

Processed Fishery Products

FRESH AND FROZEN

FISH FILLETS AND STEAKS. In 2011 the U.S. production of raw (uncooked) fish fillets and steaks, including blocks, was 759.6 million pounds—175 million pounds more than the 584.6 million pounds in 2010 due primarily to increases in cod, Alaska Pollock and hake with smaller increases in tilapia. All fillets and steaks were valued at \$1.7 billion. With an increase of 171 million pounds from the 2010 volume, Alaska pollock fillets and blocks led all species with 461 million pounds—61 percent of the total. Production of groundfish fillets and steaks (see Glossary Section-Groundfish) was 604.9 million pounds, an increase of 208.8 million pounds from 2010.

FISH STICKS AND PORTIONS. The combined production of fish sticks and portions was 252.1 million pounds valued at \$450.5 million compared with the 2010 production of 216.3 million pounds valued at \$390.5 million. The total production of fish sticks amounted to 80.0 million pounds valued at \$104.8 million. The total production of fish portions amounted to 172.1 million pounds valued at \$345.7 million.

BREADED SHRIMP. The production of breaded shrimp in 2011 was 92.5 million pounds valued at \$241 million. This represents a decrease from the 2010 production of 116.9 million pounds valued at \$562.9 million.

CANNED PRODUCTS

CANNED FISHERY PRODUCTS. The pack of canned fishery products in the 50 states, American Samoa, and Puerto Rico was 945.3 million pounds valued at \$1.5 billion—a decrease in volume of 10.4 million pounds and an increase in value of 59.7 million dollars compared to 2010. The 2011 pack included 640.6 million pounds with a value of \$1.2 billion for human consumption and 304.7 million pounds valued at \$223.2 million for bait and animal food.

CANNED SALMON. The 2011 U.S. pack of salmon was 147.7 million pounds valued at \$377.4 million, increases from the 2010 levels of 146.4 million pounds valued at \$355.9 million.

CANNED TUNA. The U.S. pack of tuna was 384.9 million pounds valued at \$768.7 million—a decrease of 10.5 million pounds in quantity and an increase of \$44.9 million in value compared with the 2010

pack. The pack of albacore tuna was 163.1 million pounds comprising 43 percent of the tuna pack in 2011. Lightmeat tuna (bigeye, bluefin, skipjack, and yellowfin) comprised the remainder with a pack of 221.8 million pounds.

CANNED CLAMS. The 2011 U.S. pack of clams (whole, minced, chowder, juice, and specialties) was 105.3 million pounds valued at \$98.8 million. The pack of whole and minced clams was 24.9 million pounds. Clam chowder and clam juice was 80.5 million pounds and made up the majority of the pack.

OTHER CANNED ITEMS. The pack of pet food and bait was 304.7 million pounds valued at \$223.2 million—an increase in volume and value from the 2010 levels of 299.3 million pounds worth \$217.6 million.

INDUSTRIAL FISHERY PRODUCTS

INDUSTRIAL FISHERY PRODUCTS. The value of the domestic production of industrial fishery products was \$435.1 million—an increase of \$152.1 million compared with the 2010 value and above recent historical levels.

FISH MEAL. The domestic production of fish and shellfish meal was 621 million pounds valued at \$238.7 million—increases of 133.1 million pounds and \$49.8 million compared with 2010. Most of this production was fish meal (620.7 million pounds) while shellfish meal production was 86 thousand pounds—an increase of 17.0 thousand pounds from the 2010 level.

FISH OILS. The domestic production of fish oils was 143.1 million pounds (approximately 18.5 million gallons) valued at \$62.8 million—increases of 6.8 million pounds and \$32.7 million in value compared with 2010 production.

OTHER INDUSTRIAL PRODUCTS. Oyster shell products, together with 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 \$133.6 million.

Processed Fishery Products

VALUE OF PROCESSED FISHERY PRODUCTS, 2010 AND 2011
(Processed from domestic catch and imported products)

Item	2010 (1)		2011	
	Thousand dollars	Percent of total	Thousand dollars	Percent of total
Edible:				
Fresh and frozen	7,355,278	80	7,556,098	79
Canned	1,196,346	13	1,250,500	13
Cured	114,694	1	107,239	1
Total edible	8,666,318	94	8,913,837	93
Industrial:				
Bait and animal food	238,351	3	243,096	3
Meal and oil	218,937	2	301,443	3
Other	56,423	1	128,271	1
Total industrial	513,711	6	672,810	7
Grand total	9,180,029	100	9,586,647	100

(1) Revised. Value is based on selling price at the plant.

U.S. PRODUCTION OF FISH STICKS, FISH PORTIONS, AND BREADED SHRIMP, 2002-2011

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
2002	47,587	21,585	51,060	186,748	84,708	237,426	146,724	66,554	463,781
2003	31,484	14,281	34,743	162,103	73,529	226,915	152,032	68,961	465,347
2004	59,697	27,078	71,419	138,125	62,653	208,579	110,462	50,105	306,456
2005	61,751	28,010	75,654	180,840	82,028	323,353	120,097	54,476	277,613
2006	59,353	26,922	61,942	178,742	81,077	302,984	139,571	63,309	347,152
2007	73,926	33,533	104,974	194,005	88,000	300,137	86,131	39,069	200,147
2008	82,461	37,404	120,615	204,491	92,757	310,213	74,172	33,644	159,416
2009	79,586	36,100	125,258	140,584	63,768	291,569	97,124	44,055	251,594
2010	74,451	33,771	113,069	141,849	64,342	277,466	116,935	53,041	562,928
2011	80,034	36,303	104,829	172,051	78,042	345,686	92,460	41,940	240,976

Processed Fishery Products

PRODUCTION OF FRESH AND FROZEN FILLETS AND STEAKS, BY SPECIES, 2010 AND 2011

Species	2010 (1)			2011		
	Thousand pounds	Metric tons	Thousand dollars	Thousand pounds	Metric tons	Thousand dollars
Fillets:						
Amberjack	46	21	226	31	14	153
Anglerfish	1,138	516	4,538	297	135	1,858
Bluefish	91	41	301	90	41	297
Cobia	17	8	172	19	9	193
Cod	48,804	22,137	131,011	65,966	29,922	172,543
Cusk	37	17	138	22	10	86
Dolphinfish	10,325	4,683	17,520	5,877	2,666	36,036
Flounders	31,569	14,320	53,240	18,243	8,275	54,920
Groupers	953	432	9,177	952	432	9,515
Haddock	23,164	10,507	88,637	26,042	11,813	101,125
Hake	30,887	14,010	44,587	47,916	21,735	57,571
Halibut	6,204	2,814	45,507	7,281	3,303	45,185
Lingcod	68	31	290	111	50	522
Ocean perch:						
Atlantic	871	395	2,552	1,203	546	4,541
Pacific	344	156	727	167	76	349
Opah	168	76	1,631	183	83	1,637
Patagonian Toothfish	(2)	(2)	(2)	250	113	3,192
Pollock:						
Atlantic	2,010	912	7,095	2,342	1,062	7,198
Alaska	289,961	131,525	368,067	461,249	209,221	567,985
Rockfishes	2,232	1,012	5,934	2,280	1,034	6,128
Sablefish	279	127	1,547	687	312	3,742
Salmon	96,456	43,752	489,904	77,234	35,033	405,337
Sea bass	365	166	4,085	222	101	2,127
Sea trout	99	45	569	105	48	659
Shark	61	28	218	48	22	162
Snapper	413	187	3,906	537	244	4,928
Striped bass	73	33	720	137	62	1,231
Swordfish	2,083	945	16,632	2,203	999	17,707
Tilapia	8,433	3,825	30,196	10,367	4,702	30,068
Tuna	6,242	2,831	51,884	7,856	3,563	69,150
Wahoo	156	71	1,234	461	209	2,918
Wolffish	34	15	8,768	(2)	(2)	(2)
Yellowtail Jack	26	12	130	148	67	969
Unclassified	10,650	4,831	51,391	10,953	4,968	58,859
Total	574,257	260,481	1,442,532	751,477	340,868	1,668,889
Steaks:						
Halibut	2,619	1,188	19,023	1,146	520	12,795
Salmon	155	70	860	23	10	151
Swordfish	1,223	555	5,683	1,134	514	5,939
Tuna	1,994	904	8,962	1,858	843	9,458
Unclassified	4,315	1,957	8,543	3,962	1,797	6,403
Total	10,306	4,675	43,071	8,123	3,685	34,746
Grand total	584,563	265,156	1,485,603	759,600	344,552	1,703,635

(1) Revised

(2) Included in unclassified.

Note:--Some fillet products were further processed into frozen blocks.

Processed Fishery Products

PRODUCTION OF CANNED FISHERY PRODUCTS, BY SPECIES, 2010 AND 2011

Species	Pounds per case	2010 (1)			2011		
		Standard Cases	Thousand pounds	Thousand dollars	Standard Cases	Thousand pounds	Thousand dollars
For human consumption:							
Fish:							
Herring	23.4	(5)	(5)	(5)	(5)	(5)	(5)
Salmon:							
Chinook	44.25	57,130	2,528	16,196	158	7	87
Chum	44.25	36,339	1,608	2,231	34,192	1,513	2,406
Pink	44.25	2,487,751	110,083	222,664	2,368,588	104,810	201,230
Coho	44.25	8,136	360	730	9,288	411	879
Sockeye	44.25	719,797	31,851	114,080	925,605	40,958	172,782
Total salmon		3,309,153	146,430	355,901	3,337,831	147,699	377,384
Specialties	48	10,646	511	2,457	7,604	365	1,351
Sardines, Maine	23.4	(5)	(5)	(5)	(5)	(5)	(5)
Tuna: (2)							
Albacore:							
Solid	18	8,487,444	152,774	354,950	7,658,667	137,856	358,074
Chunk	18	1,466,278	26,393	56,767	1,403,000	25,254	56,000
Total albacore		9,953,722	179,167	411,717	9,061,667	163,110	414,074
Lightmeat:							
Solid	18	385,944	6,947	18,063	489,500	8,811	24,262
Chunk	18	11,629,722	209,335	294,022	11,832,389	212,983	330,373
Total lightmeat		12,015,667	216,282	312,085	12,321,889	221,794	354,635
Total tuna		21,969,389	395,449	723,802	21,383,556	384,904	768,709
Specialties	48	63	3	28	42	2	25
Other	48	40,375	1,938	4,180	2,208	106	163
Total fish	--	25,329,625	544,331	1,086,368	24,731,240	533,076	1,147,632
Shellfish:							
Clam and clam products: (3)							
Whole and minced	15	1,650,533	24,758	41,303	1,657,067	24,856	45,203
Chowder and juice	30	2,829,100	84,873	56,336	2,682,267	80,468	53,599
Specialties	48	(5)	(5)	(5)	(5)	(5)	(5)
Total clams	--	4,479,633	109,631	97,639	4,339,333	105,324	98,802
Crab meat and specialties							
Oyster, specialties	48	(5)	(5)	(5)	(5)	(5)	(5)
Shrimp, natural (4)	6.75	(5)	(5)	(5)	(5)	(5)	(5)
Other	48	34,208	1,642	3,872	33,708	1,618	3,420
Total shellfish	--	4,555,688	112,089	109,978	4,404,426	107,554	102,867
Total for human consumption	--	29,885,313	656,420	1,196,346	29,135,667	640,630	1,250,499
For bait and animal food	48	6,235,417	299,300	217,583	6,347,833	304,696	223,171
Grand total	--	36,120,729	955,720	1,413,929	35,483,500	945,326	1,473,670

(1) Revised.

(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.

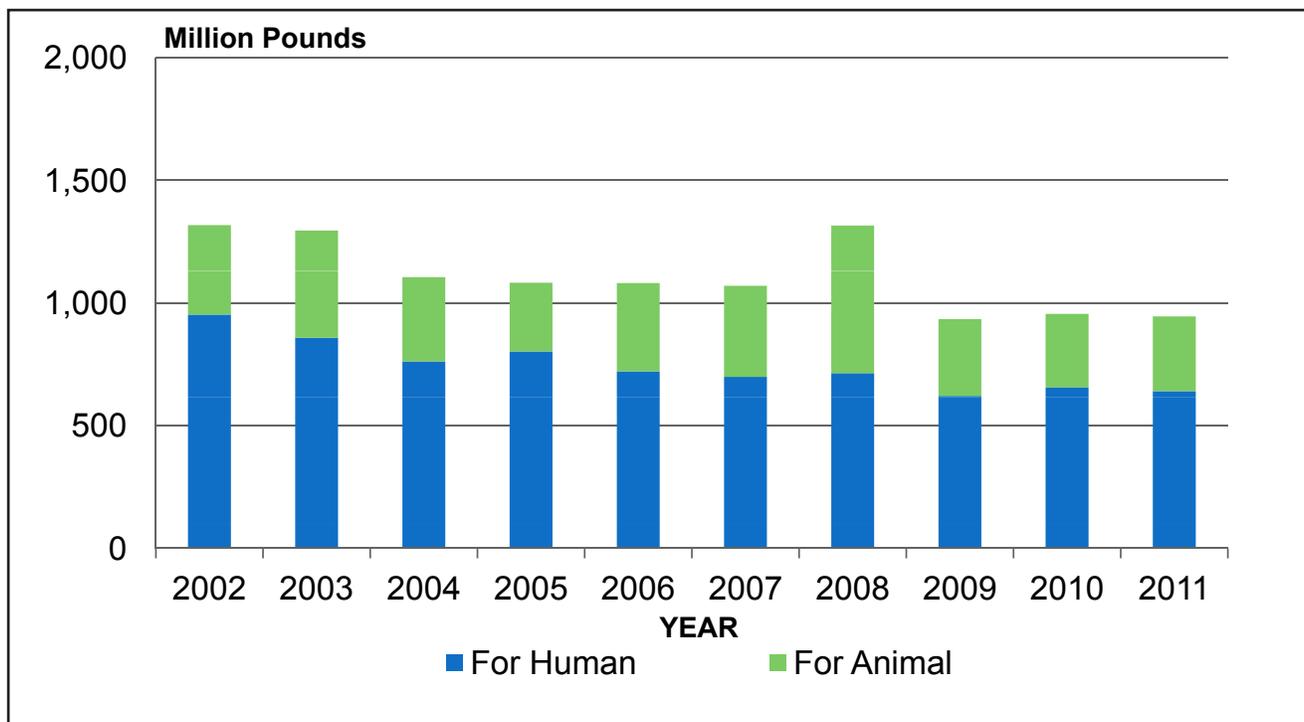
(5) Confidential included with 'Other.'

Processed Fishery Products

PRODUCTION OF CANNED FISHERY PRODUCTS, 2002-2011

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
2002	952,624	432,107	1,150,224	364,546	165,357	139,618	1,317,170	597,464	1,289,842
2003	858,065	389,216	1,075,916	437,209	198,317	162,691	1,295,274	587,532	1,238,607
2004	761,562	345,442	966,715	343,895	155,990	133,038	1,105,457	501,432	1,099,753
2005	802,229	363,889	1,081,457	280,268	127,129	129,215	1,082,497	491,017	1,210,672
2006	721,102	327,090	1,100,794	360,241	163,404	229,109	1,081,343	490,494	1,329,903
2007	698,831	316,988	1,090,070	371,032	168,299	233,614	1,069,863	485,287	1,323,684
2008	713,946	323,844	1,191,214	601,678	272,919	231,273	1,315,624	596,763	1,422,487
2009	621,256	281,800	1,190,067	312,887	141,925	217,699	934,143	423,724	1,407,766
2010	656,420	297,750	1,196,346	299,300	135,762	217,583	955,720	433,512	1,413,929
2011	640,630	290,588	1,250,499	304,696	138,209	223,171	945,326	428,797	1,473,670

Production of Canned Fishery Products, 2002-2011



Processed Fishery Products

PRODUCTION OF MEAL AND OIL, 2010 AND 2011

Product	2010			2011		
	Thousand pounds	Metric tons	Thousand dollars	Thousand pounds	Metric tons	Thousand dollars
Dried scrap and meal:						
Fish	487,623	221,184	188,856	620,724	281,559	238,660
Shellfish	69	31	3	86	39	3
Total, scrap and meal	487,692	221,216	188,859	620,810	281,598	238,663
Body oil, total	136,362	61,853	30,078	143,171	64,942	62,780

Note:-- To convert pounds of oil to gallons divide by 7.75

The above data includes products in American Samoa and Puerto Rico

PRODUCTION OF INDUSTRIAL PRODUCTS, 2002-2011

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-----		
2002	637,930	289,363	210,867	95,649	181,129	51,886	233,015
2003	602,833	273,443	195,699	88,768	168,446	53,514	221,960
2004	571,012	259,009	179,400	81,375	187,801	14,642	202,443
2005	565,169	256,359	157,680	71,523	154,335	52,496	206,831
2006	582,900	264,402	142,747	64,750	185,712	61,000	246,712
2007	563,221	255,475	152,205	69,040	277,874	62,025	339,899
2008	492,828	223,545	190,023	86,194	245,240	64,631	309,871
2009	472,805	214,463	168,157	76,276	227,438	61,657	289,095
2010	487,692	221,216	136,362	61,853	218,937	64,040	282,977
2011	620,810	281,598	143,171	64,942	301,443	133,640	435,083

Note:-- Does not included the value of imported items that may be further processed.