfishes							
Blackspot Sergeant	-	-	89	-	-	54	-
Other Damselfishes	-	-	27	-	-	19	(1)
Dolphinfishes **	20,439	9,271	3,282	15,921	7,221	2,468	19,907
Drums							
Atlantic Croaker	4,421	2,007	12,131	3,059	1,386	8,773	5,893
Black Drum	7,195	3,262	2,150	6,456	2,928	2,187	7,738
California Corbina	8	3	7	-	-	-	27
Kingfishes	7,511	3,407	18,503	5,926	2,687	17,847	7,589
Queenfish	(1)	(1)	17	-	-	-	1
Red Drum	14,980	6,793	5,887	12,419	5,635	4,499	15,156
Sand Seatrout	3,323	1,507	5,992	1,909	866	4,174	3,032
Silver Perch	102	45	480	188	87	913	229

(continued)

U.S. RECREATIONAL HARVEST, BY SPECIES, 2018 AND 2019

Species	2018 (2,3)			2019 (2,3,4,5)			Average (2015-2019)
	Thousand pounds	Metric tons	Total numbers (thousands)	Thousand pounds	Metric tons	Total numbers (thousands)	Thousand pounds
Spot	3,292	1,494	12,827	4,719	2,139	15,101	4,916
Spotted Seatrout	14,337	6,503	12,006	15,239	6,913	13,765	15,419
Weakfish **	192	88	133	345	157	284	351
White Croaker	14	6	48	-	-	-	21
Other Drum	255	115	518	2	1	382	451
**Eels ** **							
Conger Eels	6	2	3	37	17	11	18
Moray Eels	(1)	(1)	10	1	(1)	14	(1)
Other Eels	142	64	151	17	7	16	100
Hawaiian Flagtail	9	4	206	-	-	221	17
Flounders							
California Halibut **	342	154	46	3	1	1	265
Gulf Flounder	520	236	383	307	139	228	568
Rock Sole	5	2	3	(1)	(1)	(1)	3
Sanddabs	78	34	252	(1)	(1)	1	85
Southern Flounder	2,118	961	1,354	3,465	1,574	2,137	2,597
Starry Flounder	2	(1)	(1)	(1)	(1)	(1)	3
Summer Flounder	7,634	3,462	2,431	7,892	3,581	2,451	10,172
Winter Flounder	223	101	158	87	40	77	256
Other Flounders **	1,382	628	821	560	254	337	1,479
Goatfishes							
Manybar Goatfish	9	5	57	5	2	29	5
Whitesaddle Goatfish	22	10	12	-	-	1	8
Yellowstripe Goatfish	49	22	1,651	-	-	984	36
Other Goatfishes	72	32	317	25	11	154	94
Greenlings							
Kelp Greenling	21	9	14	9	5	6	43
Lingcod	1,678	761	276	754	342	100	2,358
Other Greenlings	(1)	(1)	(1)	(1)	(1)	(1)	1
Grunts							
Pigfish	525	236	1,455	417	187	1,176	663
White Grunt	2,874	1,304	3,552	2,534	1,148	3,013	2,970
Other Grunts	1,602	727	3,918	345	155	1,379	805
**Herrings ** **							
Pacific Herring	10	5	57	1	(1)	3	24
Other Herrings	9,716	4,407	66,727	12,790	5,802	83,955	10,504

(continued)

U.S. RECREATIONAL HARVEST, BY SPECIES, 2018 AND 2019

Species	2018 (2,3)			2019 (2,3,4,5)			Average (2015-2019)
	Thousand pounds	Metric tons	Total numbers (thousands)	Thousand pounds	Metric tons	Total numbers (thousands)	Thousand pounds
Jacks							
Bigeye Scad	483	220	4,672	39	18	4,564	501
Bigeye Trevally	3	1	1	-	-	-	2
Blue Runner	4,810	2,183	7,840	3,708	1,681	4,829	5,883
Bluefin Trevally	512	233	118	593	269	203	365
Crevalle Jack	3,828	1,735	1,713	2,145	973	1,296	5,423
Florida Pompano	1,939	880	1,510	4,364	1,980	4,364	2,652
Giant Trevally	638	290	39	203	92	43	344
Greater Amberjack	3,041	1,377	138	2,420	1,097	137	3,680
Island Jack	56	25	26	68	31	29	39
Mackerel Scad	-	-	405	11	5	793	26
Whitemouth Trevally	(1)	(1)	(1)	(1)	(1)	(1)	(1)
Yellowtail	184	84	15	(1)	(1)	(1)	1,096
Other Jacks	2,886	1,311	7,644	2,127	966	2,206	2,578
Mullets **							
Striped Mullet	6,587	2,988	7,196	5,817	2,638	5,823	6,318
Other Mullets	7,166	3,248	26,677	6,436	2,922	19,736	4,027
Porgies							
Pinfishes	3,115	1,414	13,147	4,530	2,056	10,597	4,056
Red Porgy	644	291	436	264	120	246	665
Scup **	12,979	5,886	14,547	14,116	6,402	14,954	12,561
Sheepshead	11,552	5,238	5,248	7,830	3,553	3,691	12,101
Other Porgies **	583	265	500	744	335	781	693
Puffers	483	221	1,200	1,470	665	3,833	927
Rockfishes							
Black Rockfish	1,379	626	580	1,198	543	495	1,878
Blue Rockfish	451	205	470	9	4	7	465
Bocaccio	264	120	159	7	4	1	251
Brown Rockfish	204	92	150	(1)	(1)	(1)	228
Canary Rockfish	244	110	125	117	53	50	180
Chilipepper Rockfish	4	2	9	(1)	(1)	(1)	12
Copper Rockfish	442	199	195	23	10	7	452
Gopher Rockfish	89	40	95	(1)	(1)	(1)	147
Greenspotted Rockfish	32	14	34	(1)	(1)	(1)	30
Olive Rockfish	104	47	74	(1)	(1)	(1)	128
Quillback Rockfish	48	22	20	26	12	9	39
Widow Rockfish	68	31	46	12	5	6	26
Yellowtail Rockfish	293	134	181	174	78	72	307

(continued)

U.S. RECREATIONAL HARVEST, BY SPECIES, 2018 AND 2019

Species	2018 (2,3)			2019 (2,3,4,5)			Average (2015-2019)
	Thousand pounds	Metric tons	Total numbers (thousands)	Thousand pounds	Metric tons	Total numbers (thousands)	Thousand pounds
Other Rockfishes **	1,029	459	1,433	92	42	40	1,268
Sablefishes	5	2	27	5	2	1	4
Scorpionfishes							
California Scorpionfish	218	98	217	-	-	-	270
Other Scorpionfishes	4	(1)	36	2	1	4	1
Sculpins							
Cabezon	109	50	22	56	26	10	163
Other Sculpins	1	(1)	10	1	(1)	1	3
Sea Basses							
Barred Sand Bass	107	48	50	-	-	-	144
Black Sea Bass	8,728	3,960	4,826	9,477	4,298	5,271	11,110
Epinephelus Groupers **	2,748	1,249	364	2,064	936	320	2,940
Groupers	11	5	18	40	18	11	27
Kelp Bass	168	76	93	-	-	-	278
Mycteroperca Groupers **	3,378	1,535	401	3,184	1,444	349	3,301
Spotted Sand Bass	1	1	1	-	-	-	10
Other Sea Basses	293	132	868	274	124	593	242
**Sea Chubs ** **							
Halfmoon	14	6	14	-	-	-	26
Highfin Rudderfish	-	-	7	-	-	23	-
Opaleye	18	9	16	-	-	-	34
Other Sea Chubs	111	51	96	-	-	59	48
Searobins	800	362	762	906	410	993	962
Silversides							
Jacksmelt	67	29	187	(1)	(1)	(1)	159
Other Silversides	16	7	179	26	12	140	37
**Smelts ** **							
Surf Smelt	-	-	-	-	-	-	(1)
Other Smelts	(1)	(1)	10	-	-	(1)	(1)
Snappers							
Blacktail Snapper	8	3	57	6	3	31	6
Bluestripe Snapper	17	8	95	27	12	80	18
Gray Snapper	6,432	2,918	5,847	6,007	2,725	5,987	6,740
Green Jobfish	180	82	39	55	24	10	154
Lane Snapper	1,047	475	1,293	1,096	496	1,414	949
Pink Snapper	265	120	56	170	77	63	107
Red Snapper	19,142	8,683	2,967	15,488	7,025	2,775	14,457

(continued)

U.S. RECREATIONAL HARVEST, BY SPECIES, 2018 AND 2019

Species	2018 (2,3)			2019 (2,3,4,5)			Average (2015-2019)
	Thousand pounds	Metric tons	Total numbers (thousands)	Thousand pounds	Metric tons	Total numbers (thousands)	Thousand pounds
Vermilion Snapper	2,815	1,277	2,717	2,488	1,127	2,341	2,291
Yellowtail Snapper	1,522	690	1,697	872	397	806	1,435
Other Snappers **	1,065	483	377	1,215	548	798	1,493
Squirrel/Soldierfishes							
Bigscale Soldierfish	-	-	481	-	-	155	-
Squirrel Fishes	(1)	(1)	3	1	1	8	4
Whitetip Soldierfish	-	-	-	-	-	-	(1)
Other Soldierfishes	7	3	278	-	-	32	3
Sturgeons	8	4	(1)	-	-	-	30
Surfperches							
Barred Surfperch	5	3	11	-	-	-	573
Black Perch	2	(1)	4	-	-	-	17
Pile Perch	2	(1)	1	(1)	(1)	(1)	6
Redtail Surfperch	1	(1)	1	(1)	(1)	(1)	107
Shiner Perch	2	(1)	23	-	-	-	4
Silver Surfperch	1	(1)	7	-	-	-	27
Striped Seaperch	4	2	4	(1)	(1)	(1)	41
Walleye Surfperch	5	3	25	-	-	-	15
White Seaperch	1	(1)	3	-	-	-	3
Other Surfperches	4	(1)	12	(1)	(1)	(1)	38
Surgeonfishes							
Convict Tang	-	-	273	-	-	400	21
Goldring Surgeonfish	-	-	231	6	3	31	5
Unicornfishes	4	2	16	-	-	122	2
Other Surgeonfishes	70	32	202	3	1	378	32
Temperate Basses							
Striped Bass	24,008	10,890	2,522	23,895	10,838	2,254	34,150
White Perch	1,532	694	3,795	2,419	1,097	6,129	2,404
Other Temperate Basses	204	92	103	291	132	207	110
Toadfishes	29	13	19	72	33	40	59
Triggerfishes/Filefishes	1,816	823	626	1,845	836	643	1,842
Tunas And Mackerels							
Albacore	987	448	70	3,100	1,406	199	1,842
Atlantic Mackerel	4,551	2,064	9,495	3,880	1,760	8,560	6,715

(continued)

U.S. RECREATIONAL HARVEST, BY SPECIES, 2018 AND 2019

Species	2018 (2,3)			2019 (2,3,4,5)			Average (2015-2019)
	Thousand pounds	Metric tons	Total numbers (thousands)	Thousand pounds	Metric tons	Total numbers (thousands)	Thousand pounds
Chub Mackerel	556	252	1,312	76	34	51	674
Kawakawa	199	90	33	98	44	18	96
King Mackerel **	10,882	4,938	1,208	11,004	4,991	1,205	10,598
Little Tunny/Atl. Bonito **	6,090	2,762	936	6,361	2,885	1,209	6,530
Pacific Bonito **	361	163	86	-	-	-	454
Skipjack Tuna	2,214	1,004	258	2,850	1,294	287	1,819
Spanish Mackerel	8,901	4,037	7,227	15,439	7,003	12,355	10,720
Wahoo	3,908	1,774	165	4,311	1,957	163	5,160
Yellowfin Tuna	15,680	7,114	466	7,329	3,323	426	14,057
Other Tunas/Mackerels **	5,953	2,700	494	8,340	3,782	374	6,768
Wrasses							
California Sheephead	107	48	35	-	-	-	145
Cunner	115	51	130	37	15	62	57
Hawaiian Hogfish	-	-	2	5	2	7	3
Razorfishes	81	37	115	8	4	171	31
Tautog	3,419	1,552	1,072	7,816	3,545	2,041	6,886
Other Wrasses	192	87	148	143	65	101	751
Other Fishes **	16,243	7,365	19,685	16,216	7,357	12,739	25,864
Grand Total	**359,009**	**162,807**	**347,855**	**350,199**	**158,821**	**340,762**	**420,538**

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 not sampled in 2018 and 2019.
** 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, 2019

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	-	-	-	-	-	-	-	-	-	-	-	-
Other Anchovies	716	318	669	(1)	(1)	2,002	-	-	-	716	318	2,670
Barracudas												
Pacific Barracuda	-	-	-	-	-	-	-	-	-	-	-	-
Other Barracudas	136	62	53	1,195	542	167	646	294	86	1,977	898	306
Bluefish	6,637	3,011	5,180	8,489	3,851	6,988	1,072	486	523	16,197	7,348	12,691
Smallmouth Bonefish	-	-	(1)	36	16	72	-	-	-	36	16	72
Cartilaginous Fishes												
Skates/Rays **	799	363	57	433	197	30	9	4	53	1,241	564	141
Spiny Dogfish	12	6	3	209	95	193	74	34	135	295	135	331
Other Sharks **	526	239	116	1,853	840	162	2,174	984	17	4,553	2,063	295
Catfishes												
Freshwater Catfishes	6,553	2,970	2,630	(1)	(1)	107	(1)	(1)	(1)	6,553	2,970	2,737
Saltwater Catfishes	1,208	549	948	595	269	549	(1)	(1)	(1)	1,803	818	1,498
Cods And Hakes												
Atlantic Cod	12	5	3	51	23	8	590	267	70	652	295	81
Pacific Cod	-	-	-	1	1	(1)	-	-	-	1	1	(1)
Pacific Hake	-	-	-	(1)	(1)	(1)	-	-	-	(1)	(1)	(1)
Pacific Tomcod	-	-	-	-	-	-	-	-	-	-	-	-
Pollock	71	32	65	100	45	110	273	123	87	444	200	262
Red Hake	1	(1)	1	20	8	21	557	252	530	577	260	551
Other Cods/Hakes	62	27	47	65	28	28	2,048	928	1,031	2,174	983	1,107
Damselfishes												
Blackspot Sergeant	-	-	5	-	-	49	-	-	-	-	-	54
Other Damselfishes	-	-	(1)	-	-	19	-	-	-	-	-	19
Dolphinfishes **	4	2	(1)	1,671	758	231	14,246	6,461	2,237	15,921	7,221	2,468
Drums												
Atlantic Croaker	2,538	1,151	7,210	363	163	1,358	159	72	206	3,059	1,386	8,773

(continued)

U.S. RECREATIONAL HARVEST, BY DISTANCE FROM SHORE AND SPECIES GROUP, 2019

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	4,671	2,119	1,495	1,769	801	688	17	8	4	6,456	2,928	2,187
California Corbina	-	-	-	-	-	-	-	-	-	-	-	-
Kingfishes	2,496	1,134	5,805	3,408	1,544	11,997	22	9	44	5,926	2,687	17,847
Queenfish	-	-	-	-	-	-	-	-	-	-	-	-
Red Drum	7,626	3,459	2,345	4,698	2,132	2,130	96	44	24	12,419	5,635	4,499
Sand Seatrout	1,387	629	2,772	494	225	1,325	28	12	76	1,909	866	4,174
Silver Perch	117	55	544	71	32	369	(1)	(1)	(1)	188	87	913
Spot	3,207	1,453	10,505	1,508	684	4,588	4	2	8	4,719	2,139	15,101
Spotted Seatrout	10,170	4,613	7,116	4,807	2,181	6,476	262	119	174	15,239	6,913	13,765
Weakfish **	162	74	126	64	29	58	118	54	99	345	157	284
White Croaker	-	-	-	-	-	-	-	-	-	-	-	-
Other Drum	(1)	(1)	104	2	1	273	(1)	(1)	5	2	1	382
**Eels ** **												
Conger Eels	(1)	(1)	(1)	(1)	(1)	(1)	37	17	11	37	17	11
Moray Eels	(1)	(1)	2	(1)	(1)	12	1	(1)	(1)	1	(1)	14
Other Eels	16	7	15	(1)	(1)	(1)	1	(1)	1	17	7	16
Hawaiian Flagtail	-	-	37	-	-	184	-	-	-	-	-	221
Flounders												
California Halibut **	-	-	-	3	1	1	-	-	-	3	1	1
Gulf Flounder	129	58	105	135	62	98	42	19	25	307	139	228
Rock Sole	-	-	-	(1)	(1)	(1)	-	-	-	(1)	(1)	(1)
Sanddabs	-	-	-	(1)	(1)	1	-	-	-	(1)	(1)	1
Southern Flounder	1,821	827	1,235	1,193	542	608	451	205	294	3,465	1,574	2,137
Starry Flounder	-	-	-	(1)	(1)	(1)	-	-	-	(1)	(1)	(1)
Summer Flounder	3,451	1,566	1,205	2,772	1,258	695	1,669	757	551	7,892	3,581	2,451
Winter Flounder	74	34	66	12	6	11	1	(1)	1	87	40	77
Other Flounders **	(1)	(1)	176	559	254	121	1	(1)	40	560	254	337
Goatfishes												
Manybar Goatfish	-	-	(1)	5	2	26	-	-	2	5	2	29
Whitesaddle Goatfish	-	-	(1)	-	-	(1)	-	-	(1)	-	-	1

(continued)

U.S. RECREATIONAL HARVEST, BY DISTANCE FROM SHORE AND SPECIES GROUP, 2019

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	-	-	166	-	-	818	-	-	-	-	-	984
Other Goatfishes	-	-	-	25	11	142	-	-	12	25	11	154
Greenlings												
Kelp Greenling	-	-	-	9	5	6	-	-	-	9	5	6
Lingcod	-	-	-	754	342	100	-	-	-	754	342	100
Other Greenlings	-	-	-	(1)	(1)	(1)	-	-	-	(1)	(1)	(1)
Grunts												
Pigfish	378	171	1,046	27	11	93	13	5	38	417	187	1,176
White Grunt	309	139	378	600	272	696	1,625	737	1,939	2,534	1,148	3,013
Other Grunts	39	17	76	79	36	715	227	102	589	345	155	1,379
Herrings **												
Pacific Herring	-	-	-	1	(1)	3	-	-	-	1	(1)	3
Other Herrings	9,149	4,151	49,458	2,655	1,203	28,790	985	448	5,707	12,790	5,802	83,955
Jacks												
Bigeye Scad	-	-	2,330	23	11	2,118	15	7	116	39	18	4,564
Bigeye Trevally	-	-	-	-	-	-	-	-	-	-	-	-
Blue Runner	479	217	421	2,923	1,326	3,996	306	138	412	3,708	1,681	4,829
Bluefin Trevally	30	14	23	562	255	178	(1)	(1)	2	593	269	203
Crevalle Jack	1,576	715	991	462	209	298	107	49	7	2,145	973	1,296
Florida Pompano	1,133	514	701	3,232	1,466	3,661	(1)	(1)	1	4,364	1,980	4,364
Giant Trevally	6	3	1	172	78	40	25	11	2	203	92	43
Greater Amberjack	(1)	(1)	(1)	366	165	25	2,054	932	112	2,420	1,097	137
Island Jack	4	2	2	64	29	27	-	-	(1)	68	31	29
Mackerel Scad	-	-	62	11	5	607	-	-	124	11	5	793
Whitemouth Trevally	-	-	-	(1)	(1)	(1)	-	-	-	(1)	(1)	(1)
Yellowtail	-	-	-	(1)	(1)	(1)	-	-	-	(1)	(1)	(1)
Other Jacks	99	45	218	859	391	1,125	1,168	530	862	2,127	966	2,206
Mullets **												
Striped Mullet	4,614	2,092	4,549	1,202	546	1,274	-	-	-	5,817	2,638	5,823
Other Mullets	716	324	6,464	4,816	2,188	12,316	903	410	956	6,436	2,922	19,736
Porgies												
Pinfishes	4,084	1,852	8,695	313	143	1,535	133	61	366	4,530	2,056	10,597
Red Porgy	(1)	(1)	(1)	35	16	46	229	104	200	264	120	246

(continued)

U.S. RECREATIONAL HARVEST, BY DISTANCE FROM SHORE AND SPECIES GROUP, 2019

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 **	11,640	5,280	12,403	2,004	909	2,044	472	213	507	14,116	6,402	14,954
Sheepshead	5,949	2,700	2,627	1,218	552	860	664	301	205	7,830	3,553	3,691
Other Porgies **	27	11	26	381	172	402	337	152	352	744	335	781
Puffers	653	296	1,518	803	363	2,288	14	6	27	1,470	665	3,833
Rockfishes												
Black Rockfish	-	-	-	1,198	543	495	-	-	-	1,198	543	495
Blue Rockfish	-	-	-	9	4	7	-	-	-	9	4	7
Bocaccio	-	-	-	7	4	1	-	-	-	7	4	1
Brown Rockfish	-	-	-	(1)	(1)	(1)	-	-	-	(1)	(1)	(1)
Canary Rockfish	-	-	-	117	53	50	-	-	-	117	53	50
Chilipepper Rockfish	-	-	-	(1)	(1)	(1)	-	-	-	(1)	(1)	(1)
Copper Rockfish	-	-	-	23	10	7	-	-	-	23	10	7
Gopher Rockfish	-	-	-	(1)	(1)	(1)	-	-	-	(1)	(1)	(1)
Greenspotted Rockfish	-	-	-	(1)	(1)	(1)	-	-	-	(1)	(1)	(1)
Olive Rockfish	-	-	-	(1)	(1)	(1)	-	-	-	(1)	(1)	(1)
Quillback Rockfish	-	-	-	26	12	9	-	-	-	26	12	9
Widow Rockfish	-	-	-	12	5	6	-	-	-	12	5	6
Yellowtail Rockfish	-	-	-	174	78	72	-	-	-	174	78	72
Other Rockfishes **	-	-	-	92	42	40	-	-	-	92	42	40
Sablefishes	-	-	-	5	2	1	-	-	-	5	2	1
Scorpionfishes												
California Scorpionfish	-	-	-	-	-	-	-	-	-	-	-	-
Other Scorpionfishes	(1)	(1)	(1)	2	1	2	(1)	(1)	2	2	1	4
Sculpins												
Cabezon	-	-	-	56	26	10	-	-	-	56	26	10
Other Sculpins	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	1	(1)	1

(continued)

U.S. RECREATIONAL HARVEST, BY DISTANCE FROM SHORE AND SPECIES GROUP, 2019

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	-	-	-	-	-	-	-	-	-	-	-	-
Black Sea Bass	3,241	1,469	1,559	2,742	1,244	1,472	3,495	1,585	2,240	9,477	4,298	5,271
Epinephelus Groupers **	(1)	(1)	(1)	130	59	18	1,934	877	303	2,064	936	320
Other Groupers	-	-	-	40	18	10	-	-	(1)	40	18	11
Kelp Bass	-	-	-	-	-	-	-	-	-	-	-	-
Mycteroperca Groupers **	164	74	20	394	178	47	2,627	1,192	282	3,184	1,444	349
Spotted Sand Bass	-	-	-	-	-	-	-	-	-	-	-	-
Other Sea Basses	10	5	24	97	44	217	168	75	353	274	124	593
**Sea Chubs ** **												
Halfmoon	-	-	-	-	-	-	-	-	-	-	-	-
Highfin Rudderfish	-	-	6	-	-	16	-	-	-	-	-	23
Opaleye	-	-	-	-	-	-	-	-	-	-	-	-
Other Sea Chubs	-	-	(1)	-	-	59	-	-	-	-	-	59
Searobins	823	373	900	68	31	61	15	6	33	906	410	993
Silversides												
Jacksmelt	-	-	-	(1)	(1)	(1)	-	-	-	(1)	(1)	(1)
Other Silversides	(1)	(1)	32	10	5	85	16	7	23	26	12	140
**Smelts ** **												
Surf Smelt	-	-	-	-	-	-	-	-	-	-	-	-
Other Smelts	-	-	-	-	-	(1)	-	-	-	-	-	(1)
Snappers												
Blacktail Snapper	-	-	2	6	3	29	-	-	-	6	3	31
Bluestripe Snapper	(1)	(1)	4	26	12	67	-	-	9	27	12	80
Gray Snapper	2,783	1,263	3,202	1,746	792	1,756	1,478	670	1,029	6,007	2,725	5,987
Green Jobfish	-	-	-	47	21	8	7	3	2	55	24	10
Lane Snapper	75	34	254	180	81	250	841	381	910	1,096	496	1,414
Pink Snapper	-	-	-	36	16	13	134	61	49	170	77	63
Red Snapper	68	31	18	1,740	789	384	13,680	6,205	2,373	15,488	7,025	2,775
Vermilion Snapper	(1)	(1)	(1)	316	143	346	2,172	984	1,995	2,488	1,127	2,341

(continued)

U.S. RECREATIONAL HARVEST, BY DISTANCE FROM SHORE AND SPECIES GROUP, 2019

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	7	309	140	339	558	254	460	872	397	806
Other Snappers **	23	10	34	619	279	615	573	259	149	1,215	548	798
Squirrel/Soldierfishes												
Bigscale Soldierfish	-	-	-	-	-	155	-	-	-	-	-	155
Squirrel Fishes	(1)	(1)	(1)	(1)	(1)	7	1	1	1	1	1	8
Whitetip Soldierfish	-	-	-	-	-	-	-	-	-	-	-	-
Other Soldierfishes	-	-	-	-	-	32	-	-	-	-	-	32
Sturgeons	-	-	-	-	-	-	-	-	-	-	-	-
Surfperches												
Barred Surfperch	-	-	-	-	-	-	-	-	-	-	-	-
Black Perch	-	-	-	-	-	-	-	-	-	-	-	-
Pile Perch	-	-	-	(1)	(1)	(1)	-	-	-	(1)	(1)	(1)
Redtail Surfperch	-	-	-	(1)	(1)	(1)	-	-	-	(1)	(1)	(1)
Shiner Perch	-	-	-	-	-	-	-	-	-	-	-	-
Silver Surfperch	-	-	-	-	-	-	-	-	-	-	-	-
Striped Seaperch	-	-	-	(1)	(1)	(1)	-	-	-	(1)	(1)	(1)
Walleye Surfperch	-	-	-	-	-	-	-	-	-	-	-	-
White Seaperch	-	-	-	-	-	-	-	-	-	-	-	-
Other Surfperches	-	-	-	(1)	(1)	(1)	-	-	-	(1)	(1)	(1)
Surgeonfishes												
Convict Tang	-	-	110	-	-	290	-	-	-	-	-	400
Goldring Surgeonfish	-	-	-	6	3	31	-	-	-	6	3	31
Unicornfishes	-	-	29	-	-	92	-	-	-	-	-	122
Other Surgeonfishes	3	1	35	-	-	343	-	-	-	3	1	378
Temperate Basses												
Striped Bass	16,023	7,270	1,801	7,297	3,309	415	575	259	38	23,895	10,838	2,254
White Perch	2,417	1,096	6,120	2	1	9	-	-	-	2,419	1,097	6,129
Other Temperate Basses	(1)	(1)	(1)	(1)	(1)	33	291	132	173	291	132	207

(continued)

U.S. RECREATIONAL HARVEST, BY DISTANCE FROM SHORE AND SPECIES GROUP, 2019

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	69	32	39	1	(1)	1	1	1	1	72	33	40
Triggerfishes/Filefishes	139	62	42	345	157	147	1,361	617	455	1,845	836	643
Tunas And Mackerels												
Albacore	-	-	-	3,006	1,363	194	94	43	5	3,100	1,406	194
Atlantic Mackerel	1,568	711	3,183	1,809	820	4,258	503	229	1,120	3,880	1,760	8,560
Chub Mackerel	8	3	4	29	13	18	39	18	29	76	34	51
Kawakawa	-	-	-	34	15	5	64	29	12	98	44	18
King Mackerel **	428	194	23	3,699	1,677	390	6,877	3,120	792	11,004	4,991	1,205
Little Tunny/Atlantic Bonito **	340	154	101	4,023	1,825	751	1,998	906	356	6,361	2,885	1,209
Pacific Bonito **	-	-	-	-	-	-	-	-	-	-	-	-
Skipjack Tuna	(1)	(1)	(1)	153	70	20	2,696	1,224	267	2,850	1,294	287
Spanish Mackerel	3,900	1,769	2,986	9,638	4,372	8,384	1,901	862	985	15,439	7,003	12,355
Wahoo	39	18	2	879	399	39	3,393	1,540	122	4,311	1,957	163
Yellowfin Tuna	-	-	-	346	157	36	6,983	3,166	390	7,329	3,323	426
Other Tunas/Mackerels **	32	14	3	159	72	69	8,149	3,696	303	8,340	3,782	374
Wrasses												
California Sheephead	-	-	-	-	-	-	-	-	-	-	-	-
Cunner	3	1	4	19	8	34	14	6	25	37	15	62
Hawaiian Hogfish	5	2	3	-	-	4	-	-	-	5	2	7
Razorfishes	-	-	-	8	4	124	-	-	47	8	4	171
Tautog	5,327	2,415	1,316	1,678	762	522	811	368	204	7,816	3,545	2,041
Other Wrasses	8	4	7	25	12	43	109	49	51	143	65	101
Other Fishes **	3,230	1,466	3,849	5,592	2,537	6,599	7,394	3,354	2,290	16,216	7,357	12,739
Grand Total	**136,218**	**61,780**	**168,519**	**109,155**	**49,505**	**135,491**	**104,825**	**47,536**	**36,752**	**350,199**	**158,821**	**340,762**

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 and 2019.
** 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, 2010-2019

Year	Barracudas			Bluefish		
	Pounds Harvested (thousands)	Number Harvested (thousands)	Number Released (thousands)	Pounds Harvested (thousands)	Number Harvested (thousands)	Number Released (thousands)
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	32,684	14,172	29,496
2018	2,735	358	1,108	13,602	10,439	21,687
2019	1,977	306	878	16,197	12,691	28,128

Year	Cartilaginous Fishes			Catfishes		
	Pounds Harvested (thousands)	Number Harvested (thousands)	Number Released (thousands)	Pounds Harvested (thousands)	Number Harvested (thousands)	Number Released (thousands)
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	7,176	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	13,759	624	22,964	5,328	3,077	38,802
2018	2,934	1,035	23,773	7,195	4,053	36,867
2019	6,088	767	20,569	8,356	4,234	33,365

Year	Cods and Hakes			Dolphinfishes		
	Pounds Harvested (thousands)	Number Harvested (thousands)	Number Released (thousands)	Pounds Harvested (thousands)	Number Harvested (thousands)	Number Released (thousands)
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	9,314	2,822	6,624	14,415	2,573	844
2018	3,301	1,619	3,439	20,439	3,330	889
2019	3,850	2,002	2,101	15,921	2,468	987

U.S. RECREATIONAL HARVEST AND TOTAL LIVE RELEASES, BY SPECIES GROUP, 2010-2019

Year	Drums			Flounders		
	Pounds Harvested (thousands)	Number Harvested (thousands)	Number Released (thousands)	Pounds Harvested (thousands)	Number Harvested (thousands)	Number Released (thousands)
2010	122,023	118,471	168,310	20,757	9,341	65,134
2011	125,626	127,755	175,797	22,601	10,773	59,918
2012	122,259	128,826	207,791	24,873	11,668	47,953
2013	131,560	135,453	213,559	28,193	13,035	47,351
2014	72,474	113,081	141,031	22,719	10,905	47,150
2015	63,400	87,340	134,100	16,334	7,807	37,103
2016	63,105	86,702	150,119	18,497	8,234	33,356
2017	71,669	99,680	149,540	14,454	6,456	31,034
2018	55,630	70,699	134,746	11,496	4,972	25,605
2019	50,264	67,926	137,452	12,315	5,232	34,301

Year	Greenlings			Grunts		
	Pounds Harvested (thousands)	Number Harvested (thousands)	Number Released (thousands)	Pounds Harvested (thousands)	Number Harvested (thousands)	Number Released (thousands)
2010	921	188	231	3,904	6,411	11,579
2011	1,660	332	398	6,095	9,869	17,362
2012	1,970	385	418	6,033	9,543	16,047
2013	2,738	471	368	5,921	10,574	18,649
2014	3,292	556	370	6,628	10,923	17,915
2015	4,005	677	349	4,873	8,245	18,360
2016	3,645	604	358	5,002	7,752	18,949
2017	1,897	312	143	4,018	7,229	16,307
2018	1,698	261	119	5,000	8,925	20,174
2019	764	106	37	3,295	5,569	15,526

Year	Herrings			Jacks		
	Pounds Harvested (thousands)	Number Harvested (thousands)	Number Released (thousands)	Pounds Harvested (thousands)	Number Harvested (thousands)	Number Released (thousands)
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	8,664	85,392	27,710	27,180	25,881	28,451
2018	9,726	66,785	23,236	18,380	24,119	27,502
2019	12,790	83,959	17,316	15,678	18,465	29,963

U.S. RECREATIONAL HARVEST AND TOTAL LIVE RELEASES, BY SPECIES GROUP, 2010-2019

Year	Mullets			Porgies		
	Pounds Harvested (thousands)	Number Harvested (thousands)	Number Released (thousands)	Pounds Harvested (thousands)	Number Harvested (thousands)	Number Released (thousands)
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	35,972	33,946	70,560
2018	14,565	34,005	11,884	28,872	33,878	56,664
2019	12,252	25,559	7,412	27,484	30,268	49,310

Year	Puffers			Rockfishes		
	Pounds Harvested (thousands)	Number Harvested (thousands)	Number Released (thousands)	Pounds Harvested (thousands)	Number Harvested (thousands)	Number Released (thousands)
2010	952	1,921	4,906	5,113	3,550	539
2011	1,786	5,177	5,514	6,037	4,842	732
2012	1,335	2,751	8,639	6,876	5,762	784
2013	1,194	2,302	4,459	8,345	6,622	1,172
2014	412	859	6,302	8,460	6,805	1,065
2015	1,404	2,968	8,888	8,507	6,498	1,064
2016	924	2,218	6,942	7,344	5,815	962
2017	351	883	5,592	4,892	3,438	596
2018	483	1,200	4,835	4,652	3,262	527
2019	1,480	3,919	6,567	1,659	688	89

Year	Sculpins			Sea Basses		
	Pounds Harvested (thousands)	Number Harvested (thousands)	Number Released (thousands)	Pounds Harvested (thousands)	Number Harvested (thousands)	Number Released (thousands)
2010	173	48	256	17,813	8,618	46,207
2011	247	135	330	11,120	5,904	39,803
2012	245	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	133	32	354	19,473	8,718	62,180
2018	109	32	259	15,435	6,621	39,061
2019	57	11	97	15,039	6,544	44,669

U.S. RECREATIONAL HARVEST AND TOTAL LIVE RELEASES, BY SPECIES GROUP, 2010-2019

Year	Sea Chubs			Searobins		
	Pounds Harvested (thousands)	Number Harvested (thousands)	Number Released (thousands)	Pounds Harvested (thousands)	Number Harvested (thousands)	Number Released (thousands)
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	1,008	928	31,956
2018	144	133	35	800	762	20,094
2019	-	82	3	906	993	20,525

Year	Silversides			Smelts		
	Pounds Harvested (thousands)	Number Harvested (thousands)	Number Released (thousands)	Pounds Harvested (thousands)	Number Harvested (thousands)	Number Released (thousands)
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)
2019	(1)	(1)	(1)	(1)	(1)	(1)

Year	Snappers			Surfperches		
	Pounds Harvested (thousands)	Number Harvested (thousands)	Number Released (thousands)	Pounds Harvested (thousands)	Number Harvested (thousands)	Number Released (thousands)
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	34,761	16,006	46,540	677	875	702
2018	32,491	15,144	42,694	27	89	80
2019	27,424	14,305	38,055	(1)	(1)	(1)

U.S. RECREATIONAL HARVEST AND TOTAL LIVE RELEASES, BY SPECIES GROUP, 2010-2019

Year	Temperate Basses			Toadfishes		
	Pounds Harvested (thousands)	Number Harvested (thousands)	Number Released (thousands)	Pounds Harvested (thousands)	Number Harvested (thousands)	Number Released (thousands)
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	40,979	9,858	51,245	107	134	4,604
2018	25,744	6,420	38,912	29	19	3,490
2019	26,605	8,611	39,673	72	40	3,676

Year	Triggerfishes/Filefishes			Tunas and Mackerels		
	Pounds Harvested (thousands)	Number Harvested (thousands)	Number Released (thousands)	Pounds Harvested (thousands)	Number Harvested (thousands)	Number Released (thousands)
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	1,745	874	4,280	67,450	31,079	16,579
2018	1,816	626	2,719	60,281	21,703	15,183
2019	1,845	643	2,478	62,789	24,825	18,445

Year	Wrasses		
	Pounds Harvested (thousands)	Number Harvested (thousands)	Number Released (thousands)
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	8,289	2,537	14,764
2018	3,915	1,502	10,310
2019	8,009	2,382	14,251

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 and 2019.

U.S. RECREATIONAL FINFISH HARVESTED AND RELEASED, 2018 AND 2019

State	2018		
	Pounds Harvested (1) (thousands)	Number Harvested (thousands)	Number Released (1) (thousands)
California	14,548	12,517	7,375
Oregon	2,319	542	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	-	1,213	662
Puerto Rico	-	-	-
Grand Total	**359,009**	**347,855**	**609,784**

State	2019		
	Pounds Harvested (1,2) (thousands)	Number Harvested (thousands)	Number Released (1,2) (thousands)
California	7,920	6,378	3,553
Oregon	3,367	675	197
Washington	3,626	518	136
Connecticut	8,233	4,615	13,330
Maine	1,931	3,146	3,083
Massachusetts	14,681	10,557	15,308
New Hampshire	2,920	2,112	1,411
Rhode Island	10,139	5,121	12,083
Delaware	1,390	1,057	3,455
Maryland	13,535	10,695	27,620
New Jersey	21,345	8,096	35,066
New York	33,322	19,945	60,625
Virginia	14,472	18,050	30,237
Florida	127,622	167,199	237,101
Georgia	5,571	5,680	13,799
North Carolina	23,819	22,992	58,781
South Carolina	10,083	12,404	44,271
Alabama	20,314	14,381	27,916
Louisiana	.	6,507	.
Mississippi	11,442	7,172	20,068
Hawaii	14,467	11,155	1,088
Texas	-	2,308	-
Alaska	-	-	-
Puerto Rico	-	-	-
Grand Total	**350,199**	**340,762**	**609,128**

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 and 2019.

U.S. RECREATIONAL FISHING TRIPS BY STATE, 2018 AND 2019

State	Number of Angler Trips (1) (Numbers in thousands)	
	2018	2019
California	3,405	3,367
Oregon	210	238
Washington	127	150
Connecticut	3,543	3,766
Maine	1,626	1,675
Massachusetts	6,705	7,422
New Hampshire	676	609
Rhode Island	2,553	3,739
Delaware	2,147	2,108
Maryland	6,762	6,836
New Jersey	12,493	13,380
New York	11,242	13,412
Virginia	6,386	7,238
Florida	84,983	71,575
Georgia	4,593	4,021
North Carolina	16,624	17,540
South Carolina	9,897	11,839
Alabama	6,681	6,677
Louisiana	2,276	2,108
Mississippi	4,555	4,227
Hawaii	3,421	3,479
Texas	1,247	1,313
Alaska	861	-
Grand Total	**193,013**	**186,718**

NOTES: (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 not sampled in 2018 and 2019.

World Fisheries

WORLD AQUACULTURE AND COMMERCIAL CATCHES, 2009-2018

Year	World Aquaculture			World Commercial Catch			Grand Total
	Inland	Marine	Total	Inland	Marine	Total	
	---------- Metric tons ----------			---------- Metric tons ----------			
	Live weight			Live weight			
2009	33,752,557	21,404,415	55,156,971	10,328,045	78,725,767	89,053,812	144,210,783
2010	35,942,663	21,801,279	57,743,941	10,863,861	76,264,612	87,128,473	144,872,414
2011	37,102,952	22,685,787	59,788,739	10,502,636	81,122,213	91,624,849	151,413,588
2012	39,574,116	23,906,018	63,480,134	10,881,033	77,753,302	88,634,335	152,114,469
2013	42,128,263	24,823,408	66,951,670	10,915,448	78,817,518	89,732,966	156,684,636
2014	44,327,226	26,178,696	70,505,922	11,045,069	79,334,023	90,379,092	160,885,014
2015	45,770,631	27,000,674	72,771,305	11,149,444	80,507,214	91,656,658	164,427,963
2016	47,977,407	28,526,336	76,503,744	11,365,382	78,272,077	89,637,459	166,141,203
2017	49,550,392	29,994,484	79,544,876	11,908,111	81,208,026	93,116,137	172,661,013
2018	51,338,864	30,756,189	82,095,054	12,021,383	84,412,380	96,433,763	178,528,817

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, 2017-2018

Species group	2017			2018		
	Aquaculture	Catch	Total	Aquaculture	Catch	Total
	----------Metric tons---------			----------Metric tons---------		
	Live weight			Live weight		
Herrings, sardines, anchovies	-	16,747,332	16,747,332	-	19,820,354	19,820,354
Carps, barbels, cyprinids	28,136,822	1,679,336	29,816,158	29,225,694	1,813,266	31,038,960
Cods, hakes, haddocks	521	9,434,568	9,435,089	524	9,316,361	9,316,885
Tunas, bonitos, billfishes	37,073	7,765,803	7,802,876	46,848	7,913,008	7,959,856
Salmons, trouts, smelts	3,488,475	993,773	4,482,248	3,555,880	1,134,386	4,690,266
Tilapias	5,935,404	802,659	6,738,063	6,031,432	850,770	6,882,202
Flatfish	181,309	976,507	1,157,816	176,771	975,893	1,152,664
Sharks, rays, chimaeras	-	685,509	685,509	-	679,979	679,979
Shads	425	808,892	809,317	640	777,792	778,432
River eels	259,857	7,491	267,348	268,952	8,150	277,102
Sturgeons, paddlefish	98,831	259	99,090	115,236	222	115,458
Other fishes	14,548,418	39,756,321	52,344,946	14,857,026	39,853,881	54,710,907
Shrimp	5,716,371	3,462,692	9,179,063	6,004,353	3,455,260	9,459,613
Crabs	399,280	1,741,857	2,047,923	399,582	1,653,140	2,052,722
Lobsters	3,103	309,756	312,859	1,760	304,478	306,238
Krill	-	251,957	251,957	-	322,433	322,433
Other crustaceans	2,508,355	767,434	2,988,849	2,980,841	753,529	3,734,370
Clams, cockles, arkshells	5,641,085	558,786	6,199,871	5,577,541	498,131	6,075,672
Oysters	5,729,109	145,631	5,874,740	5,994,895	147,023	6,141,918
Squids, cuttlefishes, octopus	2	3,769,901	3,769,903	1	3,636,575	3,636,576
Mussels	2,071,936	85,911	2,157,847	2,112,638	84,158	2,196,796
Scallops	2,185,233	630,928	2,816,161	2,136,103	756,390	2,892,493
Abalones, winkles, conchs	423,228	172,923	596,151	426,393	172,963	599,356
Other mollusks	1,253,223	975,832	2,479,488	1,263,379	949,046	2,212,425
Sea urchins, other echinoderms	234,028	116,431	350,459	186,641	114,531	301,172
Miscellaneous	692,789	467,649	1,168,995	731,926	442,044	1,173,970
Total	**79,544,876**	**93,116,137**	**172,661,013**	**82,095,054**	**96,433,763**	**178,528,817**

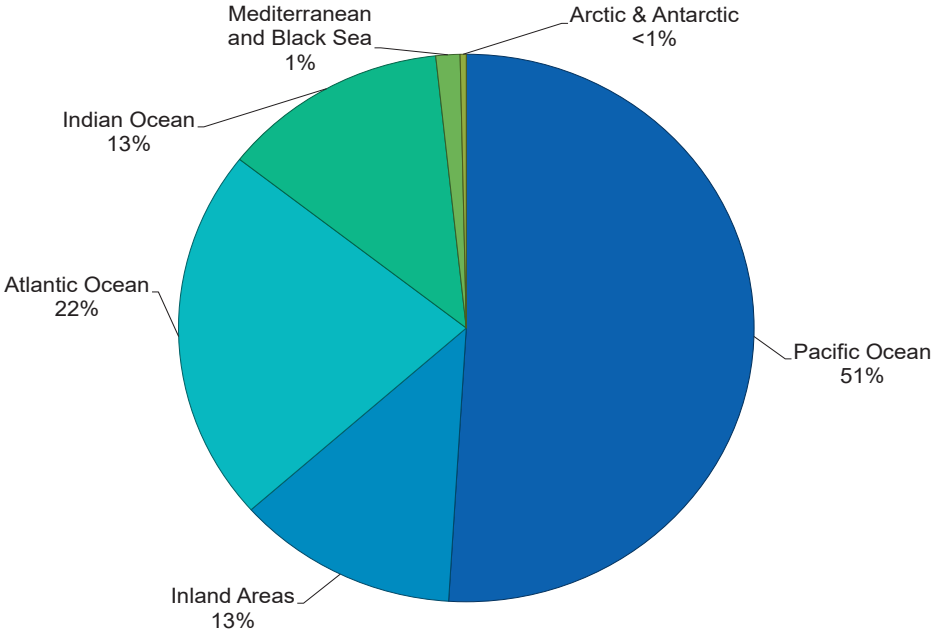
Note: Data for marine mammals and aquatic plants are excluded.
Source: Food and Agriculture Organization of the United Nations (FAO).

WORLD AQUACULTURE AND COMMERCIAL CATCHES BY COUNTRY OF FISH, CRUSTACEANS, AND MOLLUSKS, 2017-2018

Country	2017			2018		
	Aquaculture	Catch	Total	Aquaculture	Catch	Total
	----------Metric tons----------			----------Metric tons----------		
	Live weight			Live weight		
China	46,823,949	15,373,194	62,197,143	47,559,074	14,647,819	62,206,893
Indonesia	5,507,505	6,736,358	12,243,863	5,426,943	7,215,215	12,642,158
India	6,180,000	5,531,313	11,711,313	7,066,000	5,320,253	12,386,253
Vietnam	3,820,960	3,315,207	7,136,167	4,134,000	3,347,039	7,481,039
Peru	100,457	4,157,414	4,257,871	103,597	7,169,805	7,273,402
Russia	185,027	4,864,460	5,049,487	199,505	5,108,854	5,308,359
United States	439,670	5,033,950	5,473,620	468,185	4,744,418	5,212,603
Bangladesh	2,333,352	1,801,084	4,134,436	2,405,416	1,871,225	4,276,641
Norway	1,308,485	2,378,511	3,686,996	1,354,941	2,488,979	3,843,920
Japan	615,338	3,205,749	3,821,087	642,854	3,130,925	3,773,779
Chile	1,202,948	1,918,958	3,121,906	1,266,054	2,122,431	3,388,485
Myanmar	1,048,692	2,155,440	3,204,132	1,130,350	2,033,110	3,163,460
Philippines	822,466	1,887,058	2,709,524	826,060	2,049,572	2,875,632
Thailand	893,974	1,500,447	2,394,421	890,864	1,707,136	2,598,000
Mexico	243,283	1,628,669	1,871,952	247,192	1,692,045	1,939,237
Egypt	1,451,841	370,959	1,822,800	1,561,457	373,285	1,934,742
South Korea	573,194	1,353,619	1,926,813	568,350	1,336,286	1,904,636
Malaysia	224,550	1,470,290	1,694,840	217,894	1,457,621	1,675,515
Morocco	1,198	1,377,454	1,378,652	1,137	1,371,716	1,372,853
Brazil	595,000	718,180	1,313,180	605,000	714,292	1,319,292
All others	5,172,987	26,337,823	31,510,810	5,420,181	26,531,737	31,951,918
Total	**79,544,876**	**93,116,137**	**172,661,013**	**82,095,054**	**96,433,763**	**178,528,817**

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 elsewhere. 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, 2018



WORLD AQUACULTURE AND COMMERCIAL CATCHES BY AREA OF FISH, CRUSTACEANS, AND MOLLUSKS, 2017-2018

Marine Areas	2017			2018		
	Aquaculture	Catch	Total	Aquaculture	Catch	Total
	----------Metric tons---------			----------Metric tons---------		
	Live weight			Live weight		
Atlantic Ocean:						
Northeast	2,167,143	9,333,350	11,500,493	2,227,838	9,316,499	11,544,337
Northwest	125,722	1,754,994	1,880,716	122,197	1,682,461	1,804,658
Eastern central	7,799	5,405,629	5,413,428	8,255	5,497,048	5,505,303
Western central	161,810	1,453,388	1,615,198	178,461	1,490,298	1,668,759
Southeast	4,175	1,679,109	1,683,284	4,498	1,553,995	1,558,493
Southwest	80,952	1,841,523	1,922,475	76,544	1,788,633	1,865,177
Mediterranean and						
Black Sea	765,344	1,356,838	2,122,182	829,953	1,307,260	2,137,213
Indian Ocean:						
Eastern	605,107	6,923,132	7,528,239	585,274	6,769,644	7,354,918
Western	760,696	5,445,917	6,206,613	844,054	5,513,759	6,357,813
Pacific Ocean:						
Northeast	130,093	3,377,244	3,507,337	129,505	3,090,706	3,220,211
Northwest	19,141,546	20,236,865	39,378,411	19,357,278	20,058,661	39,415,939
Eastern central	249,600	1,748,375	1,997,975	262,223	1,753,664	2,015,887
Western central	3,995,824	12,729,643	16,725,467	4,205,862	13,540,458	17,746,320
Southeast	1,679,624	7,193,504	8,873,128	1,817,739	10,269,885	12,087,624
Southwest	119,048	470,818	589,866	106,510	448,794	555,304
Arctic	-	418	418	-	113	113
Antarctic	-	257,278	257,278	-	330,502	330,502
Inland Areas:						
Africa	1,793,130	2,996,440	4,789,570	1,893,393	3,004,436	4,897,829
Asia	46,068,474	7,904,191	53,972,665	47,719,324	7,953,840	55,673,164
Europe	510,323	413,005	923,328	507,879	411,666	919,545
North America	427,959	222,577	650,536	441,850	298,234	740,084
South America	745,309	353,760	1,099,069	770,825	335,275	1,106,100
Oceania	5,197	18,138	23,335	5,593	17,931	23,524
Total	**79,544,876**	**93,116,137**	**172,661,013**	**82,095,054**	**96,433,763**	**178,528,817**

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, 2014-2018

Country	2014	2015	2016	2017	2018
	Thousand U.S. dollars				
IMPORTS:					
United States	21,305,873	19,820,311	20,546,742	21,639,466	23,731,780
Japan	14,844,738	13,460,585	13,878,490	14,997,942	15,373,386
China	8,501,380	8,467,702	8,783,461	10,679,437	14,345,506
Spain	6,982,926	6,440,496	7,107,504	7,979,020	8,568,488
Italy	6,094,933	5,537,898	6,152,964	6,546,856	7,038,134
France	6,596,651	5,730,886	6,177,285	6,698,942	6,995,148
Germany	6,029,092	5,132,326	5,601,465	5,718,418	5,983,850
South Korea	4,271,146	4,349,541	4,604,070	5,103,715	5,914,981
Sweden	4,783,346	4,424,106	5,187,383	4,930,538	5,624,905
Netherlands	3,679,566	3,055,765	3,328,223	4,294,914	4,518,627
Other Countries	58,217,073	51,185,701	53,669,410	57,751,932	61,598,386
Total	**141,306,724**	**127,605,317**	**135,036,997**	**146,341,180**	**159,693,191**
EXPORTS:					
China	20,984,231	19,737,723	20,131,384	20,524,313	21,663,314
Norway	10,802,761	9,187,704	10,770,007	11,282,174	11,980,085
Viet Nam	8,028,649	6,756,070	7,320,009	8,542,597	8,866,839
India	5,600,900	4,871,591	5,546,049	7,173,609	6,929,760
Chile	5,854,098	4,812,362	5,143,365	5,991,129	6,794,232
Thailand	6,633,959	5,677,394	5,892,629	6,015,280	6,049,883
United States	6,143,310	5,911,022	5,812,480	6,088,538	5,989,772
Netherlands	4,032,476	3,612,174	4,182,424	5,260,237	5,619,599
Canada	4,527,531	4,704,012	5,004,046	5,351,728	5,424,260
Russia	3,806,145	3,658,288	3,854,796	4,506,580	5,284,281
Other Countries	72,225,998	64,377,983	69,068,593	75,280,264	80,841,772
Total	**148,640,058**	**133,306,323**	**142,725,782**	**156,016,449**	**165,443,797**

NOTE: Data for 2014-2017 are revised and for 2018 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 air-tight containers; 6. Oils and fats, crude or refined, of aquatic animal origin; and 7. Meals, solubles, and similar animal foodstuffs of aquatic animal origin.

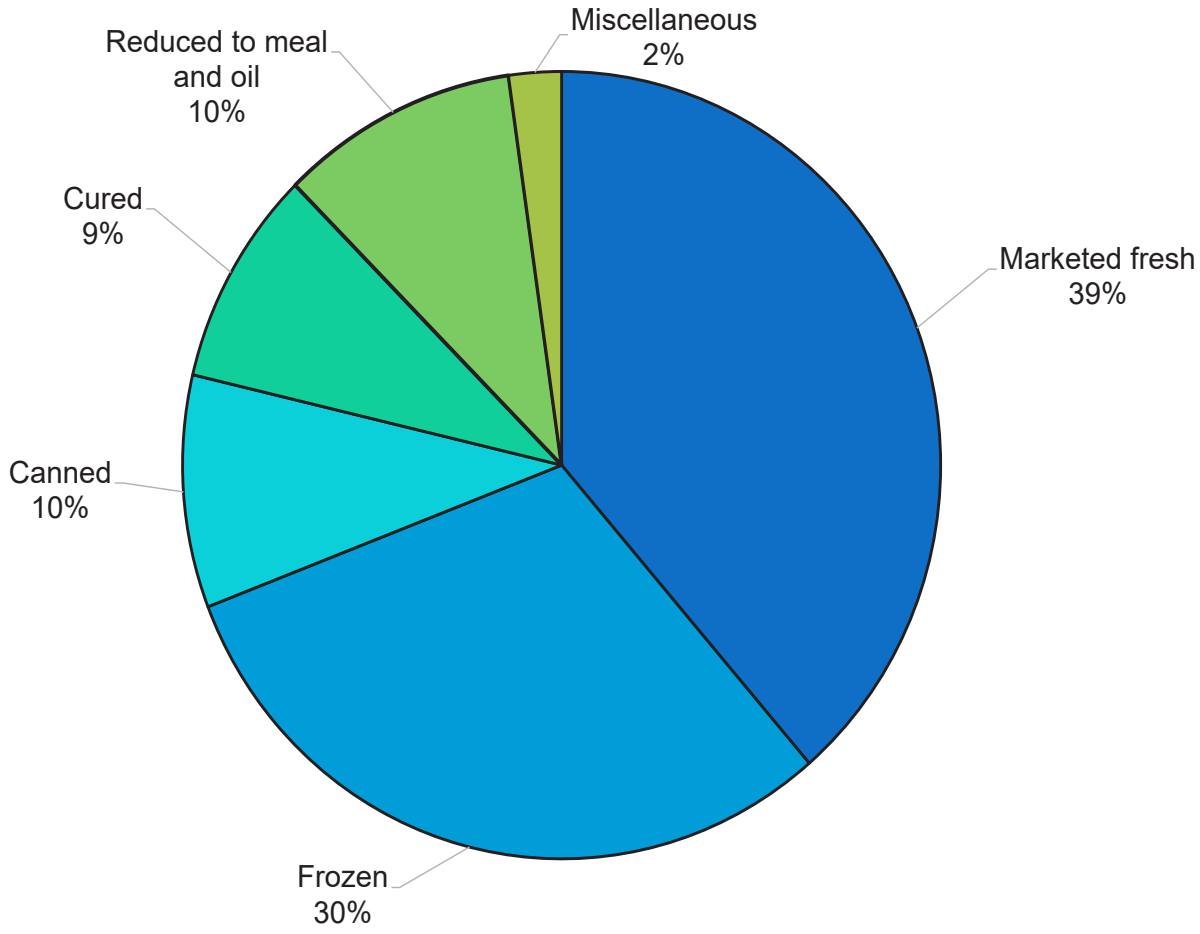
Source: Food and Agriculture Organization of the United Nations (FAO).

DISPOSITION OF WORLD AQUACULTURE AND COMMERCIAL CATCHES, 2014-2018

Item	2014	2015	2016	2017	2018
	Percent of Total				
Marketed fresh	38	39	39	39	39
Frozen	32	30	31	31	30
Canned	11	10	10	10	10
Cured	9	9	9	9	9
Reduced to meal and oil (1)	9	9	9	9	10
Miscellaneous purposes	2	2	2	2	2
Total	**100**	**100**	**100**	**100**	**100**

NOTE: Data for 2014-2017 are revised and are preliminary for 2018. 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, 2018



Processed Fishery Products

FRESH AND FROZEN

FISH STICKS AND PORTIONS. The combined production of fish sticks and portions was 146 million pounds valued at $265.5 million compared with the 2018 production of 130 million pounds valued at $235.1 million. The total production of fish sticks amounted to 56.1 million pounds valued at $95.8 million. The total production of fish portions amounted to 90 million pounds valued at $169.6 million.

FISH FILLETS AND STEAKS. In 2019, the U.S. production of raw (uncooked) fish fillets and steaks, including blocks, was 795.4 million pounds, 43.7 million pounds more than the 751.7 million pounds in 2018 due to increases in salmon, Alaska Pollock, hake and ocean perch fillets. All fillets and steaks were valued at $2.4 billion. Alaska pollock fillets and blocks continue to lead all species with 475.6 million pounds–an increase from the 441.6 million pounds in 2018, and representing 60 percent of the total. Production of groundfish fillets and steaks (cod, hake, ocean perch, pollock, cusk, and haddock) was 604.9 million pounds, an increase of 37 million pounds from 2018.

BREADED SHRIMP. The production of breaded shrimp in 2019 was 120.5 million pounds valued at $339.4 million. This represents an increase in volume and a decrease in value from the 2018 production of 120.3 million pounds valued at $342 million.

CANNED PRODUCTS

CANNED FISHERY PRODUCTS. The pack of canned fishery products in the 50 states, American Samoa, and Puerto Rico was 871.6 million pounds valued at $1.5 billion—an increase in volume of 76.3 million pounds and $151 million dollars compared to 2018. The 2019 pack included 573.4 million pounds with a value of $1.2 billion for human consumption and 298.2 million pounds valued at $229 million for bait and animal food.

CANNED SALMON. The 2019 U.S. pack of salmon was 112.4 million pounds valued at $322 million, increases in volume and value from the 2018 levels of 65.6 million pounds and $185.7 million.

CANNED TUNA. The U.S. pack of tuna was 378.8 million pounds valued at $798.4 million—increases of 32.4 million pounds in volume and $22.4 million in value compared with the 2018 pack. The pack of albacore tuna was 132.1 million pounds comprising 35 percent of the tuna pack in 2019. Lightmeat tuna (bigeye, bluefin, skipjack, and yellowfin) comprised the remainder with a pack of 246.7 million pounds.

CANNED CLAMS. The 2019 U.S. pack of clams (whole, minced, chowder, juice, and specialties) was 62.1 million pounds valued at $105.1 million. The pack of whole and minced clams was 34.0 million pounds. Clam chowder and clam juice was 28.1 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 298.2 million pounds valued at $229.1 million—decreases in volume and value compared to 2018.

INDUSTRIAL FISHERY PRODUCTS

INDUSTRIAL FISHERY PRODUCTS. The value of the domestic production of industrial fishery products was $560 million—a decrease of $196.8 million compared with the 2018 value.

FISH MEAL. The domestic production of fish and shellfish meal was 579.6 million pounds valued at $315.5 million, decreases of 50.7 million pounds and $102.7 million compared with 2018. Most of this production was fish meal (587.1 million pounds) while shellfish meal production was 1.6 million pounds—an increase of 1.4 million pounds from the 2018 level.

FISH OILS. The domestic production of fish oils was 150.3 million pounds (approximately 19.4 million gallons) valued at $44.4 million, a decrease of 4.5 million pounds and $70.4 million in value compared with 2018 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 $200.5 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 (FEUS). 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 the 2018 edition of FUS, 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 Classification System (NAICS) and, therefore, it cannot be assumed that the number of companies surveyed by the BLS is comparable to the number of companies surveyed by NMFS.

Processed Fishery Products

VALUE OF PROCESSED FISHERY PRODUCTS, 2018 AND 2019 (Processed from domestic catch and imported products)				
Item	2018 (1)		2019	
	Thousand dollars	Percent of total	Thousand dollars	Percent of total
Edible:				
Fresh and frozen	9,369,324	**80**	9,593,321	**80**
Canned	1,091,011	**9**	1,243,880	**10**
Cured	276,431	**2**	321,060	**3**
Total edible	**10,736,766**	**92**	**11,158,261**	**93**
Industrial:				
Bait and animal food	247,015	**2**	245,428	**2**
Meal and oil	533,043	**5**	359,960	**3**
Other	215,929	**2**	193,359	**2**
Total industrial	**995,987**	**8**	**798,747**	**7**
Grand total	**11,732,753**	**100**	**11,957,009**	**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, 2010-2019

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
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	55,452	25,153	94,016	74,178	33,647	141,093	120,295	54,565	341,961
2019	56,128	25,459	95,831	90,132	40,884	169,640	120,538	54,676	339,426

PRODUCTION OF FRESH AND FROZEN FILLETS AND STEAKS, BY SPECIES, 2018 AND 2019

Species	2018 (1)			2019		
	Thousand pounds	Metric tons	Thousand dollars	Thousand pounds	Metric tons	Thousand dollars
Fillets:						
Amberjack	8	4	64	8	4	68
Anglerfish	605	274	3,027	508	230	2,499
Bluefish	64	29	232	73	33	269
Cobia	26	12	311	16	7	197
Cod	62,478	28,340	334,511	61,746	28,008	327,328
Cusk	10	5	33	8	4	19
Dolphinfish	3,194	1,449	15,440	2,466	1,119	15,014
Flounders	9,814	4,452	43,959	9,461	4,291	50,541
Groupers	1,469	666	19,093	1,277	579	16,399
Haddock	8,075	3,663	42,314	8,449	3,832	45,277
Hake	50,953	23,112	66,722	53,904	24,451	66,145
Halibut	4,506	2,044	46,901	4,649	2,109	49,141
Lingcod	196	89	908	256	116	1,044
Ocean perch:						
Atlantic	1,847	838	7,851	2,149	975	9,169
Pacific	1,839	834	5,041	2,324	1,054	6,974
Opah	481	218	1,548	487	221	1,465
Patagonian Toothfish	525	238	11,692	434	197	9,685
Pollock:						
Atlantic	790	358	2,764	798	362	2,599
Alaska	441,593	200,305	608,502	475,618	215,739	734,662
Rockfishes	3,205	1,454	9,233	3,810	1,728	11,199
Sablefish	269	122	3,505	396	180	4,514
Salmon	118,463	53,734	695,002	125,883	57,100	737,308
Sea bass	312	142	2,468	265	120	2,113
Sea trout	54	24	441	50	23	384
Shark	471	214	854	470	213	853
Snapper	1,389	630	12,425	1,384	628	12,480
Striped bass	376	171	3,216	315	143	2,828
Swordfish	3,075	1,395	27,858	2,552	1,158	23,415
Tilapia	5,728	2,598	21,385	5,804	2,633	21,753
Tuna	11,160	5,062	105,046	10,942	4,963	96,792
Wahoo	421	191	2,237	465	211	2,221
Yellowtail Jack	188	85	1,309	175	79	1,290
Unclassified	12,745	5,781	71,175	12,500	5,670	69,072
Total Fillet	**746,329**	**338,533**	**2,167,067**	**789,642**	**358,179**	**2,324,717**
Steaks:						
Halibut	782	355	8,805	849	385	9,495
Salmon	(2)	(2)	(2)	(2)	(2)	(2)
Swordfish	1,689	766	6,361	1,690	767	6,369
Tuna	835	379	8,631	768	348	7,751
Unclassified	2,076	942	8,682	2,470	1,120	8,972
Total Steaks	**5,382**	**2,441**	**32,479**	**5,777**	**2,620**	**32,587**
Grand total	**751,711**	**340,974**	**2,199,546**	**795,419**	**360,800**	**2,357,304**

(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, 2018 AND 2019

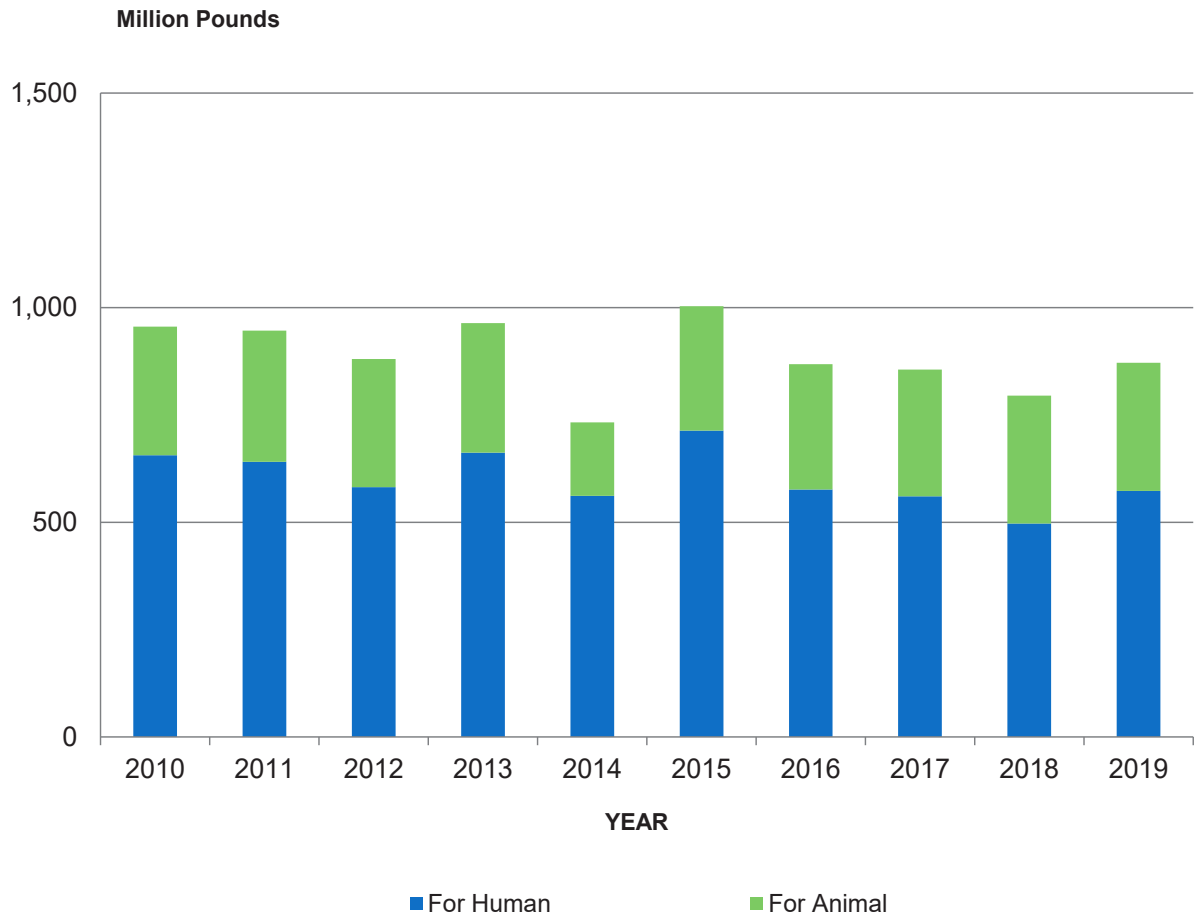
Species	Pounds per case	2018 (1)			2019		
		Standard cases	Thousand pounds	Thousand dollars	Standard cases	Thousand pounds	Thousand dollars
For human consumption:							
Fish:							
Salmon:							
Chinook	44.25	181	8	88	203	9	118
Chum	44.25	16,271	720	1,095	27,390	1,212	1,354
Pink	44.25	993,672	43,970	97,378	2,117,989	93,721	227,871
Coho	44.25	116,633	5,161	2,284	19,616	868	2,159
Sockeye	44.25	355,390	15,726	84,833	375,548	16,618	90,597
Total salmon		**1,482,147**	**65,585**	**185,678**	**2,540,746**	**112,428**	**322,099**
Specialties	48	4,223	203	1,590	4,497	216	1,863
Tuna: (2)							
Albacore:							
Solid	18	6,856,389	123,415	338,282	6,125,889	110,266	314,428
Chunk	18	1,234,278	22,217	51,789	1,210,611	21,791	51,978
Total albacore		**8,090,667**	**145,632**	**390,071**	**7,336,500**	**132,057**	**366,406**
Lightmeat:							
Solid	18	569,111	10,244	33,039	2,133,722	38,407	83,780
Chunk	18	10,585,111	190,532	352,813	11,573,111	208,316	348,168
Total lightmeat		**11,154,222**	**200,776**	**385,852**	**13,706,833**	**246,723**	**431,948**
Total tuna		**19,244,889**	**346,408**	**775,923**	**21,043,333**	**378,780**	**798,354**
Specialties	48	42	2	27	42	2	30
Other	48	2,365	114	434	648	31	296
Total fish		**20,733,665**	**412,311**	**963,652**	**23,589,265**	**491,457**	**1,222,642**
Shellfish:							
Clam and clam products: (3)							
Whole and minced	15	2,259,933	33,899	77,898	2,268,267	34,024	80,014
Chowder and juice	30	1,013,127	30,394	29,156	935,963	28,079	25,126
Specialties	48	(5)	(5)	(5)	(5)	(5)	(5)
Total clams		**3,273,060**	**64,293**	**107,054**	**3,204,229**	**62,103**	**105,140**
Crab meat and specialties:	20	4,142	81	315	2,427	47	212
Oyster, specialties	48	(5)	(5)	(5)	(5)	(5)	(5)
Shrimp, natural (4)	6.75	(5)	(5)	(5)	(5)	(5)	(5)
Other	48	424,557	20,379	19,989	412,676	19,808	15,944
Total shellfish		**3,701,759**	**84,752**	**127,358**	**3,619,332**	**81,959**	**121,295**
Total for human consumption		**24,435,424**	**497,063**	**1,091,010**	**27,208,597**	**573,416**	**1,243,937**
For bait and animal food	**48**	**6,212,861**	**298,217**	**230,911**	**6,211,842**	**298,168**	**229,088**
Grand total		**30,648,285**	**795,281**	**1,321,921**	**33,420,439**	**871,584**	**1,473,025**

(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, 2010-2019

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
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	497,063	225,467	1,091,010	298,217	135,270	230,911	795,281	360,737	1,321,921
2019	573,412	260,098	1,243,879	298,168	135,248	229,088	871,580	395,346	1,472,967

Production of Canned Fishery Products, 2010-2019



Processed Fishery Products

PRODUCTION OF MEAL AND OIL, 2018 AND 2019						
Product	2018			2019		
	Thousand pounds	Metric tons	Thousand dollars	Thousand pounds	Metric tons	Thousand dollars
Dried scrap and meal:						
Fish	630,199	285,856	418,126	578,083	262,217	314,652
Shellfish	165	75	136	1,566	710	885
Total, scrap and meal	**630,364**	**285,931**	**418,262**	**579,649**	**262,927**	**315,537**
Body oil, total	**154,785**	**70,210**	**114,781**	**150,267**	**68,161**	**44,423**

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

PRODUCTION OF INDUSTRIAL PRODUCTS, 2010-2019

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 - - - - - - -		
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	630,364	285,931	154,785	70,210	533,043	224,237	757,280
2019	579,649	262,927	150,267	68,161	359,960	200,507	560,467

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	184	1,359	217	2,101
New Hampshire	7	(3)	12	98	19	98
Massachusetts	45	2,457	163	2,407	208	4,864
Rhode Island	8	212	30	(3)	38	(3)
Connecticut	4	80	21	(3)	25	80
Total	**97**	**3,491**	**410**	**3,864**	**507**	**7,143**
Middle Atlantic:						
New York	23	390	279	2,190	302	2,580
New Jersey	18	496	83	1,059	101	1,555
Pennsylvania	4	84	29	703	33	787
Delaware	4	(3)	8	24	12	24
District of Columbia	-	-	3	(3)	3	(3)
Maryland	19	325	44	809	63	1,134
Virginia	36	1,329	64	522	100	1,851
Total	**104**	**2,624**	**510**	**5,307**	**614**	**7,931**
South Atlantic:						
North Carolina	26	686	70	796	96	1,482
South Carolina	4	17	22	168	26	185
Georgia	7	717	31	801	38	1,518
Florida	42	1,574	321	2,694	363	4,268
Total	**79**	**2,994**	**444**	**4,459**	**523**	**7,453**
Gulf:						
Alabama	34	1,449	13	255	47	1,704
Mississippi	23	2,432	22	123	45	2,555
Louisiana	60	1,592	106	758	166	2,350
Texas	48	1,542	154	1,409	202	2,951
Total	**165**	**7,015**	**295**	**2,545**	**460**	**9,560**
Pacific:						
Alaska	144	8,808	13	119	157	8,927
Washington	83	5,749	161	1,708	244	7,457
Oregon	34	1,245	29	525	63	1,770
California	45	1,081	435	4,970	480	6,051
Hawaii	3	(3)	32	715	35	715
Total	**309**	**16,883**	**670**	**8,037**	**979**	**24,920**
Inland States or Other Areas (4): Total	**63**	**1,590**	**301**	**3,678**	**364**	**5,268**
Grand Total	**817**	**34,597**	**2,630**	**27,890**	**3,447**	**62,487**

(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, 2019

Area and State	Processing (1)		Wholesale (2)		Total	
	Plants	Employment	Plants	Employment	Plants	Employment
	----------Number----------					
New England:						
Maine	29	738	182	1,356	211	2,094
New Hampshire	7	(3)	16	97	23	97
Massachusetts	46	2,780	159	2,359	205	5,139
Rhode Island	8	200	32	(3)	40	(3)
Connecticut	4	85	21	(3)	25	85
Total	**94**	**3,803**	**410**	**3,812**	**504**	**7,415**
Middle Atlantic:						
New York	21	362	283	2,169	304	2,531
New Jersey	18	517	80	1,083	98	1,600
Pennsylvania	4	88	28	721	32	809
Delaware	4	(3)	8	26	12	26
District of Columbia	-	-	3	(3)	3	(3)
Maryland	20	340	49	719	69	1,059
Virginia	34	1,227	78	514	112	1,741
Total	**101**	**2,534**	**529**	**5,232**	**630**	**7,766**
South Atlantic:						
North Carolina	26	765	68	846	94	1,611
South Carolina	4	14	27	184	31	198
Georgia	8	705	31	822	39	1,527
Florida	41	1,670	335	2,823	376	4,493
Total	**79**	**3,154**	**461**	**4,675**	**540**	**7,829**
Gulf:						
Alabama	31	1,283	13	281	44	1,564
Mississippi	23	2,424	24	130	47	2,554
Louisiana	59	1,645	101	722	160	2,367
Texas	51	1,520	161	1,478	212	2,998
Total	**164**	**6,872**	**299**	**2,611**	**463**	**9,483**
Pacific:						
Alaska	144	9,104	13	90	157	9,194
Washington	82	5,494	164	1,721	246	7,215
Oregon	37	1,339	33	525	70	1,864
California	48	1,464	437	4,966	485	6,430
Hawaii	3	(3)	33	713	36	713
Total	**314**	**17,401**	**680**	**8,015**	**994**	**25,416**
Inland States or Other						
Areas (4): Total	**64**	**1,642**	**316**	**3,774**	**380**	**5,416**
Grand Total	**816**	**35,406**	**2,695**	**28,119**	**3,511**	**63,525**

(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 2019 as revised on June 4, 2020, (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 2019 were 6.0 billion pounds, valued at $22.2 billion. A decrease of 81.4 million pounds (1.3%) and $286.1 million (1.3%) from 2018.

Edible imports consisted of 5.0 billion pounds of fresh and frozen products valued at $19.3 billion, 776.2 million pounds of canned products valued at $2.2 billion, 88.4 million pounds of cured products valued at $302.9 million, 8.0 million pounds of caviar and roe products valued at $69.4 million, and 89.1 million pounds of other products valued at $252.2 million.

The quantity of shrimp imported in 2019 was 1.5 billion pounds, 6.4 million pounds more than the quantity imported in 2018. Valued at $6.0 billion, shrimp imports accounted for 27.1 percent of the value of total edible imports. Imports of fresh and frozen salmon, including fillets, were 886.4 million pounds valued at $4.0 billion in 2019. Imports of fresh and frozen tuna, including steaks, were 336.8 million pounds, 74.1 million pounds more than the 262.7 million pounds imported in 2018. Imports of canned tuna were 355.3 million pounds, a 9.4 million pounds increase over 2018. Imports of fresh and frozen fillets and steaks amounted to 1.4 billion pounds, decreasing 146.0 million pounds from 2018. Fish meat imports were 33.0 million pounds valued at $111.9. Regular block imports were 67.2 million pounds, an increase of 9.2 million pounds from 2018.

Imports of nonedible fishery products were valued at $17.6 billion, a decrease of $286.1 million compared with 2018. The total value of edible and nonedible fishery imports was $39.7 billion in 2019, $575.8 million less than in 2018.

EXPORTS

U.S. exports of edible fishery products were 2.8 billion pounds valued at $5.2 billion, decreasing 161.8 million pounds (5.5%) from 2018. Value decreased $376.8 million (6.7%). Fresh and frozen exports were 2.5 billion pounds valued at $4.6 billion, a decrease of 163.1 million pounds (5.6%) and a decrease of $324.7 million (6.6%) compared with 2018. In terms of individual items, fresh and frozen exports consisted principally of 400.7 million pounds of salmon valued at $883.2 million, 402.1 million pounds of surimi valued at $498.5 million, and 91.9 million pounds of lobsters valued at $626.6 million.

Canned items were 66.5 million pounds valued at $192.7 million. Salmon was the major canned item exported, with 46.7 million pounds valued at $157.5 million. Cured items were 45.5 million pounds valued at $15.9 million. Caviar and roe exports were 106.2 million pounds valued at $357.3 million.

Exports of nonedible products were valued at $21.9 billion, a decrease of $1.2 billion when compared with 2018 (5.3%). Exports of fish meal amounted to 375.7 million pounds valued at $197.3 million. The total value of edible and nonedible exports was $27.1 billion, a decrease of $1.6 billion (5.6%) compared with 2018.

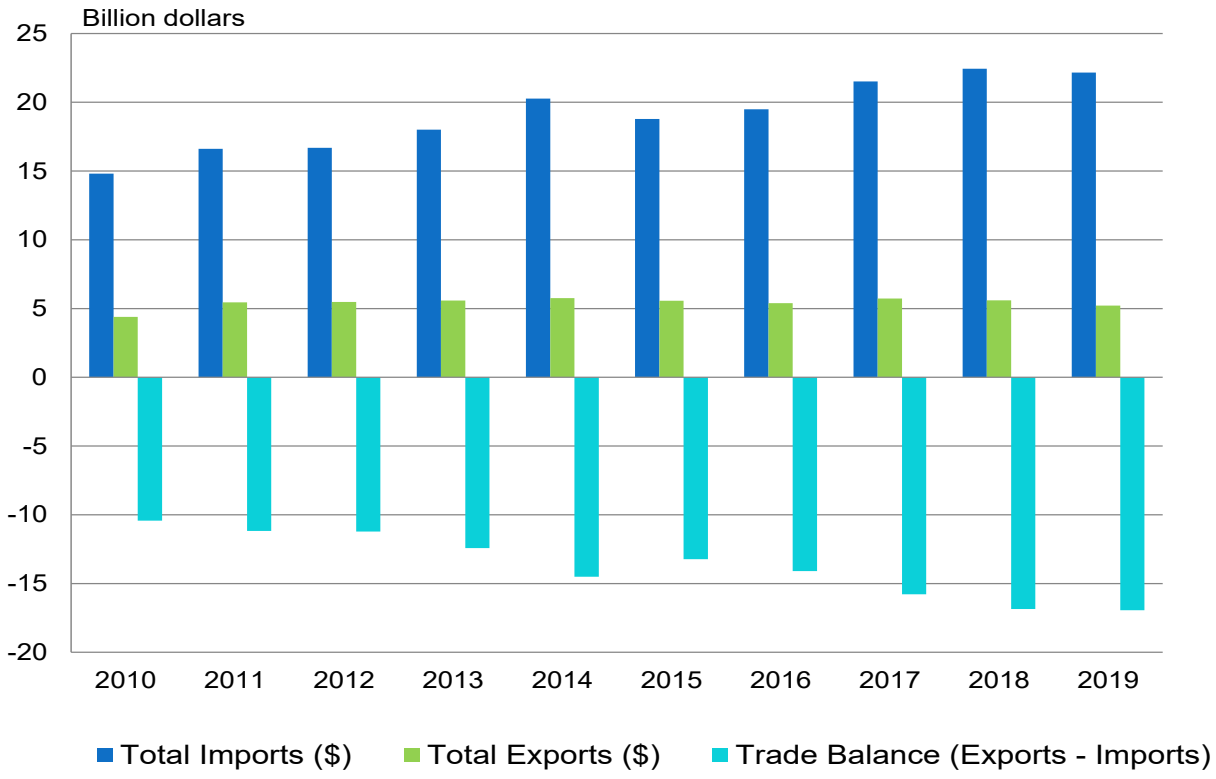
DATA NOTES

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.

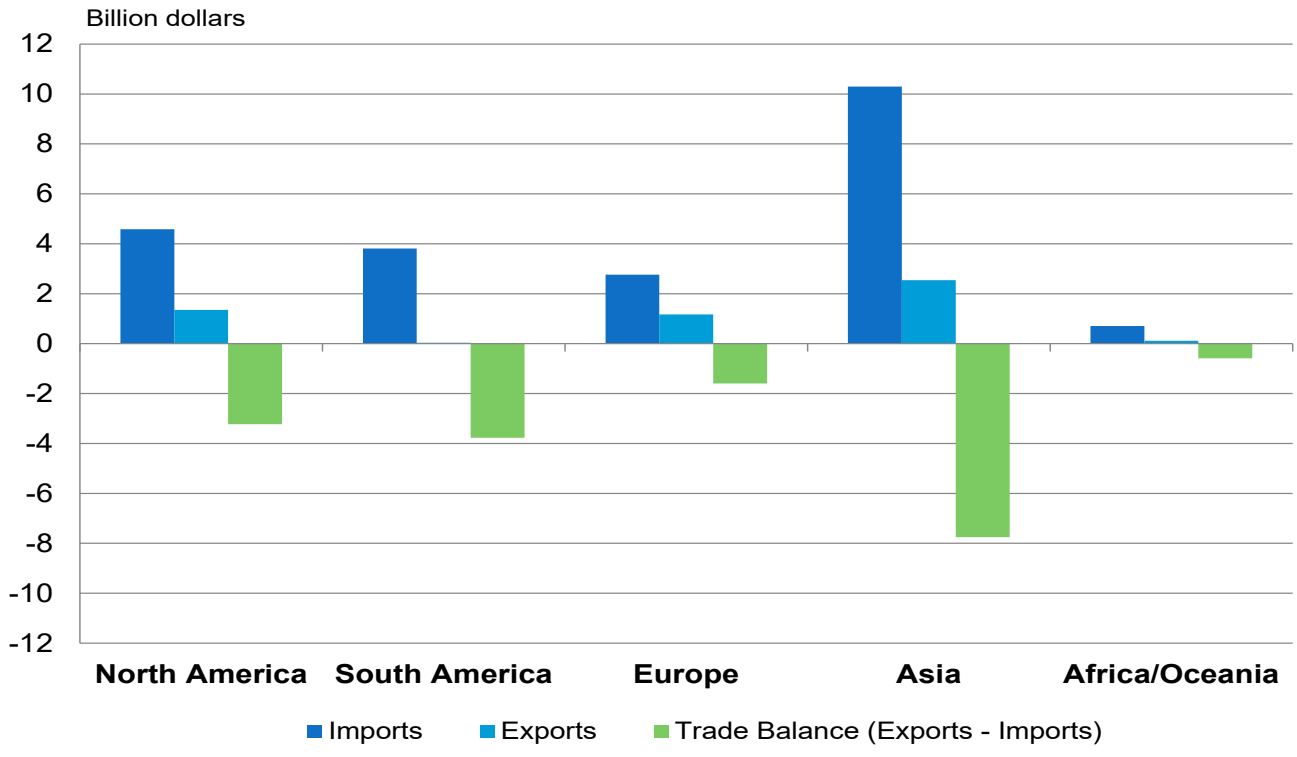
The export value is generally equivalent to the free alongside ship (f.a.s.) value at the U.S. port of export based on the transaction price, including inland freight, insurance, and other charges incurred in placing the merchandise alongside the carrier at the U.S. port of exportation. The value excludes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

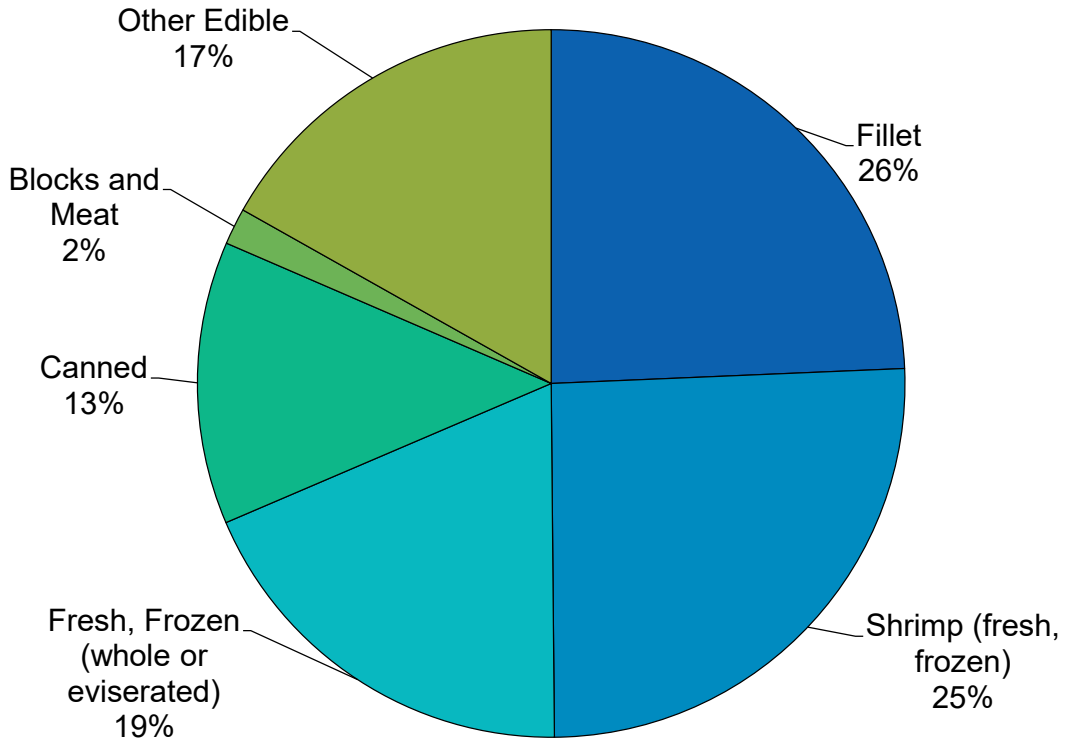
U.S. Trade Balance in Edible Fishery Products, 2010-2019



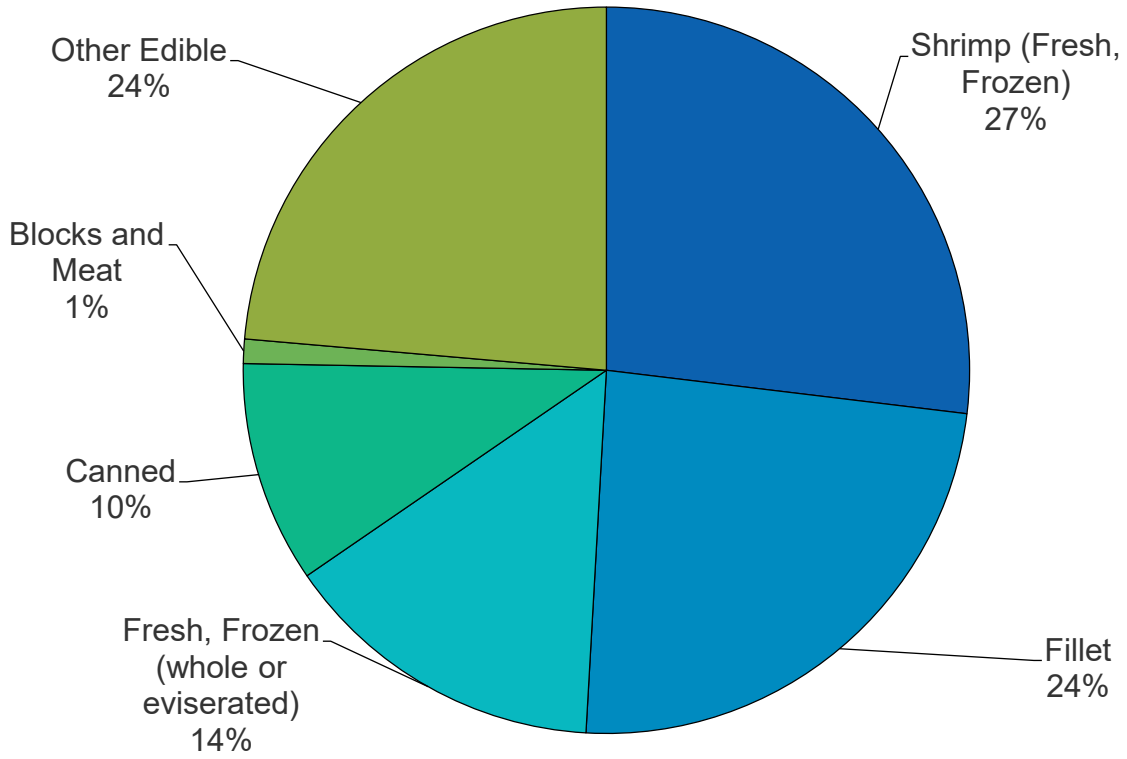
U.S. Trade in Edible Fishery Products, 2019



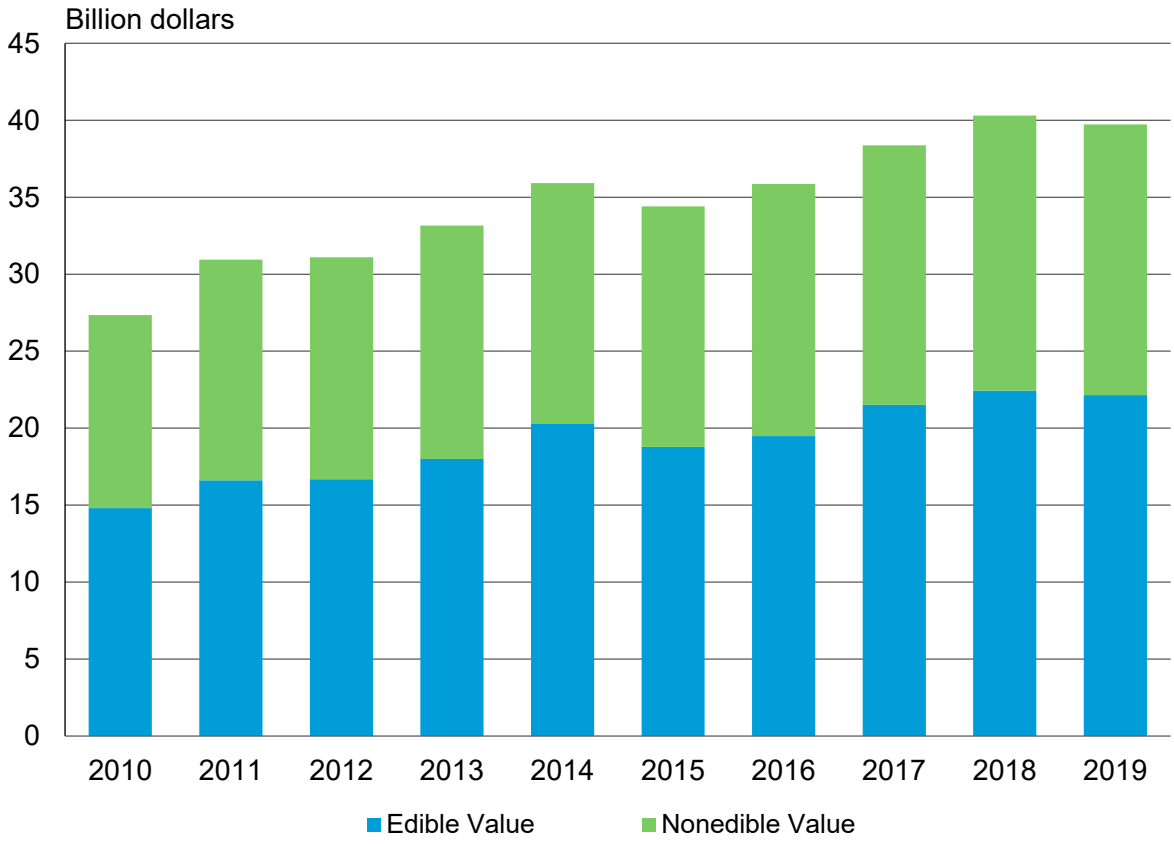
U.S. Imports of Edible Products, Product Type by Volume, 2019



U.S. Imports of Edible Products, Product Type by Value, 2019



U.S. Fishery Products Imports, 2010-2019

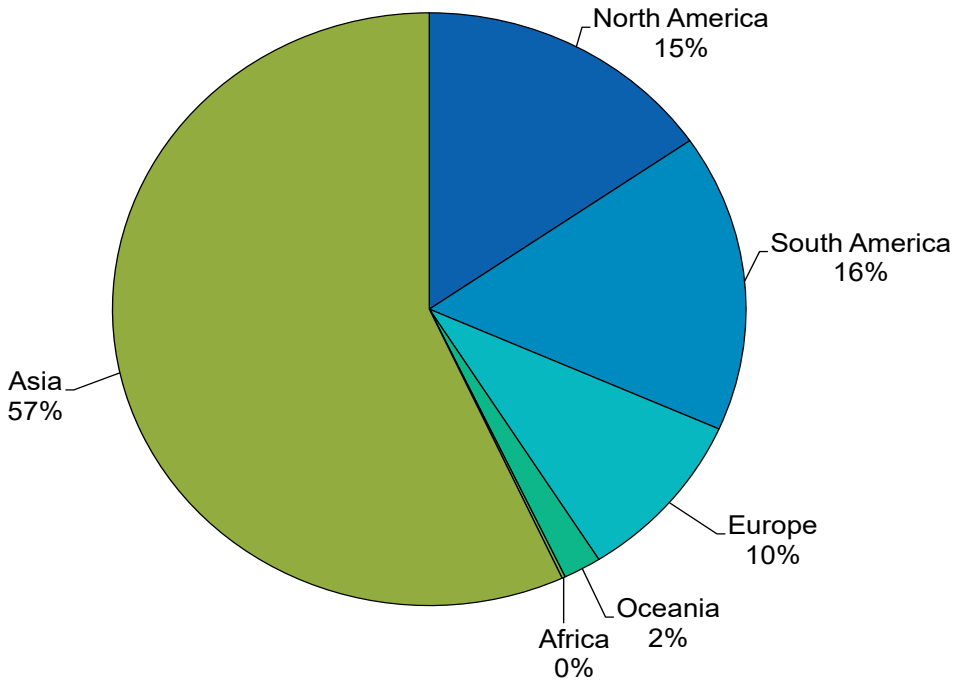


EDIBLE AND NONEDIBLE FISHERY PRODUCTS IMPORTS, 2010-2019

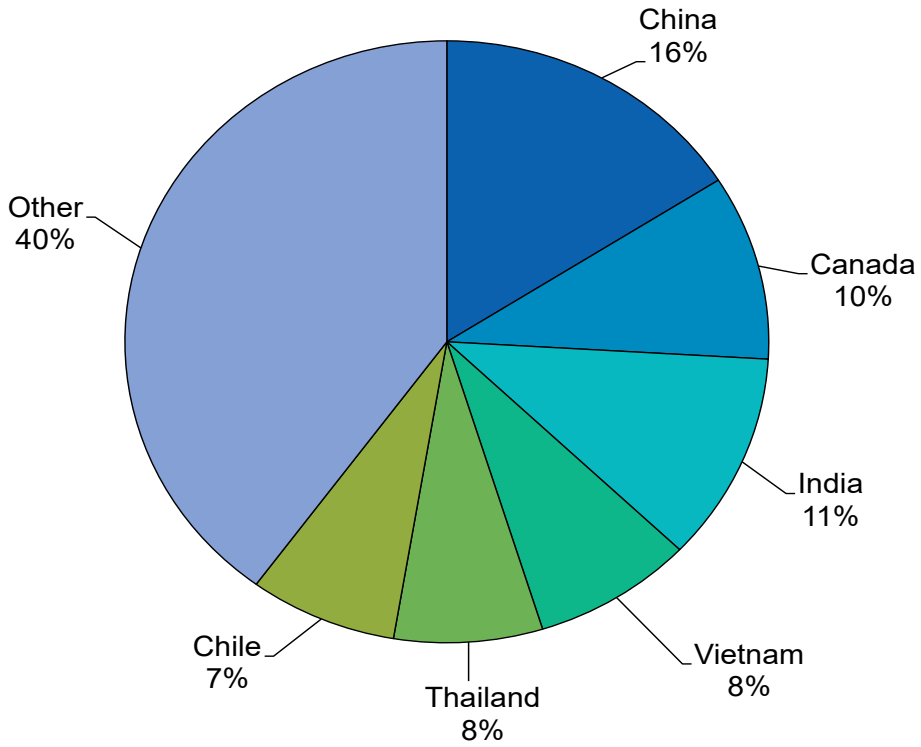
Year	Edible			Nonedible	Total
	Thousand pounds	Metric tons	---------- Thousand dollars- - - - - - -		
2010	5,447,135	2,470,804	14,810,857	12,541,650	27,352,507
2011	5,349,471	2,426,504	16,617,625	14,325,656	30,943,281
2012	5,383,538	2,441,957	16,689,567	14,417,370	31,106,937
2013	5,415,289	2,456,359	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	5,919,524	2,685,079	21,520,862	16,847,174	38,368,036
2018	6,086,885	2,760,993	22,440,502	17,861,847	40,302,349
2019	6,005,456	2,724,057	22,154,424	17,572,084	39,726,508

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

U.S. Imports of Edible Fishery Products from Major Areas, 2019, by Volume



U.S. Imports of Edible Fishery Products from Major Exporters, 2019, by Volume



FISHERY PRODUCTS IMPORTS, BY PRINCIPAL ITEMS, 2018 AND 2019

Item	2018			2019		
Edible fishery products:	Thousand pounds	Metric tons	Thousand dollars	Thousand pounds	Metric tons	Thousand dollars
Fresh and frozen:						
Whole or eviscerated:						
Freshwater	136,881	62,089	177,453	145,729	66,102	190,435
Flatfish	27,442	12,448	141,191	32,119	14,569	156,091
Groundfish	50,339	22,834	78,784	37,994	17,234	54,588
Salmon	306,451	139,005	1,173,260	318,758	144,587	1,159,594
Tuna (1)	188,925	85,696	619,612	254,924	115,633	823,439
Other	347,218	157,497	808,114	334,216	151,599	834,980
Fillets and steaks:						
Freshwater	624,417	283,234	1,360,495	512,733	232,574	1,062,526
Flatfish	50,577	22,942	154,657	36,886	16,732	106,654
Groundfish	257,882	116,974	740,617	237,332	107,653	697,168
Salmon	538,126	244,092	2,704,080	567,662	257,490	2,822,484
Other	135,787	61,593	743,725	106,265	48,202	625,388
Meat whether or not minced:	41,174	18,676	146,596	33,019	14,977	111,885
Blocks and slabs	57,984	26,301	107,076	67,211	30,487	127,923
Surimi	2,525	1,145	2,446	1,289	585	1,811
Crabs	146,898	66,632	1,227,397	167,377	75,922	1,485,149
Crabmeat	11,230	5,094	75,355	8,905	4,039	59,477
Lobster:						
American	92,852	42,117	926,316	85,329	38,705	964,437
Spiny	15,751	7,144	234,732	15,114	6,856	258,281
Shrimp	1,528,999	693,550	6,199,535	1,533,124	695,420	5,961,857
Scallops (meats)	7,186	3,259	19,285	7,232	3,281	19,346
Squid	144,574	65,578	335,881	115,288	52,294	260,816
Other fish and shellfish	412,663	187,183	1,528,109	425,310	192,919	1,559,274
Total, fresh and frozen	**5,125,881**	**2,325,085**	**19,504,717**	**5,043,815**	**2,287,859**	**19,343,602**
Canned:						
Anchovy	6,233	2,827	31,234	5,779	2,621	29,527
Herring	5,776	2,620	11,261	5,214	2,365	10,999
Mackerel	30,503	13,836	36,583	29,620	13,435	42,186
Salmon	22,256	10,095	83,412	29,852	13,541	109,947
Sardines	74,483	33,785	140,311	67,925	30,811	130,789
Tuna	345,851	156,877	766,678	355,261	161,145	776,799
Clams	18,590	8,433	21,681	15,801	7,167	18,583
Crabmeat	71,896	32,612	810,219	64,624	29,313	639,049
Lobsters	312	141	1,070	294	133	1,365
Oysters	15,250	6,917	43,447	8,587	3,895	25,195
Shrimp	4,185	1,898	28,687	6,475	2,937	33,552
Balls, cakes, and puddings	6,475	2,937	33,552	52,860	23,977	102,007
Other fish and shellfish	176,989	80,282	341,721	133,867	60,722	266,271
Total, canned	**778,802**	**353,262**	**2,349,855**	**776,159**	**352,064**	**2,186,269**
Cured:						
Dried	7,708	3,496	35,170	8,999	4,082	40,946
Pickled or salted	61,498	27,895	109,980	57,806	26,221	110,814
Smoked or kippered	21,714	9,849	140,509	21,622	9,808	151,187
Total, cured	**90,919**	**41,240**	**285,659**	**88,427**	**40,110**	**302,948**
Caviar and roe	8,314	3,771	61,636	7,954	3,608	69,382
Edible seaweed and algae	14,141	6,414	48,826	12,928	5,864	51,959
Prepared meals	12,680	5,752	36,331	11,667	5,292	34,830
Other fish and shellfish	56,150	25,469	153,478	64,503	29,258	165,434
Total edible products	**6,086,886**	**2,760,993**	**22,440,502**	**6,005,453**	**2,724,056**	**22,154,424**
Nonedible products:						
Meal and scrap	131,983	59,867	106,220	114,443	51,911	88,472
Fish oils	47,986	21,766	131,801	47,475	21,535	119,531
Other	-	-	17,623,826	-	-	17,364,080
Total nonedible products	**-**	**-**	**17,861,847**	**-**	**-**	**17,572,084**
Grand total	**-**	**-**	**40,302,349**	**-**	**-**	**39,726,508**

(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, 2019, Current Fishery Statistics No. 2019-2 provides additional information.

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

EDIBLE AND NONEDIBLE FISHERY PRODUCTS IMPORTS, 2019

Continent and Country	Edible			Nonedible	Total
	Thousand pounds	Metric Tons	----------Thousand dollars----------		
North America:					
Canada	597,145	270,863	3,365,459	1,315,016	4,680,474
Mexico	187,982	85,268	653,074	515,745	1,168,819
Dominican Republic	301	137	2,726	227,043	229,769
Honduras	34,297	15,557	138,987	1,420	140,406
Costa Rica	23,449	10,636	74,651	25,603	100,254
Other	67,001	30,391	345,316	20,542	365,858
Total	**910,175**	**412,853**	**4,580,212**	**2,105,369**	**6,685,581**
South America:					
Chile	446,444	202,506	2,131,159	99,912	2,231,071
Ecuador	281,101	127,507	807,644	11,845	819,490
Brazil	34,524	15,660	149,518	221,279	370,798
Argentina	66,495	30,162	262,592	68,560	331,152
Peru	48,297	21,907	173,985	78,999	252,984
Other	85,335	38,707	288,613	77,894	366,507
Total	**962,196**	**436,449**	**3,813,512**	**558,490**	**4,372,002**
Europe:					
European Union:					
France	5,144	2,333	19,439	2,415,752	2,435,190
Italy	3,164	1,435	12,999	1,298,112	1,311,111
Germany	13,269	6,019	69,604	608,785	678,389
Spain	43,692	19,819	177,085	439,810	616,895
United Kingdom	43,230	19,609	169,024	308,469	477,493
Other	73,187	33,197	307,840	485,217	793,056
Total	**181,686**	**82,412**	**755,990**	**5,556,145**	**6,312,135**
Other:					
Norway	185,109	83,965	851,069	131,933	983,002
Russian Federation	79,535	36,077	696,359	2,430	698,789
Turkey	13,218	5,996	40,048	358,806	398,854
Switzerland	43	19	188	360,741	360,929
Iceland	54,521	24,730	255,687	16,454	272,141
Other	41,479	18,815	163,692	28,154	191,846
Total	**373,904**	**169,602**	**2,007,042**	**898,518**	**2,905,560**
Asia:					
India	673,416	305,460	2,551,177	2,071,753	4,622,930
China	959,393	435,178	1,944,133	2,238,999	4,183,133
Indonesia	440,069	199,614	1,851,893	602,805	2,454,699
Thailand	448,315	203,354	1,243,955	1,146,115	2,390,071
Vietnam	484,009	219,545	1,451,777	116,470	1,568,248
Other	363,014	164,662	1,253,698	1,948,696	3,202,393
Total	**3,368,216**	**1,527,813**	**10,296,634**	**8,124,839**	**18,421,473**
Oceania:					
New Zealand	49,202	22,318	177,112	40,662	217,774
Australia	5,446	2,470	50,710	73,995	124,704
Fiji	24,832	11,264	79,641	610	80,251
Cook Is.	18,965	8,603	32,824	10	32,834
French Polynesia	2,656	1,205	10,986	11,384	22,370
Other	13,430	6,092	41,938	3,688	45,626
Total	**114,531**	**51,951**	**393,210**	**130,348**	**523,558**
Africa:					
South Africa	4,980	2,259	37,994	160,294	198,287
Morocco	23,461	10,642	54,878	10,536	65,414
Mauritius	18,573	8,424	60,758	2,191	62,949
Senegal	19,217	8,717	54,036	276	54,312
Egypt	18,620	8,446	43,371	9,012	52,383
Other	9,896	4,489	56,787	16,066	72,853
Total	**94,746**	**42,977**	**307,824**	**198,375**	**506,199**
Grand total	**6,005,456**	**2,724,058**	**22,154,424**	**17,572,084**	**39,726,508**

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

REGULAR FISH BLOCKS AND MEAT IMPORTS, BY SPECIES AND TYPE, 2018 AND 2019

Species and Type	2018			2019		
	Thousand pounds	Metric tons	Thousand dollars	Thousand pounds	Metric tons	Thousand dollars
Regular blocks and slabs:						
Freshwater	129	58	621	288	131	1,321
Flatfish	5,993	2,718	12,386	3,522	1,597	7,509
Groundfish						
Cod	8,497	3,854	21,096	10,422	4,727	28,476
Ocean Perch	259	117	455	58	26	126
Pollock	21,469	9,738	22,356	33,826	15,343	42,899
Whiting	7,263	3,295	11,886	4,777	2,167	7,597
Other groundfish	5,312	2,409	11,627	4,081	1,851	80,914
Total groundfish	**42,799**	**19,414**	**67,420**	**53,163**	**24,115**	**88,511**
Other regular blocks	9,063	4,111	26,648	10,238	4,644	30,583
Total Regular Blocks	**57,984**	**26,301**	**107,076**	**67,211**	**30,487**	**127,923**
Meat whether or not minced:						
Freshwater	3,443	1,562	9,625	3,784	1,717	9,947
Flatfish	1,146	520	2,103	422	192	652
Groundfish	12,786	5,800	53,333	11,075	5,024	38,616
Other	23,799	10,795	81,535	17,737	8,045	62,670
Total Meat	**41,174**	**18,676**	**146,596**	**33,019**	**14,977**	**111,885**
Total Blocks and Meat	**99,158**	**44,978**	**253,672**	**100,230**	**45,464**	**239,808**

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

REGULAR FISH BLOCKS AND MEAT IMPORTS, BY COUNTRY OF ORIGIN, 2018 AND 2019

Country	2018			2019		
	Thousand pounds	Metric tons	Thousand dollars	Thousand pounds	Metric tons	Thousand dollars
China	42,247	19,163	67,151	50,178	22,761	83,493
Iceland	5,588	2,535	27,367	6,853	3,109	36,085
Vietnam	7,581	3,439	19,550	10,146	4,602	21,043
Indonesia	3,869	1,755	14,810	5,259	2,386	20,134
Chile	2,617	1,187	12,103	3,449	1,564	16,971
Canada	6,589	2,989	13,126	4,335	1,966	11,068
Argentina	6,549	2,971	11,804	4,632	2,101	7,773
Thailand	1,011	458	3,671	1,657	752	6,313
Philippines	1,266	574	3,815	1,533	696	5,804
Other	21,841	2,657	29,653	12,188	5,528	31,122
Total	**99,158**	**44,978**	**253,672**	**100,230**	**45,464**	**239,808**

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

GROUNDFISH FILLET AND STEAK IMPORTS, BY SPECIES, 2018 AND 2019 (1)

Species	2018			2019		
	Thousand pounds	Metric tons	Thousand dollars	Thousand pounds	Metric tons	Thousand dollars
Cod	128,232	58,166	471,873	120,287	54,562	449,494
Cusk	-	-	-	-	-	-
Haddock	44,585	20,224	149,486	35,762	16,222	125,514
Hake	7,578	3,437	11,652	6,344	2,878	10,016
Ocean perch	6,578	2,984	13,821	5,847	2,652	12,966
Pollock	31,399	14,242	36,898	47,541	21,564	63,687
Other	39,510	17,922	56,887	21,551	9,775	35,491
Total	**257,882**	**116,974**	**740,617**	**237,332**	**107,653**	**697,168**

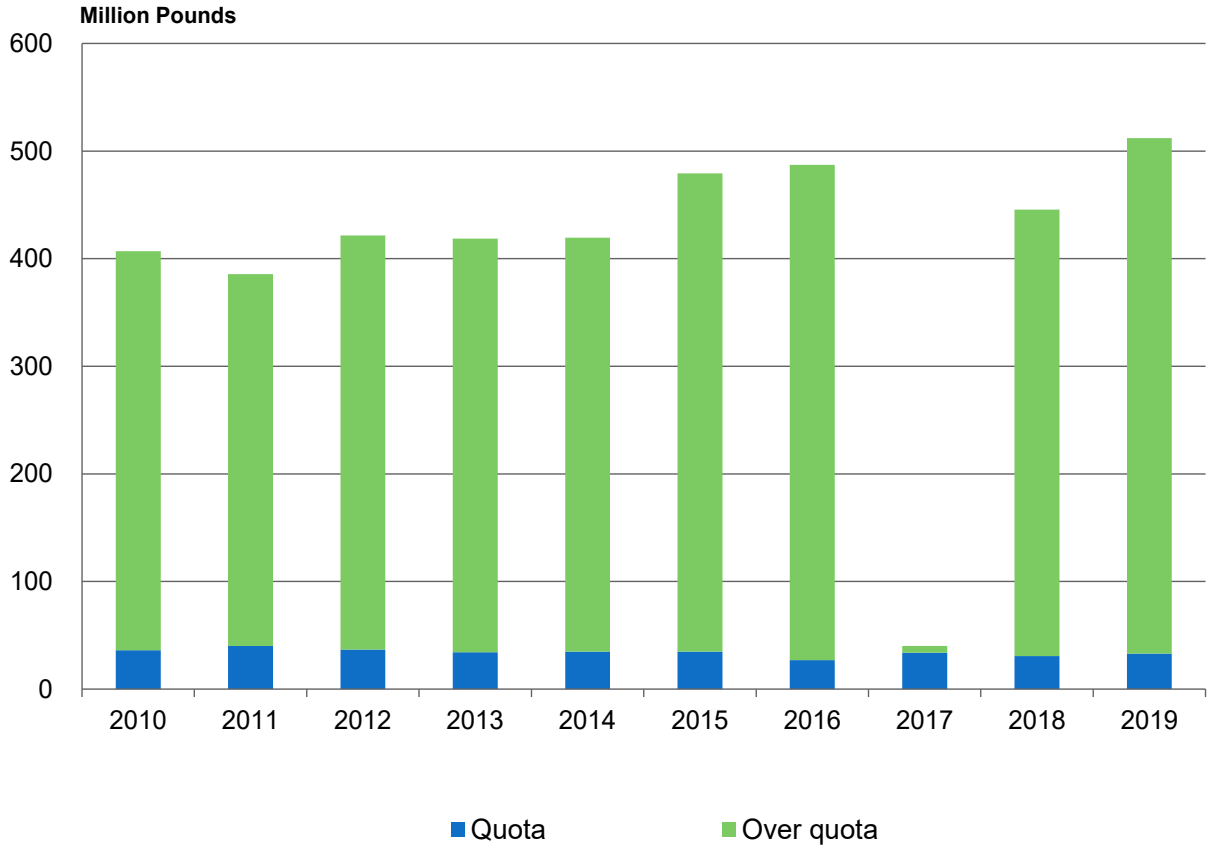
(1) Does not include data on fish blocks and slabs
Source: U.S. Department of Commerce, U.S. Census Bureau.

CANNED TUNA NOT IN OIL, QUOTA AND IMPORTS, 2010-2019

Year	Quota (1)		Over Quota (2)		Total	
	Thousand pounds	Metric tons	Thousand pounds	Metric tons	Thousand pounds	Metric tons
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
2019	32,948	14,945	478,989	217,268	511,937	202,098

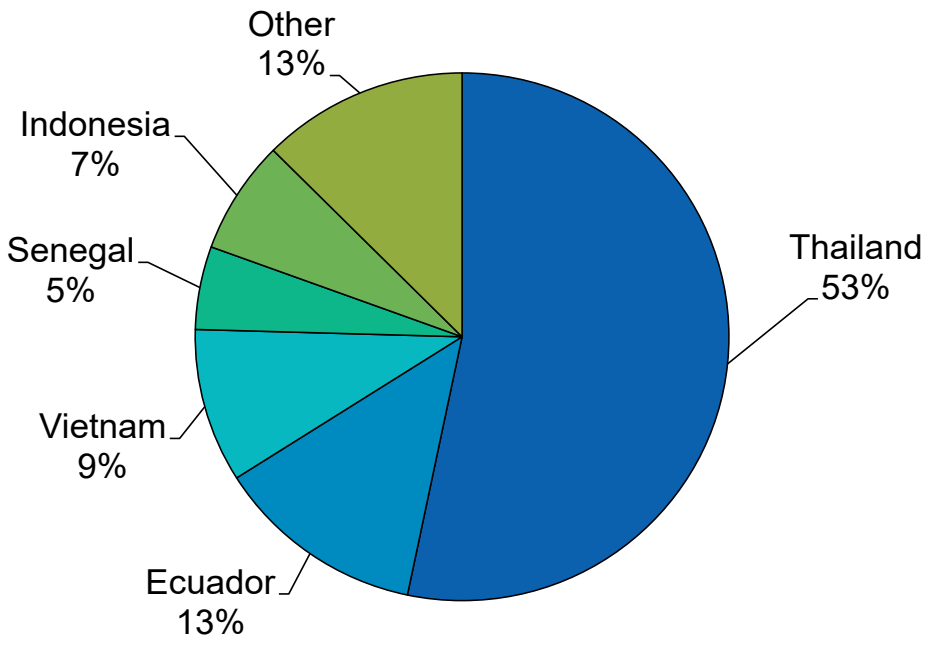
(1) Imports have been subject to tariff rate quotas since April 14, 1956. Dutiable in 1956 to 1967 at 12.5 percent ad valorem; 1968, 11 percent; 1969, 10 percent; 1970, 8.5 percent; 1971, 7 percent; and 1972 to present, 6 percent.
(2) Dutiable in 1972 to present, 12.5 percent.
Source: U.S. Department 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, 2010-2019



Source: U.S. Department of Homeland Security, U.S. Customs and Border Protection. Note: Because data in this graph are from a different source, this graph will not agree with tuna import data released by the U.S. Department of Commerce, U.S. Census Bureau, used elsewhere in this report.

Imports of Canned Tuna by Major Exporter, 2019 by Volume



CANNED TUNA, BY COUNTRY OF ORIGIN, 2018 AND 2019

Country	2018			2019		
	Thousand pounds	Metric tons	Thousand dollars	Thousand pounds	Metric tons	Thousand dollars
Thailand	181,864	82,493	388,661	189,303	85,867	389,451
Ecuador	50,070	22,711	136,459	45,227	20,515	117,914
Vietnam	33,455	15,175	76,120	33,487	15,190	85,094
Senegal	10,053	4,560	32,404	18,082	8,202	50,091
Indonesia	22,310	10,120	41,916	24,716	11,211	45,580
Philippines	11,380	5,162	23,790	13,752	6,238	28,580
Mexico	14,342	6,505	24,508	15,588	7,070	26,194
Maldive Is.	2,239	1,015	5,789	2,768	1,255	7,444
Costa Rica	5,228	2,371	7,100	3,478	1,578	6,557
Other	14,912	6,764	29,931	8,860	4,019	19,892
Total	**345,851**	**156,877**	**766,678**	**355,261**	**161,145**	**776,799**

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

SHRIMP IMPORTS, BY COUNTRY OF ORIGIN, 2018 AND 2019

Country	2018			2019		
	Thousand pounds	Metric tons	Thousand dollars	Thousand pounds	Metric tons	Thousand dollars
North America:						
Mexico	54,860	24,884	282,618	65,153	29,553	304,215
Honduras	20,045	9,092	60,851	9,911	4,496	33,257
Canada	3,433	1,557	24,647	3,961	1,797	24,960
Panama	5,459	2,476	24,344	2,544	1,154	17,897
Guatemala	3,268	1,482	13,203	3,196	1,450	12,582
Nicaragua	5,922	2,686	18,925	4,044	1,834	12,251
Costa Rica	65	29	424	66	30	467
Greenland	57	26	218	176	80	386
El Salvador	24	11	146	42	19	240
Belize	155	70	422	-	25	128
Other	6	3	27	55	-	-
Total	**93,293**	**42,317**	**425,824**	**89,148**	**40,437**	**406,382**
South America:						
Ecuador	167,479	75,968	526,681	182,877	82,952	552,483
Argentina	24,323	11,033	120,619	29,002	13,155	146,917
Peru	23,218	10,532	88,455	16,220	7,357	57,673
Guyana	15,446	7,006	40,855	10,444	4,737	27,854
Venezuela	7,971	3,616	20,038	11,251	5,103	26,913
Colombia	92	42	470	84	38	682
Chile	347	158	1,936	66	30	421
Suriname	-	263	1,771	-	30	168
Brazil	-	-	-	43	20	156
Total	**239,457**	**108,617**	**800,825**	**250,052**	**113,423**	**813,267**
Europe:						
European Union:						
Spain	666	302	3,177	855	388	4,020
Denmark	126	57	481	628	285	2,562
Portugal	31	14	441	46	21	348
Ireland	-	-	-	37	17	331
Netherlands	11	5	77	24	11	138
Other	-	15	96	-	3	18
EU Total	**867**	**393**	**4,273**	**1,598**	**725**	**7,418**
Other Europe:						
Norway	62	28	241	311	141	1,257
Turkey	19	9	34	-	-	-
Iceland	87	40	292	-	-	-
Other Europe Total	**168**	**76**	**566**	**311**	**141**	**1,257**
Total	**1,035**	**470**	**4,839**	**1,909**	**866**	**8,674**
Asia:						
India	547,017	248,125	2,216,470	632,505	286,902	2,427,305
Indonesia	291,706	132,317	1,215,475	293,571	133,163	1,132,681
Vietnam	129,223	58,615	620,303	124,035	56,262	582,867
Thailand	111,874	50,746	556,702	95,497	43,317	476,721
China	111,714	50,673	339,561	44,383	20,132	106,613
Bangladesh	3,504	1,589	20,062	2,411	1,094	15,676
Philippines	2,995	1,359	9,216	2,728	1,237	7,239
Malaysia	925	419	3,441	1,947	883	6,624
Saudi Arabia	-	-	-	2,147	974	6,624
Burma	770	349	5,413	809	367	3,384
Other	1,937	1,228	15,563	2,057	933	8,363
Total	1,201,664	545,071	4,996,793	1,201,283	544,899	4,770,712
Oceania	210	95	1,775	350	159	2,649
Africa	850	386	8,480	390	177	4,375
Grand Total	**1,537,377**	**696,956**	**6,238,536**	**1,542,822**	**699,960**	**6,006,060**

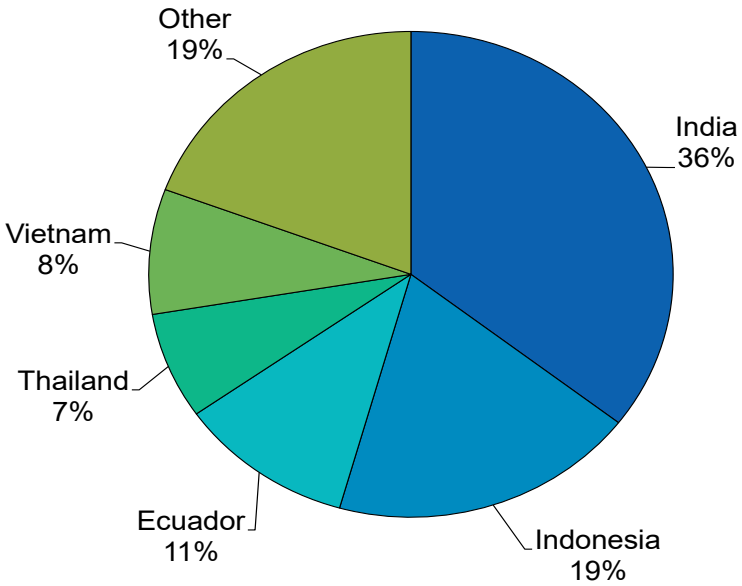
Note: Statistics on imports are the weights of the individual products as received; i.e., raw, headless, peeled, etc.
Source: U.S. Department of Commerce, U.S. Census Bureau.

SHRIMP IMPORTS, BY TYPE OF PRODUCT, 2018 AND 2019

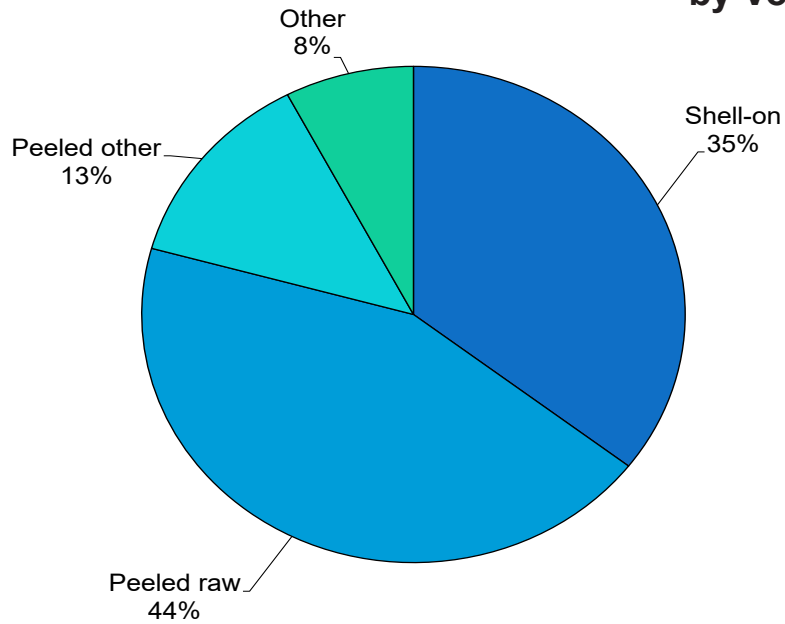
Type of product	2018			2019		
	Thousand pounds	Metric tons	Thousand dollars	Thousand pounds	Metric tons	Thousand dollars
Shell-on (heads off)	520,440	236,070	2,023,944	545,958	247,645	2,077,211
Peeled:						
Canned	4,185	1,898	28,687	6,475	2,937	33,552
Not breaded:						
Raw	665,668	301,945	2,721,108	674,887	306,127	2,629,447
Other	227,706	103,287	1,094,482	200,599	90,991	910,816
Breaded	115,185	52,248	360,001	111,679	50,657	344,383
Total	**1,533,185**	**695,448**	**6,228,222**	**1,539,599**	**698,357**	**5,995,408**

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

Shrimp Imports by Major Exporter, 2019, by Volume



Shrimp Imports by Type, 2019, by Volume

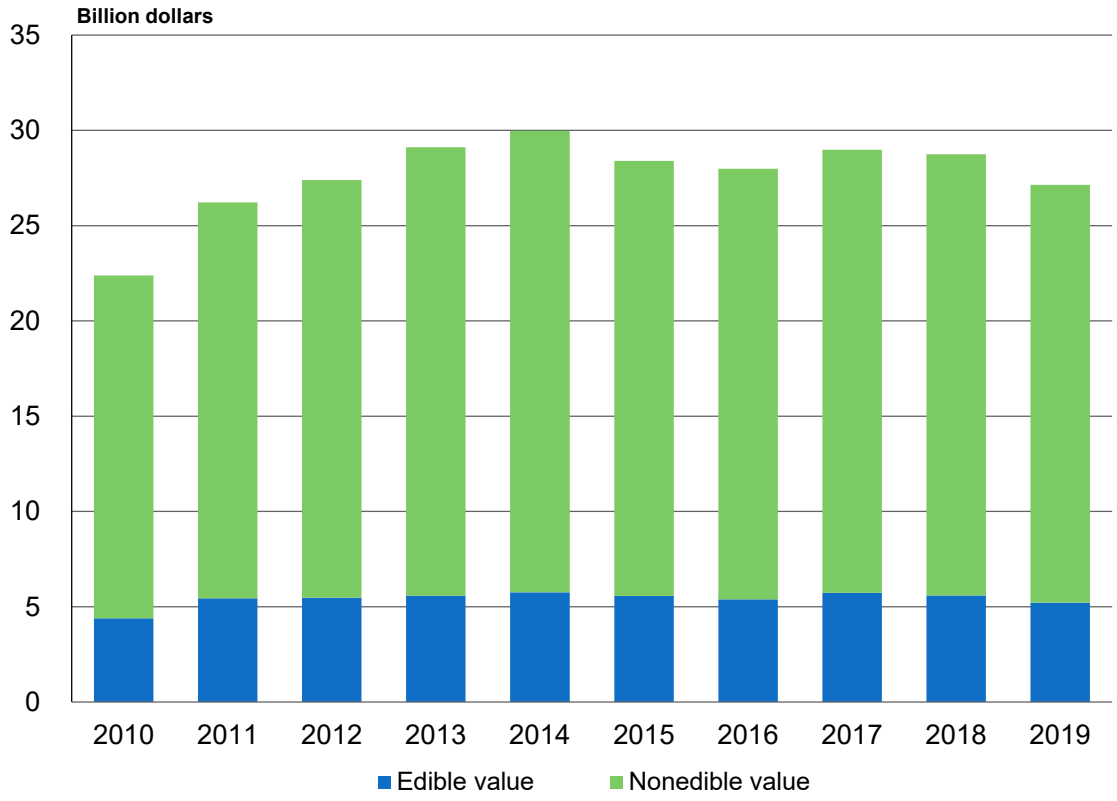


FISH MEAL AND SCRAP IMPORTS, BY COUNTRY OF ORIGIN, 2018 AND 2019

Country	2018			2019		
	Thousand pounds	Metric tons	Thousand dollars	Thousand pounds	Metric tons	Thousand dollars
Chile	54,674	24,800	47,440	53,146	24,107	41,664
Norway	8,702	3,947	9,047	13,080	5,933	13,907
Mexico	17,648	8,005	11,781	17,050	7,734	10,190
Brazil	7,141	3,239	3,900	10,664	4,837	5,782
France	8,957	4,063	8,943	3,618	1,641	3,996
Denmark	2,284	1,036	2,298	2,127	965	2,041
Argentina	9,806	4,448	5,180	3,900	1,769	1,843
Morocco	838	380	1,280	1,307	593	1,772
Germany	1,517	688	1,432	1,587	720	1,487
Other	20,417	9,261	14,920	7,963	3,612	5,790
Total	**131,983**	**59,867**	**106,220**	**114,443**	**51,911**	**88,472**

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

U.S. Fishery Product Exports, 2010-2019

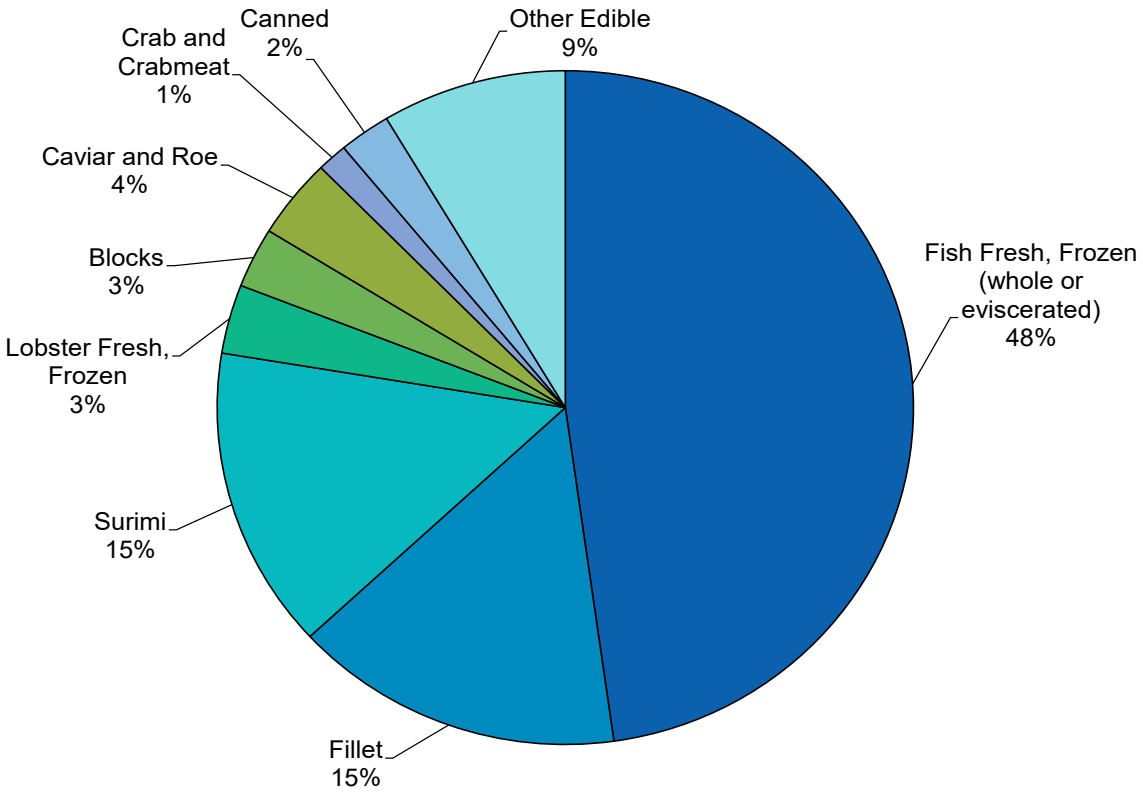


EDIBLE AND NONEDIBLE FISHERY PRODUCTS EXPORTS, 2010-2019 (1)

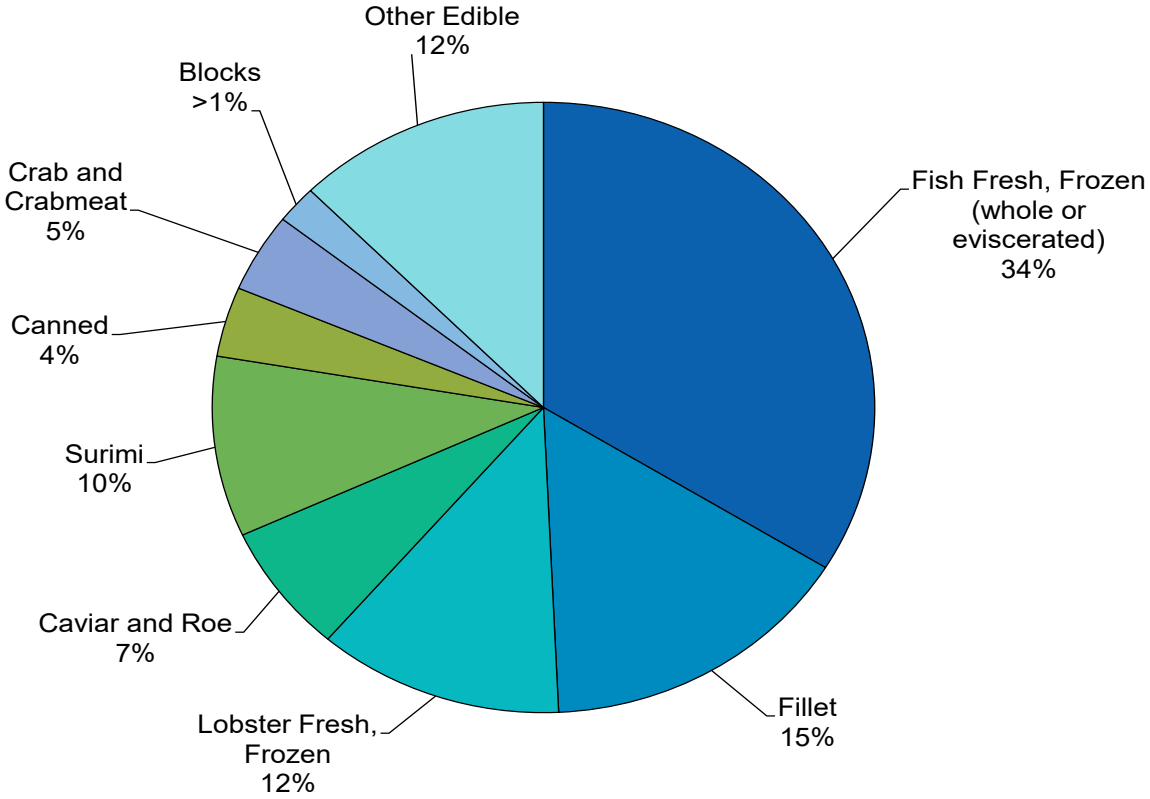
Year	Edible			Nonedible	Total
	Thousand pounds	Metric tons	--------Thousand dollars--------		
2010	2,733,127	1,239,738	4,389,171	17,996,550	22,385,721
2011	3,267,525	1,482,140	5,446,677	20,771,139	26,217,815
2012	3,254,394	1,476,183	5,470,491	21,913,933	27,384,424
2013	3,323,761	1,507,648	5,584,082	23,529,404	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	3,200,515	1,451,744	5,730,579	23,252,476	28,983,055
2018	2,938,071	1,332,700	5,591,296	23,157,263	28,748,559
2019	2,776,277	1,259,311	5,214,456	21,926,081	27,140,537

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

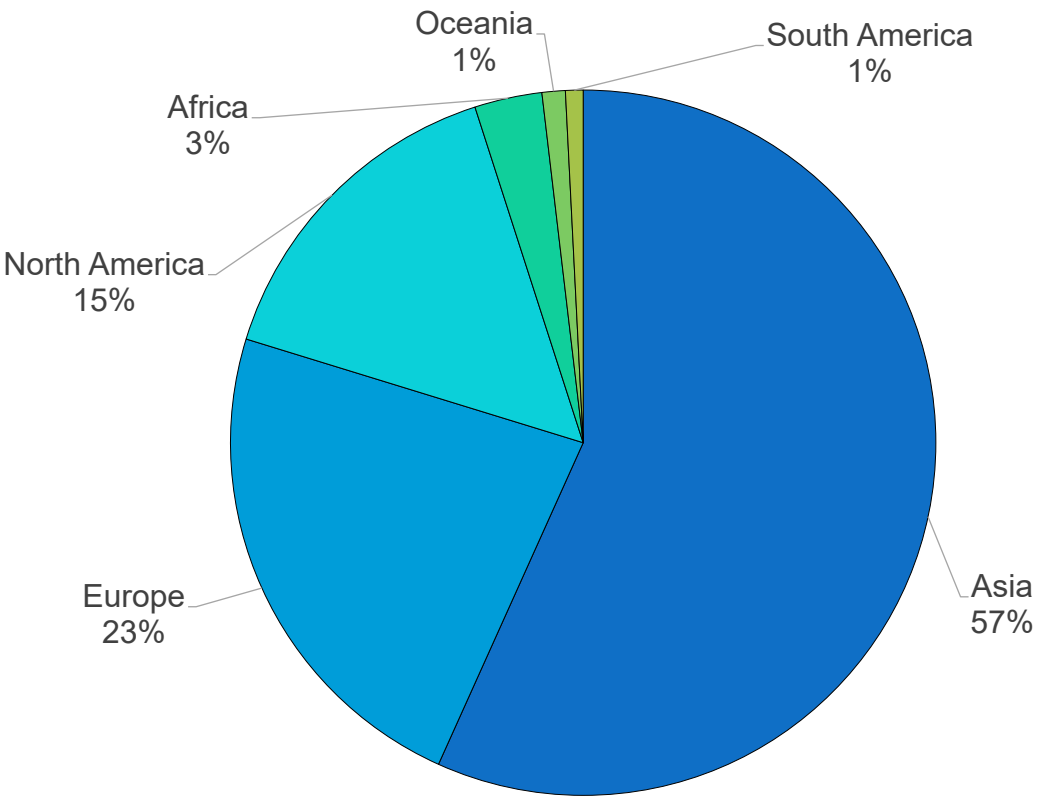
U.S. Exports of Edible Products, Product Type by Volume, 2019



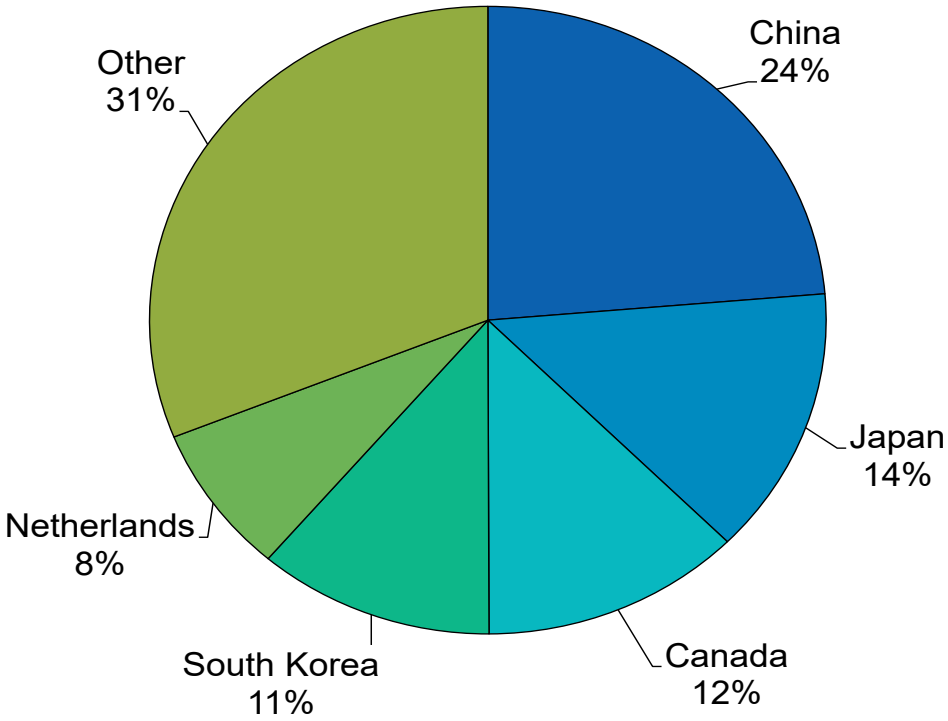
U.S. Exports of Edible Products, Product Type by Value, 2019



U.S. Exports to Major Areas, 2019, by Volume



U.S. Exports to Major Importers, 2019, by Volume



FISHERY PRODUCTS EXPORTS, BY PRINCIPAL ITEMS, 2018 AND 2019 (1)

Item	2018			2019		
Edible fishery products:	Thousand pounds	Metric tons	Thousand dollars	Thousand pounds	Metric tons	Thousand dollars
Fresh and frozen:						
Whole or eviscerated:						
Freshwater	12,387	5,619	20,557	12,316	5,587	21,226
Flatfish	224,160	101,679	184,117	242,136	109,832	203,947
Groundfish	481,747	218,519	525,614	434,041	196,880	457,796
Herring	53,985	24,488	24,145	36,322	16,475	15,100
Sablefish	14,478	6,567	84,776	13,690	6,210	68,020
Salmon	289,726	131,419	677,851	355,723	161,355	691,665
Tuna	25,269	11,462	49,516	18,225	8,267	37,822
Other	263,860	119,686	328,747	213,730	96,948	266,385
Fillets and steaks:						
Freshwater	12,714	5,767	42,528	13,921	6,314	47,166
Flatfish	2,142	972	8,865	2,422	1,099	9,487
Groundfish	357,151	162,003	441,615	347,746	157,736	487,866
Salmon	51,749	23,473	214,547	44,994	20,409	191,488
Other	11,896	5,396	42,572	16,794	7,618	71,156
Meat whether or not minced	94,251	42,752	112,801	80,104	36,335	104,634
Surimi	436,791	198,127	505,819	402,108	182,395	498,470
Fish sticks	36,081	16,366	74,190	35,464	16,086	76,419
Clams	10,914	4,951	111,500	10,136	4,598	95,137
Crabs	42,255	19,167	234,835	35,693	16,190	200,237
Crabmeat	3,294	1,494	18,269	3,296	1,495	18,048
Lobsters	115,981	52,609	718,904	91,947	41,707	626,214
Scallops (meats)	16,522	7,494	138,824	15,080	6,840	127,388
Sea urchins	645	293	2,473	705	320	2,627
Shrimp	21,927	9,946	122,508	20,456	9,279	116,646
Squid	140,038	63,521	143,419	105,160	47,700	99,513
Other fish and shellfish	21,134	9,586	96,792	25,820	11,712	66,673
Total, Fresh and Frozen	**2,741,101**	**1,243,355**	**4,925,782**	**2,578,028**	**1,169,386**	**4,601,129**
Canned:						
Salmon	55,150	25,016	166,556	46,704	21,185	157,543
Sardines	220	100	457	162	73	387
Tuna	3,330	1,510	8,330	2,979	1,351	7,765
Abalone	131	60	2,249	337	153	5,329
Crabmeat	703	319	5,711	846	384	4,624
Shrimp	279	127	944	229	104	782
Squid	2,087	947	1,032	1,110	503	649
Other fish and shellfish	4,387	1,990	4,101	14,142	6,415	15,624
Total, canned	**66,286**	**30,067**	**189,381**	**66,508**	**30,168**	**192,703**
Cured:						
Dried	1,275	578	2,748	1,379	625	2,230
Pickled or salted	2,217	1,005	3,425	2,762	1,253	3,551
Smoked or kippered	1,270	576	9,291	1,339	607	9,982
Total, cured	**4,761**	**2,160**	**15,465**	**5,480**	**2,486**	**15,763**
Caviar and roe:						
Herring	1,636	742	3,209	756	343	2,555
Pollock	48,821	22,145	146,788	59,918	27,179	148,202
Salmon	17,193	7,798	141,967	24,920	11,304	123,719
Sea urchin	475	216	16,824	478	217	16,756
Other	23,252	10,547	81,751	20,153	9,141	66,103
Total, caviar and roe	**91,377**	**41,448**	**390,539**	**106,224**	**48,183**	**357,335**
Edible seaweed and algae	2,406	1,091	11,169	2,503	1,136	11,563
Prepared meals	10,758	4,880	25,083	11,270	5,112	22,648
Other fish and shellfish	4,656	2,112	9,947	681	309	2,680
Total Edible Products	**2,938,065**	**1,332,698**	**5,591,296**	**2,776,275**	**1,259,310**	**5,214,456**
Nonedible products:						
Meal and scrap	320,324	145,298	203,171	375,695	170,414	197,335
Fish oils	140,597	63,774	154,229	198,366	89,978	193,684
Other	-	-	22,799,863	-	-	21,535,063
Total Nonedible Products	**-**	**-**	**23,157,263**	**-**	**-**	**21,926,081**
Grand Total	**-**	**-**	**28,748,559**	**-**	**-**	**27,140,537**

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, 2019 (1)

Continent and Country	Edible		Nonedible	Total
	Thousand pounds	Metric tons	-----Thousand dollars-----	
North America:				
Canada	313,996	142,428	1,164,273	3,660,372	4,824,645
Mexico	45,803	20,776	73,094	1,685,596	1,758,691
Dominican Republic	6,936	3,146	16,022	448,580	464,602
Sint Maarten	1,313	596	4,324	279,906	284,230
Panama	3,179	1,442	7,168	186,239	193,407
Other	35,040	15,894	84,939	669,947	754,886
Total	**406,267**	**184,282**	**1,349,820**	**6,930,641**	**8,280,461**
South America:				
Brazil	6,027	2,734	10,447	301,927	312,374
Chile	1,660	753	3,186	185,344	188,530
Colombia	7,172	3,253	11,600	172,910	184,510
Uruguay	118	53	531	98,028	98,559
Argentina	107	49	259	94,862	95,121
Other	8,438	3,827	11,761	215,187	226,948
Total	**23,521**	**10,669**	**37,785**	**1,068,258**	**1,106,043**
Europe:				
European Union:				
Netherlands	212,983	96,608	337,349	573,269	910,617
United Kingdom	26,660	12,093	77,400	831,484	908,884
Germany	107,052	48,558	196,744	402,055	598,799
France	78,742	35,717	149,188	338,549	487,738
Belgium	4,623	2,097	16,186	317,037	333,223
Other	105,806	47,993	216,451	519,796	736,247
Total	**535,865**	**243,067**	**993,319**	**2,982,189**	**3,975,508**
Other:				
Switzerland	990	449	6,134	2,035,909	2,042,043
Ukraine	80,060	36,315	81,810	8,296	90,106
Russian Federation	206	94	82	74,621	74,702
Lithuania	41,621	18,879	64,283	6,388	70,671
Turkey	-	395	1,917	63,227	65,144
Other	18,453	7,976	22,002	55,523	77,524
Total	**141,330**	**64,107**	**176,228**	**2,243,963**	**2,420,191**
Asia:				
China - Hong Kong	22,575	10,240	148,002	2,239,141	2,387,142
Japan	383,608	174,003	685,804	1,152,533	1,838,337
China	656,857	297,948	864,624	944,104	1,808,728
South Korea	346,172	157,022	505,531	586,142	1,091,674
Singapore	4,101	1,860	18,900	620,914	639,814
Other	141,307	64,097	322,153	2,371,532	2,693,685
Total	**1,554,620**	**705,171**	**2,545,014**	**7,914,367**	**10,459,380**
Oceania:				
Australia	20,251	9,186	43,894	525,788	569,682
New Zealand	3,890	1,765	15,241	87,617	102,858
French Polynesia	334	152	732	1,534	2,266
Fiji	9	4	26	1,438	1,464
Micronesia	8	4	26	998	1,024
Other	375	170	680	1,602	2,282
Total	**24,867**	**11,280**	**60,598**	**618,977**	**679,575**
Africa:				
South Africa	11,943	5,417	9,350	75,513	84,863
Nigeria	48,420	21,963	24,676	12,384	37,060
Egypt	1,461	663	1,714	22,030	23,744
Chad	174	79	207	17,557	17,764
Ghana	12,755	5,785	6,491	4,010	10,501
Other	15,055	6,829	9,254	36,192	45,446
Total	**89,807**	**40,736**	**51,692**	**167,687**	**219,379**
Grand total	**2,776,277**	**1,259,311**	**5,214,456**	**21,926,081**	**27,140,537**

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

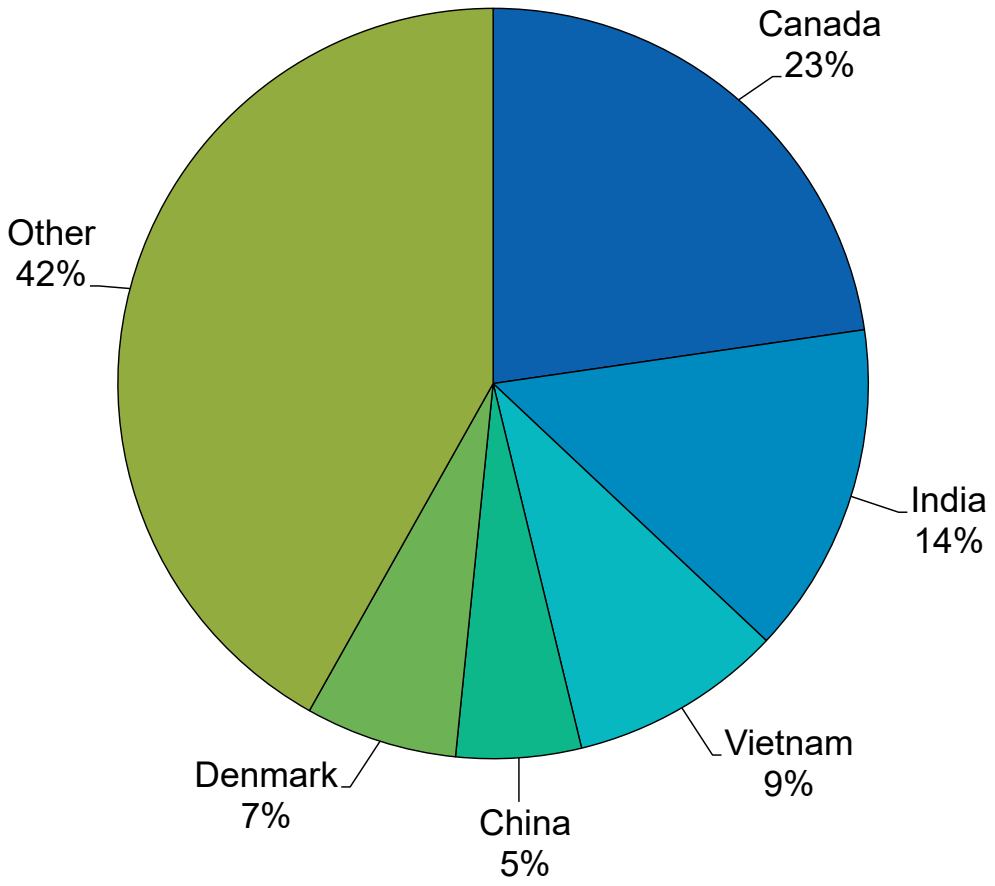
FRESH AND FROZEN SHRIMP EXPORTS, BY COUNTRY OF DESTINATION, 2018 AND 2019 (1)

Country	2018			2019		
	Thousand pounds	Metric tons	Thousand dollars	Thousand pounds	Metric tons	Thousand dollars
Canada	4,988	2,262	23,703	4,645	2,107	20,730
India	2,483	1,126	16,983	2,927	1,328	20,086
Vietnam	1,483	673	11,717	1,881	853	14,130
China	2,202	999	13,554	1,103	500	7,856
Denmark	1,621	735	6,234	1,339	607	6,006
Indonesia	867	393	5,761	855	388	5,962
China - Hong Kong	538	244	4,734	559	254	4,996
Bahamas	605	274	3,183	750	340	3,858
Japan	371	168	2,018	573	260	3,563
Other	7,141	3,071	34,621	5,824	2,642	29,460
Total	**21,927**	**9,946**	**122,508**	**20,456**	**9,279**	**116,646**

(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, 2019 by Volume

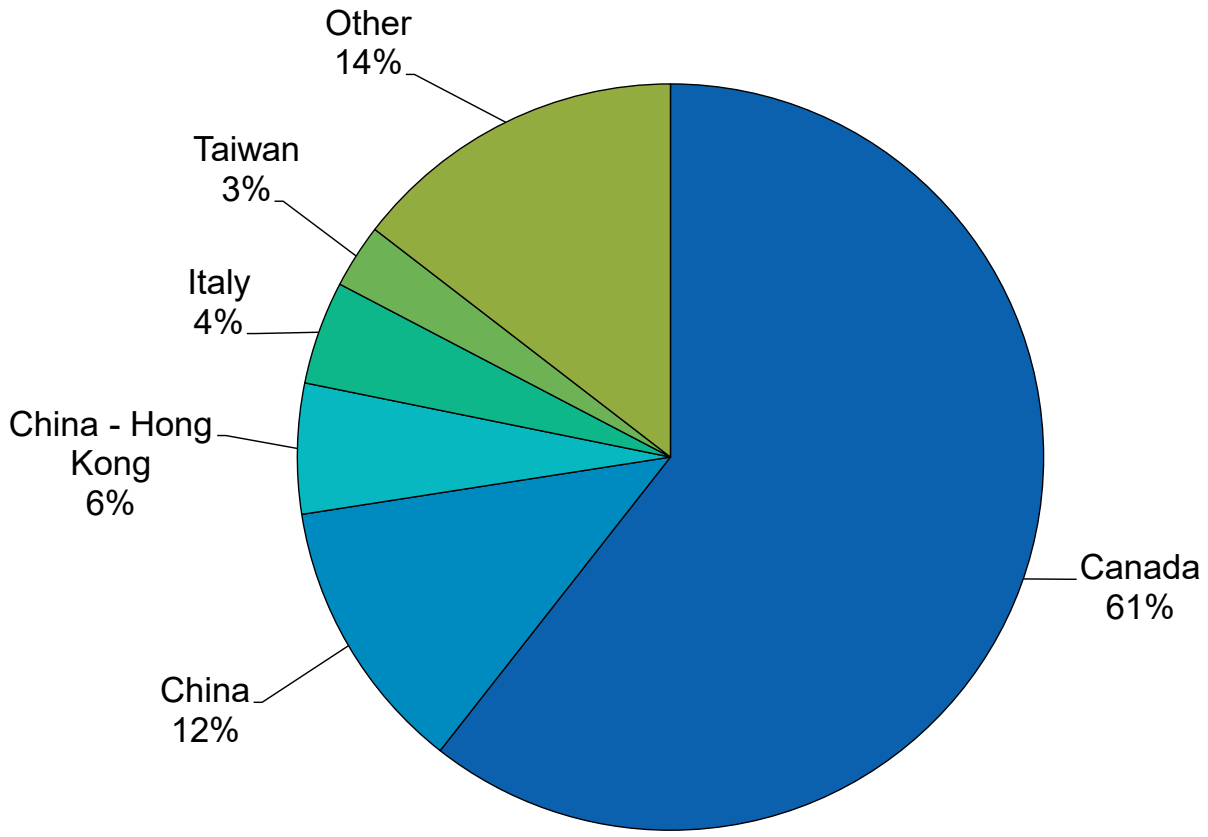


FRESH AND FROZEN LOBSTER EXPORTS, BY COUNTRY OF DESTINATION, 2018 AND 2019 (1)

Country	2018			2019		
	Thousand pounds	Metric tons	Thousand dollars	Thousand pounds	Metric tons	Thousand dollars
Canada	63,177	28,657	307,738	55,709	25,270	334,556
China	20,005	9,074	155,958	10,994	4,987	90,639
China - Hong Kong	7,116	3,228	57,452	5,189	2,354	40,766
Italy	6,104	2,769	43,197	4,119	1,868	29,663
Taiwan	2,061	935	16,841	2,553	1,158	21,067
Spain	2,941	1,334	22,372	1,880	853	13,697
South Korea	2,020	916	16,919	1,546	701	13,539
Vietnam	3,830	1,737	30,904	1,511	685	13,287
France	1,858	843	13,546	1,077	488	7,811
Other	6,867	3,115	53,977	7,369	3,343	61,191
Total	**115,981**	**52,608**	**718,904**	**91,948**	**41,707**	**626,214**

(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, 2019 by Volume



FRESH AND FROZEN SALMON EXPORTS, WHOLE OR EVISCERATED, BY COUNTRY OF DESTINATION, 2018 AND 2019 (1)

Country	2018			2019		
	Thousand pounds	Metric tons	Thousand dollars	Thousand pounds	Metric tons	Thousand dollars
Canada	47,675	21,625	140,551	61,337	27,822	166,467
China	99,120	44,961	156,327	126,182	57,236	159,728
South Korea	21,362	9,690	75,870	32,437	14,713	80,143
Japan	27,452	12,452	89,583	17,330	7,861	54,814
Germany	13,796	6,258	36,536	17,708	8,033	49,282
Thailand	18,582	8,429	35,972	34,781	15,777	44,277
France	12,692	5,757	31,457	11,106	5,037	23,307
Poland	5,632	2,555	22,691	4,842	2,196	15,248
Netherlands	5,655	2,565	15,581	5,230	2,372	14,418
Other	37,760	17,128	73,282	44,769	20,307	83,980
Total	**289,726**	**131,419**	**677,851**	**355,723**	**161,355**	**691,665**

(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, 2018 AND 2019 (1)

Country	2018			2019		
	Thousand pounds	Metric tons	Thousand dollars	Thousand pounds	Metric tons	Thousand dollars
Canada	21,230	9,630	77,605	21,498	9,751	83,062
United Kingdom	13,638	6,186	35,516	13,404	6,080	39,846
Australia	11,018	4,998	29,687	4,719	2,141	14,213
Mexico	1,507	684	4,262	1,887	856	5,387
New Zealand	1,923	872	4,441	1,784	809	5,166
Netherlands	2,871	1,302	7,006	1,536	697	4,295
Ireland	80	36	272	349	158	1,053
Bahamas	190	86	619	269	122	801
Sweden	199	90	684	132	60	474
Other	2,493	163	791	1,127	511	3,244
Total	**55,150**	**25,016**	**166,556**	**46,704**	**21,185**	**157,543**

(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, 2018 AND 2019 (1)

Country	2018			2019		
	Thousand pounds	Metric tons	Thousand dollars	Thousand pounds	Metric tons	Thousand dollars
Japan	169,804	77,022	195,131	157,388	71,391	193,155
South Korea	153,525	69,638	181,419	145,839	66,152	186,512
France	28,200	12,792	32,777	29,885	13,556	34,386
Lithuania	10,610	4,812	12,996	17,652	8,007	22,880
Spain	22,631	10,266	23,258	13,259	6,014	14,977
Netherlands	15,299	6,940	17,750	9,380	4,255	11,986
Thailand	16,351	7,417	19,095	9,020	4,092	10,844
China	9,063	4,111	11,500	7,088	3,215	10,418
Germany	3,202	1,452	3,112	4,410	2,000	4,749
Other	8,106	3,677	8,780	8,186	3,713	8,563
Total	**436,791**	**198,127**	**505,819**	**402,108**	**182,395**	**498,470**

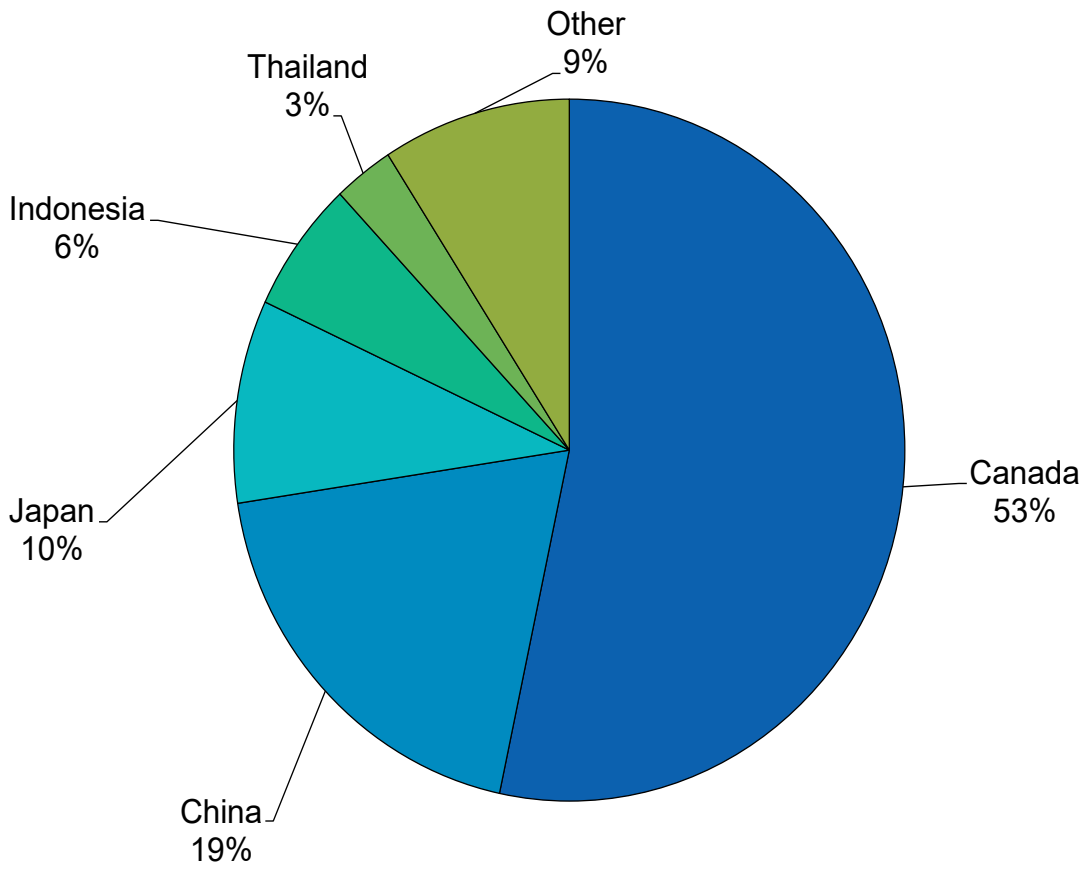
(1) Figures reflect both domestic and foreign (re-exports).
Source: U.S. Department of Commerce, U.S. Census Bureau.

FRESH AND FROZEN CRAB EXPORTS, BY COUNTRY OF DESTINATION, 2018 AND 2019 (1)

Country	2018			2019		
	Thousand pounds	Metric tons	Thousand dollars	Thousand pounds	Metric tons	Thousand dollars
Canada	23,343	10,588	88,437	19,038	8,636	79,666
China	10,123	4,592	75,661	6,867	3,115	47,771
Japan	3,938	1,786	40,845	3,340	1,515	30,486
Indonesia	2,828	1,283	13,051	2,172	985	11,855
Thailand	183	83	2,314	1,033	468	8,413
Vietnam	320	145	1,900	1,200	544	8,213
China - Hong Kong	332	151	3,364	360	163	2,744
South Korea	275	125	1,993	392	178	2,558
Australia	48	22	374	202	92	1,422
Other	866	393	6,896	1,088	494	7,108
Total	**42,255**	**19,167**	**234,835**	**35,693**	**16,190**	**200,237**

(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, 2019, by Volume

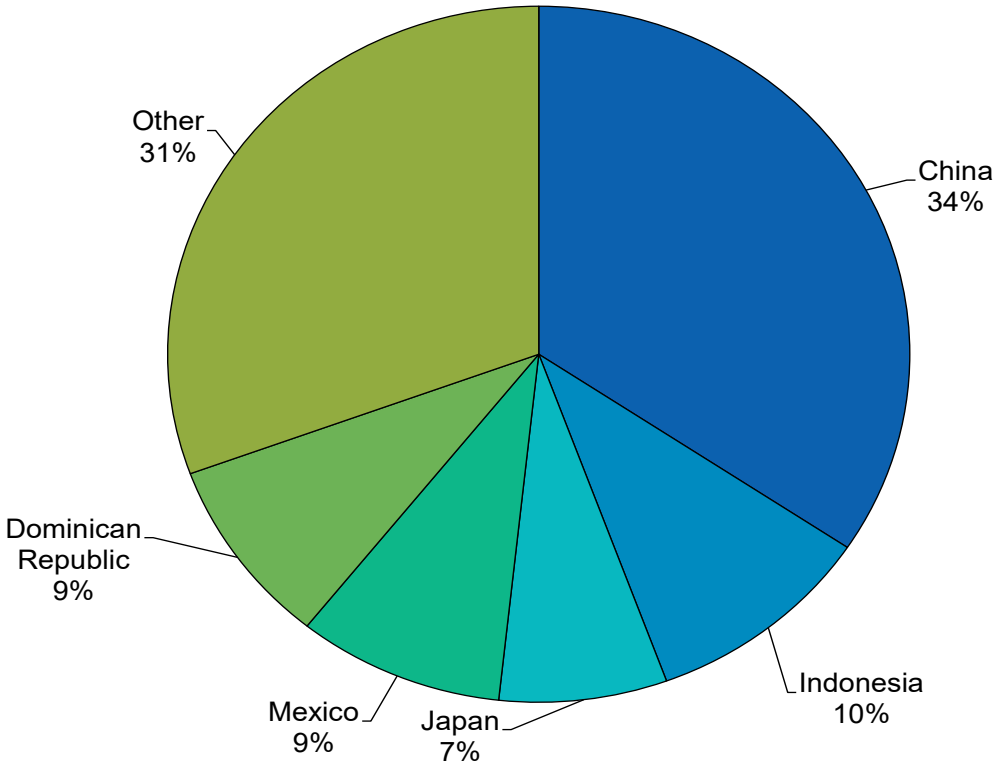


FRESH AND FROZEN CRABMEAT EXPORTS, BY COUNTRY OF DESTINATION, 2018 AND 2019 (1)

Country	2018			2019		
	Thousand pounds	Metric tons	Thousand dollars	Thousand pounds	Metric tons	Thousand dollars
Canada	694	315	5,064	1,133	514	8,010
China	723	328	5,206	331	150	2,220
Indonesia	30	14	225	241	110	1,650
Japan	246	112	664	297	135	992
Mexico	608	276	1,930	286	130	913
Dominican Republic	98	45	270	199	90	571
Sri Lanka	-	-	-	43	20	500
United Arab Emrates	32	15	322	33	15	372
Jamaica	56	25	337	92	42	352
Other	807	366	4,251	641	291	2,467
Total	**3,295**	**1,495**	**18,269**	**3,296**	**1,495**	**18,048**

(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, 2019, by Volume

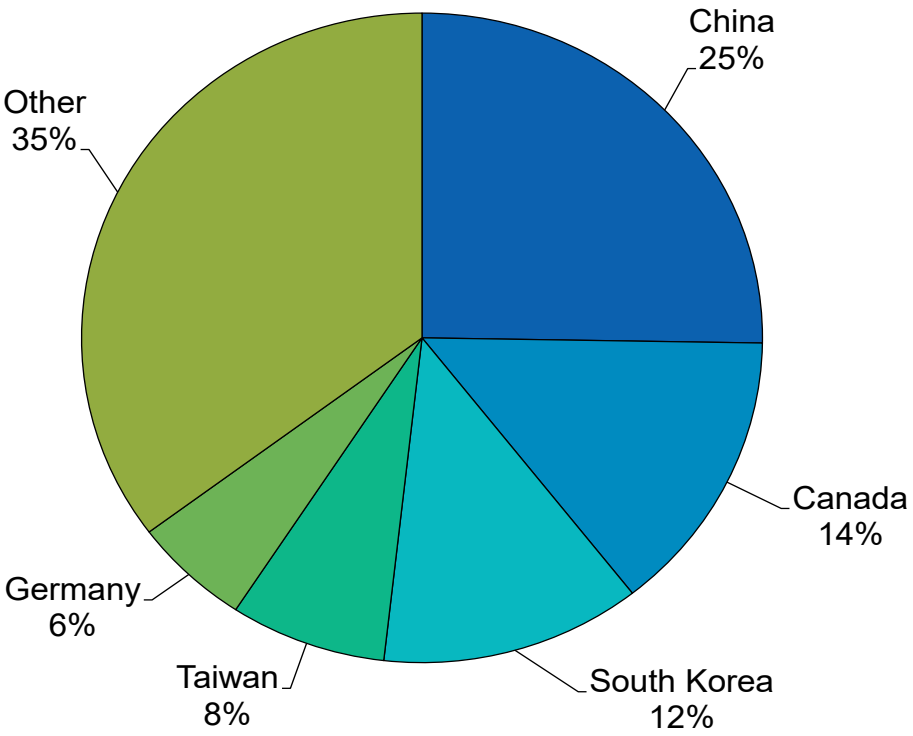


**FISH MEAL EXPORTS,
BY COUNTRY OF DESTINATION, 2018 AND 2019 (1)**

Country	2018			2019		
	Thousand pounds	Metric tons	Thousand dollars	Thousand pounds	Metric tons	Thousand dollars
China	116,943	53,045	79,147	94,879	43,037	51,768
Canada	38,014	17,243	25,770	53,137	24,103	38,706
South Korea	40,099	18,189	28,828	46,572	21,125	25,886
Taiwan	13,395	6,076	8,124	27,890	12,651	15,737
Germany	19,493	8,842	11,252	20,981	9,517	12,468
Indonesia	50,926	23,100	12,060	54,350	24,653	12,192
Japan	12,784	5,799	7,623	13,777	6,249	7,480
Denmark	7,077	3,210	16,156	5,538	2,512	5,081
Greece	132	60	843	6,420	2,912	4,798
Other	990,963	449,498	553	52,150	23,655	23,219
Total	**1,289,828**	**585,062**	**190,355**	**375,695**	**170,414**	**197,335**

(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, 2019, by Volume

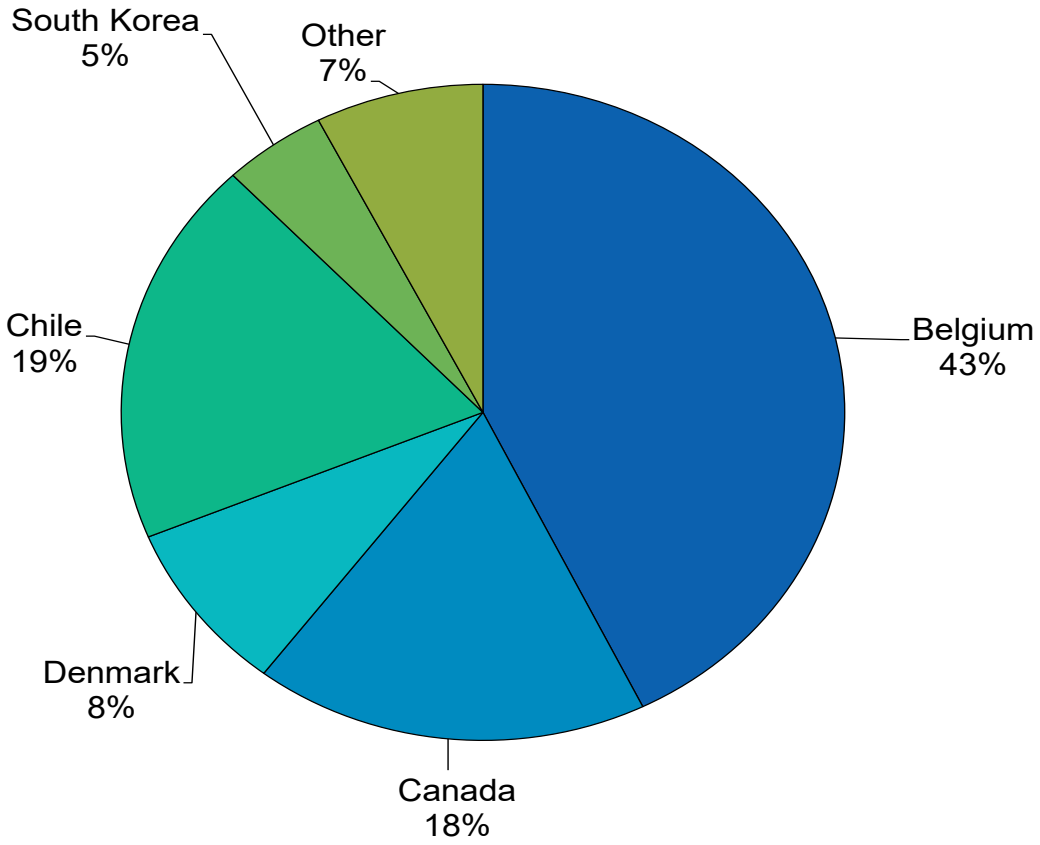


FISH AND MARINE ANIMAL OIL EXPORTS, BY COUNTRY OF DESTINATION, 2018 AND 2019 (1)

Country	2018			2019		
	Thousand pounds	Metric tons	Thousand dollars	Thousand pounds	Metric tons	Thousand dollars
Belgium	1,180	535	7,212	84,733	38,435	58,240
Canada	31,219	14,161	32,118	35,001	15,876	35,587
Denmark	53,232	24,146	33,616	37,797	17,145	25,182
Chile	23,227	10,536	15,304	16,744	7,595	11,262
South Korea	7,495	3,400	7,202	9,185	4,166	9,006
China - Hong Kong	756	343	11,977	467	212	6,942
Taiwan	8,891	4,033	7,451	4,321	1,960	5,432
China	399	181	3,940	437	198	4,971
Russian Federation	930	422	4,236	412	187	4,713
Other	13,268	6,019	31,172	9,267	4,204	32,348
Total	**140,596**	**63,774**	**154,229**	**198,366**	**89,978**	**193,684**

(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, 2019, by Volume



U.S. Supply of Fishery Products

Supply of Fishery Products

U.S. SUPPLY OF EDIBLE AND INDUSTRIAL FISHERY PRODUCTS, 2010-2019
(Round weight)

Year	Domestic Commercial Landings	Imports	Exports	Total
	Million pounds			
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	12,969	8,520	13,834
2019	**9,309**	**12,432**	**8,435**	**13,306**

U.S. SUPPLY OF EDIBLE FISHERY PRODUCTS, 2010-2019
(Round weight)

Year	Domestic Commercial Landings	Imports	Exports	Total
	Million pounds			
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	12,230	6,727	13,003
2019	**7,542**	**11,791**	**6,331**	**13,002**

U.S. SUPPLY OF INDUSTRIAL FISHERY PRODUCTS, 2010-2019
(Round weight)

Year	Domestic Commercial Landings	Imports	Exports	Total
	Million pounds			
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
2019	**1,766**	**641**	**2,104**	**303**

U.S. SUPPLY OF COMMERCIAL FINFISH AND SHELLFISH, 2018 and 2019

Item	Domestic Commercial landings		Imports		Exports		Total	
	2018	2019	2018	2019	2018	2019	2018	2019
	Thousand pounds—round weight							
Edible								
Finfish	6,408,762	6,583,886	7,567,681	7,203,288	6,219,471	5,891,953	7,756,972	7,895,221
Shellfish, et al.	1,090,983	958,274	4,662,624	4,588,176	507,182	439,127	5,246,425	5,107,323
Subtotal	**7,499,745**	**7,542,160**	**12,230,305**	**11,791,464**	**6,726,653**	**6,331,080**	**13,003,397**	**13,002,544**
Industrial								
Finfish	1,831,901	1,737,668	739,104	640,881	1,793,814	2,103,890	777,191	274,659
Shellfish, et al.	53,722	28,814	(1)	(1)	(1)	(1)	53,722	28,814
Subtotal	**1,885,623**	**1,766,482**	**739,104**	**640,881**	**1,793,814**	**2,103,890**	**830,913**	**303,473**
Total:								
Finfish	8,240,663	8,321,554	8,306,785	7,844,169	8,013,285	7,995,843	8,534,163	8,169,880
Shellfish, et al.	1,144,705	987,088	4,662,624	4,588,176	507,182	439,127	5,300,147	5,136,137
Grand Total	**9,385,368**	**9,308,642**	**12,969,409**	**12,432,345**	**8,520,467**	**8,434,970**	**13,834,310**	**13,306,017**

(1) Not available.

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

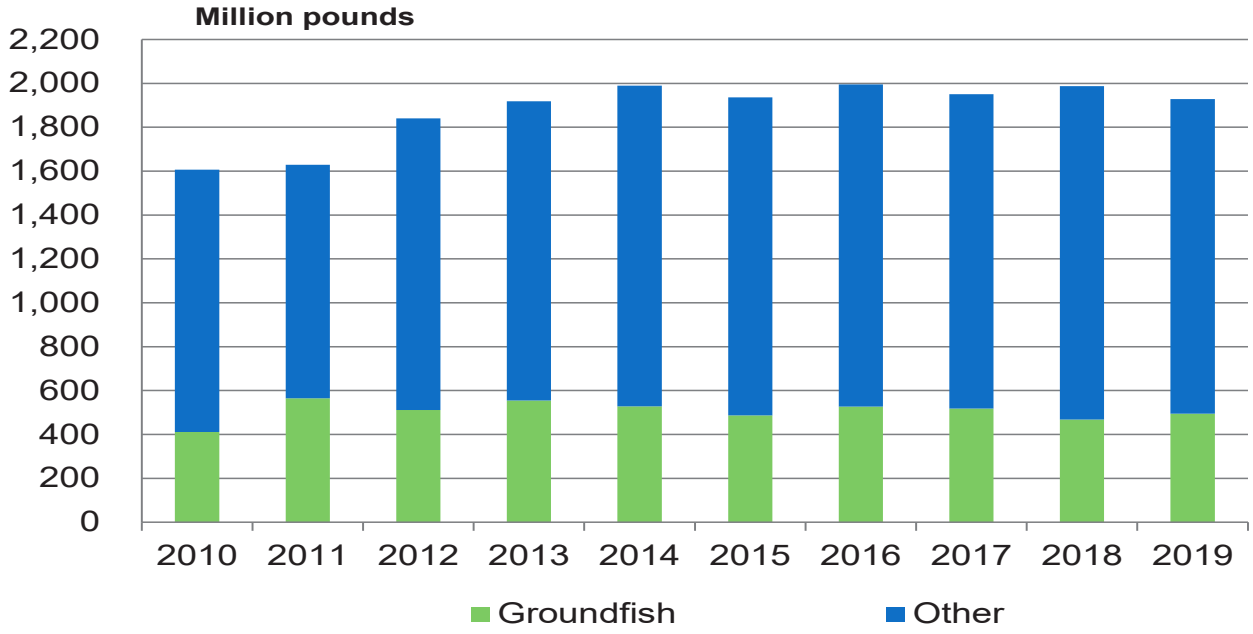
Supply of Fishery Products

U.S. SUPPLY OF ALL FILLETS AND STEAKS, 2010-2019 (edible weight)

Year	U.S. Production (1)	Imports	Total	Exports	Total Supply
	Thousand pounds				
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	751,711	1,671,236	2,422,947	435,656	1,987,291
2019	**795,419**	**1,553,296**	**2,348,715**	**419,896**	**1,928,819**

(1) Includes fillets used to produce blocks.

U.S. Supply of Fillets and Steaks, 2010-2019



U.S. SUPPLY OF GROUNDFISH FILLETS AND STEAKS, 2010-2019 (edible weight)

Year	U.S. Production (1)	Imports	Total	Exports (2)	Total Supply
	Thousand pounds				
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	567,585	257,884	825,469	357,154	468,314
2019	**604,996**	**237,334**	**842,330**	**347,749**	**494,581**

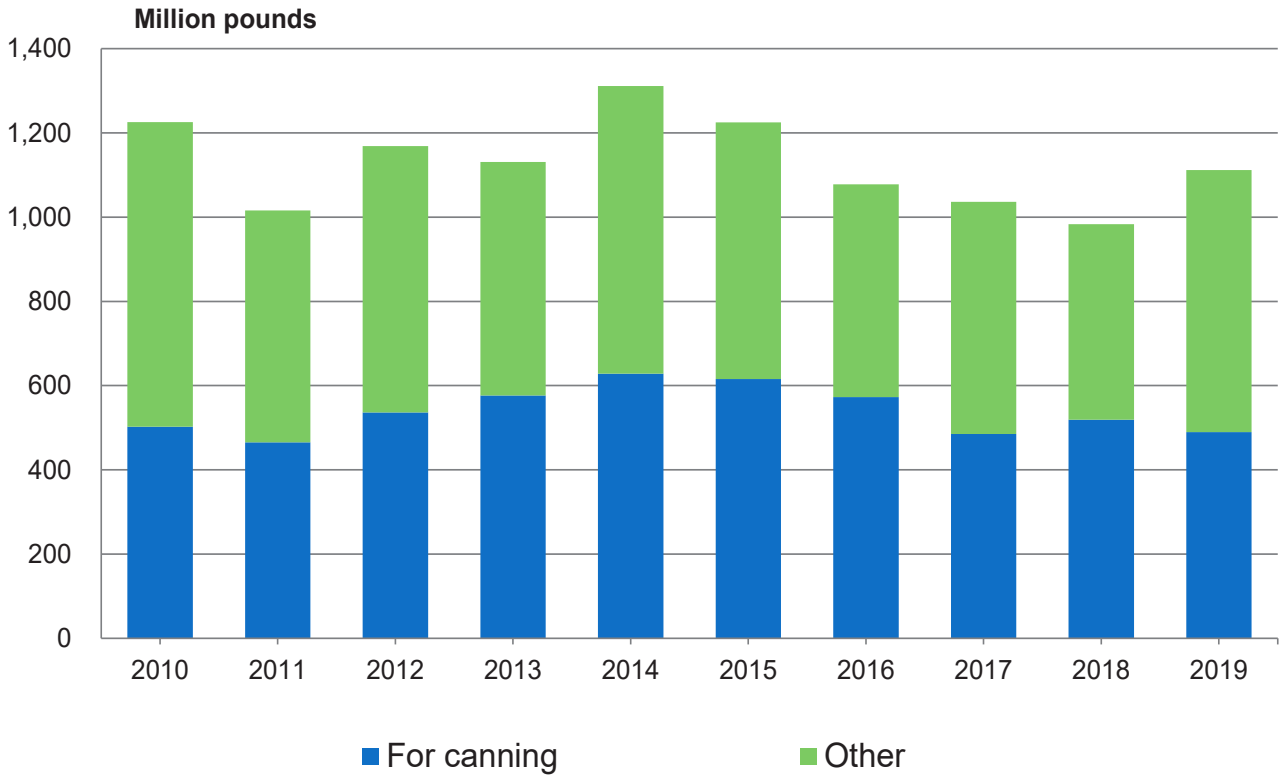
(1) Includes fillets used to produce blocks. Species include cod, cusk, haddock, hake, pollock, and ocean perch.
(2) Species include cod and pollock.

U.S. SUPPLY OF FRESH AND FROZEN TUNA, 2010-2019 (round weight)

Year	U.S. Commercial Landings (1)			Imports (2)			Exports Total	Total Supply
	For canning	Other	Total	For Canning	Other	Total		
	Thousand pounds							
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	182,876	309,901	492,777	335,916	184,307	520,223	29,737	983,263
2019	**168,386**	**357,746**	**526,132**	**321,164**	**293,930**	**615,094**	**29,737**	**1,111,489**

(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, 2010-2019



Supply of Fishery Products

U.S. SUPPLY OF FRESH AND FROZEN SALMON, 2010-2019 (round weight)

Year	U.S. Commercial Landings			Imports Total	Exports Total	Total Supply
	For Canning	Other	Total			
	Thousand pounds					
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	1,451,645	496,823	1,530,794
2019	**171,214**	**667,053**	**838,267**	**1,527,342**	**560,478**	**1,805,131**

U.S. SUPPLY OF CANNED SALMON, 2010-2019 (canned weight)

Year	U.S. Pack	Imports	Total	Exports	Total Supply
	Thousand pounds				
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	55,150	32,691
2019	**112,424**	**29,853**	**142,277**	**46,705**	**95,572**

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, 2010-2019 (canned weight)

Year	U.S. Pack	Imports	Total	Exports	Total Supply
	Thousand pounds				
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	346,408	345,855	692,263	3,330	688,933
2019	**378,780**	**355,264**	**734,044**	**2,979**	**731,065**

U.S. SUPPLY OF KING CRAB, 2010-2019 (round weight)

Year	U.S. Commercial Landings	Imports (1)	Total	Exports (1)	Total Supply
	Thousand pounds				
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
2019	**10,818**	**48,961**	**59,779**	**4,742**	**55,037**

(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, 2010-2019 (round weight)

Year	U.S. Commercial Landings	Imports (1)	Total	Exports (2)	Total Supply
	Thousand pounds				
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
2019	**27,260**	**177,328**	**204,588**	**21,082**	**183,506**

(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, 2010-2019 (canned weight)

Year	U.S. Pack	Imports	Total	Exports	Total Supply
	Thousand pounds				
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	71,897	71,978	703	71,275
2019	**47**	**64,624**	**64,671**	**847**	**63,824**

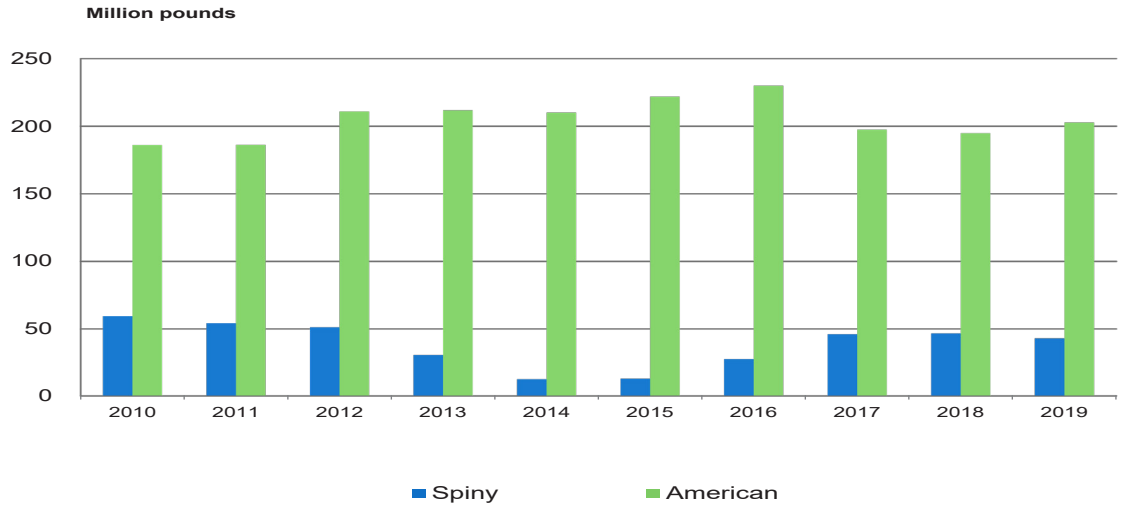
Supply of Fishery Products

U.S. SUPPLY OF AMERICAN LOBSTERS, 2010-2019 (Round weight)

Year	U.S. Commercial Landings	Imports (1)	Total	Exports (2)	Total Supply
	Thousand pounds				
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	166,256	312,432	117,629	194,803
2019	**125,828**	**170,117**	**295,945**	**93,114**	**202,831**

(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, 2010-2019



U.S. SUPPLY OF SPINY LOBSTERS, 2010-2019 (Round weight)

Year	U.S. Commercial Landings	Imports (1)	Total	Exports (2)	Total Supply
	Thousand pounds				
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	47,589	54,657	7,869	46,788
2019	**4,493**	**45,931**	**50,424**	**7,263**	**43,161**

(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, 2010-2019 (meat weight)

Year	U.S. Commercial Landings (1)	Imports (2)	Total	Exports	Total supply
	Thousand pounds				
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	32,369	118,039	5,412	112,627
2019	**75,688**	**27,776**	**103,464**	**4,826**	**98,638**

(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, 2010-2019 (meat weight)

Year	U.S. Commercial Landings	Imports (1)	Total	Exports	Total Supply
	Thousand pounds				
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	45,972	76,276	5,758	70,518
2019	**30,304**	**30,696**	**61,000**	**5,724**	**55,276**

(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, 2010-2019 (meat weight)

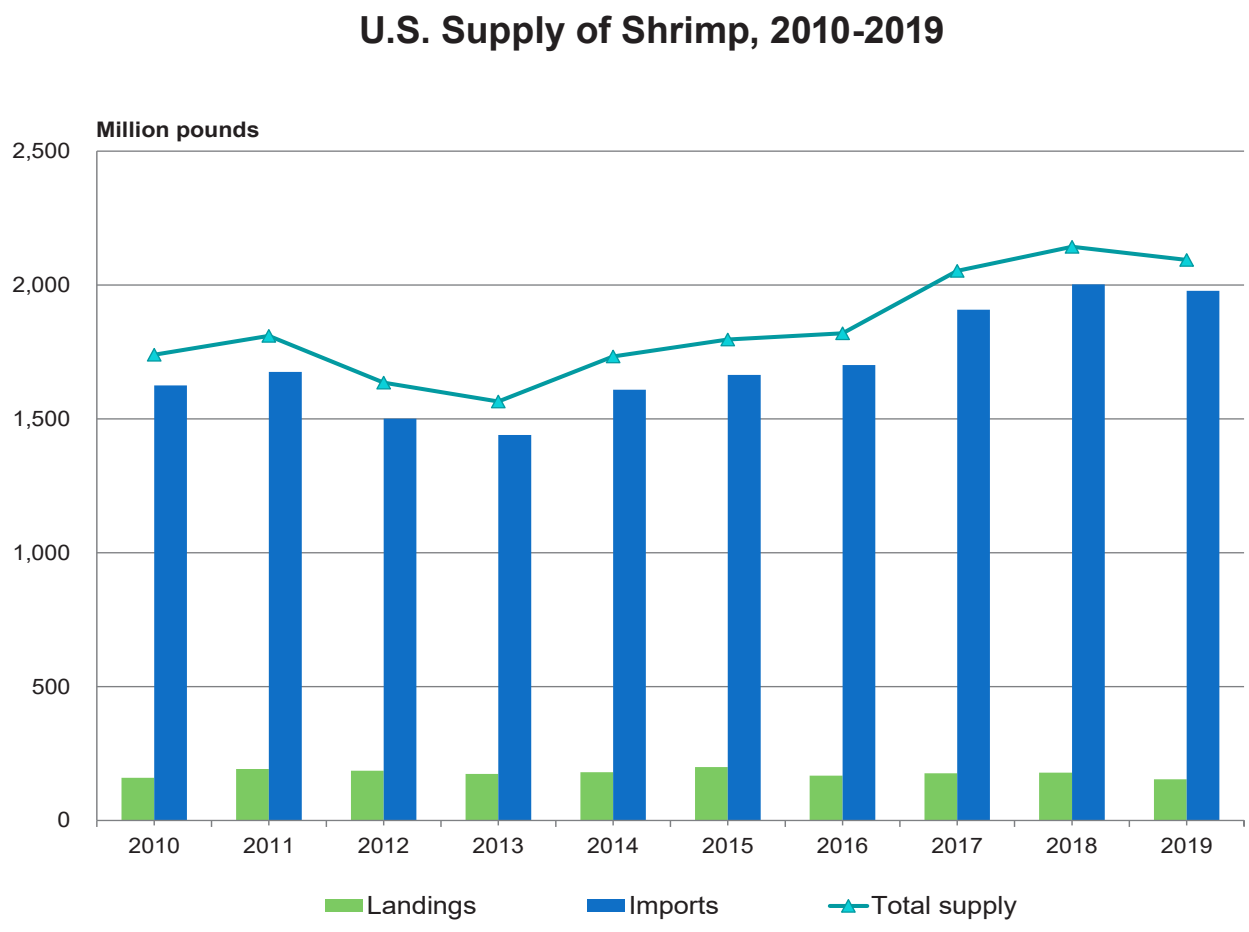
Year	U.S. Commercial Landings (1)	Imports	Total	Exports	Total Supply
	Thousand pounds				
2010	57,584	50,424	108,008	23,137	84,871
2011	59,277	55,483	114,760	29,941	84,819
2012	57,471	33,565	91,036	31,512	59,524
2013	41,173	59,910	101,083	26,693	74,390
2014	33,980	59,449	93,429	25,533	67,896
2015	35,824	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
2019	**60,794**	**33,984**	**94,778**	**15,080**	**79,698**

(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, 2010-2019 (head-off weight)

Year	U.S. Commercial Landings (1)	Imports (2)	Total	Exports (3)	Total Supply
	Thousand pounds				
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	2,002,103	2,180,844	37,971	2,142,873
2019	**153,493**	**1,977,926**	**2,131,419**	**37,424**	**2,093,995**

(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, 2010-2019 (product weight)

Year	U.S. Production (1)	Imports	Total	Exports	Total Supply
	Thousand pounds				
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	630,364	131,984	762,348	320,327	442,021
2019	**579,649**	**114,444**	**694,093**	**375,699**	**318,394**

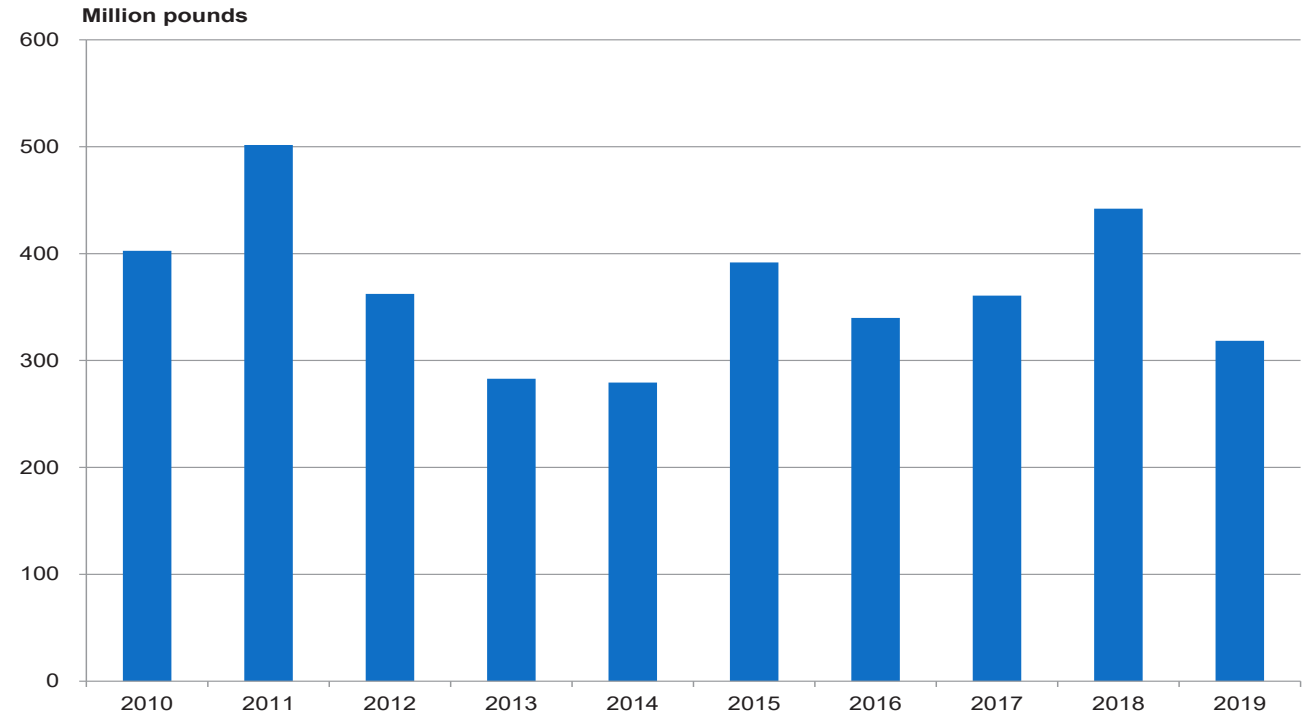
(1) Includes shellfish meal.

U.S. SUPPLY OF FISH OILS, 2010-2019 (product weight)

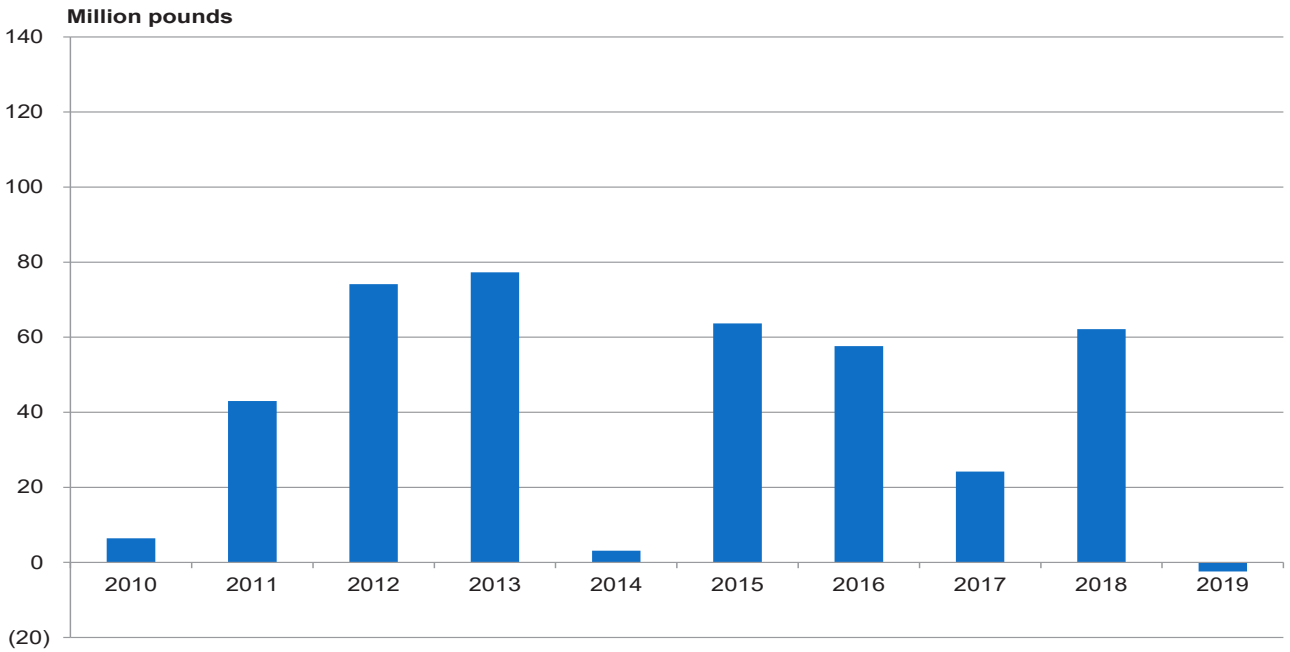
Year	U.S. Production	Imports	Total	Exports	Total Supply
	Thousand pounds				
2010	136,362	45,061	181,423	174,985	6,437
2011	143,171	48,880	192,051	149,071	42,981
2012	115,090	52,055	167,145	92,983	74,162
2013	175,876	53,040	228,916	151,650	77,266
2014	139,005	41,354	180,359	177,232	3,127
2015	139,951	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	154,785	47,986	202,771	140,598	62,173
2019	**150,267**	**47,477**	**197,744**	**198,368**	**(624)**

Supply of Fishery Products

U.S. Supply of Fish Meal, 2010-2019



U.S. Supply of Fish Oils, 2010-2019



Per Capita Consumption

Per Capita Consumption

The NMFS 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.

In 2019 the NMFS Office of Science and Technology undertook a thorough examination of the calculation used to estimate per capita consumption. The goal of this review was to update the calculation based on newer available sources of data and make any needed corrections and updates. An initial review suggested that the treatment of Alaska pollock and products processed from Alaska pollock should be the focus, based on the very large contribution of Alaska pollock to U.S. domestic landings. In addition, processing efficiency of pollock has greatly increased since the 1990's suggesting that the related factors used to convert from processed Alaska pollock products to Alaska pollock catch should be examined. The detailed results of this evaluation are presented in a NMFS Technical Memorandum which is available at https://spo.nmfs.noaa.gov/content/tech-memo/updating-noaa-fisheries-capita-consumption-model

Results from this updated calculation are presented in the subsequent tables for 1990 to 2019. The numbers presented in these tables will not be comparable to previous editions of Fisheries of the United States. Estimated U.S. per capita consumption of fish and shellfish was 19.2 pounds (edible meat) in 2019. This total is an increase of 0.2 pounds from the 19.0 pounds consumed in 2018, due to a small increase in the consumption of canned seafood. As in other recent years, the increase in consumption of canned seafood products was driven by an increase in canned salmon production in 2019. 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, small annual fluctuations in the consumption of canned products will result. Because of this it may be better to combine consecutive years to derive a more realistic figure for canned salmon consumption.

For 2019 per capita consumption of fresh and frozen products was 15.0 pounds, with fresh and frozen finfish accounting for 9.0 pounds, while fresh and frozen shellfish consumption was 6.0 pounds per capita. Consumption of all canned fishery products was 3.9 pounds per capita in 2019, up 0.2 pounds from 2018. Cured fish estimated to be 0.3 pounds per capita, the same as in previous years.

NOAA calculates a range of 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 affect 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. The new calculation described above had the effect of reducing this percentage range. For 2019, the estimated percentage of consumption coming from imports is 76 percent, based on the updated calculation. Because of the many inputs and great complexity of this calculation we do not attempt to quantify the variance of this estimate, but we do prefer to report the figure as a range of 70 to 85 percent.

WORLD CONSUMPTION

The FAO calculation for apparent consumption is also based on a disappearance model, but with slightly different assumptions and based on a round-weight standard. The 3-year average considers a country's landings, imports, and exports. The average data from 2015 to 2017, and 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, 1910-2019

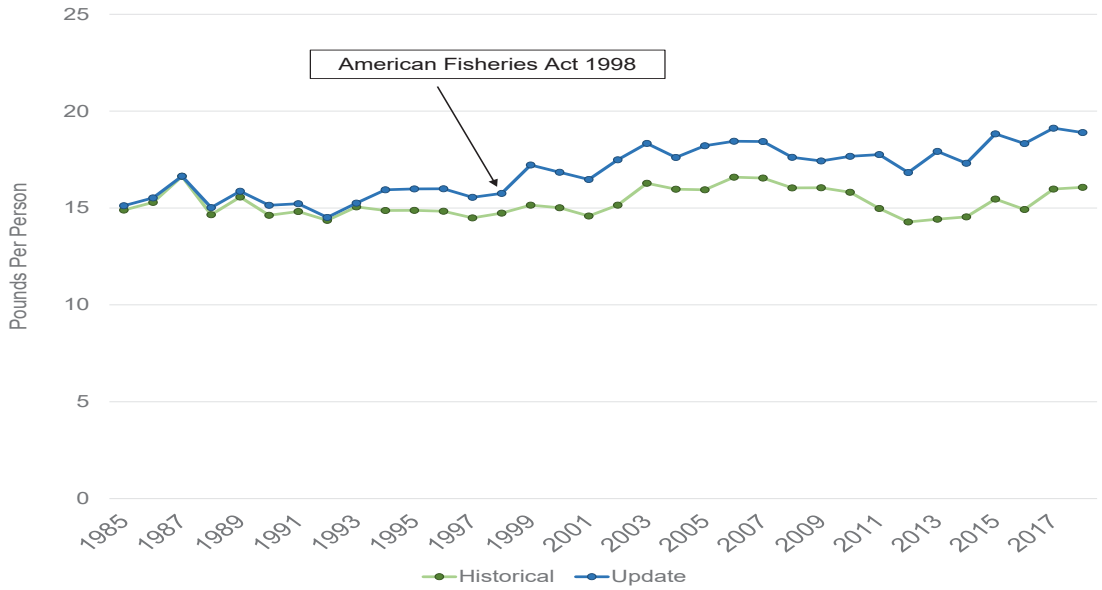
Year	Civilian Resident Population July 1	Per Capita Consumption			
		Fresh and Frozen	Canned	Cured	Total
	Million persons	--------Pounds, edible meat--------			
1910 (1)	92.2	4.5	2.8	3.9	11.2
1920 (1)	106.5	6.3	3.2	2.3	11.8
1930	122.9	5.8	3.4	1.0	10.2
1940	132.1	5.7	4.6	0.7	11.0
1950	150.8	6.3	4.9	0.6	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 (2)	225.6	7.4	4.7	0.3	12.4
1990	247.8	9.5	5.3	0.3	15.1
1991	250.5	9.6	5.4	0.3	15.2
1992	253.5	9.4	4.8	0.3	14.5
1993	256.4	10.1	4.8	0.3	15.3
1994	259.2	10.8	4.9	0.3	15.9
1995	261.4	10.6	5.1	0.3	16.0
1996	264.0	10.9	4.8	0.3	16.0
1997	266.4	10.7	4.5	0.3	15.6
1998	269.1	10.7	4.7	0.3	15.8
1999	271.5	11.5	5.4	0.3	17.2
2000	280.9	11.6	5.0	0.3	16.8
2001	283.6	11.8	4.4	0.3	16.5
2002	287.1	12.4	4.8	0.3	17.5
2003	289.6	13.1	4.9	0.3	18.3
2004	292.4	12.9	4.4	0.3	17.6
2005	295.3	13.4	4.5	0.3	18.2
2006	298.2	14.0	4.2	0.3	18.4
2007	300.5	14.0	4.2	0.3	18.4
2008	302.9	13.1	4.2	0.3	17.6
2009	305.8	13.2	3.9	0.3	17.4
2010	308.4	13.1	4.2	0.3	17.7
2011	310.4	13.4	4.0	0.3	17.8
2012	312.7	12.9	3.6	0.3	16.8
2013	314.9	13.8	3.8	0.3	17.9
2014	317.6	13.5	3.5	0.3	17.3
2015	320.2	14.6	4.0	0.3	18.8
2016	321.9	14.4	3.6	0.3	18.3
2017	324.5	15.1	3.8	0.3	19.1
2018	**326.0**	**15.0**	**3.7**	**0.3**	**19.0**
2019 (2)	**327.1**	**15.0**	**3.9**	**0.3**	**19.2**

(1) Notes for 1910 and 1920: Resident population is used. Civilian resident population is used for 1930 forward; Fresh and frozen fish consumption is estimated.;Canned fish consumption for is estimated Beginning in 1921, it is based on production reports, and foreign trade statistics.

(2) Methodological change implemented for 2019--previous years recalcuated back to 1980. Values here will not agree with earlier edtions of FUS.

Record years: Fresh & Frozen -- 12.3,2006 and 2018; Canned -- 5.8, 1936; Cured -- 4.0, 1909.

Comparison of Historical vs. Updated Per Capita Consumption Calculations



U.S. ANNUAL PER CAPITA CONSUMPTION OF CANNED FISHERY PRODUCTS, 1990-2019 (1)

Year	Salmon	Sardines	Tuna	Shellfish	Other	Total
	Pounds					
1990	0.5	0.3	3.5	0.3	0.7	5.3
1991	0.5	0.2	3.7	0.4	0.5	5.4
1992	0.2	0.2	3.6	0.3	0.5	4.8
1993	0.4	0.2	3.3	0.3	0.6	4.8
1994	0.5	0.2	3.3	0.3	0.6	4.9
1995	0.6	0.2	3.3	0.3	0.6	5.1
1996	0.4	0.2	3.3	0.3	0.6	4.8
1997	0.3	0.2	3.1	0.3	0.6	4.5
1998	0.3	0.2	3.4	0.3	0.5	4.7
1999	0.5	0.2	3.8	0.4	0.6	5.4
2000	0.3	0.2	3.5	0.3	0.6	5.0
2001	0.4	0.2	2.8	0.3	0.7	4.4
2002	0.5	0.1	3.2	0.3	0.7	4.8
2003	0.4	0.1	3.4	0.4	0.6	4.9
2004	0.3	0.1	3.0	0.4	0.6	4.4
2005	0.4	0.1	3.0	0.4	0.6	4.5
2006	0.2	0.2	2.9	0.4	0.5	4.2
2007	0.3	0.2	2.7	0.4	0.5	4.2
2008	0.1	0.2	2.8	0.4	0.6	4.2
2009	0.2	0.2	2.5	0.4	0.6	3.9
2010	0.2	0.2	2.7	0.4	0.6	4.2
2011	0.2	0.2	2.6	0.4	0.6	4.0
2012	0.1	0.2	2.4	0.4	0.5	3.6
2013	0.4	0.2	2.3	0.4	0.5	3.8
2014	0.0	0.2	2.3	0.4	0.6	3.5
2015	0.3	0.2	2.2	0.5	0.8	4.0
2016	0.0	0.2	2.1	0.5	0.8	3.6
2017	0.3	0.3	2.1	0.5	0.7	3.6
2018	0.1	0.2	2.1	0.5	0.7	3.5
2019	**0.3**	**0.2**	**2.2**	**0.4**	**0.7**	**3.9**

(1) Methodological change implemented for 2019--previous years recalcuated back to 1990. Values here will not agree with earlier edtions of FUS.

U.S. ANNUAL PER CAPITA CONSUMPTION OF CERTAIN FISHERY ITEMS, 1990-2019 (3)

Year	Fillets and Steaks (1)	Sticks and Portions	Shrimp, All Preparations
	Pounds (2)		
1990	3.4	1.5	2.3
1991	3.1	1.2	2.4
1992	2.8	0.9	2.5
1993	2.4	1.0	2.5
1994	2.5	0.8	2.5
1995	3.0	1.2	2.5
1996	2.9	1.0	2.4
1997	3.0	1.0	2.6
1998	3.2	0.9	2.8
1999	3.5	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	5.8	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	4.6
2018	5.8	0.5	4.7
2019	**5.7**	**0.5**	**4.7**

(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.
(3) Methodological change implemented for 2019--previous years recalcuated back to 1990. Values here will not agree with earlier edtions of FUS.

PER CAPITA CONSUMPTION OF FISH AND SHELLFISH FOR HUMAN FOOD, BY REGION AND COUNTRY, 2015-2017 AVERAGE

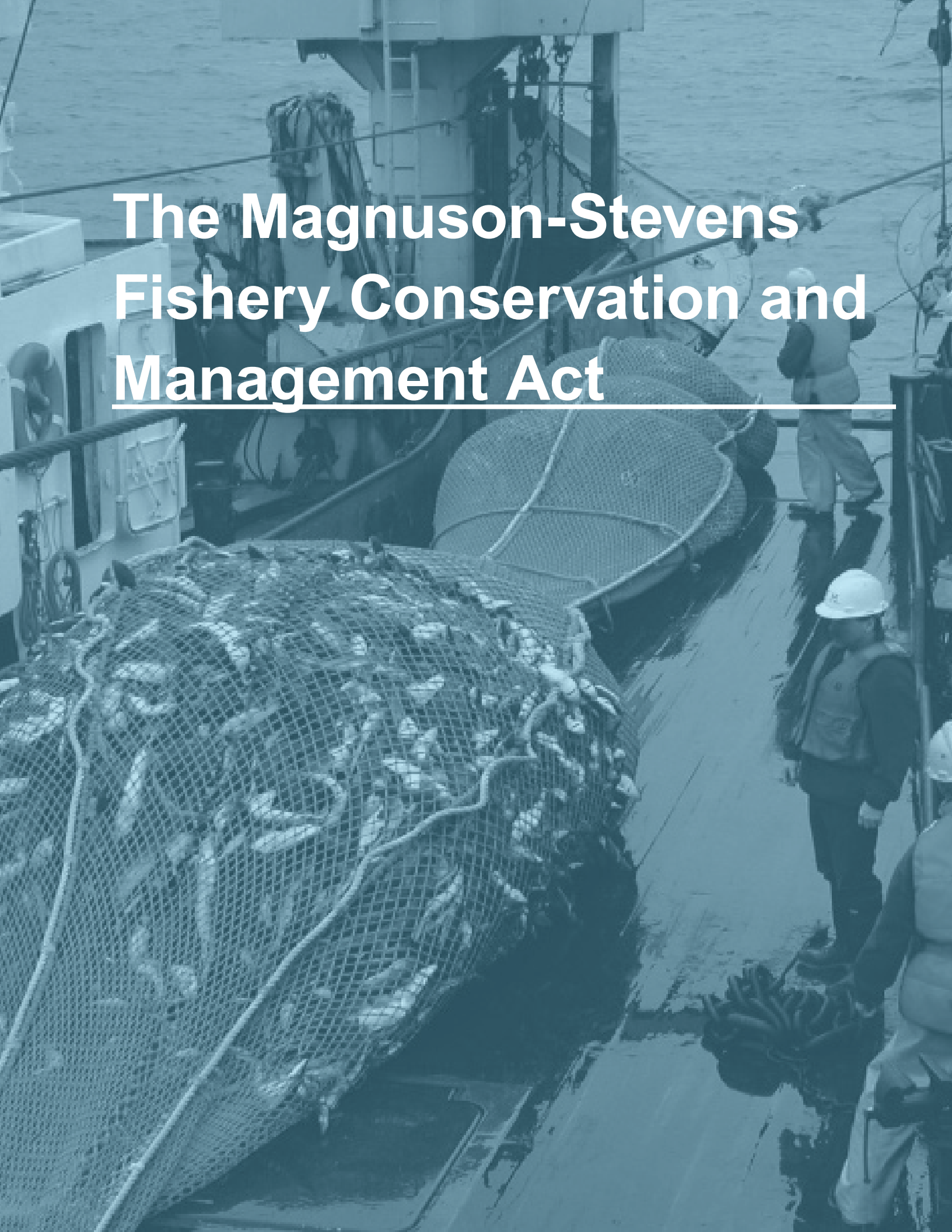
Region and Country	Estimated Live Weight Equivalent	
	Kilograms	Pounds
North America:		
Bermuda	46.1	101.7
Canada	22.3	49.2
Greenland	86.0	189.5
Saint Pierre & Miquelon	79.4	175.1
United States	22.1	48.8
Caribbean:		
Anguilla	51.3	113.2
Antigua and Barbuda	54.6	120.4
Aruba	53.0	116.7
Bahamas	26.4	58.2
Barbados	42.0	92.7
Bonaire	12.4	27.3
British Virgin Islands	32.4	71.3
Cayman Islands	15.1	33.4
Cuba	6.3	13.8
Curaçao	30.0	66.0
Dominica	29.8	65.7
Dominican Republic	8.3	18.2
Grenada	26.4	58.2
Guadeloupe	10.9	24.1
Haiti	5.6	12.4
Jamaica	23.4	51.6
Martinique	10.6	23.4
Montserrat	36.0	79.3
Puerto Rico	0.6	1.3
Saint Kitts & Nevis	39.1	86.3
Saint Lucia	33.1	73.0
Saint Vincent	19.7	43.3
Sint Maarten	6.2	13.7
Trinidad & Tobago	22.0	48.5
Turks & Caicos	50.2	110.6
U.S. Virgin Islands	4.5	9.9
Latin America:		
Argentina	6.9	15.1
Belize	13.7	30.3
Bolivia	2.6	5.8
Brazil	9.1	20.0
Chile	12.0	26.5
Colombia	7.2	15.9
Costa Rica	16.6	36.6
Ecuador	8.5	18.6
El Salvador	6.9	15.1
Falkland Islands	43.9	96.7
French Guiana	11.3	25.0
Guatemala	3.1	6.8
Guyana	24.5	54.1
Honduras	2.4	5.3
Mexico	15.2	33.6
Nicaragua	6.4	14.1
Panama	14.4	31.7
Paraguay	4.1	9.0
Peru	24.9	54.9
Suriname	17.0	37.5
Uruguay	8.7	19.2
Venezuela	9.5	20.9
Europe:		
Albania	8.6	19.0
Armenia	6.3	13.9
Austria	14.1	31.0
Azerbaijan	2.3	5.0
Belarus	11.8	25.9
Belgium	23.9	52.6
Bosnia-Herzegovina	5.9	13.0
Bulgaria	7.2	15.8
Croatia	17.5	38.7
Czech Republic	9.2	20.3
Denmark	25.5	56.3
Estonia	13.8	30.4
Faroe Islands	87.5	193.0
Finland	33.4	73.7
France	33.9	74.7
Georgia	8.4	18.5
Germany	13.2	29.0
Greece	19.3	42.6
Hungary	6.0	13.2
Iceland	92.8	204.5
Ireland	21.9	48.4
Italy	29.6	65.4
Kazakhstan	3.4	7.5
Kyrgyzstan	1.4	3.0
Latvia	24.0	52.9
Lithuania	29.4	64.9
Luxembourg	34.0	75.1
Malta	32.8	72.4
Moldova	10.9	24.1
Montenegro	13.2	29.1
Netherlands	21.5	47.5
North Macedonia	6.3	13.9
Norway	50.9	112.3
Poland	11.7	25.8
Portugal	55.6	122.6
Romania	7.6	16.7
Russian Federation	20.3	44.7
Serbia	5.5	12.0
Slovakia	9.4	20.8
Slovenia	11.6	25.5
Spain	42.9	94.5
Sweden	32.8	72.3
Switzerland	17.3	38.1
Tajikistan	0.5	1.0
Turkmenistan	3.2	7.1
Ukraine	10.5	23.1
United Kingdom	19.1	42.1
Uzbekistan	2.5	5.4
Near East:		
Afghanistan	0.2	0.5
Bahrain	16.8	37.0
Cyprus	23.9	52.6
Egypt	23.5	51.9
Iran	11.4	25.2
Iraq	2.9	6.3
Israel	24.7	54.4
Jordan	5.7	12.6
Kuwait	14.1	31.1
Lebanon	8.6	18.9
Oman	28.3	62.3
Qatar	24.0	52.9
Saudi Arabia	11.6	25.7
Syria	1.6	3.6
Turkey	5.1	11.3
United Arab Emirates	26.4	58.1
Yemen	4.0	8.7
Far East:		
Bangladesh	24.8	54.6
Bhutan	6.4	14.1
Brunei	39.9	87.9
Burma	46.4	102.2
Cambodia	42.0	92.7
China	38.5	84.9
China - Hong Kong	69.0	152.2
China - Macao	62.4	137.6
India	6.6	14.6

PER CAPITA CONSUMPTION OF FISH AND SHELLFISH FOR HUMAN FOOD, BY REGION AND COUNTRY, 2015-2017 AVERAGE

Region and Country	Estimated Live Weight Equivalent	
	Kilograms	Pounds
Indonesia	41.1	90.6
Japan	46.2	101.9
Laos	24.7	54.4
Malaysia	58.1	128.0
Maldives	118.4	261.1
Mongolia	0.6	1.2
Nepal	3.0	6.6
North Korea	11.2	24.6
Pakistan	1.8	4.0
Philippines	28.2	62.3
Singapore	48.5	106.9
South Korea	56.4	124.2
Sri Lanka	30.9	68.0
Taiwan	30.2	66.5
Thailand	26.9	59.3
Timor-Leste	6.8	14.9
Vietnam	36.4	80.3
Africa:		
Algeria	4.0	8.8
Angola	20.8	45.9
Benin	18.9	41.7
Botswana	3.5	7.6
Burkina Faso	7.5	16.4
Burundi	2.7	5.9
Cabo Verde	11.7	25.8
Cameroon	19.7	43.5
Central African Republic	7.9	17.5
Chad	7.3	16.1
Comoros	14.9	32.8
Congo (Dem. Rep. of)	4.8	10.7
Congo (Republic of)	27.4	60.4
Côte d'Ivoire	19.2	42.4
Djibouti	4.8	10.5
Equatorial Guinea	14.5	31.9
Eritrea	1.3	2.8
Eswatini	3.9	8.6
Ethiopia	0.5	1.1
Gabon	32.9	72.5
Gambia	27.0	59.6
Ghana	24.9	54.8
Guinea	10.3	22.8
Guinea-Bissau	1.2	2.7
Kenya	3.5	7.7
Lesotho	1.7	3.8
Liberia	5.8	12.8
Libya	16.0	35.2
Madagascar	5.2	11.4
Malawi	10.4	22.9
Mali	8.4	18.6
Mauritania	8.7	19.3
Mauritius	23.9	52.7
Morocco	20.0	44.1
Mozambique	12.1	26.7
Namibia	12.8	28.2
Niger	2.0	4.4
Nigeria	9.8	21.7
Rwanda	7.6	16.7
Saint Helena	55.8	123.1
Sao Tome and Principe	29.8	65.7
Senegal	18.3	40.3
Seychelles	57.2	126.1
Sierra Leone	26.8	59.0
Somalia	2.3	5.1
South Africa	6.4	14.1
South Sudan	3.3	7.2
Sudan	1.1	2.4
Tanzania	7.1	15.7
Togo	12.5	27.5
Tunisia	13.0	28.7
Uganda	11.8	26.0
Zambia	12.1	26.6
Zimbabwe	3.7	8.2
Oceania:		
American Samoa	5.5	12.2
Australia	26.4	58.3
Cook Islands	61.2	134.8
Fiji	34.0	74.9
French Polynesia	47.8	105.4
Kiribati	76.6	168.8
Marshall Islands	38.3	84.4
Micronesia	47.3	104.3
Nauru	50.6	111.5
New Caledonia	25.3	55.7
New Zealand	24.5	53.9
Palau	67.4	148.5
Papua New Guinea	16.5	36.4
Samoa	48.5	107.0
Solomon Islands	33.0	72.7
Tonga	21.3	47.0
Tuvalu	48.0	105.8
Vanuatu	32.8	72.2
Wallis & Futuna	54.0	119.1
World	**20.0**	**44.2**

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

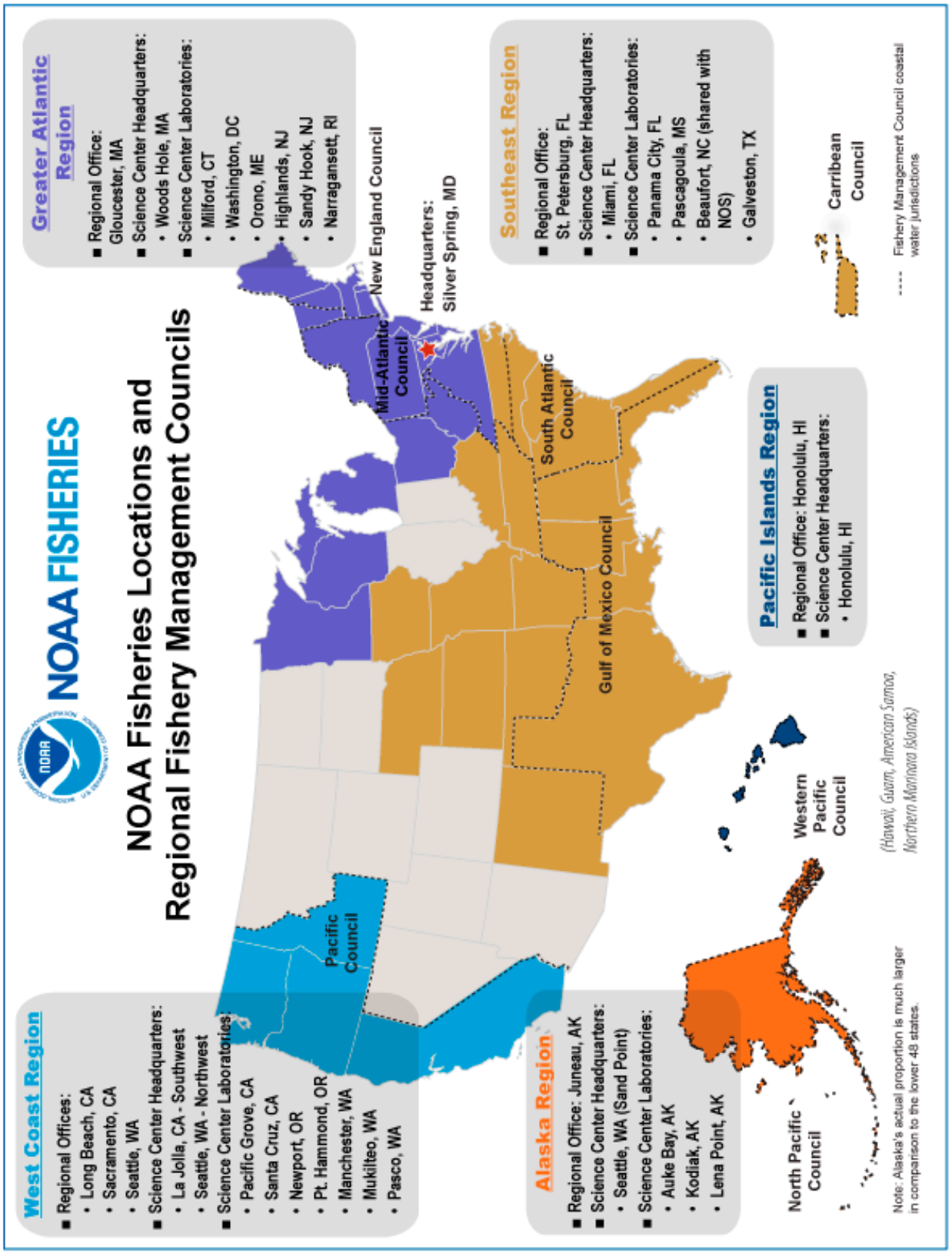
1. American Samoa Archipelago Ecosystem FEP
2. Pacific Pelagic Fisheries of the Western Pacific Region Ecosystem FEP
3. Hawaii Archipelago Ecosystem FEP
4. Mariana Archipelago Ecosystem FEP
5. Pacific Remote Island Areas Ecosystem FEP

HIGHLY MIGRATORY SPECIES PLANS

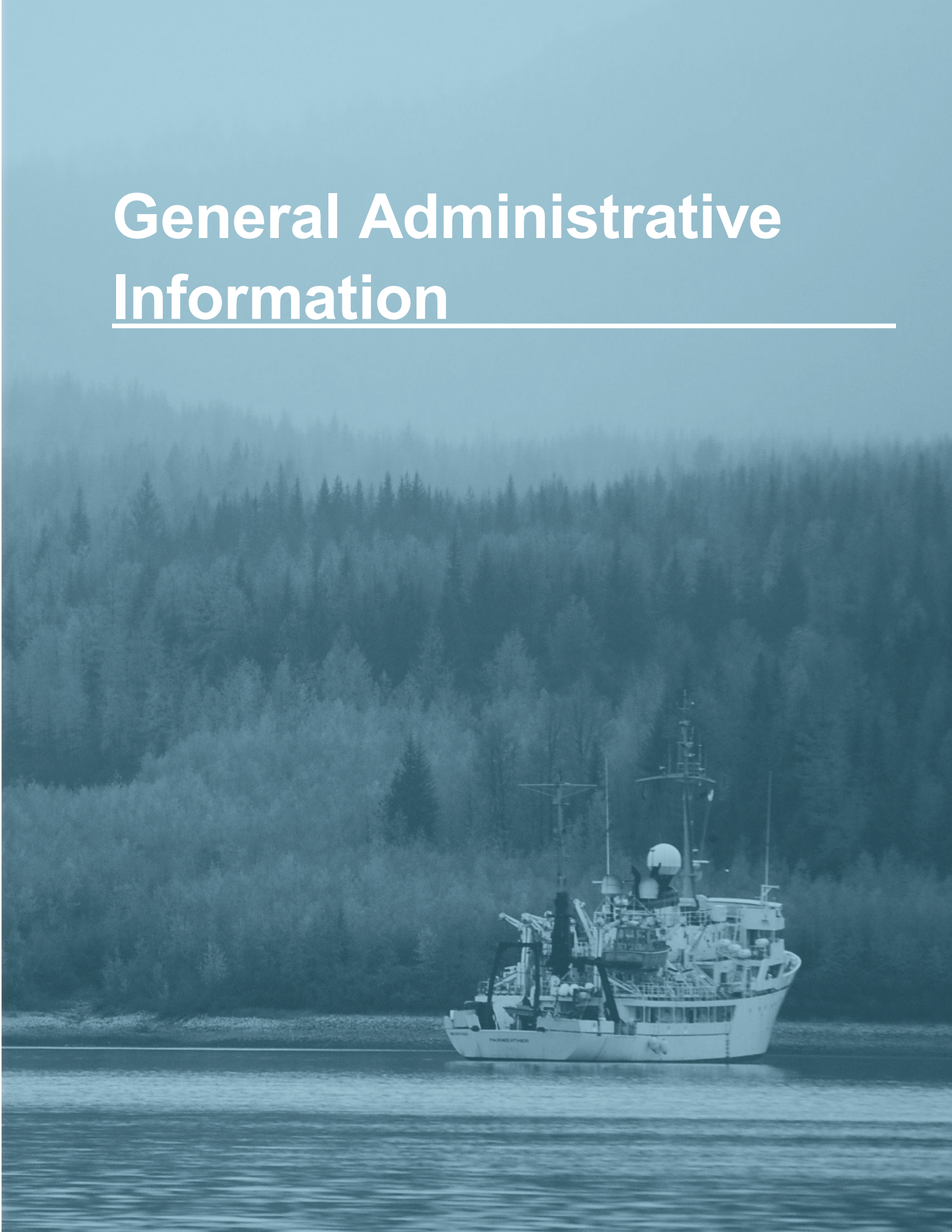
1. Consolidated Atlantic Highly Migratory Species FMP

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	John Carmichael 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 1007 West Third, Suite 400 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
Headquarters: Silver Spring, MD
New England Council
Mid-Atlantic Council
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
Carribean Council
Fishery Management Council coastal water jurisdictions
Pacific Islands Region
Regional Office: Honolulu, HI
Science Center Headquarters:
Honolulu, HI
Western Pacific Council
(Hawai'i, Guam, American Samoa, Northern Mariana Islands)
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
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

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.	301-427-8000
	Director, NOAA Aquaculture Program --	
	Danielle Blacklock	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	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 --**	
	Carrie Selberg Robinson	301-427-8600
F/HC1	Chesapeake Bay Program Office	410-267-5660
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

UNITED STATES DEPARTMENT OF COMMERCE

Silver Spring, MD 20910

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 --**	
	Kelly Denit	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 --**	
	Evan Howell, Ph.D.	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 Resource 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

National Marine Fisheries Service

Regional Facilities

F/SEC9	Beaufort Laboratory 101 Pivers Island Rd. Beaufort, NC 28516	252-728-3595	Beaufort, NC
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 Cell: 978-609-4154	Gregory R. Power, GARFO Analysis and Program Support Div. 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	978-609-4151	David McKernan 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:		
Manteo	252-473-5734 x 233	David Hoke, 1021 Driftwood Dr., 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	Jim Patterson, 1635 South Ridgewood Avenue South Daytona, FL 32119-8425
Tequesta	561-575-4461	Michelle Gamby Port St. Lucie, FL
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) 727-824-5373 (Chau) FAX: 727-824-5349	Renee Roman/ Michael Hourihan/Jade Chau, 263 13th Avenue South, St. Petersburg, FL 33701

NATIONAL MARINE FISHERIES SERVICE

NATIONAL FISHERY STATISTICS OFFICES

CITY	TELEPHONE NUMBER	NAME AND ADDRESS
Panama City	850-234-6541 x 238 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	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)
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 CELL: 979-285-4152	Michelle Padgett, 4005 Technology Drive, Ste. 1034 Box 7, Angleton, TX 77515
Brownsville/ Port Isabel		Permanently Closed
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 :		
Juneau (1)	907-586-7010 FAX: 907-586-7465	Jennifer Mondragon, Federal Building, 4th Floor, 709 West 9th St., Room 401, P.O. Box 21668, Juneau, AK 99801
PACIFIC ISLANDS:		
Honolulu (1)	808-725-5660 FAX: 808-725-5532	Kimberly Lowe, NMFS/PIFSC/FRMD, 1845 Wasp Blvd., Building: 176 Rm. 2239, Honolulu, HI 96818

(1) Regional or area headquarters for statistics offices.

Fisheries Information System

OVERVIEW

The Fisheries Information System program is a state-regional-federal partnership that supports sound, science-based fisheries management. FIS does so by fostering cross-disciplinary collaboration and funding innovative projects to improve the quality of fisheries-dependent data.

FIS participants represent state partners, Fisheries Information Networks, and NOAA Fisheries headquarters, science centers, and regional offices. The program's shared governance structure ensures FIS is meeting inherently regional fisheries-dependent data needs while promoting collaboration and information-sharing across geographic boundaries and professional disciplines.

Among its initiatives, FIS sponsors an annual competitive RFP funding process in conjunction with the National Observer Program's Electronic Technologies program and the National Catch Share Program. Since 2013, FIS has supported more than 200 projects across all regions in the program areas of data improvements, modernization, and integration; electronic monitoring and reporting; quality management and continuous improvement; and Fisheries Information Network development.

In addition to project funding, FIS convenes teams representing state agencies, Fisheries Information Networks, and NOAA headquarters, regional offices, and science centers to address specific fisheries-dependent data issues. These professional specialty groups currently focus on electronic technologies, highly migratory species, software development and design, and quality management and continuous improvement.

PROJECT HIGHLIGHT

Fisheries monitoring and reporting programs have historically relied upon independent fishery observers, real-time vessel position reporting with vessel monitoring systems, fish landings reports, and self-reported vessel paper logbooks. As budget constraints and increasing demands for data drive the need to evaluate and improve existing programs, electronic technologies are becoming an important part of monitoring solutions.

One recent study by the Pacific Islands Fisheries Science Center, supported by funding from FIS, is showing promising results for those technologies. Trained electronic monitoring (EM) video reviewers were able to identify 99 percent of all retained fish species when studying footage of Hawaii shallow-set and deep-set longline fisheries. They also identified 100 percent of false killer whales and sea turtles with which the longline fisheries interacted. The study also showed that the optimal review speed was eight times faster than real time.

Since 2017, 18 EM systems have been installed on Pacific Island longline vessels. Two cameras on each vessel are connected to sensors on the boat's hydraulic and reel systems. When the reel starts spinning, the cameras start recording. The hydraulic sensor reveals information about the vessel's speed and hydraulic pressure. This data can later be used to see when fishing occurred during a given fishing trip, with results from the camera footage compared to what onboard fishery observers record when they are on EM-equipped boats.

Voluntary industry participation has been key. "The Hawaii Longline Association has been supportive of EM technology since testing began on Hawaii longline vessels in 2010," said Eric Kingma, Executive Director of the Hawaii Longline Association.

The close collaboration between scientists and captains is another project hallmark. Scientists check in with captains at the end of every trip, and the captains can have the cameras removed from their boats at any time. "It's a conversation," said Matthew Carnes, Fisheries Electronic Monitoring Associate with the Joint Institute for Marine and Atmospheric Research. "We try to involve captains in the decision-making process as much as possible and I think that is a big part of the success."

For more information about the FIS program, visit: www.fisheries.noaa.gov/national/commercial-fishing/fisheries-information-system-program.

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:

Heather Brandon
Alaska Sea Grant
17101 Point Lena Loop Rd., Room 203
Juneau, AK 99801
(907) 796-5444
heather.brandon@alaska.edu

Jim Eckman
California Sea Grant
University of California, San Diego
Scripps Institute-9500 Gilman Drive
La Jolla, CA 92093-0232
(858) 534-4440
JECKMAN@UCSD.EDU

Linda E. Duguay
University of Southern California
Sea Grant Program
University Park Campus
Los Angeles, CA 90089-0373
(213) 821-1335
duguay@usc.edu

Sylvain De Guise, Director
Connecticut Sea Grant
University of Connecticut
1080 Shennecossett Road
Groton, CT 06340-6097
(860) 405-9138
sylvain.deguise@uconn.edu

Kathryn Coyne, Director
Delaware Sea Grant
University of Delaware
Hugh R. Sharp Campus, 700 Pilottown Rd.
Lewes, DE 19958
(302) 645-4236
kcoyne@udel.edu

Sherry Larkin
Florida Sea Grant
University of Florida
Bldg 803 McCarty Drive
Box 110400
Gainesville, FL 32611-0400
(352) 392-5870
slarkin@ufl.edu

Mark Risse, Ph.D.
Georgia Sea Grant
Chicopee Complex
1180 East Broad Street
Athens, GA 30602
(706) 542-5956
mrisse@uga.edu

Darren Lerner, Ph.D.
Hawaii Sea Grant
University of Hawaii
2525 Correa Road, HIG 238
Honolulu, HI 96822
(808) 956-7031
lerner@hawaii.edu

John Peterson
University of Guam Sea Grant
303 University Drive
Mangilao, Guam 96923
japeterson@fulbrightmail.org

Brian K. Miller
Illinois-Indiana Sea Grant
University of Illinois
1101 W. Peabody Drive
Urbana, IL 61801
(217) 333-6444
millerbk@illinois.edu

Robert R. Twilley, Ph.D.
Louisiana Sea Grant Director
LA State University
237 Sea Grant Bldg
Louisiana State University
Baton Rouge, LA 70803
(225) 578-6710
rtwilley@lsu.edu

Gayle Zydlewski
Maine Sea Grant
University of Maine
5741 Libby Hall Suite 110
Orono, ME 04469
(207) 581-1422
gayle.zydlewski@maine.edu

Fredrika Moser, P.h.D.
Maryland Sea Grant
University of Maryland
5825 University Research Ct., Ste. 1350
College Park, MD 20740
(301) 405-7500
moser@mdsg.umd.edu

Chrys Chryssostomidis
MIT Sea Grant
Massachusetts Institute of Technology
Rm #NW98-160 12 Emily Street,
Cambridge, MA 02159
617-253-7131
chrys@mit.edu

Matthew Charette
Woods Hole Sea Grant
Woods Hole Oceanographic Institution
WHOI, M.S. No. 2,
Woods Hole, MA 02543
(508) 289-3205
mcharette@whoi.edu

Catherine Riseng
Michigan Sea Grant
University of Michigan
521 E. Liberty St., Suite 310
Ann Arbor, Michigan 48104-2210
(734) 936-3622
criseng@umich.edu

John A. Downing, Ph.D.
Minnesota Sea Grant
Univesity of Minnesota
31 West College Street
Duluth, MN 55811
(218) 726-8715
downing@d.umn.edu

LaDon Swann, Ph.D.
Mississippi-Alabama Sea Grant Consortium
703 East Beach Drive
Ocean Springs, MS 39564
(251) 648-5877
ladon.swann@usm.edu

SEA GRANT EXTENSION PROGRAM

Jonathan Pennock, Ph.D.
National Sea Grant Office
1315 East West Highway Rm. 11735
Silver Spring, MD 20910
(301) 734-1089
jonathan.pennock@noaa.gov

Claire Antonucci
New Jersey Sea Grant Consortium
22 Magruder Road
Fort Hancock, NJ 07732
(732) 872-1300 ext. 22
cantonucci@njseagrant.org

Shelby Walker, Ph.D.
Oregon Sea Grant
1600 SW Western Blvd.
Corvallis, OR 97331
(541) 737-6200
shelby.walker@oregonstate.edu

Dennis Nixon
Rhode Island Sea Grant
University of Rhode Island
Graduate School of Oceanography
ing
215 South Ferry Road, Box 62
Narragansett, RI 02882
(401) 874-6802
dnixon@uri.edu

William “Breck” Bowden, Ph.D.
Lake Champlain Sea Grant
The University of Vermont
303D Aiken Center
Burlington, VT 05405-0088
(802) 656-2513
breck.bowden@uvm.edu

Jim Hurley, Ph.D.
Wisconsin Sea Grant
University of Wisconsin, Madison
1975 Willow Drive
Madison, WI 53706
(608) 262-0905
hurley@aqua.wisc.edu

Erik Chapman
New Hampshire Sea Grant
116 Morse Hall/UNH, 8 College Road,
Durham, NH 03824
(603) 862-1935
erik.chapman@unh.edu

Susan White, Ph.D.
North Carolina Sea Grant
North Carolina State University
Box 8605
Raleigh, NC 27695-8605
(919) 513-2455
snwhite3@ncsu.edu

Sarah Whitney
Pennsylvania Sea Grant
Pennsylvania State University
P.O. Box 67000, 1601 Elmerton Avenue,
Harrisburg, PA 17106
(610) 304-8753
swhitney@psu.edu

M. Richard DeVoe
South Carolina Sea Grant Consortium
287 Meeting Street
Charleston, SC 29401

(843) 953-2078
Rick.DeVoe@scseagrant.org

Troy Hartley
Virginia Sea Grant
Marine Education
Virginia Institute of Marine Science
7539 Spencer Road
Gloucester Pt., VA 23062
(804) 684-7248
thartley@vaseagrant.org

National Sea Grant Library
Cynthia Murray
OCES Bldg., URI Bay Campus
15 Pier Road
Narragansett, RI 02882
(401) 874-6539
cmurray@gso.uri.edu

National Sea Grant Extension
National Sea Grant Office/NOAA
Dr. Nikola Garber
1315 East-West Highway, Room 11735
Silver Spring, MD 20910
(301) 734-1079
nikola.garber@noaa.gov

Rebecca Shuford, Ph.D.
New York Sea Grant
SUNY @ Stony Brook
125 Nassau Hall
Stony Brook, NY 11794-5001
(631) 632-6905
rebecca.shuford@stonybrook.edu

Christopher Winslow, Ph.D.
Ohio Sea Grant
Ohio State University
1314 Kinnear Road, Area 100
Columbus, OH 43212-1156
(614) 292-8949
winslow.33@osu.edu

Ruperto Chapparo Serrano
Puerto Rico Sea Grant
UPR-RUM Call Box 9000
Mayaguez, PR 00681-9000
(787) 832-3585
ruperto.chaparro@upr.edu

Pamela Plotkin, Ph.D
Texas Sea Grant
Texas A&M University
306D Oceanography & Meteorology Build-

797 Lamar Street, 4115 TAMU
College Station, TX 77843
(979) 218-3023
plotkin@tamu.edu

Russell Callender
Washington Sea Grant
University of Washington
3716 Brooklyn Avenue, N.E. - 355060
Seattle, WA 98105-6716
(206) 543-6600
wrc4@uw.edu

National Sea Grant Law Center
Stephanie Showalter Otts, J.D.
University of Mississippi School of Law
256 Kinard hall, Wing E P.O. Box 1848
University, MS 38677
(662) 915-7714
sshowalt@olemiss.edu

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.

FOR FURTHER INFORMATION:
U.S. Department of Commerce, NOAA/NMFS
International Fisheries and Seafood Inspection
1315 East-West Highway
Silver Spring, MD 20910
(301) 427-8300 FAX: (301) 713-1081
Email: nmfs.seafood.services@noaa.gov
Website:https://www.fisheries.noaa.gov/topic/seafood-commerce-certification