

Processed Fishery Products

FRESH AND FROZEN

FISH FILLETS AND STEAKS. In 2003 the U.S. production of raw (uncooked) fish fillets and steaks, including blocks, was 611.4 million pounds—94.3 million pounds more than the 517.1 million pounds in 2002. These fillets and steaks were valued at \$1.1 billion. Alaska pollock fillets and blocks led all species with 366.5 million pounds—60 percent of the total. Production of ground-fish fillets and steaks (see Glossary Section-Groundfish) was 465.6 million pounds.

FISH STICKS AND PORTIONS. The combined production of fish sticks and portions was 193.6 million pounds valued at \$261.7 million compared with the 2002 production of 234.3 million pounds valued at \$288.5 million. The total production of fish sticks amounted to 31.5 million pounds valued at \$34.7 million. The total production of fish portions amounted to 162.1 million pounds valued at \$226.9 million.

BREADED SHRIMP. The production of breaded shrimp in 2003 was 152.0 million pounds valued at \$465.3 million, compared with the 2002 production of 146.7 million pounds valued at \$463.8 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 \$1.2 billion—a decrease of 16.2 million pounds and \$65.9 million compared with the 2002 pack. The 2003 pack included 863.7 million pounds valued at \$1.1 billion for human consumption and 437.2 million pounds valued at \$162.7 million for bait and animal food.

CANNED SALMON. The 2003 U.S. pack of salmon was 188.1 million pounds valued at \$242.2 million, compared with 223.7 million pounds valued at \$295.7 million packed in 2002.

CANNED SARDINES. The pack of Maine sardines (small herring) can not be shown due to the confidential nature of the data.

CANNED TUNA. The U.S. pack of tuna was 529.3 million pounds valued at \$668.5 million—a decrease of 17.7 million pounds in quantity and \$6.9 million in value

compared with the 2002 pack. The pack of albacore tuna was 199.1 million pounds comprising 38 percent of the tuna pack in 2003. Lightmeat tuna (bigeye, bluefin, skipjack, and yellowfin) comprised the remainder with a pack of 330.2 million pounds.

CANNED CLAMS. The 2003 U.S. pack of clams (whole, minced, chowder, juice, and specialties) was 126.0 million pounds valued at \$112.9 million. The pack of whole and minced clams was 38.7 million pounds and accounted for 31 percent of the total clam pack. Clam chowder and clam juice was 79.5 million pounds and made up the majority of the pack.

OTHER CANNED ITEMS. The pack of pet food was 437.2 million pounds valued at \$162.7 million—an increase of 72.7 million pounds compared with the 2002 pack.

INDUSTRIAL FISHERY PRODUCTS

INDUSTRIAL FISHERY PRODUCTS. The value of the domestic production of industrial fishery products was \$222.0 million—a decrease of \$11.1 million compared with the 2002 value of \$233.0 million

FISH MEAL. The domestic production of fish and shellfish meal was 602.8 million pounds valued at \$134.0 million—a decrease of 35.1 million pounds and \$5.7 million compared with 2002. Fish meal production was 596.1 million pounds valued at \$133.6 million—a decrease of 37.4 million pounds and \$5.8 million from the 2002 production. Shellfish meal production was 6.7 million pounds—an increase of 2.3 million pounds from the 2002 level.

FISH OILS. The domestic production of fish oils was 195.7 million pounds valued at \$34.4 million—a decrease of 15.2 million pounds and \$7.0 million in value compared with 2002 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, pearl essence, and mussel shell buttons were valued at \$53.5 million, compared with \$51.9 million in 2002—a decrease of \$1.6 million.

Processed Fishery Products

VALUE OF PROCESSED FISHERY PRODUCTS, 2002 AND 2003 (Processed from domestic catch and imported products)

Item	2002 (1)		2003	
	<u>Thousand dollars</u>	<u>Percent of total</u>	<u>Thousand dollars</u>	<u>Percent of total</u>
Edible:				
Fresh and frozen	5,984,644	78	5,438,378	78
Canned	1,150,224	15	1,061,211	15
Cured	165,587	2	119,645	2
Total edible	7,300,455	95	6,619,234	95
Industrial:				
Bait and animal food (canned)	139,618	2	162,691	2
Meal and oil	181,129	2	168,446	2
Other	51,886	1	53,514	1
Total industrial	372,633	5	384,651	5
Grand total	7,673,088	100	7,003,885	100

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

U.S. PRODUCTION OF FISH STICKS, FISH PORTIONS, AND BREADED SHRIMP, 1994-2003

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>
1994	58,789	26,667	51,429	196,289	89,036	268,353	113,461	51,466	304,931
1995	74,066	33,596	73,478	251,217	113,951	356,518	100,522	45,596	299,355
1996	65,244	29,594	55,802	213,962	97,053	306,501	108,486	49,209	341,770
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	226,916	152,032	68,961	465,347

Processed Fishery Products

PRODUCTION OF FRESH AND FROZEN FILLETS AND STEAKS, BY SPECIES, 2002 AND 2003

Species	2002 (1)			2003		
	<u>Thousand pounds</u>	<u>Metric tons</u>	<u>Thousand dollars</u>	<u>Thousand pounds</u>	<u>Metric tons</u>	<u>Thousand dollars</u>
Fillets:						
Amberjack	124	56	446	62	28	272
Anglerfish	1,384	628	3,584	1,374	623	3,282
Bluefish	365	166	712	263	119	536
Cod	50,469	22,893	154,558	56,217	25,500	171,823
Cusk	82	37	271	56	25	197
Dolphin	4,163	1,888	13,963	4,772	2,165	16,435
Drum	10	5	43	14	6	69
Flounders	25,430	11,535	73,151	20,797	9,433	62,004
Groupers	1,846	837	13,027	2,177	987	12,803
Haddock	7,781	3,529	32,353	8,321	3,774	34,539
Hake	13,950	6,328	10,926	25,734	11,673	19,755
Halibut	2,505	1,136	14,768	3,912	1,774	21,806
Lingcod	173	78	455	181	82	557
Marlins	78	35	457	63	29	224
Ocean perch:						
Atlantic	401	182	1,121	836	379	2,502
Pacific	682	309	1,432	1,212	550	2,581
Pollock:						
Atlantic	4,006	1,817	10,620	6,686	3,033	10,138
Alaska	307,796	139,615	330,229	366,526	166,255	394,771
Rockfishes	6,787	3,079	15,063	5,120	2,322	11,814
Sablefish	411	186	1,678	382	173	1,417
Salmon	30,988	14,056	85,756	42,908	19,463	117,444
Sea bass	594	269	3,925	1,616	733	6,089
Sea trout	193	88	776	174	79	834
Shark	486	220	1,002	496	225	1,033
Snapper	883	401	5,442	886	402	6,119
Swordfish	5,001	2,268	28,971	3,262	1,480	20,334
Tilapia	860	390	2,484	1,181	536	3,466
Tuna	7,594	3,445	46,387	5,929	2,689	37,856
Wahoo	155	70	1,030	143	65	910
Whitefish	272	123	879	129	59	351
Wolffish	94	43	164	68	31	141
Unclassified	19,408	8,803	63,958	25,156	11,411	94,098
Total	494,971	224,517	919,631	586,653	266,104	1,056,200
Steaks:						
Halibut	5,282	2,396	22,720	4,961	2,250	24,046
Salmon	2,817	1,278	7,744	4,234	1,921	14,101
Swordfish	2,196	996	8,482	1,855	841	6,996
Tuna	4,766	2,162	14,891	5,071	2,300	15,530
Unclassified	7,067	3,206	7,877	8,660	3,928	8,858
Total	22,128	10,037	61,714	24,781	11,241	69,531
Grand total	517,099	234,555	981,345	611,434	277,345	1,125,731

(1) Revised

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

Processed Fishery Products

PRODUCTION OF CANNED FISHERY PRODUCTS, BY SPECIES, 2002 AND 2003

Species	Pounds per case	2002 (1)			2003		
		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	3,819	169	350	1,898	84	289
Chum	44.25	149,966	6,636	5,030	108,316	4,793	3,595
Pink	44.25	3,539,864	156,639	142,747	2,977,808	131,768	113,425
Coho	44.25	43,910	1,943	3,076	39,164	1,733	2,015
Sockeye	44.25	1,317,989	58,321	144,495	1,122,983	49,692	122,843
Total salmon		5,055,548	223,708	295,698	4,250,169	188,070	242,167
Specialties	48	15,583	748	5,540	14,104	677	4,980
Sardines, Maine	23.4	(5)	(5)	(5)	(5)	(5)	(5)
Tuna: (2)							
Albacore:							
Solid	18	10,009,500	180,171	317,128	9,445,389	170,017	319,518
Chunk	18	1,549,167	27,885	38,930	1,614,444	29,060	47,367
Total albacore		11,558,667	208,056	356,058	11,059,833	199,077	366,885
Lightmeat:							
Solid	18	1,001,278	18,023	19,374	280,056	5,041	7,933
Chunk	18	17,827,278	320,891	299,950	18,066,222	325,192	293,682
Total lightmeat		18,828,556	338,914	319,324	18,346,278	330,233	301,615
Total tuna		30,387,222	546,970	675,382	29,406,111	529,310	668,500
Specialties	48	229	11	92	208	10	91
Other	48	660,313	31,695	39,298	321,188	15,417	22,198
Total fish	--	36,118,895	803,132	1,016,010	33,991,781	733,484	937,936
Shellfish:							
Clam and clam products: (3)							
Whole and minced	15	2,694,800	40,422	64,581	2,582,800	38,742	63,875
Chowder and juice	30	3,075,133	92,254	46,832	2,651,200	79,536	42,398
Specialties	48	160,896	7,723	6,720	161,375	7,746	6,660
Total clams	--	5,930,829	140,399	118,133	5,395,375	126,024	112,933
Crabs, natural	20	1,077	21	269	821	16	256
Lobster meat and specialties	48	9,313	447	606	11,063	531	788
Oyster, specialties	48	9,708	466	184	9,125	438	181
Shrimp, natural (4)	6.75	260,000	1,755	9,207	155,704	1,051	5,184
Other	48	133,417	6,404	5,815	45,875	2,202	3,933
Total shellfish	--	6,344,344	149,492	134,214	5,617,962	130,262	123,275
Total for human consumption	--	42,463,239	952,624	1,150,224	39,609,742	863,746	1,061,211
For bait and animal food	48	7,594,708	364,546	139,618	9,108,521	437,209	162,691
Grand total	--	50,057,947	1,317,170	1,289,842	48,718,263	1,300,955	1,223,902

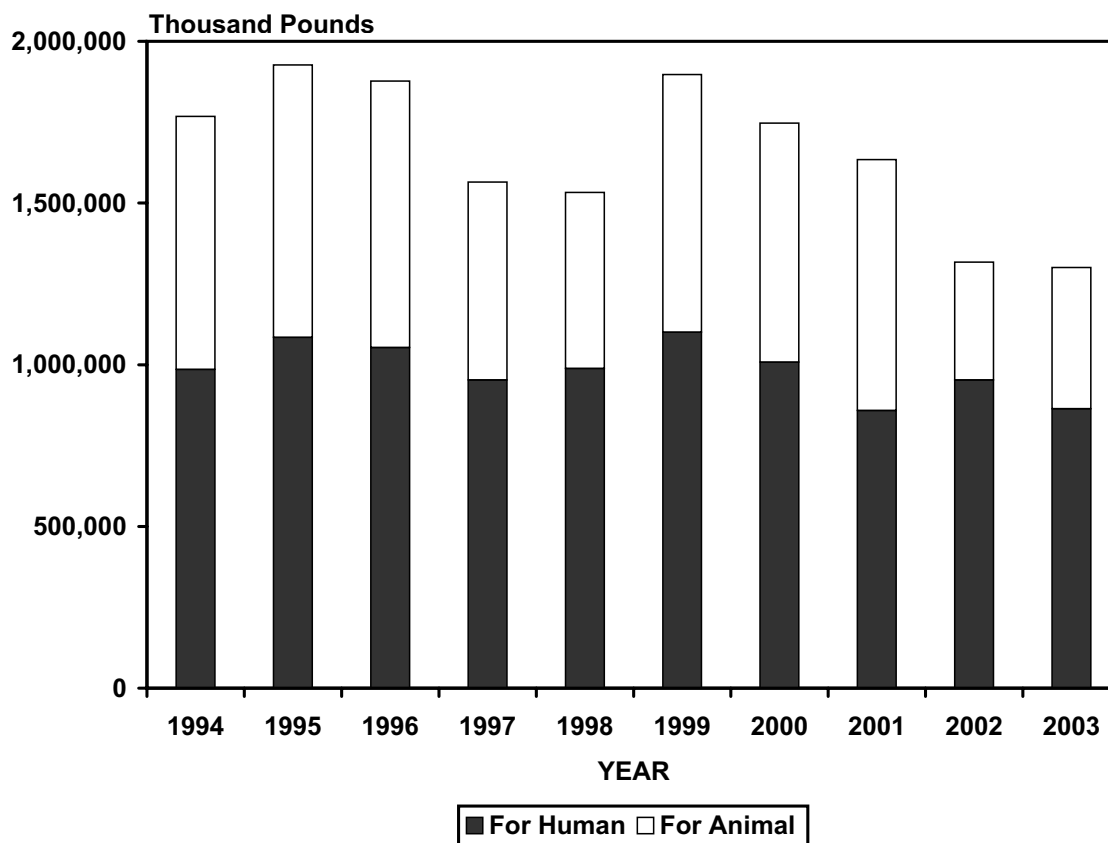
- (1) Revised.
- (2) Flakes included with chunk.
- (3) "Cut out" or "drained" weight of can contents are given for whole or minced clams, and net contents for other clam products.
- (4) Drained weight.
- (5) Confidential included with 'Other.'

Processed Fishery Products

PRODUCTION OF CANNED FISHERY PRODUCTS, 1994-2003

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
1994	985,675	447,099	1,470,234	782,272	354,836	325,264	1,767,947	801,935	1,795,498
1995	1,084,866	492,092	1,544,208	842,351	382,088	342,842	1,927,217	874,180	1,887,050
1996	1,052,909	477,596	1,428,937	824,094	373,807	370,945	1,877,003	851,403	1,799,882
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	863,746	391,793	1,061,211	437,209	198,317	162,691	1,300,955	590,109	1,223,902

Production of Canned Fishery Products, 1994-2003



Processed Fishery Products

PRODUCTION OF MEAL AND OIL, 2002 AND 2003

Product	2002			2003		
	<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	633,439	287,326	139,406	596,087	270,383	133,596
Shellfish	4,491	2,037	293	6,744	3,059	439
Total, scrap and meal	637,930	289,363	139,699	602,831	273,442	134,035
Body oil, total	210,867	95,649	41,430	195,699	88,768	34,411

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, 1994-2003

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 -----		
1994	807,833	366,431	291,882	132,397	186,222	61,992	248,214
1995	667,240	302,658	241,941	109,744	172,279	74,264	246,543
1996	643,124	291,719	248,399	112,673	187,968	85,583	273,551
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	602,831	273,442	195,699	88,768	168,446	53,514	221,960

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