

# Processed Fishery Products

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## FRESH AND FROZEN

**FISH FILLETS AND STEAKS.** In 2007 the U.S. production of raw (uncooked) fish fillets and steaks, including blocks, was 622.4 million pounds—8.6 million pounds less than the 630.9 million pounds in 2006. These fillets and steaks were valued at \$1.3 billion. Alaska pollock fillets and blocks led all species with 396.1 million pounds—64 percent of the total. Production of ground-fish fillets and steaks (see Glossary Section-Groundfish) was 477.3 million pounds.

**FISH STICKS AND PORTIONS.** The combined production of fish sticks and portions was 262.8 million pounds valued at \$389.7 million compared with the 2006 production of 238.1 million pounds valued at \$364.9 million. The total production of fish sticks amounted to 72.3 million pounds valued at \$103.7 million. The total production of fish portions amounted to 190.5 million pounds valued at \$286.1 million.

**BREADED SHRIMP.** The production of breaded shrimp in 2007 was 85.9 million pounds valued at \$199.3 million. This represents a steep decline from the 2006 production of 139.6 million pounds valued at \$347.2 million.

## CANNED PRODUCTS

**CANNED FISHERY PRODUCTS.** The pack of canned fishery products in the 50 states, American Samoa, and Puerto Rico was 1.1 billion pounds valued at \$1.4 billion—essentially unchanged from the 2006 pack. The 2007 pack included 729.6 million pounds valued at \$1.1 billion for human consumption and 369.9 million pounds valued at \$232.0 million for bait and animal food.

**CANNED SALMON.** The 2007 U.S. pack of salmon was 182.8 million pounds valued at \$282.8 million, increases from the 2006 levels of 151.7 million pounds valued at \$250.1 million.

**CANNED TUNA.** The U.S. pack of tuna was 436.3 million pounds valued at \$702.4 million—small decreases of 8.4 million pounds in quantity and \$2.3 million in value compared with the 2006 pack. The pack of

albacore tuna was 175.8 million pounds comprising 40 percent of the tuna pack in 2007. Lightmeat tuna (bigeye, bluefin, skipjack, and yellowfin) comprised the remainder with a pack of 260.5 million pounds.

**CANNED CLAMS.** The 2007 U.S. pack of clams (whole, minced, chowder, juice, and specialties) was 100.0 million pounds valued at \$109.3 million. The pack of whole and minced clams was 25.1 million pounds. Clam chowder and clam juice was 72.2 million pounds and made up the majority of the pack.

**OTHER CANNED ITEMS.** The pack of pet food was 369.9 million pounds valued at \$232.0 million—small increases from the 2006 levels of 360.2 million pounds worth \$229.1 million.

## INDUSTRIAL FISHERY PRODUCTS

**INDUSTRIAL FISHERY PRODUCTS.** The value of the domestic production of industrial fishery products was \$332.6 million—an increase of \$90.2 million compared with the 2006 value of \$242.3 million reflecting large increases in the prices of fish meal and fish oil.

**FISH MEAL.** The domestic production of fish and shellfish meal was 563.2 million pounds valued at \$218.3 million—a decrease of 19.7 million pounds but an increase of \$66.3 million compared with 2006. Fish meal production was 561.1 million pounds valued at \$218.1 million—a decrease of 17.1 million pounds but an increase of \$66.6 million from the 2006 production. Shellfish meal production was 2.1 million pounds—a decrease of 2.6 million pounds from the 2006 level.

**FISH OILS.** The domestic production of fish oils was 152.2 million pounds (approximately 19.6 million gallons) valued at \$59.6 million—an increase of 9.5 million pounds and \$25.8 million in value compared with 2006 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 \$54.7 million.

# Processed Fishery Products

## VALUE OF PROCESSED FISHERY PRODUCTS, 2006 AND 2007 (Processed from domestic catch and imported products)

Item	2006 (1)		2007	
	<u>Thousand dollars</u>	<u>Percent of total</u>	<u>Thousand dollars</u>	<u>Percent of total</u>
<b>Edible:</b>				
Fresh and frozen	6,826,050	80	6,404,527	77
Canned	1,100,794	13	1,119,808	14
Cured	132,368	2	161,490	2
<b>Total edible</b>	<b>8,059,212</b>	<b>94</b>	<b>7,685,825</b>	<b>93</b>
<b>Industrial:</b>				
Bait and animal food	254,438	3	275,867	3
Meal and oil	185,712	2	277,874	3
Other	56,621	1	54,685	1
<b>Total industrial</b>	<b>496,771</b>	<b>6</b>	<b>608,426</b>	<b>7</b>
<b>Grand total</b>	<b>8,555,983</b>	<b>100</b>	<b>8,294,251</b>	<b>100</b>

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

## U.S. PRODUCTION OF FISH STICKS, FISH PORTIONS, AND BREADED SHRIMP, 1998-2007

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>
1998	68,778	31,197	63,473	184,681	83,771	211,356	109,481	49,660	333,257
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	72,252	32,773	103,686	190,518	86,418	286,055	85,852	38,942	199,281

# Processed Fishery Products

## PRODUCTION OF FRESH AND FROZEN FILLETS AND STEAKS, BY SPECIES, 2006 AND 2007

Species	2006 (1)			2007		
	<u>Thousand pounds</u>	<u>Metric tons</u>	<u>Thousand dollars</u>	<u>Thousand pounds</u>	<u>Metric tons</u>	<u>Thousand dollars</u>
<b>Fillets:</b>						
Amberjack	52	24	238	40	18	162
Anglerfish	1,542	699	6,015	1,008	457	4,778
Bluefish	78	35	222	77	35	233
Cobia	7	3	51	14	6	128
Cod	42,213	19,148	122,739	32,389	14,692	101,717
Cusk	74	34	294	74	34	287
Dolphinfish	5,535	2,511	21,104	5,239	2,376	22,667
Flounders	18,342	8,320	73,479	20,370	9,240	68,267
Groupers	2,062	935	14,116	839	381	7,878
Haddock	15,737	7,138	69,793	10,442	4,736	57,270
Hake	40,606	18,419	38,568	33,564	15,225	38,766
Halibut	5,512	2,500	37,743	5,624	2,551	39,512
Lingcod	176	80	393	180	82	439
Ocean perch:						
Atlantic	1,061	481	2,809	990	449	3,137
Pacific	449	204	1,034	1,577	715	3,424
Opah	212	96	2,054	187	85	992
Pollock:						
Atlantic	1,600	726	3,575	2,129	966	4,954
Alaska	397,958	180,513	487,516	396,135	179,686	484,778
Rockfishes	2,028	920	5,127	2,534	1,149	6,202
Sablefish	137	62	549	97	44	441
Salmon	54,461	24,703	201,023	67,440	30,591	240,704
Sea bass	385	175	3,095	498	226	4,226
Sea trout	241	109	896	243	110	891
Shark	373	169	1,261	191	87	643
Snapper	641	291	5,784	662	300	4,604
Striped bass	74	34	554	67	30	692
Swordfish	2,648	1,201	20,141	2,459	1,115	17,290
Tilapia	4,454	2,020	9,980	5,348	2,426	13,592
Tuna	7,175	3,255	57,063	7,004	3,177	49,765
Wahoo	351	159	2,254	331	150	2,277
Wolffish	49	22	185	42	19	262
Unclassified	10,301	4,673	55,906	9,542	4,328	51,207
<b>Total</b>	<b>616,534</b>	<b>279,658</b>	<b>1,245,561</b>	<b>607,336</b>	<b>275,486</b>	<b>1,232,185</b>
<b>Steaks:</b>						
Halibut	3,703	1,680	22,318	3,064	1,390	21,724
Salmon	1,003	455	4,611	221	100	1,126
Swordfish	1,198	543	5,377	1,273	577	5,358
Tuna	2,981	1,352	11,106	3,071	1,393	12,823
Unclassified	5,511	2,500	10,575	7,396	3,355	13,880
<b>Total</b>	<b>14,396</b>	<b>6,530</b>	<b>53,987</b>	<b>15,025</b>	<b>6,815</b>	<b>54,911</b>
<b>Grand total</b>	<b>630,930</b>	<b>286,188</b>	<b>1,299,548</b>	<b>622,361</b>	<b>282,301</b>	<b>1,287,096</b>

(1) Revised

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

# Processed Fishery Products

## PRODUCTION OF CANNED FISHERY PRODUCTS, BY SPECIES, 2006 AND 2007

Species	Pounds per case	2006 (1)			2007		
		Standard cases	Thousand pounds	Thousand dollars	Standard cases	Thousand pounds	Thousand dollars
<b>For human consumption:</b>							
<b>Fish:</b>							
Herring	23.4	(5)	(5)	(5)	(5)	(5)	(5)
<b>Salmon:</b>							
Chinook	44.25	1,220	54	296	723	32	278
Chum	44.25	160,452	7,100	6,686	64,588	2,858	2,981
Pink	44.25	2,010,847	88,980	98,648	2,828,158	125,146	140,400
Coho	44.25	25,989	1,150	2,223	21,017	930	1,593
Sockeye	44.25	1,229,944	54,425	142,269	1,217,243	53,863	137,524
<b>Total salmon</b>		<b>3,428,452</b>	<b>151,709</b>	<b>250,122</b>	<b>4,131,729</b>	<b>182,829</b>	<b>282,776</b>
Specialties	48	16,729	803	3,541	22,750	1,092	7,311
Sardines, Maine	23.4	(5)	(5)	(5)	(5)	(5)	(5)
<b>Tuna: (2)</b>							
<b>Albacore:</b>							
Solid	18	7,907,722	142,339	355,397	8,202,111	147,638	341,998
Chunk	18	1,454,722	26,185	50,356	1,564,667	28,164	50,812
<b>Total albacore</b>		<b>9,362,444</b>	<b>168,524</b>	<b>405,753</b>	<b>9,766,778</b>	<b>175,802</b>	<b>392,810</b>
<b>Lightmeat:</b>							
Solid	18	429,944	7,739	11,624	367,667	6,618	13,866
Chunk	18	14,915,278	268,475	287,356	14,104,278	253,877	295,761
<b>Total lightmeat</b>		<b>15,345,222</b>	<b>276,214</b>	<b>298,980</b>	<b>14,471,944</b>	<b>260,495</b>	<b>309,627</b>
<b>Total tuna</b>		<b>24,707,667</b>	<b>444,738</b>	<b>704,733</b>	<b>24,238,722</b>	<b>436,297</b>	<b>702,437</b>
Specialties	48	83	4	27	83	4	23
Other	48	219,167	10,520	16,151	173,292	8,318	13,484
<b>Total fish</b>	--	<b>28,372,098</b>	<b>607,774</b>	<b>974,574</b>	<b>28,566,576</b>	<b>628,540</b>	<b>1,006,031</b>
<b>Shellfish:</b>							
<b>Clam and clam products: (3)</b>							
Whole and minced	15	2,243,533	33,653	71,027	1,675,067	25,126	58,465
Chowder and juice	30	2,536,667	76,100	48,727	2,406,167	72,185	47,386
Specialties	48	49,458	2,374	2,907	55,750	2,676	3,492
<b>Total clams</b>	--	<b>4,829,658</b>	<b>112,127</b>	<b>122,661</b>	<b>4,136,983</b>	<b>99,987</b>	<b>109,343</b>
Crab meat and specialties	20	2,154	42	102	2,974	58	171
Lobster meat and specialties	48	3,167	152	488	2,521	121	217
Oyster, specialties	48	4,458	214	415	167	8	134
Shrimp, natural (4)	6.75	36,148	244	1,211	31,407	212	1,008
Other	48	11,438	549	1,343	13,438	645	2,904
<b>Total shellfish</b>	--	<b>4,887,023</b>	<b>113,328</b>	<b>126,220</b>	<b>4,187,490</b>	<b>101,031</b>	<b>113,777</b>
<b>Total for human consumption</b>	--	<b>33,259,121</b>	<b>721,102</b>	<b>1,100,794</b>	<b>32,754,066</b>	<b>729,571</b>	<b>1,119,808</b>
<b>For bait and animal food</b>	48	7,505,021	360,241	229,109	7,705,604	369,869	231,967
<b>Grand total</b>	--	<b>40,764,141</b>	<b>1,081,343</b>	<b>1,329,903</b>	<b>40,459,670</b>	<b>1,099,440</b>	<b>1,351,775</b>

(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.

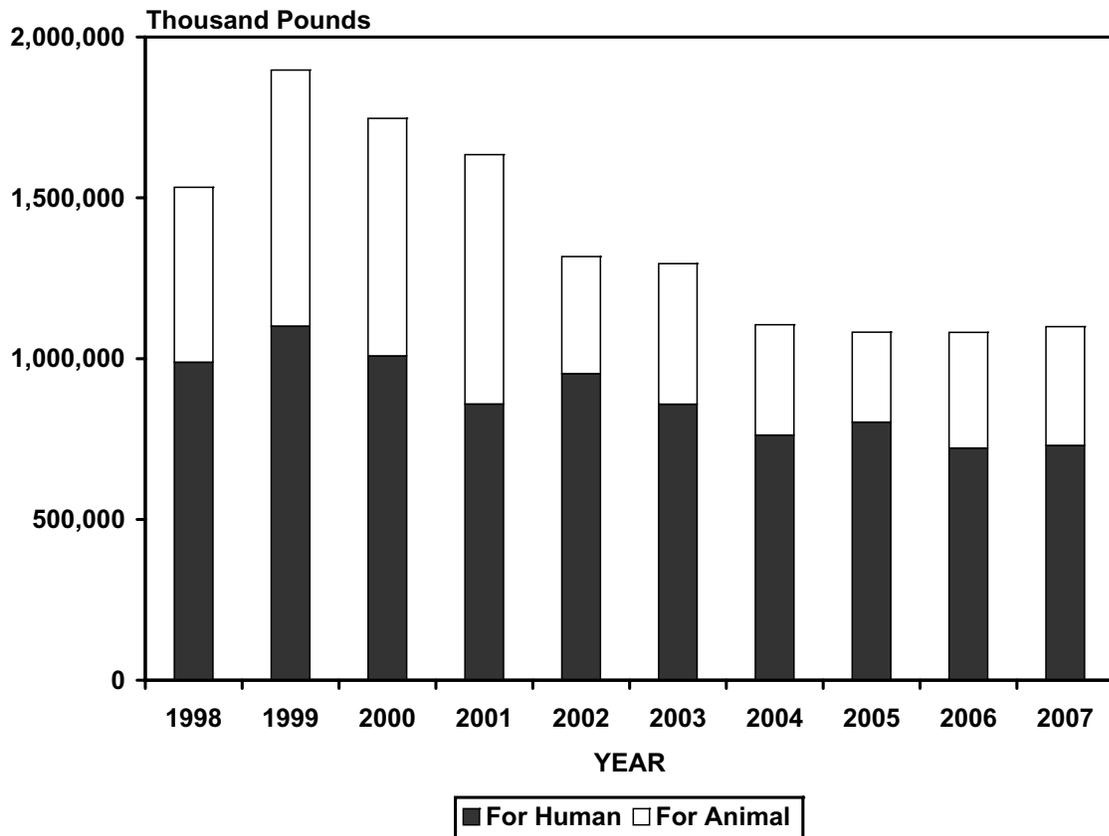
(5) Confidential included with 'Other.'

# Processed Fishery Products

**PRODUCTION OF CANNED FISHERY PRODUCTS, 1998-2007**

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
1998	988,693	448,468	1,425,564	544,328	246,906	349,765	1,533,021	695,374	1,775,329
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	729,571	330,931	1,119,808	369,869	167,771	231,967	1,099,440	498,703	1,351,775

**Production of Canned Fishery Products, 1998-2007**



# Processed Fishery Products

## PRODUCTION OF MEAL AND OIL, 2006 AND 2007

Product	2006			2007		
	<u>Thousand pounds</u>	<u>Metric tons</u>	<u>Thousand dollars</u>	<u>Thousand pounds</u>	<u>Metric tons</u>	<u>Thousand dollars</u>
<b>Dried scrap and meal:</b>						
Fish	578,207	262,273	151,545	561,142	254,532	218,112
Shellfish	4,693	2,129	400	2,079	943	172
<b>Total, scrap and meal</b>	<b>582,900</b>	<b>264,402</b>	<b>151,945</b>	<b>563,221</b>	<b>255,475</b>	<b>218,284</b>
<b>Body oil, total</b>	<b>142,747</b>	<b>64,750</b>	<b>33,767</b>	<b>152,205</b>	<b>69,040</b>	<b>59,590</b>

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, 1998-2007

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 -----						
1998	613,434	278,252	222,697	101,015	172,574	60,800	233,374
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	56,621	242,333
2007	563,221	255,475	152,205	69,040	277,874	54,685	332,559

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