

Processed Fishery Products

FRESH AND FROZEN

FISH FILLETS AND STEAKS. In 2010 the U.S. production of raw (uncooked) fish fillets and steaks, including blocks, was 578.6 million pounds—67.2 million pounds more than the 511.4 million pounds in 2009 due primarily to large increases in cod, flounders, Alaska pollock and salmon with smaller increases in dolphinfish and tilapia. All fillets and steaks were valued at \$1.4 billion. With an increase of 13.0 million pounds from the 2009 volume, Alaska pollock fillets and blocks led all species with 290 million pounds—51 percent of the total. Production of groundfish fillets and steaks (see Glossary Section-Groundfish) was 395.8 million pounds an increase of 28.3 million pounds from 2009.

FISH STICKS AND PORTIONS. The combined production of fish sticks and portions was 260.3 million pounds valued at \$437.6 million compared with the 2009 production of 220.1 million pounds valued at \$416.8 million. The total production of fish sticks amounted to 82.9 million pounds valued at \$113.8 million. The total production of fish portions amounted to 177.4 million pounds valued at \$323.8 million.

BREADED SHRIMP. The production of breaded shrimp in 2010 was 123.6 million pounds valued at \$583.7 million. This represents an increase from the 2009 production of 97.1 million pounds valued at \$251.6 million.

CANNED PRODUCTS

CANNED FISHERY PRODUCTS. The pack of canned fishery products in the 50 states, American Samoa, and Puerto Rico was 954.1 million pounds valued at \$1.4 billion—an increase in volume of 20 million pounds and an increase in value of 4.0 million dollars compared to 2009. The 2010 pack included 656.0 million pounds with a value of \$1.2 billion for human consumption and 298.1 million pounds valued at \$215.8 million for bait and animal food.

CANNED SALMON. The 2010 U.S. pack of salmon was 146.4 million pounds valued at \$355.9 million,

increases from the 2009 levels of 141.9 million pounds valued at \$322.3 million.

CANNED TUNA. The U.S. pack of tuna was 395.4 million pounds valued at \$723.8 million—an increase of 26.2 million pounds in quantity and a decrease of \$31.8 million in value compared with the 2009 pack. The pack of albacore tuna was 179.2 million pounds comprising 45 percent of the tuna pack in 2010. Lightmeat tuna (bigeye, bluefin, skipjack, and yellowfin) comprised the remainder with a pack of 216.3 million pounds.

CANNED CLAMS. The 2010 U.S. pack of clams (whole, minced, chowder, juice, and specialties) was 109.3 million pounds valued at \$97.2 million. The pack of whole and minced clams was 24.6 million pounds. Clam chowder and clam juice was 84.6 million pounds and made up the majority of the pack.

OTHER CANNED ITEMS. The pack of pet food and bait was 298.1 million pounds valued at \$215.8 million—a decrease in volume and value from the 2009 levels of 312.9 million pounds worth \$217.7 million.

INDUSTRIAL FISHERY PRODUCTS

INDUSTRIAL FISHERY PRODUCTS. The value of the domestic production of industrial fishery products was \$281.6 million—an decrease of \$7.5 million compared with the 2009 value and below recent historical levels.

FISH MEAL. The domestic production of fish and shellfish meal was 485.5 million pounds valued at \$188.6 million— an increase of 12.6 million pounds and \$1.5 million compared with 2009. Most of this production was fish meal (485.4 million pounds) while shellfish meal production was 69.0 thousand pounds—a decrease of 65.0 thousand pounds from the 2009 level.

FISH OILS. The domestic production of fish oils was 136.4 million pounds (approximately 17.6 million gallons) valued at \$30.1 million—decreases of 31.8 million pounds and \$10.3 million in value compared with 2009 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 \$63.0 million.

Processed Fishery Products

VALUE OF PROCESSED FISHERY PRODUCTS, 2009 AND 2010 (Processed from domestic catch and imported products)

Item	2009 (1)		2010	
	<u>Thousand dollars</u>	<u>Percent of total</u>	<u>Thousand dollars</u>	<u>Percent of total</u>
Edible:				
Fresh and frozen	6,362,879	77	7,233,136	80
Canned	1,190,067	14	1,195,607	13
Cured	185,782	2	84,177	1
Total edible	7,738,728	94	8,512,920	94
Industrial:				
Bait and animal food	240,348	3	234,731	3
Meal and oil	227,438	3	218,631	2
Other	57,826	1	55,391	1
Total industrial	525,612	6	508,753	6
Grand total	8,264,340	100	9,021,673	100

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

U.S. PRODUCTION OF FISH STICKS, FISH PORTIONS, AND BREADED SHRIMP, 2001-2010

Year	Fish sticks			Fish portions			Breaded shrimp		
	<u>Thousand pounds</u>	<u>Metric tons</u>	<u>Thousand dollars</u>	<u>Thousand pounds</u>	<u>Metric tons</u>	<u>Thousand dollars</u>	<u>Thousand pounds</u>	<u>Metric tons</u>	<u>Thousand dollars</u>
2001	43,014	19,511	41,539	189,186	85,814	235,460	152,205	69,040	539,705
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	82,876	37,592	113,754	177,424	80,479	323,802	123,646	56,085	583,692

Processed Fishery Products

PRODUCTION OF FRESH AND FROZEN FILLETS AND STEAKS, BY SPECIES, 2009 AND 2010

Species	2009 (1)			2010		
	Thousand pounds	Metric tons	Thousand dollars	Thousand pounds	Metric tons	Thousand dollars
Fillets:						
Amberjack	53	24	236	46	21	226
Anglerfish	911	413	4,099	1,149	521	4,554
Bluefish	70	32	231	91	41	301
Cobia	13	6	109	17	8	172
Cod	36,202	16,421	102,245	50,054	22,704	135,280
Cusk	31	14	108	37	17	137
Dolphinfish	3,745	1,699	19,420	10,298	4,671	17,757
Flounders	18,407	8,349	56,634	32,499	14,741	56,147
Groupers	908	412	8,172	1,015	460	9,498
Haddock	14,152	6,419	60,052	23,190	10,519	88,766
Hake	35,870	16,271	46,150	28,782	13,055	41,411
Halibut	4,477	2,031	31,682	5,483	2,487	41,147
Lingcod	72	33	299	68	31	289
Ocean perch:						
Atlantic	1,144	519	2,981	1,406	638	4,029
Pacific	419	190	1,076	345	156	730
Opah	181	82	1,350	168	76	1,631
Pollock:						
Atlantic	2,805	1,272	7,859	2,041	926	7,116
Alaska	276,949	125,623	341,363	289,968	131,529	368,076
Rockfishes	2,586	1,173	6,413	2,440	1,107	6,480
Sablefish	91	41	531	279	127	1,545
Salmon	70,541	31,997	309,763	90,548	41,072	458,527
Sea bass	460	209	3,916	408	185	4,503
Sea trout	89	40	490	99	45	569
Shark	134	61	411	94	43	320
Snapper	526	239	4,422	433	196	3,971
Striped bass	64	29	627	73	33	715
Swordfish	1,975	896	14,478	2,127	965	16,807
Tilapia	5,844	2,651	17,484	9,200	4,173	31,924
Tuna	5,725	2,597	48,811	4,892	2,219	40,492
Wahoo	121	55	864	156	71	1,233
Wolffish	28	13	110	34	15	8,768
Unclassified	13,437	6,095	67,136	10,619	4,817	52,019
Total	498,030	225,905	1,159,522	568,059	257,670	1,405,140
Steaks:						
Halibut	2,669	1,211	19,494	2,648	1,201	19,175
Salmon	3,641	1,652	22,484	226	103	1,139
Swordfish	1,306	592	5,632	1,280	581	5,938
Tuna	2,119	961	9,344	2,017	915	9,028
Unclassified	3,624	1,644	6,774	4,328	1,963	8,581
Total	13,359	6,060	63,728	10,499	4,762	43,861
Grand total	511,389	231,965	1,223,250	578,558	262,432	1,449,001

(1) Revised

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

Processed Fishery Products

PRODUCTION OF CANNED FISHERY PRODUCTS, BY SPECIES, 2009 AND 2010

Species	Pounds per case	2009 (1)			2010		
		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	678	30	289	57,130	2,528	16,191
Chum	44.25	73,424	3,249	4,889	36,339	1,608	2,231
Pink	44.25	2,078,147	91,958	175,885	2,487,751	110,083	222,663
Coho	44.25	8,678	384	828	8,136	360	730
Sockeye	44.25	1,046,260	46,297	140,402	719,797	31,851	114,077
Total salmon		3,207,186	141,918	322,293	3,309,153	146,430	355,892
Specialties	48	17,125	822	5,068	10,583	508	2,433
Sardines, Maine	23.4	(5)	(5)	(5)	(5)	(5)	(5)
Tuna: (2)							
Albacore:							
Solid	18	7,377,611	132,797	362,760	8,487,389	152,773	354,937
Chunk	18	1,669,778	30,056	67,822	1,466,278	26,393	56,767
Total albacore		9,047,389	162,853	430,582	9,953,667	179,166	411,704
Lightmeat:							
Solid	18	406,889	7,324	18,981	385,944	6,947	18,063
Chunk	18	11,058,556	199,054	306,021	11,629,722	209,335	294,022
Total lightmeat		11,465,444	206,378	325,002	12,015,667	216,282	312,085
Total tuna		20,512,833	369,231	755,584	21,969,333	395,448	723,789
Specialties	48	63	3	24	63	3	27
Other	48	145,271	6,973	13,324	40,354	1,937	4,177
Total fish	--	23,882,478	518,947	1,096,293	25,329,486	544,326	1,086,318
Shellfish:							
Clam and clam products: (3)							
Whole and minced	15	1,555,067	23,326	39,658	1,642,933	24,644	40,904
Chowder and juice	30	2,565,367	76,961	48,578	2,820,667	84,620	56,108
Specialties	48	2,604	125	356	1,146	55	145
Total clams	--	4,123,038	100,412	88,592	4,464,746	109,319	97,157
Crab meat and specialties	20	6,513	127	363	41,795	815	8,462
Oyster, specialties	48	42	2	39	42	2	42
Shrimp, natural (4)	6.75	(5)	(5)	(5)	(5)	(5)	(5)
Other	48	36,833	1,768	4,780	32,729	1,571	3,630
Total shellfish	--	4,166,425	102,309	93,774	4,539,312	111,707	109,291
Total for human consumption	--	28,048,903	621,256	1,190,067	29,868,797	656,033	1,195,609
For bait and animal food	48	6,518,479	312,887	217,699	6,210,458	298,102	215,835
Grand total	--	34,567,383	934,143	1,407,766	36,079,256	954,135	1,411,444

(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.

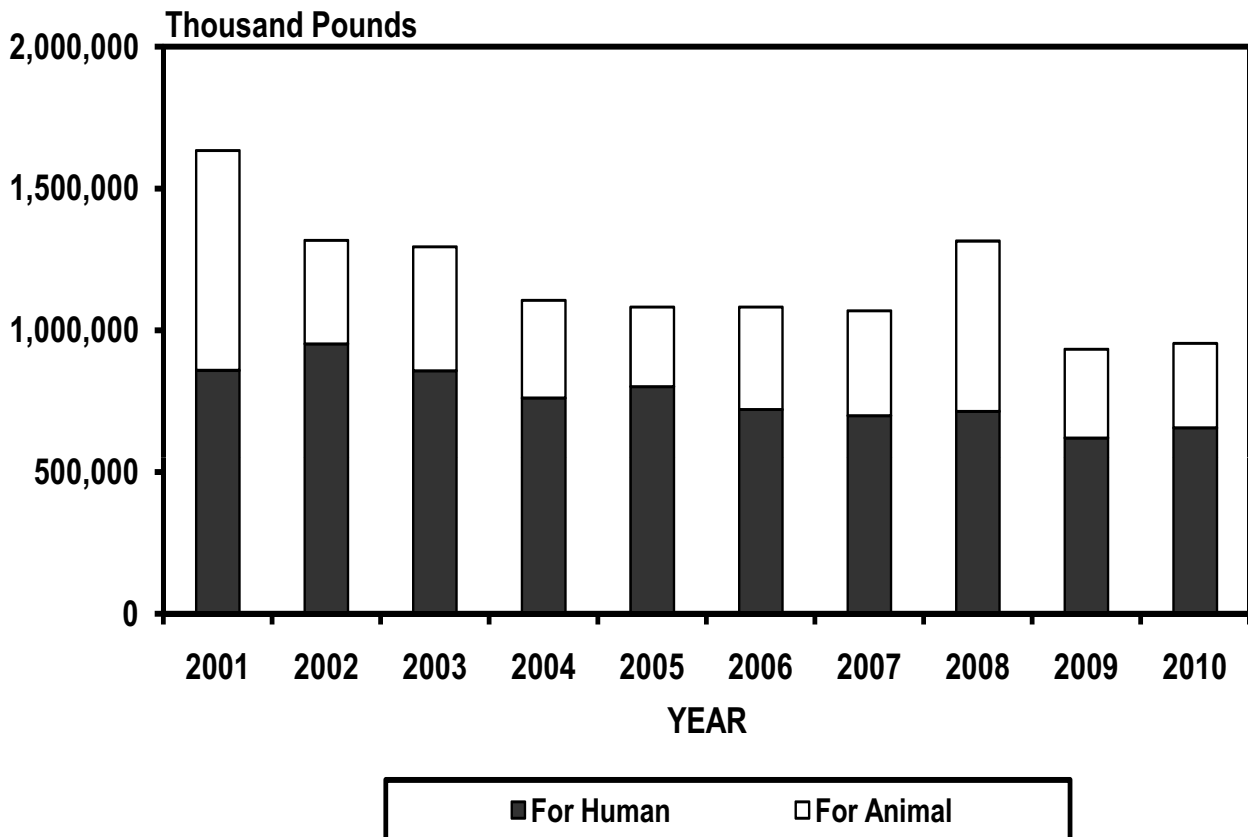
(5) Confidential included with 'Other.'

Processed Fishery Products

PRODUCTION OF CANNED FISHERY PRODUCTS, 2001-2010

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
2001	858,388	389,362	1,110,426	775,698	351,854	289,941	1,634,086	741,217	1,400,367
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	656,033	297,575	1,195,609	298,102	135,218	215,835	954,135	432,793	1,411,444

Production of Canned Fishery Products, 2001-2010



Processed Fishery Products

PRODUCTION OF MEAL AND OIL, 2009 AND 2010

Product	2009			2010		
	<u>Thousand pounds</u>	<u>Metric tons</u>	<u>Thousand dollars</u>	<u>Thousand pounds</u>	<u>Metric tons</u>	<u>Thousand dollars</u>
Dried scrap and meal:						
Fish	472,671	214,402	187,044	485,382	220,168	188,550
Shellfish	134	61	7	69	31	3
Total, scrap and meal	472,805	214,463	187,051	485,451	220,199	188,553
Body oil, total	168,157	76,276	40,388	136,361	61,853	30,078

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, 2001-2010

Year	Scrap and meal		Marine animal oil		Meal and oil	Other industrial products	Grand total
	<u>Thousand pounds</u>	<u>Metric tons</u>	<u>Thousand pounds</u>	<u>Metric tons</u>			
	----- Thousand dollars -----						
2001	643,989	292,111	279,416	126,742	173,908	82,770	256,678
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	485,451	220,199	136,361	61,853	218,631	62,992	281,623

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