

Processed Fishery Products

FRESH AND FROZEN

FISH FILLETS AND STEAKS. In 2009 the U.S. production of raw (uncooked) fish fillets and steaks, including blocks, was 507.6 million pounds—148.0 million pounds less than the 655.6 million pounds in 2008 due primarily to a large decrease in Alaska Pollock along with smaller decreases in various additional species. All fillets and steaks were valued at \$1.2 billion. Despite a decrease of 87.5 million pounds from the 2008 volume, Alaska pollock fillets and blocks led all species with 276.9 million pounds—55 percent of the total. Production of groundfish fillets and steaks (see Glossary Section—Groundfish) was 367.4 million pounds.

FISH STICKS AND PORTIONS. The combined production of fish sticks and portions was 211.1 million pounds valued at \$397.7 million compared with the 2008 production of 287.0 million pounds valued at \$430.8 million. The total production of fish sticks amounted to 70.5 million pounds valued at \$106.8 million. The total production of fish portions amounted to 140.6 million pounds valued at \$290.9 million.

BREADED SHRIMP. The production of breaded shrimp in 2009 was 97.1 million pounds valued at \$251.5 million. This represents an increase from the 2008 production of 74.2 million pounds valued at \$159.4 million.

CANNED PRODUCTS

CANNED FISHERY PRODUCTS. The pack of canned fishery products in the 50 states, American Samoa, and Puerto Rico was 933.4 million pounds valued at \$1.4 billion—decreases from the 2008 pack of 1.3 billion pounds valued at \$1.4 billion. The 2009 pack included 621.7 million pounds with a value of \$1.2 billion for human consumption and 311.7 million pounds valued at \$216.0 million for bait and animal food.

CANNED SALMON. The 2009 U.S. pack of salmon was 141.9 million pounds valued at \$322.3 million, increases from the 2008 levels of 123.9 million pounds valued at \$225.3 million.

CANNED TUNA. The U.S. pack of tuna was 369.7 million pounds valued at \$757.0 million—strong decreases of 104.2 million pounds in quantity and \$87.9 million in value compared with the 2008 pack. The pack of albacore tuna was 162.9 million pounds comprising 44 percent of the tuna pack in 2009. Lightmeat tuna (bigeye, bluefin, skipjack, and yellowfin) comprised the remainder with a pack of 206.8 million pounds.

CANNED CLAMS. The 2009 U.S. pack of clams (whole, minced, chowder, juice, and specialties) was 100.4 million pounds valued at \$88.6 million. The pack of whole and minced clams was 23.3 million pounds. Clam chowder and clam juice was 77.0 million pounds and made up the majority of the pack.

OTHER CANNED ITEMS. The pack of pet food and bait was 311.7 million pounds valued at \$216.0 million—a large decrease in volume and value from the 2008 levels of 601.7 million pounds worth \$231.3 million.

INDUSTRIAL FISHERY PRODUCTS

INDUSTRIAL FISHERY PRODUCTS. The value of the domestic production of industrial fishery products was \$322.2 million—an increase of \$12.3 million compared with the 2008 value and also above recent historical levels.

FISH MEAL. The domestic production of fish and shellfish meal was 560.1 million pounds valued at \$221.9 million—increases of 67.3 million pounds and \$39.9 million compared with 2008. Most of this production was fish meal (560.0 million pounds) while shellfish meal production was 134.0 thousand pounds—a decrease of 942.0 thousand pounds from the 2008 level.

FISH OILS. The domestic production of fish oils was 168.2 million pounds (approximately 21.7 million gallons) valued at \$40.4 million—decreases of 21.9 million pounds and \$22.8 million in value compared with 2008 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 \$59.9 million.

Processed Fishery Products

VALUE OF PROCESSED FISHERY PRODUCTS, 2008 AND 2009 (Processed from domestic catch and imported products)

Item	2008 (1)		2009	
	<u>Thousand dollars</u>	<u>Percent of total</u>	<u>Thousand dollars</u>	<u>Percent of total</u>
Edible:				
Fresh and frozen	7,031,675	78	6,221,882	77
Canned	1,191,214	13	1,191,432	15
Cured	165,795	2	142,106	2
Total edible	8,388,684	94	7,555,420	93
Industrial:				
Bait and animal food	273,611	3	235,257	3
Meal and oil	245,240	3	262,333	3
Other	57,762	1	56,814	1
Total industrial	576,613	6	554,404	7
Grand total	8,965,297	100	8,109,824	100

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

U.S. PRODUCTION OF FISH STICKS, FISH PORTIONS, AND BREADED SHRIMP, 2000-2009

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>
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	82,461	37,404	120,615	204,491	92,757	310,213	74,172	33,644	159,416
2009	70,501	31,979	106,805	140,575	63,764	290,920	97,112	44,050	251,524

Processed Fishery Products

PRODUCTION OF FRESH AND FROZEN FILLETS AND STEAKS, BY SPECIES, 2008 AND 2009

Species	2008 (1)			2009		
	Thousand pounds	Metric tons	Thousand dollars	Thousand pounds	Metric tons	Thousand dollars
Fillets:						
Amberjack	42	19	162	53	24	237
Anglerfish	1,150	522	5,588	907	411	4,065
Bluefish	68	31	222	69	31	229
Cobia	14	6	119	13	6	108
Cod	38,707	17,557	111,605	36,181	16,411	102,053
Cusk	41	19	146	31	14	107
Dolphinfish	5,448	2,471	22,877	3,734	1,694	19,337
Flounders	21,081	9,562	69,447	18,386	8,340	56,457
Groupers	913	414	8,056	903	410	8,129
Haddock	8,852	4,015	44,331	14,145	6,416	59,985
Hake	55,030	24,961	67,191	35,708	16,197	45,733
Halibut	12,173	5,521	86,799	4,471	2,028	31,566
Lingcod	132	60	427	72	33	298
Ocean perch:						
Atlantic	1,189	539	3,032	1,144	519	2,981
Pacific	664	301	1,658	419	190	1,076
Opah	171	77	864	181	82	1,349
Pollock:						
Atlantic	2,830	1,284	7,946	2,798	1,269	7,811
Alaska	364,445	165,311	449,558	276,949	125,623	341,363
Rockfishes	1,674	759	4,267	2,586	1,173	6,412
Sablefish	127	58	1,435	91	41	530
Salmon	68,443	31,046	271,460	70,478	31,969	309,254
Sea bass	536	243	4,945	457	207	3,876
Sea trout	123	56	555	89	40	490
Shark	267	121	884	134	61	409
Snapper	760	345	4,601	524	238	4,397
Striped bass	64	29	661	64	29	620
Swordfish	2,188	992	15,106	1,971	894	14,425
Tilapia	6,861	3,112	20,819	5,819	2,640	17,312
Tuna	10,008	4,540	61,725	5,715	2,592	48,637
Wahoo	444	201	1,917	121	55	863
Wolffish	136	62	814	28	13	110
Unclassified	38,282	17,365	70,682	10,004	4,538	51,580
Total	642,860	291,599	1,339,897	494,243	224,187	1,141,797
Steaks:						
Halibut	2,591	1,175	20,729	2,669	1,211	19,493
Salmon	167	76	972	3,640	1,651	22,476
Swordfish	1,542	699	6,954	1,306	592	5,632
Tuna	3,068	1,391	13,750	2,119	961	9,344
Unclassified	5,377	2,439	10,054	3,625	1,644	6,773
Total	12,744	5,781	52,459	13,359	6,060	63,718
Grand total	655,604	297,380	1,392,356	507,602	230,247	1,205,515

(1) Revised

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

Processed Fishery Products

PRODUCTION OF CANNED FISHERY PRODUCTS, BY SPECIES, 2008 AND 2009

Species	Pounds per case	2008 (1)			2009		
		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	696	31	279	673	30	284
Chum	44.25	135,867	6,012	6,283	73,426	3,249	4,889
Pink	44.25	1,772,506	78,433	113,968	2,078,138	91,958	175,885
Coho	44.25	8,834	391	2,095	8,673	384	828
Sockeye	44.25	882,771	39,063	102,634	1,046,255	46,297	140,399
Total salmon		2,800,673	123,930	225,258	3,207,166	141,917	322,285
Specialties	48	20,406	980	6,249	17,071	819	5,045
Sardines, Maine	23.4	(5)	(5)	(5)	(5)	(5)	(5)
Tuna: (2)							
Albacore:							
Solid	18	8,369,433	150,650	342,636	7,377,583	132,797	362,751
Chunk	18	1,654,106	29,774	62,304	1,672,282	30,101	67,961
Total albacore		10,023,539	180,424	404,940	9,049,865	162,898	430,712
Lightmeat:							
Solid	18	457,956	8,243	18,959	432,017	7,776	20,278
Chunk	18	15,848,556	285,274	421,042	11,058,550	199,054	306,021
Total lightmeat		16,306,512	293,517	440,001	11,490,567	206,830	326,299
Total tuna		26,330,051	473,941	844,941	20,540,432	369,728	757,010
Specialties	48	1,244	60	164	67	3	24
Other	48	169,988	8,159	14,749	145,252	6,972	13,322
Total fish	--	29,322,362	607,069	1,091,361	23,909,987	519,440	1,097,686
Shellfish:							
Clam and clam products: (3)							
Whole and minced	15	1,770,560	26,558	44,300	1,555,073	23,326	39,655
Chowder and juice	30	2,581,573	77,447	49,603	2,565,210	76,956	48,570
Specialties	48	26,315	1,263	1,505	2,608	125	356
Total clams	--	4,378,448	105,269	95,408	4,122,892	100,408	88,580
Crab meat and specialties	20	6,925	135	454	6,451	126	359
Oyster, specialties	48	154	7	133	46	2	38
Shrimp, natural (4)	6.75	(5)	(5)	(5)	(5)	(5)	(5)
Other	48	30,517	1,465	3,857	36,775	1,765	4,768
Total shellfish	--	4,416,044	106,876	99,853	4,166,164	102,301	93,746
Total for human consumption	--	33,738,405	713,945	1,191,214	28,076,151	621,740	1,191,431
For bait and animal food	48	12,534,967	601,678	231,273	6,493,773	311,701	215,986
Grand total	--	46,273,372	1,315,624	1,422,487	34,569,924	933,441	1,407,417

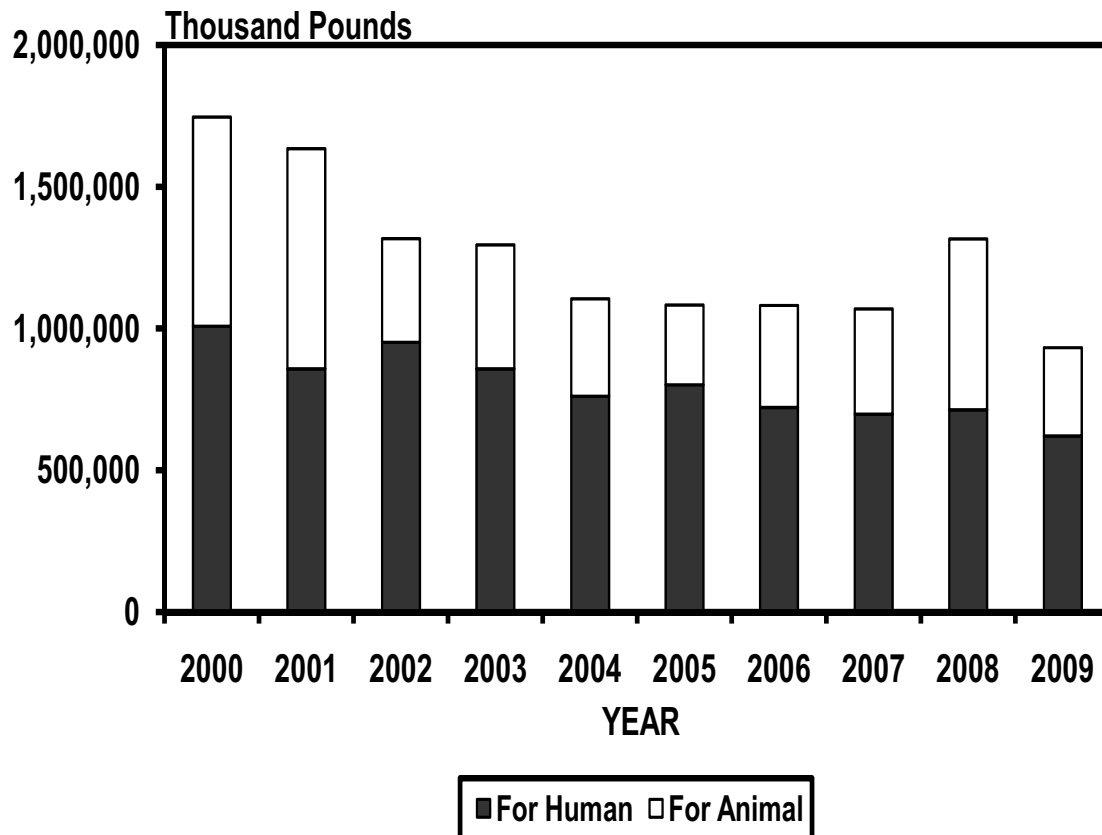
- (1) Revised.
- (2) Flakes included with chunk.
- (3) "Cut out" or "drained" weight of can contents are given for whole or minced clams, and net contents for other clam products.
- (4) Drained weight.
- (5) Confidential included with 'Other.'

Processed Fishery Products

PRODUCTION OF CANNED FISHERY PRODUCTS, 2000-2009

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
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	713,946	323,844	1,191,214	601,678	272,919	231,273	1,315,624	596,763	1,422,487
2009	621,741	282,020	1,191,432	311,701	141,387	215,986	933,442	423,407	1,407,418

Production of Canned Fishery Products, 2000-2009



Processed Fishery Products

PRODUCTION OF MEAL AND OIL, 2008 AND 2009

Product	2008			2009		
	<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	491,752	223,057	181,852	559,982	254,006	221,939
Shellfish	1,076	488	166	134	61	7
Total, scrap and meal	492,828	223,545	182,018	560,116	254,067	221,946
Body oil, total	190,023	86,194	63,223	168,157	76,276	40,388

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, 2000-2009

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 -----						
2000	638,238	289,503	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	64,631	309,871
2009	560,116	254,067	168,157	76,276	262,333	59,878	322,211

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