

# Processed Fishery Products

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## FRESH AND FROZEN

**FISH FILLETS AND STEAKS.** In 2006 the U.S. production of raw (uncooked) fish fillets and steaks, including blocks, was 629.6 million pounds—14.2 million pounds more than the 615.4 million pounds in 2005. These fillets and steaks were valued at \$1.3 billion. Alaska pollock fillets and blocks led all species with 398.0 million pounds—63 percent of the total. Production of ground-fish fillets and steaks (see Glossary Section-Groundfish) was 498.8 million pounds.

**FISH STICKS AND PORTIONS.** The combined production of fish sticks and portions was 237.7 million pounds valued at \$363.2 million compared with the 2005 production of 242.6 million pounds valued at \$399.0 million. The total production of fish sticks amounted to 59.3 million pounds valued at \$61.9 million. The total production of fish portions amounted to 178.4 million pounds valued at \$301.3 million.

**BREADED SHRIMP.** The production of breaded shrimp in 2006 was 139.2 million pounds valued at \$345.1 million, compared with the 2005 production of 120.1 million pounds valued at \$277.6 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 \$1.3 billion—a decrease of 1.3 million pounds and an increase of \$119.0 million compared with the 2005 pack. The 2006 pack included 721.0 million pounds valued at \$1.1 billion for human consumption and 360.2 million pounds valued at \$229.1 million for bait and animal food.

**CANNED SALMON.** The 2006 U.S. pack of salmon was 151.7 million pounds valued at \$250.1 million, compared with 218.9 million pounds valued at \$301.0 million packed in 2005.

**CANNED TUNA.** The U.S. pack of tuna was 444.7 million pounds valued at \$704.7 million—a decrease of 1.4 million pounds in quantity and an increase of \$77.1 million in value compared with the 2005 pack. The pack

of albacore tuna was 168.5 million pounds comprising 38 percent of the tuna pack in 2006. Lightmeat tuna (bigeye, bluefin, skipjack, and yellowfin) comprised the remainder with a pack of 276.2 million pounds.

**CANNED CLAMS.** The 2006 U.S. pack of clams (whole, minced, chowder, juice, and specialties) was 112.0 million pounds valued at \$122.4 million. The pack of whole and minced clams was 33.6 million pounds and accounted for 30 percent of the total clam pack. Clam chowder and clam juice was 76.1 million pounds and made up the majority of the pack.

**OTHER CANNED ITEMS.** The pack of pet food was 360.2 million pounds valued at \$229.1 million—an increase of 80.0 million pounds compared with the 2005 pack.

## INDUSTRIAL FISHERY PRODUCTS

**INDUSTRIAL FISHERY PRODUCTS.** The value of the domestic production of industrial fishery products was \$246.0 million—an increase of \$39.2 million compared with the 2005 value of \$206.8 million

**FISH MEAL.** The domestic production of fish and shellfish meal was 582.9 million pounds valued at \$151.9 million—an increase of 17.7 million pounds and \$28.5 million compared with 2005. Fish meal production was 578.2 million pounds valued at \$151.5 million—an increase of 17.1 million pounds and \$28.5 million from the 2005 production. Shellfish meal production was 4.7 million pounds—an increase of 0.6 million pounds from the 2005 level.

**FISH OILS.** The domestic production of fish oils was 142.7 million pounds valued at \$33.8 million—a decrease of 14.9 million pounds and an increase of \$2.9 million in value compared with 2005 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 \$60.3 million.

# Processed Fishery Products

## VALUE OF PROCESSED FISHERY PRODUCTS, 2005 AND 2006 (Processed from domestic catch and imported products)

Item	2005 (1)		2006	
	<u>Thousand dollars</u>	<u>Percent of total</u>	<u>Thousand dollars</u>	<u>Percent of total</u>
<b>Edible:</b>				
Fresh and frozen	6,214,334	79	6,714,626	80
Canned	1,081,457	14	1,100,516	13
Cured	167,782	2	125,029	1
<b>Total edible</b>	<b>7,463,573</b>	<b>95</b>	<b>7,940,171</b>	<b>94</b>
<b>Industrial:</b>				
Bait and animal food	156,251	2	249,137	3
Meal and oil	154,335	2	185,712	2
Other	52,496	1	60,327	1
<b>Total industrial</b>	<b>363,082</b>	<b>5</b>	<b>495,176</b>	<b>6</b>
<b>Grand total</b>	<b>7,826,655</b>	<b>100</b>	<b>8,435,347</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, 1997-2006

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>
1997	69,167	31,374	64,298	195,554	88,703	285,348	117,471	53,284	334,939
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	59,329	26,911	61,872	178,357	80,902	301,309	139,228	63,153	345,055

# Processed Fishery Products

## PRODUCTION OF FRESH AND FROZEN FILLETS AND STEAKS, BY SPECIES, 2005 AND 2006

Species	2005 (1)			2006		
	Thousand pounds	Metric tons	Thousand dollars	Thousand pounds	Metric tons	Thousand dollars
<b>Fillets:</b>						
Amberjack	48	22	185	52	24	238
Anglerfish	1,422	645	5,571	1,542	699	6,015
Bluefish	79	36	233	78	35	222
Cod	46,919	21,282	115,758	41,285	18,727	119,394
Cusk	82	37	304	74	34	294
Dolphinfish	3,986	1,808	17,560	4,003	1,816	18,161
Drum	8	4	43	4	2	30
Flounders	19,936	9,043	64,947	18,695	8,480	74,082
Groupers	1,737	788	13,024	2,061	935	14,109
Haddock	24,250	11,000	89,435	15,684	7,114	69,455
Hake	26,983	12,239	22,306	40,605	18,418	38,566
Halibut	4,849	2,199	26,909	5,508	2,498	37,683
Lingcod	144	65	372	175	79	389
Marlins	30	14	97	29	13	118
Ocean perch:						
Atlantic	1,475	669	4,080	1,059	480	2,802
Pacific	486	220	953	444	201	873
Pollock:						
Atlantic	2,502	1,135	5,769	1,600	726	3,574
Alaska	383,310	173,868	404,269	398,040	180,550	487,548
Rockfishes	3,359	1,524	7,530	2,016	914	5,072
Sablefish	109	49	436	137	62	549
Salmon	49,741	22,562	150,073	56,190	25,488	204,633
Sea bass	931	422	7,901	928	421	7,602
Sea trout	236	107	912	241	109	896
Shark	353	160	976	373	169	1,259
Snapper	891	404	6,523	639	290	5,740
Swordfish	2,387	1,083	16,742	2,645	1,200	20,103
Tilapia	4,485	2,034	11,230	3,570	1,619	9,286
Tuna	6,971	3,162	49,100	7,149	3,243	56,742
Wahoo	269	122	1,828	349	158	2,224
Whitefish	36	16	165	35	16	192
Wolffish	30	14	83	49	22	185
Unclassified	13,352	6,056	64,514	10,431	4,731	57,475
<b>Total</b>	<b>601,396</b>	<b>272,791</b>	<b>1,089,828</b>	<b>615,690</b>	<b>279,275</b>	<b>1,245,511</b>
<b>Steaks:</b>						
Halibut	3,177	1,441	18,078	3,016	1,368	17,426
Salmon	1,121	508	4,974	998	453	4,561
Swordfish	1,302	591	4,546	1,323	600	4,802
Tuna	3,199	1,451	10,460	3,064	1,390	10,574
Unclassified	5,210	2,363	8,223	5,510	2,499	10,570
<b>Total</b>	<b>14,009</b>	<b>6,354</b>	<b>46,281</b>	<b>13,911</b>	<b>6,310</b>	<b>47,933</b>
<b>Grand total</b>	<b>615,405</b>	<b>279,146</b>	<b>1,136,109</b>	<b>629,601</b>	<b>285,585</b>	<b>1,293,444</b>

(1) Revised

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

# Processed Fishery Products

## PRODUCTION OF CANNED FISHERY PRODUCTS, BY SPECIES, 2005 AND 2006

Species	Pounds per case	2005 (1)			2006		
		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	1,627	72	299	1,198	53	292
Chum	44.25	57,085	2,526	2,002	160,452	7,100	6,686
Pink	44.25	3,624,836	160,399	160,945	2,010,847	88,980	98,648
Coho	44.25	14,169	627	1,372	25,989	1,150	2,223
Sockeye	44.25	1,248,927	55,265	136,392	1,229,944	54,425	142,266
<b>Total salmon</b>		<b>4,946,644</b>	<b>218,889</b>	<b>301,010</b>	<b>3,428,429</b>	<b>151,708</b>	<b>250,115</b>
Specialties	48	18,688	897	5,425	16,688	801	3,521
Sardines, Maine	23.4	(5)	(5)	(5)	(5)	(5)	(5)
<b>Tuna: (2)</b>							
<b>Albacore:</b>							
Solid	18	9,108,222	163,948	304,606	7,907,722	142,339	355,389
Chunk	18	1,204,889	21,688	39,099	1,454,722	26,185	50,356
<b>Total albacore</b>		<b>10,313,111</b>	<b>185,636</b>	<b>343,705</b>	<b>9,362,444</b>	<b>168,524</b>	<b>405,745</b>
<b>Lightmeat:</b>							
Solid	18	324,500	5,841	10,688	429,944	7,739	11,624
Chunk	18	14,145,833	254,625	273,216	14,915,278	268,475	287,356
<b>Total lightmeat</b>		<b>14,470,333</b>	<b>260,466</b>	<b>283,904</b>	<b>15,345,222</b>	<b>276,214</b>	<b>298,980</b>
<b>Total tuna</b>		<b>24,783,444</b>	<b>446,102</b>	<b>627,609</b>	<b>24,707,667</b>	<b>444,738</b>	<b>704,725</b>
Specialties	48	63	3	12	83	4	27
Other	48	235,354	11,297	15,087	219,167	10,520	16,151
<b>Total fish</b>	--	<b>29,984,193</b>	<b>677,188</b>	<b>949,143</b>	<b>28,372,034</b>	<b>607,771</b>	<b>974,539</b>
<b>Shellfish:</b>							
<b>Clam and clam products: (3)</b>							
Whole and minced	15	1,938,200	29,073	61,989	2,239,333	33,590	70,820
Chowder and juice	30	2,859,100	85,773	56,098	2,535,133	76,054	48,691
Specialties	48	176,833	8,488	8,436	49,458	2,374	2,907
<b>Total clams</b>	--	<b>4,974,133</b>	<b>123,334</b>	<b>126,523</b>	<b>4,823,925</b>	<b>112,018</b>	<b>122,418</b>
Crabs, natural	20	308	6	65	513	10	59
Lobster meat and specialties	48	2,000	96	418	3,167	152	488
Oyster, specialties	48	4,521	217	420	4,458	214	415
Shrimp, natural (4)	6.75	97,333	657	3,365	36,148	244	1,211
Other	48	15,229	731	1,523	12,083	580	1,386
<b>Total shellfish</b>	--	<b>5,093,524</b>	<b>125,041</b>	<b>132,314</b>	<b>4,880,294</b>	<b>113,218</b>	<b>125,977</b>
<b>Total for human consumption</b>	--	<b>35,077,717</b>	<b>802,229</b>	<b>1,081,457</b>	<b>33,252,328</b>	<b>720,989</b>	<b>1,100,516</b>
<b>For bait and animal food</b>	48	5,838,917	280,268	129,215	7,505,021	360,241	229,109
<b>Grand total</b>	--	<b>40,916,634</b>	<b>1,082,497</b>	<b>1,210,672</b>	<b>40,757,349</b>	<b>1,081,230</b>	<b>1,329,625</b>

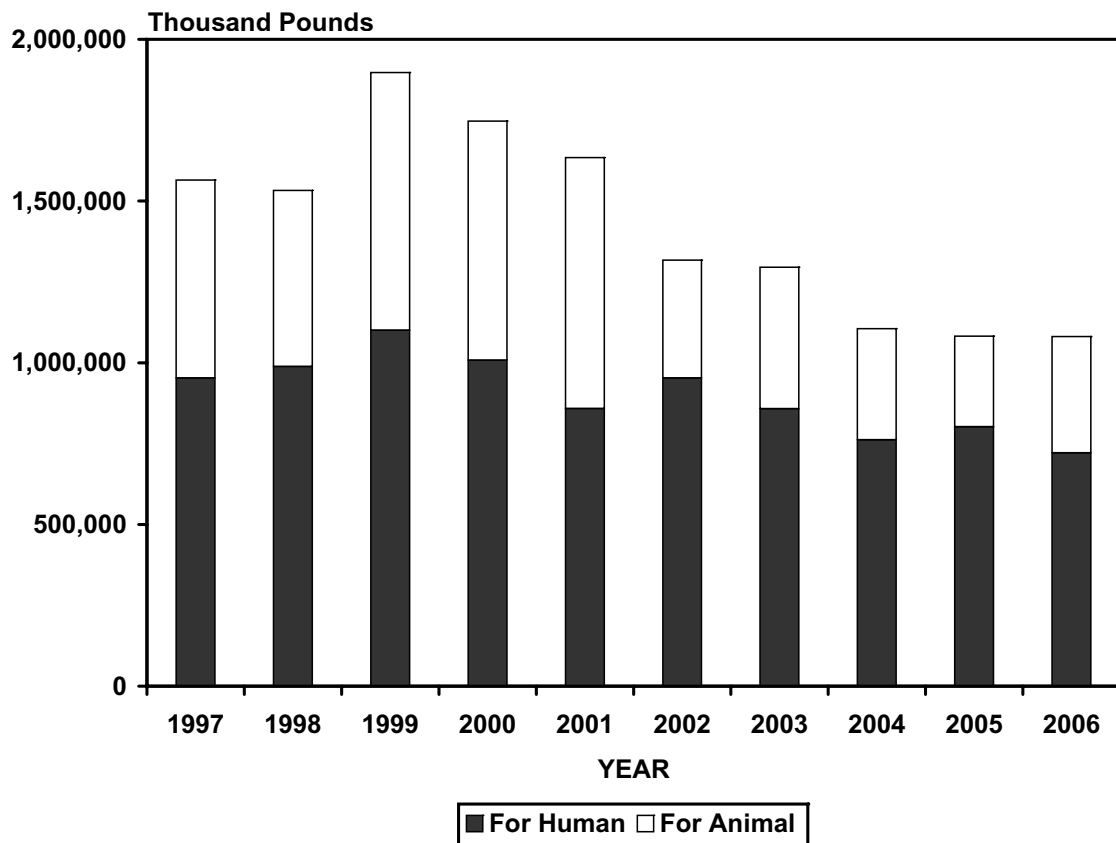
- (1) Revised.
- (2) Flakes included with chunk.
- (3) "Cut out" or "drained" weight of can contents are given for whole or minced clams, and net contents for other clam products.
- (4) Drained weight.
- (5) Confidential included with 'Other.'

# Processed Fishery Products

**PRODUCTION OF CANNED FISHERY PRODUCTS, 1997-2006**

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
1997	952,755	432,167	1,361,437	612,320	277,747	231,756	1,565,075	709,913	1,593,193
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	720,989	327,038	1,100,516	360,241	163,404	229,109	1,081,230	490,443	1,329,625

**Production of Canned Fishery Products, 1997-2006**



# Processed Fishery Products

## PRODUCTION OF MEAL AND OIL, 2005 AND 2006

Product	2005			2006		
	<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	561,117	254,521	123,083	578,207	262,273	151,545
Shellfish	4,052	1,838	338	4,693	2,129	400
<b>Total, scrap and meal</b>	<b>565,169</b>	<b>256,359</b>	<b>123,421</b>	<b>582,900</b>	<b>264,402</b>	<b>151,945</b>
<b>Body oil, total</b>	<b>157,680</b>	<b>71,523</b>	<b>30,914</b>	<b>142,747</b>	<b>64,750</b>	<b>33,767</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, 1997-2006

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 -----						
1997	724,668	328,707	283,379	128,540	229,222	118,128	347,350
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	60,327	246,039

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