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 and decreases in supply such as exports and inventories are subtracted out. The remaining total is divided by a population value 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 or invalid model assumptions may each have a significant effect on the resulting calculation.

U.S. per capita consumption of fish and shellfish was 15.6 pounds (edible meat) in 2002. This total was 0.8 pounds more than the 14.8 pounds consumed in 2001. Per capita consumption of fresh and frozen products was 11.0 pounds, 0.7 pound more than 2001.

Fresh and frozen finfish accounted for 6.0 pounds while fresh and frozen shellfish consumption was 5.0 pounds per capita. The fresh and frozen finfish includes approximately 1.1 pounds of farm raised catfish.

Consumption of canned fishery products was 4.3 pounds per capita in 2002, 0.1 pound more than the 4.2 pounds in 2001. Cured fish accounted for 0.3 pound per capita, the same as in previous years. Imports of edible seafood made up 77 percent of the consumption.

PER CAPITA USE. Per capita use is based on the supply of fishery products, both edible and non-edible (industrial), on a round-weight equivalent basis without considering beginning or ending stocks, defense purchases, or exports. The per capita use of all edible and industrial fishery products in 2002 was 66.0 pounds, up 2.4 pounds compared with 2001.

WORLD CONSUMPTION. The FAO calculation for apparent consumption is based on a disappearance model. The three year average considers, on a round weight equivalent basis, a countries landings, imports, and exports. The revised 1997-99 data indicates that the United States ranks as the third largest consumer of seafood in the world.

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

U.S. ANNUAL PER CAPITA CONSUMPTION OF COMMERCIAL FISH AND SHELLFISH, 1910-2002

	Civilian resident	Per capita consumption					
Year	population July 1 (1)	Fresh and frozen (2)	Canned (3)	Cured (4)	Total		
	<u>Million</u> persons		Pounds,	, edible meat			
1910	92.2	4.5	2.8	3.9	11.2		
1920	106.5	6.3	3.2	2.3	11.8		
1930	122.9	5.8	3.4	1.0	10.2		
1940	132.1	5.7	4.6	0.7	11.0		
1950	150.8	6.3	4.9	0.6	11.8		
1960	178.1	5.7	4.0	0.6	10.3		
1970	201.9	6.9	4.5	0.4	11.8		
1980 1981 1982 1983 1984 1985 1986 1987 1988	225.6 227.8 230.0 232.1 234.1 236.2 238.4 240.6 242.8	7.9 7.8 7.9 8.4 9.0 9.8 9.8 10.7 10.0	4.3 4.6 4.3 4.7 4.9 5.0 5.4 5.2 4.9	0.3 0.3 0.3 0.3 0.3 0.3 0.3 0.3	12.5 12.7 12.5 13.4 14.2 15.1 15.5 *16.2		
1989 1990 1991 1992 1993 1994 1995 1996 1997 1998 1999	245.1 247.8 250.5 253.5 256.4 259.2 261.4 264.0 266.4 269.1 271.5	10.2 9.6 9.7 9.9 10.2 10.4 10.0 10.0 9.9 10.2 10.4	5.1 4.9 4.6 4.5 4.5 4.7 4.5 4.4 4.4	0.3 0.3 0.3 0.3 0.3 0.3 0.3 0.3	15.6 15.0 14.9 14.8 15.0 15.2 15.0 14.8 14.6 14.9		
2000 2001 2002	280.9 283.6 287.1	10.2 10.3 *11.0	4.7 4.2 4.3	0.3 0.3 0.3	15.2 14.8 15.6		

⁽¹⁾ Resident population for 1910 and 1920 and civilian resident population for 1930 to date.

⁽²⁾ Fresh and frozen fish consumption for 1910 and 1920 is estimated. Beginning in 1973, data include consumption of cultivated catfish.

⁽³⁾ Canned fish consumption for 1920 is estimated. Beginning in 1921, it is based on production reports, packer stocks, and foreign trade statistics for individual years.

⁽⁴⁾ Cured fish consumption for 1910 and 1920 is estimated.

^{*}Record years: Canned--5.8, 1936; Cured--4.0, 1909.

Year	Salmon	Sardines	Tuna	Shellfish	Other	Total	
	Pounds						
1980 1981 1982 1983 1984 1985 1986 1987 1988	0.5 0.5 0.5 0.6 0.5 0.5 0.4 0.3	0.3 0.4 0.3 0.2 0.2 0.3 0.3 0.3	3.0 3.0 2.8 3.2 3.2 3.3 3.6 3.5 3.6	0.4 0.4 0.4 0.4 0.5 0.5 0.5	0.1 0.3 0.3 0.4 0.5 0.4 0.5 0.5 0.5	4.3 4.6 4.3 4.7 4.9 5.0 5.4 5.2 4.9	
1989 1990 1991 1992 1993 1994 1995 1996 1997 1998 1999	0.3 0.4 0.5 0.4 0.4 0.5 0.5 0.4 0.3 0.3	0.3 0.2 0.2 0.2 0.2 0.2 0.2 0.2 0.2 0.2 0.2	3.9 3.7 3.6 3.5 3.3 3.4 3.2 3.1 3.4 3.5	0.4 0.3 0.4 0.3 0.3 0.3 0.3 0.3 0.3 0.3	0.2 0.4 0.2 0.1 0.3 0.3 0.3 0.4 0.2 0.3	5.1 5.1 4.9 4.6 4.5 4.7 4.5 4.4 4.4	
2000 2001 2002	0.3 0.4 0.5	0.2 0.2 0.1	3.5 2.9 3.1	0.3 0.3 0.3	0.4 0.4 0.3	4.7 4.2 4.3	

U.S. ANNUAL PER CAPITA CONSUMPTION OF CERTAIN FISHERY ITEMS, 1980-2002

	Fillets	Sticks	Shrimp,
Year	and	and	all
	steaks (1)	portions	preparation
		Pounds (2)	
4000	0.4		
1980	2.4	2.0	1.4
1981	2.4	1.8	1.5
1982	2.5	1.7	1.5
1983	2.7	1.8	1.7
1984 1985	3.0	1.8	1.9
1986	3.2 3.4	1.8 1.8	2.0 2.2
1987	3.4	1.6 1.7	2.2
1988	3.0	1.7	2.4
1989	3.1	1.5	2.3
1303		1.5	
1990	3.1	1.5	2.2
1991	3.0	1.2	2.4
1992	2.9	0.9	2.5
1993	2.9	1.0	2.5
1994	3.1	0.9	2.6
1995	2.9	1.2	2.5
1996	3.0	1.0	2.5
1997	3.0	1.0	2.7
1998	3.2	0.9	2.8
1999	3.2	1.0	3.0
2000	3.6	0.9	3.2
2001	3.7	0.8	3.4
2002	* 4.1	0.8	* 3.7

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

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

^{*}Record

ANNUAL PER CAPITA CONSUMPTION OF FISH AND SHELLFISH FOR HUMAN FOOD,
BY REGION AND COUNTRY 1997-99 AVERAGE (REVISED)

Region and Estimated live weight equivalent Country Count		EGION AND	COUNTRY,	1997-99 AVERAGE (REVI	SED)	
Country Kilograms Pounds North America: Cameda Cameda Series Europe - Continued: Europe - Continued: Greenland 84.3 185.8 Belgium and Luxembourg 20.0 44.1 St. Pierre and Miquelon 64.2 141.5 Bulgaria 4.2 93.5 Carlibbean: 45.7 46.5 Ceckhe Republic 9.7 21.4 Anguilla 23.4 51.6 Scroatia 17.4 38.4 Anguilla 33.9 86.6 Scroatia 17.4 38.4 Arubanas 43.7 96.3 France 29.9 64.6 Bermuda 36.4 80.2 Geresce 29.9 64.6 Cayman Islands 5.0 11.0 Gereace 24.2 53.4 Cuba 13.1 28.9 Hungary 3.8 8.4 Cuba 13.1 28.9 Hungary 3.8 8.4 Cuba 13.1 28.9 14.1 4.1 4.1 <td>Region</td> <td>Estimated</td> <td>live weight</td> <td>Region</td> <td>Estimated</td> <td>U</td>	Region	Estimated	live weight	Region	Estimated	U
North America:		Kilograms				
Canada Sa.		raiogramo	1 durius		raiogramo	1 Garias
St. Pierre and Miquelon 64.2 141.5 St. Pierre and Miquelon 64.2 143.5 St. Pierre and Miquelon 64.2 14		23.0	50.7	=	20.0	44.1
St. Pierre and Miquelon 64.2 141.5 Bulgaria 4.2 9.3 Caribbean: 21.1 46.5 Croatia 4.3 9.5 Anguilla 23.4 51.6 Feroe Island 17.4 38.4 Antigua 39.3 86.6 Firland 31.1 68.6 190.7 Aruba 42.7 96.3 Firland 31.1 68.6 190.7 Bahmates 24.4 96.3 Firland 31.1 68.6 190.7 Bermuda 36.4 80.0 Georgian 12.2 64.6 60.0 Georgian 12.9 64.2 64.2 60.0 Georgian 12.9 64.2 64.2 67.2 60.0 Georgian 12.9 64.2 61.7 60.0 60.0 60.0 60.0 60.0 60.0 60.0 60.0 60.0 60.0 60.0 60.0 60.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.						
Caribbean: Anguilla 23.4 51.6 Denmark 22.5 49.6 Estonia 17.4 38.4 Anguilla 23.4 51.6 Sahamas 23.4 51.6 Bahamas 23.4 51.6 Georgia 1.2 2.6 Georgia						9.3
Denmark 22.5 49.6	United States	21.1	46.5			
Anguilla 23.4 51.6 Face Island 86.5 190.7 Antigue 39.3 86.6 Aruba 43.7 96.3 France 29.3 64.6 Barbados 30.4 67.0 Germany 12.9 28.4 Bermuda 36.4 80.2 Gerece 24.2 53.4 Earmoda 36.4 80.2 Greece 24.2 53.4 Earmoda 36.4 80.2 Earmoda 36.5	l					
Anguilla	Caribbean:					
Antigue	Anguilla	23.4	51.6			
Bahamas 23.4 51.6 Georgia 1.2 2.6 Barbados 30.4 87.0 Greece 24.2 53.4 Bermuda 36.4 80.2 Greece 24.2 53.4 British Virgin Islands 6.2 13.7 Iceland 90.6 199.7 Cuba 13.1 28.9 Italy 21.9 38.8 8.4 Dominica 35.8 78.9 Italy 21.9 48.3 Dominica Republic 8.4 18.5 Kazakhstan 1.7 3.7 Grenada 23.5 51.8 Kyrgyzstan 0.7 1.5 Guadeloupe 22.8 50.3 Lithuania 23.9 52.7 Haiti 2.9 6.4 Lithuania 23.9 52.7 Jamaica 19.8 43.7 Macdedonia 4.5 9.9 Martinique 32.5 71.6 Multatia 30.1 66.4 10.2 Jamaica 19.8 43.7 Ma						
Barbados 30.4 67.0 Germány 12.9 28.4 Bermuda 36.4 80.2 Greece 24.2 53.4 British Virgin Islands 6.2 13.7 Cayman Islands 6.2 13.7 Cuba 13.1 28.9 Dominica 35.8 78.9 Dominica 35.8 78.9 Dominica 35.8 78.9 Dominica 22.8 50.3 Hungary 3.8 8.4 Bermuda 3.9 30.6 Dominica 35.8 78.9 Dominica 35.8 78.9 Dominica 25.5 51.8 Grenada 23.5 51.8 Grenada 23.5 51.8 Cayrage State 21.4 Description 22.8 50.3 Barting State 23.9 Dominican Republic 22.8 50.3 Haiti 2.9 6.4 Hubania 23.9 52.7 Martinique 32.5 71.6 Matherland Antilles 17.4 38.4 Norway 32.2 7.1 Malta 30.1 30.6 Moldova 3.2 7.1 Moldova 7.1 Moldova 7.2 7	Aruba					
Bermuda 36.4 80.2 Greece 24.2 53.4 British Virgin Islands 5.0 11.0 Cuyaman Islands 6.2 13.7 Cuba 13.1 28.9 Dominica 35.8 78.9 Dominican Republic 8.4 81.5 Cuadeloupe 22.8 50.3 Haiti 2.9 6.4 Hai						
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Cuba 13.1 28.9 Ireland 13.9 30.6 Dominican 35.8 78.9 Italy 21.9 48.3 Dominican Republic 8.4 18.5 Kazakhstan 1.7 3.7 Grenada 23.5 51.8 Kazakhstan 1.7 3.7 Guadeloupe 22.8 50.3 Lativia 12.6 27.8 Haiti 2.9 6.4 Lithuania 23.9 52.7 Jamaica 19.8 43.7 Macedonia 4.5 9.9 Martinique 32.5 71.6 Malta 30.1 66.4 Netherland Antilles 17.4 38.4 Moldova 3.2 7.1 Puerto Rico 0.7 1.5 Netherlands 18.6 41.0 Saint Lucia 28.0 61.7 Norway 51.1 112.7 Saint Vincent 14.2 31.3 Portugal 60.2 132.7 Timide & Caicos 29.9 65.9 Russian Federation						
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Guadeloupe						
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Saint Vincent 14.2 31.3 Portugal 60.2 132.7 Trinidad-Tobago 12.0 26.5 Romania 2.3 5.1 Turks & Caicos 29.9 65.9 Russian Federation 21.6 47.6 U.S. Virgin Islands 6.8 15.0 Slovakia 7.5 16.5 Latin America: 8 15.0 Slovakia 7.5 16.5 Argentina 9.6 21.2 Switzerland 14.5 32.0 Belize 12.4 27.3 Switzerland 14.5 32.0 Bolivia 1.6 3.5 Turkmenistan 0.1 0.2 Chille 15.8 34.8 United Kingdom 20.0 44.1 Colombia 4.4 9.7 Uzbeki						
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U.S. Virgin Islands		12.0				5.1
Latin America: Slovenia Spain						
Latin America: Spain Sweden Swed	U.S. Virgin Islands	6.8	15.0			
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Brazil						
Chile 15.8 34.8 United Kingdom 20.0 44.1 Colombia 4.4 9.7 O.5 1.1 Costa Rica 5.4 11.9 Yugoslavia 2.7 6.0 Ecuador 6.3 13.9 Yugoslavia 2.7 6.0 El Salvador 2.5 5.5 French Guiana 50.2 110.7 Near East: Guatemala 1.4 3.1 Afghanistan 0.1 0.2 Guyana 59.6 131.4 Bahrain 13.8 30.4 Honduras 2.5 5.5 Cyprus 23.3 51.4 Hoxico 9.6 21.2 Egypt 11.0 24.3 Mexico 9.6 21.2 Egypt 11.0 24.3 Paragua 3.0 6.6 Iran 4.4 9.7 Peru 20.3 44.8 Jordan 4.2 9.3 Suriname 22.8 50.3 Kuwait 12.1 26.7 <tr< td=""><td></td><td></td><td></td><td></td><td></td><td></td></tr<>						
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Europe: Qatar Saudi Arabia 10.9 7.2 15.9 Albania 2.0 4.4 Sudan 1.7 3.7 Armenia 0.4 0.9 Syria 1.5 3.3 Austria 11.3 24.9 Turkey 7.2 15.9 Azerbaijan 0.7 1.5 United Arab Emirates 24.0 24.0	Venezuela	18.3	40.3			
Albania 2.0 4.4 Sudan 1.7 3.7 Armenia 0.4 0.9 Syria 1.5 3.3 Austria 11.3 24.9 Turkey 7.2 15.9 Azerbaijan 0.7 1.5 United Arab Emirates 24.5 54.0	E					
Albania 2.0 4.4 Sudan 1.7 3.7 Armenia 0.4 0.9 Syria 1.5 3.3 Austria 11.3 24.9 Turkey 7.2 15.9 Azerbaijan 0.7 1.5 United Arab Emirates 24.5 54.0	Europe.					
Armenia 0.4 0.9 Syria 1.5 3.3 Austria 11.3 24.9 Turkey 7.2 15.9 Azerbaijan 0.7 1.5 United Arab Emirates 24.5 54.0	Albania	2.0	4.4			
Azerbaijan 0.7 1.5 United Arab Emirates 24.5 54.0	Armenia	0.4	0.9	Syria	1.5	3.3
0.2 10.1 Terrieri Republic 0.6 15.0	1					
	Dolaius	0.2	10.1	I emen Kepublic	0.8	13.0

See note at end of table.

(Continued on next page)

ANNUAL PER CAPITA CONSUMPTION OF FISH AND SHELLFISH FOR HUMAN FOOD, BY REGION AND COUNTRY, 1997-99 AVERAGE (REVISED)

BY REGION AND COUNTRY, 1997-99 AVERAGE (REVISED)						
Region	Estimated	live weight	Region		live weight	
and		alent	and	equiv		
Country Far East:	Kilograms	Pounds	Country Africa - Continued:	Kilograms	Pounds	
rai East.			Arrica - Continued.			
Bangladesh	10.2	22.5	Malawi	4.5	9.9	
Bhutan	0.2	0.4	Mali	8.9	19.6	
Brunei	22.7	50.0	Mauritania	10.5	23.1	
Burma	15.8	34.8	Mauritius	23.1	50.9	
Cambodia	11.9	26.2	Morocco	7.7	17.0	
China	24.5	54.0	Mozambique	2.6	5.7	
China - Hong Kong	54.6	120.4	Namibia	11.6	25.6	
China - Macao	33.9	74.7	Niger	0.9	2.0	
China - Taipei	35.0	77.2	Nigeria	8.8	19.4	
India	4.7	10.4	Reunion	12.2	26.9	
Indonesia	19.0 64.1	41.9 141.3	Rwanda Sao Tome	1.0 18.5	2.2 40.8	
Japan Laos	9.9	21.8	Senegal	29.1	64.2	
Malaysia	57.7	127.2	Seychelles	62.7	138.2	
Maldives	203.3	448.2	Sierra Leone	13.5	29.8	
Mongolia	0.0	0.0	Somalia	2.4	5.3	
Nepal	1.1	2.4	South Africa	7.5	16.5	
North Korea	9.4	20.7	Saint Helena	63.4	139.8	
Pakistan	2.5	5.5	Swaziland	10.2	22.5	
Philippines	29.5	65.0	Tanzania	8.8	19.4	
Singapore	26.7	58.9	Togo	13.3	29.3	
South Korea	47.8	105.4	Tunisia	9.4	20.7	
Sri Lanka	20.3	44.8	Uganda	8.9	19.6	
Thailand Vietnam	28.6 17.9	63.1 39.5	Zambia Zimbabwe	7.3 2.5	16.1 5.5	
Vietriaiii	17.9	39.5	Zimbabwe	2.0	5.5	
Africa:			Oceania:			
Algeria	3.5	7.7	American Samoa	1.8	4.0	
Angola	10.9	24.0	Australia	20.9	46.1	
Benin	8.7	19.2	Cook Island	51.1	112.7	
Botswana	4.2	9.3	Fiji	32.3	71.2	
Burkina	1.6	3.5	French Polynesia	46.9	103.4	
Burundi	2.4	5.3	Guam	2.9	6.4	
Cameroon Cape Verde	13.1 20.0	28.9 44.1	Kiribati Marshall Islands	75.1 6.6	165.6 14.6	
Cape verde Central African Rep	4.2	9.3	Micronesia	39.0	86.0	
Chad	6.9	15.2	Nauru	34.3	75.6	
Comoros	19.2	42.3	New Caledonia	23.5	51.8	
Congo (Brazzaville)	21.0	46.3	New Zealand	30.0	66.1	
Congo (Kinshasa)	6.3	13.9	Niue	100.0	220.5	
Djibouti	2.2	4.9	Northern Mariana Islands	3.4	7.5	
Equatorial Guinea	20.0	44.1	Palau	91.4	201.5	
Eritrea	0.9	2.0	Papua New Guinea	14.9	32.8	
Ethiopia	0.2	0.4	Solomon Islands	46.5	102.5	
Gabon Gambia	47.2	104.1 52.0	Tokelau	200.0	440.9	
Gambia Ghana	23.6 31.7	52.0 69.9	Tonga Tuvalu	40.7 32.8	89.7 72.3	
Guinea	11.1	24.5	Vanuatu	31.6	69.7	
Guinea-Bissau	4.2	9.3	Wallis and Futuna Islands	14.0	30.9	
Ivory Coast	14.0	30.9	Western Samoa	50.8	112.0	
Kenya	5.4	11.9				
Liberia	5.9	13.0		4 = 6	0.4.5	
Madagascar	7.5	16.5	World	15.8	34.8	

Note:--Data for most countries are tentative. Aquatic plants are included where applicable. Source:--Food and Agriculture Organization of the United Nations (FAO)

Per capita use of commercial fish and shellfish is based on the supply of fishery products, both edible and nonedible (industrial), on a round weight equivalent basis, without considering the beginning or ending stocks, defense purchases, or exports.

Per capita use figures are not comparable with per capita consumption data. Per capita consumption figures represent edible (for human use) meat weight consumption rather than round weight consumption. In addition, per capita consumption includes allowances for beginning and ending stocks and exports, whereas the use does not include such allowances.

Per capita use is derived by using total population including U.S. Armed Forces overseas. The per capita consumption is derived by using civilian resident population.

U.S ANNUAL PER CAPITA USE OF COMMERCIAL FISH AND SHELLFISH, 1960-2002 (1)

	Total population including armed	U.S.	Per capita utilization			
Year	forces overseas July 1	supply	Commercial landings	Imports	Total	
	<u>Million</u> persons	<u>Million</u> pounds		Pounds		
1960	180.7	8,223	27.3	18.2	45.5	
1961	183.7	9,570	28.2	23.9	52.1	
1962	186.5	10,408	28.7	27.1	55.8	
1963	189.2	11,434	25.6	34.8	60.4	
1964	191.9	12,031	23.7	39.0	62.7	
1965	194.3	10,535	24.6	29.6	54.2	
1966	196.6	12,469	22.2	41.2	63.4	
1967	198.7	13,991	20.4	50.0	70.4	
1968	200.7	17,381	20.7	65.9	86.6	
1969	202.7	11,847	21.4	37.0	58.4	
1970	205.1	11,474	24.0	31.9	55.9	
1971	207.7	11,804	24.1	32.7	56.8	
1972	209.9	13,849	22.9	43.1	66.0	
1973	211.9	10,378	22.9	26.1	49.0	
1974	213.9	9,875	23.2	23.0	46.2	
1975	216.0	10,164	22.6	24.5	47.1	
1976	218.0	11,593	24.7	28.5	53.2	
1977	220.2	10,652	23.9	24.4	48.3	
1978	222.6	11,509	27.1	24.6	51.7	
1979	225.1	11,831	27.9	24.7	52.6	
1980	227.7	11,357	28.5	21.4	49.9	
1981	230.0	11,353	26.0	23.4	49.4	
1982	232.2	12,011	27.4	24.3	51.7	
1983	234.3	12,352	27.5	25.2	52.7	
1984	236.3	12,552	27.3	25.8	53.1	
1985	238.5	15,150	26.2	37.3	63.5	
1986	240.7	14,368	25.1	34.6	59.7	
1987	242.8	15,744	28.4	36.4	64.8	
1988	245.0	14,628	29.3	30.4	59.7	
1989	247.3	15,485	34.2	28.4	62.6	
1990 1991 1992 1993 1994 1995 1996 1997 1998 1999	249.9 252.7 255.5 258.2 260.7 263.0 265.3 268.2 270.6 272.9 282.3	16,349 16,363 16,106 20,334 19,309 16,484 16,474 17,132 16,897 17,378	37.6 37.5 37.7 40.6 40.1 37.2 36.1 36.7 34.0 34.2	27.8 27.3 25.3 38.2 34.0 25.5 26.0 27.2 28.5 29.5	65.4 64.8 63.0 78.8 74.1 62.7 62.1 63.9 62.5 63.7	
2001	285.0	18,118	33.3	30.3	63.6	
2002	288.4	19,028	32.6	33.4	66.0	

⁽¹⁾ Data include U.S. commercial landings and imports of both edible and nonedible (industrial) fishery products on a round weight basis. "Total supply" is not adjusted for beginning and ending stocks, defense purchases, or exports.