

Processed Fishery Products

FRESH AND FROZEN

FISH FILLETS AND STEAKS. In 2001 the U.S. production of raw (uncooked) fish fillets and steaks, including blocks, was 476.9 million pounds—109.2 million pounds more than the 367.7 million pounds in 2000. These fillets and steaks were valued at \$915.0 million. Alaska pollock fillets and blocks led all species with 271.3 million pounds—57 percent of the total. Production of groundfish fillets and steaks (see Glossary Section—Groundfish) was 336.8 million pounds.

FISH STICKS AND PORTIONS. The combined production of fish sticks and portions was 232.2 million pounds valued at \$276.7 million compared with the 2000 production of 222.7 million pounds valued at \$275.9 million.

The total production of fish sticks amounted to 43.0 million pounds valued at \$41.5 million. The total production of fish portions amounted to 189.2 million pounds valued at \$235.2 million.

BREADED SHRIMP. The production of breaded shrimp in 2001 was 152.2 million pounds valued at \$539.6 million, compared with the 2000 production of 121.4 million pounds valued at \$375.5 million.

FROZEN FISHERY TRADE. In 2001, stocks of frozen fishery products in cold storage were at a low of 313.6 million pounds on July 31 and a high of 399.1 million pounds on November 30. Cold storage holdings of shrimp products were at a high of 57.1 million pounds on December 31 and a low of 33.3 million pounds on August 31. Holdings of saltwater fillets and steaks reached a high of 90.9 million pounds on April 30 and were at a low of 66.6 million pounds on July 31. Holdings of blocks and slabs were at a high of 44.6 million pounds on December 31 and a low of 22.5 million pounds on March 31. Surimi reached a high of 19.7 million pounds on March 31 and was at a low of 13.1 million pounds on December 31. Analog Products reached a high of 11.3 million pounds on October 31 and a low of 4.6 million pounds on February 28.

CANNED PRODUCTS

CANNED FISHERY PRODUCTS. The pack of canned fishery products in the 50 states, American Samoa, and Puerto Rico was 1.7 billion pounds valued at \$1.4 billion—a decrease of 83.0 million pounds and \$224.1 million compared with the 2000 pack. The 2001

pack included 885.3 million pounds valued at \$1.1 billion for human consumption and 778.6 million pounds valued at \$290.8 million for bait and animal food.

CANNED SALMON. The 2001 U.S. pack of salmon was 211.8 million pounds valued at \$258.9 million, compared with 171.1 million pounds valued at \$287.9 million packed in 2000.

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 507.4 million pounds valued at \$658.2 million—a decrease of 163.9 million pounds in quantity and \$197.4 million in value compared with the 2000 pack. The pack of albacore tuna was 184.1 million pounds comprising 36 percent of the tuna pack in 2001. Lightmeat tuna (bigeye, bluefin, skipjack, and yellowfin) comprised the remainder with a pack of 323.3 million pounds.

CANNED CLAMS. The 2001 U.S. pack of clams (whole, minced, chowder, juice, and specialties) was 126.2 million pounds valued at \$124.5 million. The pack of whole and minced clams was 41.7 million pounds and accounted for 33 percent of the total clam pack. Clam chowder and clam juice was 76.6 million pounds and made up the majority of the pack.

OTHER CANNED ITEMS. The pack of pet food was 778.6 million pounds valued at \$290.8 million—an increase of 39.8 million pounds compared with the 2000 pack.

INDUSTRIAL FISHERY PRODUCTS

INDUSTRIAL FISHERY PRODUCTS. The value of the domestic production of industrial fishery products was \$229.5 million—an increase of \$10.7 million compared with the 2000 value of \$218.8 million.

FISH MEAL. The domestic production of fish and shellfish meal was 644.0 million pounds valued at \$126.2 million—an increase of 5.8 million pounds, and \$11.3 million compared with 2000. Fish meal production was 635.9 million pounds valued at \$125.7 million—an increase of 8.8 million pounds and \$11.4 million from the 2000 production. Shellfish meal production was 8.0 million pounds—a decrease of 3.0 million pounds from the 2000 level.

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FISH OILS. The domestic production of fish oils was 279.4 million pounds valued at \$47.7 million—an increase of 87.1 million pounds and \$26.7 million in value compared with 2000 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 \$55.6 million, compared with \$83.0 million in 2000—a decrease of \$27.4 million

VALUE OF PROCESSED FISHERY PRODUCTS, 2000 AND 2001
(Processed from domestic catch and imported products)

Item	2000 (1)		2001	
	<u>Thousand dollars</u>	<u>Percent of total</u>	<u>Thousand dollars</u>	<u>Percent of total</u>
Edible:				
Fresh and frozen	6,062,616	75	5,562,973	76
Canned	1,334,012	16	1,111,072	15
Cured	179,144	2	160,637	2
Total edible	7,575,772	94	6,834,682	93
Industrial:				
Bait and animal food (canned)	291,992	4	290,840	4
Meal and oil	135,815	2	173,908	2
Other	83,023	1	55,628	1
Total industrial	510,830	6	520,376	7
Grand total	8,086,602	100	7,355,058	100

(1) Revised. May not add due to rounding. Value is based on selling price at the plant.

U.S. PRODUCTION OF FISH STICKS, FISH PORTIONS, AND BREADED SHRIMP, 1992-2001

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>
1992	58,295	26,442	56,020	194,307	88,137	296,214	122,266	55,459	350,497
1993	67,959	30,826	67,975	206,165	93,516	313,195	111,489	50,571	316,722
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	235,192	152,192	69,034	539,631

Processed Fishery Products

PRODUCTION OF FRESH AND FROZEN FILLETS AND STEAKS, BY SPECIES, 2000 AND 2001

Species	2000 (1)			2001		
	Thousand pounds	Metric tons	Thousand dollars	Thousand pounds	Metric tons	Thousand dollars
Fillets:						
Amberjack	104	47	419	110	50	426
Anglerfish	2,624	1,190	7,514	1,981	899	5,526
Bluefish	96	44	253	234	106	662
Cod	55,599	25,220	166,576	40,106	18,192	123,278
Cusk	79	36	276	70	32	240
Dolphin	3,329	1,510	13,647	3,738	1,696	15,623
Drum	7	3	29	7	3	30
Flounders	26,620	12,075	71,454	30,558	13,861	75,977
Groupers	1,771	803	12,389	2,881	1,307	18,698
Haddock	5,804	2,633	23,780	6,330	2,871	27,088
Hake	8,279	3,755	6,149	14,287	6,481	9,595
Halibut	2,852	1,294	16,516	3,496	1,586	18,080
Lingcod	183	83	526	248	112	670
Marlins	440	200	1,404	161	73	682
Ocean perch:						
Atlantic	464	210	1,416	400	181	1,214
Pacific	2,181	989	4,963	1,914	868	4,405
Pollock:						
Atlantic	1,893	859	3,976	2,474	1,122	7,560
Alaska	159,754	72,464	177,916	271,254	123,040	296,456
Rockfishes	10,583	4,800	24,559	9,200	4,173	21,370
Sablefish	188	85	806	92	42	455
Salmon	23,749	10,772	67,368	29,827	13,529	83,390
Sea bass	405	184	2,757	477	216	3,251
Sea trout	157	71	681	177	80	757
Shark	683	310	1,639	556	252	1,401
Snapper	1,731	785	11,194	1,184	537	7,458
Swordfish	5,335	2,420	31,407	3,910	1,774	24,425
Tilapia	673	305	1,837	1,180	535	3,430
Tuna	7,178	3,256	47,449	7,089	3,216	49,627
Wahoo	215	98	1,155	155	70	907
Whitefish	801	363	2,124	289	131	1,104
Wolffish	68	31	169	76	34	222
Unclassified	11,986	5,437	39,030	12,404	5,626	41,207
Total	335,831	152,332	741,378	446,865	202,697	845,214
Steaks:						
Halibut	8,049	3,651	34,459	6,926	3,142	27,732
Salmon	1,977	897	6,840	2,178	988	6,942
Swordfish	2,736	1,241	11,944	1,771	803	7,496
Tuna	4,069	1,846	12,934	3,837	1,740	11,860
Unclassified	15,018	6,812	15,838	15,283	6,932	15,743
Total	31,849	14,447	82,015	29,995	13,606	69,773
Grand total	367,680	166,779	823,393	476,860	216,302	914,987

(1) Revised

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

Processed Fishery Products

PRODUCTION OF CANNED FISHERY PRODUCTS, BY SPECIES, 2000 AND 2001

Species	Pounds per case	2000 (1)			2001		
		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	2,689	119	146	4,181	185	312
Chum	44.25	192,814	8,532	6,406	92,814	4,107	2,973
Pink	44.25	2,352,972	104,119	111,517	3,759,842	166,373	166,932
Coho	44.25	75,684	3,349	5,624	73,311	3,244	5,162
Sockeye	44.25	1,243,073	55,006	164,171	855,955	37,876	83,570
Total salmon		3,867,232	171,125	287,864	4,786,102	211,785	258,949
Specialties	48	16,104	773	6,214	15,167	728	5,721
Sardines, Maine	23.4	(5)	(5)	(5)	(5)	(5)	(5)
Tuna: (2)							
Albacore:							
Solid	18	8,888,056	159,985	334,573	8,502,111	153,038	314,267
Chunk	18	1,815,667	32,682	58,408	1,725,000	31,050	57,251
Total albacore		10,703,722	192,667	392,981	10,227,111	184,088	371,518
Lightmeat:							
Solid	18	424,667	7,644	10,590	391,389	7,045	9,228
Chunk	18	26,168,333	471,030	451,964	17,571,333	316,284	277,409
Total lightmeat		26,593,000	478,674	462,554	17,962,722	323,329	286,637
Total tuna		37,296,722	671,341	855,535	28,189,833	507,417	658,155
Specialties	48	833	40	351	917	44	378
Other	48	624,313	29,967	44,374	650,354	31,217	46,159
Total fish	--	41,805,204	873,246	1,194,338	33,642,373	751,191	969,362
Shellfish:							
Clam and clam products: (3)							
Whole and minced	15	2,859,400	42,891	70,885	2,777,400	41,661	74,561
Chowder and juice	30	2,487,833	74,635	41,491	2,554,433	76,633	42,824
Specialties	48	191,083	9,172	7,399	165,604	7,949	7,134
Total clams	--	5,538,317	126,698	119,775	5,497,438	126,243	124,519
Crabs, natural	20	1,590	31	374	308	6	109
Lobster meat and specialties	48	12,125	582	662	8,292	398	538
Oyster, specialties	48	8,938	429	628	11,896	571	817
Shrimp, natural (4)	6.75	282,963	1,910	11,430	235,852	1,592	10,098
Other	48	108,375	5,202	6,805	111,375	5,346	5,629
Total shellfish	--	5,952,307	134,852	139,674	5,865,160	134,156	141,710
Total for human consumption	--	47,757,511	1,008,098	1,334,012	39,507,532	885,347	1,111,072
For bait and animal food	48	15,392,104	738,821	291,992	16,220,688	778,593	290,840
Grand total	--	63,149,615	1,746,919	1,626,004	55,728,220	1,663,940	1,401,912

(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.

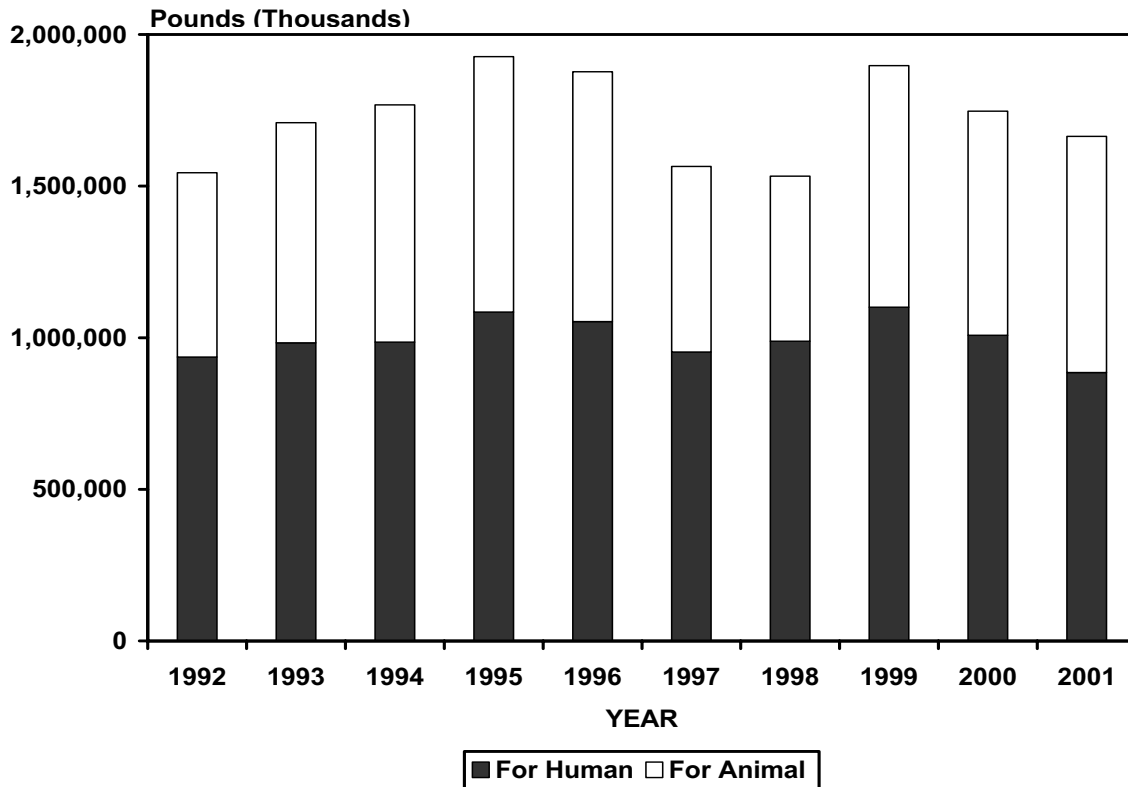
(5) Confidential included with 'Other.'

Processed Fishery Products

PRODUCTION OF CANNED FISHERY PRODUCTS, 1992-2001

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
1992	936,117	424,620	1,330,173	607,678	275,641	247,261	1,543,795	700,261	1,577,434
1993	983,225	445,988	1,375,377	725,822	329,231	312,597	1,709,047	775,219	1,687,974
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	885,347	401,591	1,111,072	778,593	353,167	290,840	1,663,940	754,758	1,401,912

Production of Canned Fishery Products, 1992-2001



Processed Fishery Products

PRODUCTION OF MEAL AND OIL, 2000 AND 2001

Product	2000			2001		
	<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	627,180	284,487	114,247	635,945	288,463	125,679
Shellfish	11,064	5,019	654	8,049	3,651	567
Total, scrap and meal	638,244	289,506	114,901	643,994	292,114	126,246
Body oil, total	192,348	87,248	20,914	279,416	126,742	47,662

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, 1992-2001

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 -----		
1992	644,512	292,349	184,725	83,791	157,693	45,310	203,003
1993	750,744	340,535	293,452	133,109	182,170	43,689	225,859
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	643,994	292,114	279,416	126,742	173,908	55,628	229,536

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