

Processed Fishery Products

FRESH AND FROZEN

FISH FILLETS AND STEAKS. In 2008 the U.S. production of raw (uncooked) fish fillets and steaks, including blocks, was 575.3 million pounds—56.9 million pounds less than the 632.2 million pounds in 2007 due primarily to a large decrease in Alaska Pollock. All fillets and steaks were valued at \$1.3 billion. Despite a decrease of 116.7 million pounds from the 2007 volume, Alaska pollock fillets and blocks led all species with 284.2 million pounds—49 percent of the total. Production of ground-fish fillets and steaks (see Glossary Section—Groundfish) was 391.5 million pounds.

FISH STICKS AND PORTIONS. The combined production of fish sticks and portions was 286.7 million pounds valued at \$429.6 million compared with the 2007 production of 267.9 million pounds valued at \$405.1 million. The total production of fish sticks amounted to 82.3 million pounds valued at \$120.0 million. The total production of fish portions amounted to 204.3 million pounds valued at \$309.5 million.

BREADED SHRIMP. The production of breaded shrimp in 2008 was 74.2 million pounds valued at \$159.3 million. This represents a decline from the 2007 production of 86.1 million pounds valued at \$200.1 million.

CANNED PRODUCTS

CANNED FISHERY PRODUCTS. The pack of canned fishery products in the 50 states, American Samoa, and Puerto Rico was 1.3 billion pounds valued at \$1.4 billion—increases from the 2007 pack of 1.1 billion pounds valued at \$1.3 billion. The 2008 pack included 713.8 million pounds with a value of \$1.2 billion for human consumption and 600.5 million pounds valued at \$229.6 million for bait and animal food.

CANNED SALMON. The 2008 U.S. pack of salmon was 123.9 million pounds valued at \$225.3 million, decreases from the 2007 levels of 142.4 million pounds valued at \$273.5 million.

CANNED TUNA. The U.S. pack of tuna was 473.9 million pounds valued at \$844.9 million—strong increases of 37.6 million pounds in quantity and \$142.5

million in value compared with the 2007 pack. The pack of albacore tuna was 180.4 million pounds comprising 38 percent of the tuna pack in 2008. Lightmeat tuna (bigeye, bluefin, skipjack, and yellowfin) comprised the remainder with a pack of 293.5 million pounds.

CANNED CLAMS. The 2008 U.S. pack of clams (whole, minced, chowder, juice, and specialties) was 105.3 million pounds valued at \$95.4 million. The pack of whole and minced clams was 26.6 million pounds. Clam chowder and clam juice was 77.4 million pounds and made up the majority of the pack.

OTHER CANNED ITEMS. The pack of pet food and bait was 600.5 million pounds valued at \$229.6 million—a large increase in volume but a small decrease in value from the 2007 levels of 371.0 million pounds worth \$233.6 million.

INDUSTRIAL FISHERY PRODUCTS

INDUSTRIAL FISHERY PRODUCTS. The value of the domestic production of industrial fishery products was \$309.8 million—a decrease of \$30.1 million compared with the 2007 value but still above recent historical levels.

FISH MEAL. The domestic production of fish and shellfish meal was 492.8 million pounds valued at \$182.0 million—decreases of 70.4 million pounds and \$36.3 million compared with 2007. Most of this production was fish meal (491.8 million pounds) while shellfish meal production was 1.1 million pounds—a decrease of 1.0 million pounds from the 2007 level.

FISH OILS. The domestic production of fish oils was 190.0 million pounds (approximately 24.5 million gallons) valued at \$63.2 million—increases of 37.8 million pounds and \$3.6 million in value compared with 2007 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 \$64.6 million.

Processed Fishery Products

VALUE OF PROCESSED FISHERY PRODUCTS, 2007 AND 2008 (Processed from domestic catch and imported products)

Item	2007 (1)		2008	
	<u>Thousand dollars</u>	<u>Percent of total</u>	<u>Thousand dollars</u>	<u>Percent of total</u>
Edible:				
Fresh and frozen	6,516,562	78	5,718,848	75
Canned	1,090,070	13	1,190,350	16
Cured	171,271	2	119,978	2
Total edible	7,777,903	93	7,029,176	93
Industrial:				
Bait and animal food	278,497	3	262,771	3
Meal and oil	277,874	3	245,240	3
Other	55,639	1	57,762	1
Total industrial	612,010	7	565,773	7
Grand total	8,389,913	100	7,594,949	100

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

U.S. PRODUCTION OF FISH STICKS, FISH PORTIONS, AND BREADED SHRIMP, 1999-2008

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>
1999	65,019	29,492	63,396	203,279	92,207	269,125	119,149	54,046	351,891
2000	39,925	18,110	42,549	182,736	82,889	233,368	121,399	55,066	375,453
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	82,336	37,347	120,042	204,335	92,686	309,540	74,160	33,639	159,348

Processed Fishery Products

PRODUCTION OF FRESH AND FROZEN FILLETS AND STEAKS, BY SPECIES, 2007 AND 2008

Species	2007 (1)			2008		
	Thousand pounds	Metric tons	Thousand dollars	Thousand pounds	Metric tons	Thousand dollars
Fillets:						
Amberjack	40	18	162	39	18	152
Anglerfish	1,008	457	4,779	1,150	522	5,588
Bluefish	77	35	233	68	31	221
Cobia	14	6	128	13	6	114
Cod	32,442	14,716	101,930	38,706	17,557	111,605
Cusk	74	34	287	41	19	146
Dolphinfish	5,243	2,378	22,694	5,442	2,468	22,903
Flounders	20,818	9,443	68,735	21,146	9,592	69,832
Groupers	840	381	7,893	945	429	8,435
Haddock	10,906	4,947	58,723	8,852	4,015	44,331
Hake	34,237	15,530	39,318	55,030	24,961	67,190
Halibut	5,624	2,551	39,561	12,169	5,520	86,707
Lingcod	177	80	485	131	59	425
Ocean perch:						
Atlantic	999	453	3,169	1,189	539	3,032
Pacific	1,586	719	3,446	664	301	1,658
Opah	187	85	992	169	77	849
Pollock:						
Atlantic	2,131	967	4,966	2,829	1,283	7,883
Alaska	400,892	181,843	493,732	284,153	128,891	347,490
Rockfishes	2,411	1,094	5,634	1,674	759	4,264
Sablefish	95	43	439	127	58	1,435
Salmon	70,891	32,156	245,495	68,404	31,028	271,075
Sea bass	501	227	4,266	553	251	4,899
Sea trout	243	110	891	123	56	555
Shark	192	87	649	266	121	877
Snapper	663	301	4,624	779	353	4,819
Striped bass	67	30	692	64	29	660
Swordfish	2,462	1,117	17,344	2,198	997	15,170
Tilapia	5,364	2,433	13,718	6,856	3,110	20,780
Tuna	7,017	3,183	49,984	10,014	4,542	61,705
Wahoo	331	150	2,277	443	201	1,910
Wolffish	42	19	262	136	62	814
Unclassified	9,574	4,343	51,095	38,233	17,342	70,449
Total	617,148	279,936	1,248,603	562,606	255,196	1,237,973
Steaks:						
Halibut	3,066	1,391	21,761	2,588	1,174	20,688
Salmon	222	101	1,133	166	75	962
Swordfish	1,274	578	5,372	1,541	699	6,940
Tuna	3,073	1,394	12,834	3,066	1,391	13,739
Unclassified	7,413	3,363	13,942	5,374	2,438	10,042
Total	15,048	6,826	55,042	12,735	5,777	52,371
Grand total	632,196	286,762	1,303,645	575,341	260,973	1,290,344

(1) Revised

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

Processed Fishery Products

PRODUCTION OF CANNED FISHERY PRODUCTS, BY SPECIES, 2007 AND 2008

Species	Pounds per case	2007 (1)			2008		
		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	723	32	283	701	31	274
Chum	44.25	120,429	5,329	5,323	135,864	6,012	6,283
Pink	44.25	1,909,627	84,501	123,275	1,772,497	78,433	113,968
Coho	44.25	12,565	556	1,053	8,836	391	2,095
Sockeye	44.25	1,175,842	52,031	143,576	882,780	39,063	102,631
Total salmon		3,219,186	142,449	273,510	2,800,678	123,930	225,251
Specialties	48	22,771	1,093	7,332	20,375	978	6,227
Sardines, Maine	23.4	(5)	(5)	(5)	(5)	(5)	(5)
Tuna: (2)							
Albacore:							
Solid	18	8,202,111	147,638	342,008	8,369,389	150,649	342,626
Chunk	18	1,564,667	28,164	50,812	1,654,111	29,774	62,304
Total albacore		9,766,778	175,802	392,820	10,023,500	180,423	404,930
Lightmeat:							
Solid	18	367,667	6,618	13,866	457,944	8,243	18,959
Chunk	18	14,104,278	253,877	295,761	15,848,556	285,274	421,042
Total lightmeat		14,471,944	260,495	309,627	16,306,500	293,517	440,001
Total tuna		24,238,722	436,297	702,447	26,330,000	473,940	844,931
Specialties	48	83	4	23	1,250	60	164
Other	48	173,313	8,319	13,486	170,000	8,160	14,748
Total fish	--	27,654,075	588,162	996,798	29,322,303	607,068	1,091,321
Shellfish:							
Clam and clam products: (3)							
Whole and minced	15	1,434,800	21,522	35,106	1,770,533	26,558	44,300
Chowder and juice	30	2,847,567	85,427	50,239	2,581,567	77,447	49,603
Specialties	48	55,750	2,676	3,492	26,313	1,263	1,505
Total clams	--	4,338,117	109,625	88,837	4,378,413	105,268	95,408
Crab meat and specialties	20	2,974	58	171	6,923	135	454
Oyster, specialties	48	167	8	135	146	7	133
Shrimp, natural (4)	6.75	31,407	212	1,008	(5)	(5)	(5)
Other	48	15,958	766	3,121	27,104	1,301	3,034
Total shellfish	--	4,388,623	110,669	93,272	4,412,586	106,711	99,029
Total for human consumption	--	32,042,699	698,831	1,090,070	33,734,889	713,779	1,190,350
For bait and animal food	48	7,729,833	371,032	233,614	12,510,500	600,504	229,593
Grand total	--	39,772,532	1,069,863	1,323,684	46,245,389	1,314,283	1,419,943

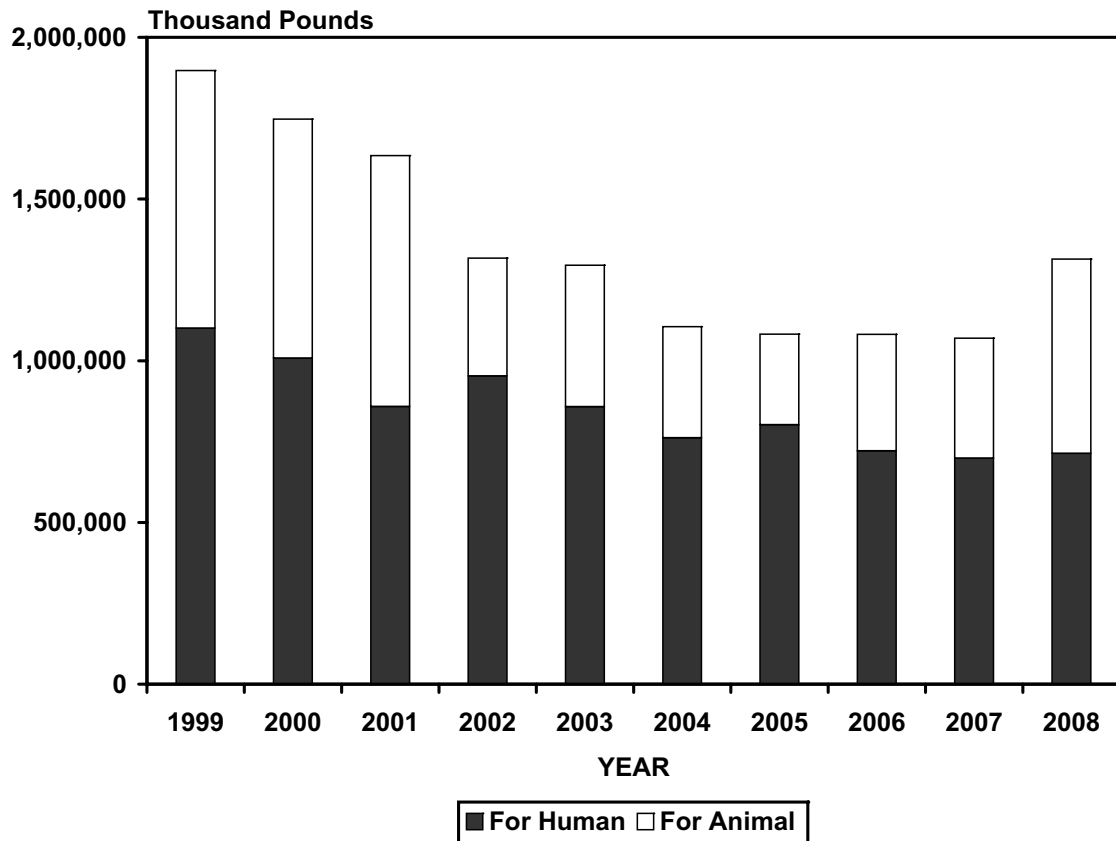
- (1) Revised.
- (2) Flakes included with chunk.
- (3) "Cut out" or "drained" weight of can contents are given for whole or minced clams, and net contents for other clam products.
- (4) Drained weight.
- (5) Confidential included with 'Other.'

Processed Fishery Products

PRODUCTION OF CANNED FISHERY PRODUCTS, 1999-2008

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
1999	1,100,329	499,106	1,521,880	796,769	361,412	339,548	1,897,098	860,518	1,861,428
2000	1,008,098	457,270	1,334,012	738,821	335,127	291,992	1,746,919	792,397	1,626,004
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	713,779	323,768	1,190,350	600,504	272,387	229,593	1,314,283	596,155	1,419,943

Production of Canned Fishery Products, 1999-2008



Processed Fishery Products

PRODUCTION OF MEAL AND OIL, 2007 AND 2008

Product	2007			2008		
	<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	561,142	254,532	218,112	491,752	223,057	181,851
Shellfish	2,079	943	172	1,076	488	166
Total, scrap and meal	563,221	255,475	218,284	492,828	223,545	182,017
Body oil, total	152,205	69,040	59,590	190,023	86,194	63,223

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, 1999-2008

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 -----						
1999	686,250	311,281	286,182	129,811	188,854	79,325	268,179
2000	638,244	289,506	192,348	87,248	135,815	83,023	218,838
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	64,557	309,797

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