

# Processed Fishery Products

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## FRESH AND FROZEN

**FISH FILLETS AND STEAKS.** In 2000 the U.S. production of raw (uncooked) fish fillets and steaks, including blocks, was 369.3 million pounds--7.0 million pounds less than the 362.3 million pounds in 1999. These fillets and steaks were valued at \$829.5 million. Alaska pollock fillets and blocks led all species with 160.1 million pounds--43 percent of the total. Production of groundfish fillets and steaks was 233.2 million pounds.

**FISH STICKS AND PORTIONS.** The combined production of fish sticks and portions was 227.2 million pounds valued at \$283.4 million compared with the 1999 production of 268.3 million pounds valued at \$332.5 million.

The total production of fish sticks amounted to 40.5 million pounds valued at \$43.1 million. The total production of fish portions amounted to 186.7 million pounds valued at \$240.3 million.

**BREADED SHRIMP.** The production of breaded shrimp in 2000 was 121.5 million pounds valued at \$375.9 million, compared with the 1999 production of 119.1 million pounds valued at \$351.9 million.

**FROZEN FISHERY TRADE.** In 2000, stocks of frozen fishery products in cold storage were at a low of 342.7 million pounds on June 30 and a high of 416.0 million pounds on October 31. Cold storage holdings of shrimp products were at a high of 53.8 million pounds on January 31 and a low of 35.6 million pounds on June 30. Holdings of saltwater fillets and steaks reached a high of 119.5 million pounds on April 30 and were at a low of 80.0 million pounds on January 31. Holdings of blocks and slabs were at a high of 43.7 million pounds on January 31 and a low of 21.7 million pounds on November 30. Surimi reached a high of 20.4 million pounds on November 30 and was at a low of 11.6 million pounds on February 29. Analog Products reached a high of 6.3 million pounds on November 30 and a low of 4.4 million pounds on March 31.

## 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 \$1.6 billion--a decrease of 152.7 million pounds and \$238.9 million compared with the 1999 pack. The 2000 pack included 1.0 billion pounds valued at \$1.3 billion for human consump-

tion and 738.8 million pounds valued at \$292.0 million for bait and animal food.

**CANNED SALMON.** The 2000 U.S. pack of salmon was 171.1 million pounds valued at \$287.9 million, compared with 234.2 million pounds valued at \$393.1 million packed in 1999.

**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 671.3 million pounds valued at \$855.4 million--a decrease of 22.5 million pounds in quantity and \$90.3 million in value compared with the 1999 pack. The pack of albacore tuna was 192.7 million pounds comprising 29 percent of the pack in 2000. Lightmeat tuna (bigeye, bluefin, skipjack, and yellowfin) comprised the remainder with a pack of 478.7 million pounds.

**CANNED CLAMS.** The 2000 U.S. pack of clams (whole, minced, chowder, juice, and specialties) was 124.8 million pounds valued at \$117.3 million. The pack of whole and minced clams was 42.7 million pounds and accounted for 34 percent of the total clam pack. Clam chowder and clam juice was 73.2 million pounds and made up the majority of the pack.

**OTHER CANNED ITEMS.** The pack of pet food was 738.8 million pounds valued at \$292.0 million--a decrease of 57.9 million pounds compared with the 1999 pack.

## INDUSTRIAL FISHERY PRODUCTS

**INDUSTRIAL FISHERY PRODUCTS.** The value of the domestic production of industrial fishery products was \$218.1 million--a decrease of \$50.1 million compared with the 1999 value of \$268.2 million.

**FISH MEAL.** The domestic production of fish and shellfish meal was 638.2 million pounds valued at \$114.9 million--a decrease of 48.0 million pounds and \$32.1 million compared with 1999. Fish meal production was 627.2 million pounds valued at \$114.2 million--a decrease of 44.6 million pounds and \$31.9 million from the 1999 production. Shellfish meal production was 11.1 million pounds--a decrease of 3.4 million pounds from the 1999.

**FISH OILS.** The domestic production of fish oils was 192.3 million pounds valued at \$20.9 million--a decrease

# Processed Fishery Products

of 93.8 million pounds and \$21.0 million in value compared with 1999 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 \$82.3 million, compared with \$79.3 million in 1999--an increase of \$3.0 million.

## VALUE OF PROCESSED FISHERY PRODUCTS, 1999 AND 2000 (Processed from domestic catch and imported products)

Item	1999 (1)		2000	
	<u>Thousand dollars</u>	<u>Percent of total</u>	<u>Thousand dollars</u>	<u>Percent of total</u>
<b>Edible:</b>				
Fresh and frozen	5,051,343	69	5,275,955	73
Canned	1,521,880	21	1,330,520	18
Cured	151,802	2	121,008	2
<b>Total edible</b>	<b>6,725,025</b>	<b>92</b>	<b>6,727,483</b>	<b>93</b>
<b>Industrial:</b>				
Bait and animal food (canned)	339,548	5	291,992	4
Meal and oil	188,854	3	135,815	2
Other	79,325	1	82,273	1
<b>Total industrial</b>	<b>607,727</b>	<b>8</b>	<b>510,080</b>	<b>7</b>
<b>Grand total</b>	<b>7,332,752</b>	<b>100</b>	<b>7,237,563</b>	<b>100</b>

(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, 1991-2000

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>
1991	63,286	28,706	77,877	204,697	92,850	313,400	116,335	52,769	335,880
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	40,472	18,358	43,092	186,691	84,682	240,316	121,541	55,131	375,929

# Processed Fishery Products

## PRODUCTION OF FRESH AND FROZEN FILLETS AND STEAKS, BY SPECIES, 1999 AND 2000

Species	1999 (1)			2000		
	Thousand pounds	Metric tons	Thousand dollars	Thousand pounds	Metric tons	Thousand dollars
<b>Fillets:</b>						
Amberjack	157	71	673	180	82	769
Anglerfish	2,620	1,188	8,651	2,712	1,230	7,701
Bluefish	136	62	354	112	51	236
Cod	61,321	27,815	108,496	55,512	25,180	164,936
Cusk	115	52	383	82	37	293
Dolphin	3,088	1,401	14,166	3,391	1,538	14,703
Drum	58	26	219	7	3	29
Flounders	22,939	10,405	66,746	27,082	12,284	72,311
Groupers	1,767	802	11,670	1,907	865	13,292
Haddock	4,818	2,185	20,455	4,683	2,124	20,752
Hake	4,877	2,212	6,192	8,400	3,810	6,354
Halibut	3,928	1,782	21,220	3,061	1,388	16,078
Lingcod	307	139	905	188	85	540
Marlins	611	277	1,876	632	287	1,769
Ocean perch:						
Atlantic	738	335	2,445	503	228	1,503
Pacific	1,456	660	3,088	2,181	989	4,963
Pollock:						
Atlantic	1,644	746	3,725	1,703	772	3,655
Alaska	143,796	65,225	168,476	160,122	72,631	178,594
Rockfishes	10,809	4,903	23,096	10,845	4,919	25,109
Sablefish	22	10	92	188	85	806
Salmon	27,709	12,569	77,479	23,399	10,614	66,688
Sea bass	567	257	4,111	395	179	2,705
Sea trout	215	98	872	157	71	681
Shark	1,024	464	2,355	770	349	1,925
Snapper	1,510	685	9,632	1,688	766	11,600
Swordfish	8,892	4,033	43,269	5,251	2,382	29,284
Tilapia	629	285	1,791	673	305	1,837
Tuna	11,632	5,276	73,888	8,536	3,872	54,741
Wahoo	263	119	1,327	248	112	1,328
Whitefish	919	417	2,371	804	365	2,142
Wolffish	82	37	202	48	22	125
Unclassified	18,390	8,342	58,441	12,037	5,460	41,319
<b>Total</b>	<b>337,039</b>	<b>152,880</b>	<b>738,666</b>	<b>337,497</b>	<b>153,088</b>	<b>748,768</b>
<b>Steaks:</b>						
Halibut	6,724	3,050	27,155	8,045	3,649	34,333
Salmon	1,244	564	3,112	1,973	895	6,826
Swordfish	3,092	1,403	13,633	2,735	1,241	11,301
Tuna	4,368	1,981	14,457	4,039	1,832	12,457
Unclassified	9,836	4,462	9,752	15,022	6,814	15,849
<b>Total</b>	<b>25,264</b>	<b>11,460</b>	<b>68,109</b>	<b>31,814</b>	<b>14,431</b>	<b>80,766</b>
<b>Grand total</b>	<b>362,303</b>	<b>164,340</b>	<b>806,775</b>	<b>369,311</b>	<b>167,518</b>	<b>829,534</b>

(1) Revised.

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

# Processed Fishery Products

## PRODUCTION OF CANNED FISHERY PRODUCTS, BY SPECIES, 1999 AND 2000

Species	Pounds per case	1999 (1)			2000		
		Standard cases	Thousand pounds	Thousand dollars	Standard cases	Thousand pounds	Thousand dollars
<b>For human consumption:</b>							
<b>Fish:</b>							
Herring	23.4	158,846	3,717	6,709	(5)	(5)	(5)
<b>Salmon:</b>							
Chinook	44.25	2,644	117	290	2,689	119	146
Chum	44.25	171,322	7,581	6,079	192,814	8,532	6,406
Pink	44.25	3,904,068	172,755	195,269	2,352,972	104,119	111,517
Coho	44.25	42,305	1,872	3,834	75,684	3,349	5,624
Sockeye	44.25	1,171,299	51,830	187,600	1,243,073	55,006	164,171
<b>Total salmon</b>		<b>5,291,638</b>	<b>234,155</b>	<b>393,072</b>	<b>3,867,232</b>	<b>171,125</b>	<b>287,864</b>
Specialties	48	13,188	633	6,526	15,958	766	6,204
Sardines, Maine	23.4	513,547	12,017	20,107	(5)	(5)	(5)
<b>Tuna: (2)</b>							
<b>Albacore:</b>							
Solid	18	10,061,333	181,104	349,891	8,887,444	159,974	334,473
Chunk	18	1,784,389	32,119	61,731	1,815,667	32,682	58,408
<b>Total albacore</b>		<b>11,845,722</b>	<b>213,223</b>	<b>411,622</b>	<b>10,703,111</b>	<b>192,656</b>	<b>392,881</b>
<b>Lightmeat:</b>							
Solid	18	624,389	11,239	16,536	424,667	7,644	10,590
Chunk	18	26,075,222	469,354	517,623	26,168,333	471,030	451,964
<b>Total lightmeat</b>		<b>26,699,611</b>	<b>480,593</b>	<b>534,159</b>	<b>26,593,000</b>	<b>478,674</b>	<b>462,554</b>
<b>Total tuna</b>		<b>38,545,333</b>	<b>693,816</b>	<b>945,781</b>	<b>37,296,111</b>	<b>671,330</b>	<b>855,435</b>
Specialties	48	563	27	173	625	30	251
Other	48	322,833	15,496	18,269	623,458	29,926	44,331
<b>Total fish</b>	--	<b>44,845,948</b>	<b>959,861</b>	<b>1,390,637</b>	<b>41,803,384</b>	<b>873,177</b>	<b>1,194,085</b>
<b>Shellfish:</b>							
<b>Clam and clam products: (3)</b>							
Whole and minced	15	2,826,933	42,404	64,182	2,846,800	42,702	69,827
Chowder and juice	30	2,447,600	73,428	39,512	2,439,500	73,185	40,314
Specialties	48	158,875	7,626	6,360	186,438	8,949	7,114
<b>Total clams</b>	--	<b>5,433,408</b>	<b>123,458</b>	<b>110,054</b>	<b>5,472,738</b>	<b>124,836</b>	<b>117,255</b>
Crabs, natural	20	1,385	27	264	1,436	28	490
Lobster meat and specialties	48	9,729	467	525	9,542	458	536
Oyster, specialties	48	1,042	50	110	7,667	368	526
Shrimp, natural (4)	6.75	289,630	1,955	9,639	282,963	1,910	11,430
Other	48	302,313	14,511	10,651	99,979	4,799	6,198
<b>Total shellfish</b>	--	<b>6,037,506</b>	<b>140,468</b>	<b>131,243</b>	<b>5,874,324</b>	<b>132,399</b>	<b>136,435</b>
<b>Total for human consumption</b>	--	<b>50,883,454</b>	<b>1,100,329</b>	<b>1,521,880</b>	<b>47,677,708</b>	<b>1,005,576</b>	<b>1,330,520</b>
<b>For bait and animal food</b>	48	16,599,354	796,769	339,548	15,392,104	738,821	291,992
<b>Grand total</b>	--	<b>67,482,808</b>	<b>1,897,098</b>	<b>1,861,428</b>	<b>63,069,812</b>	<b>1,744,397</b>	<b>1,622,512</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.

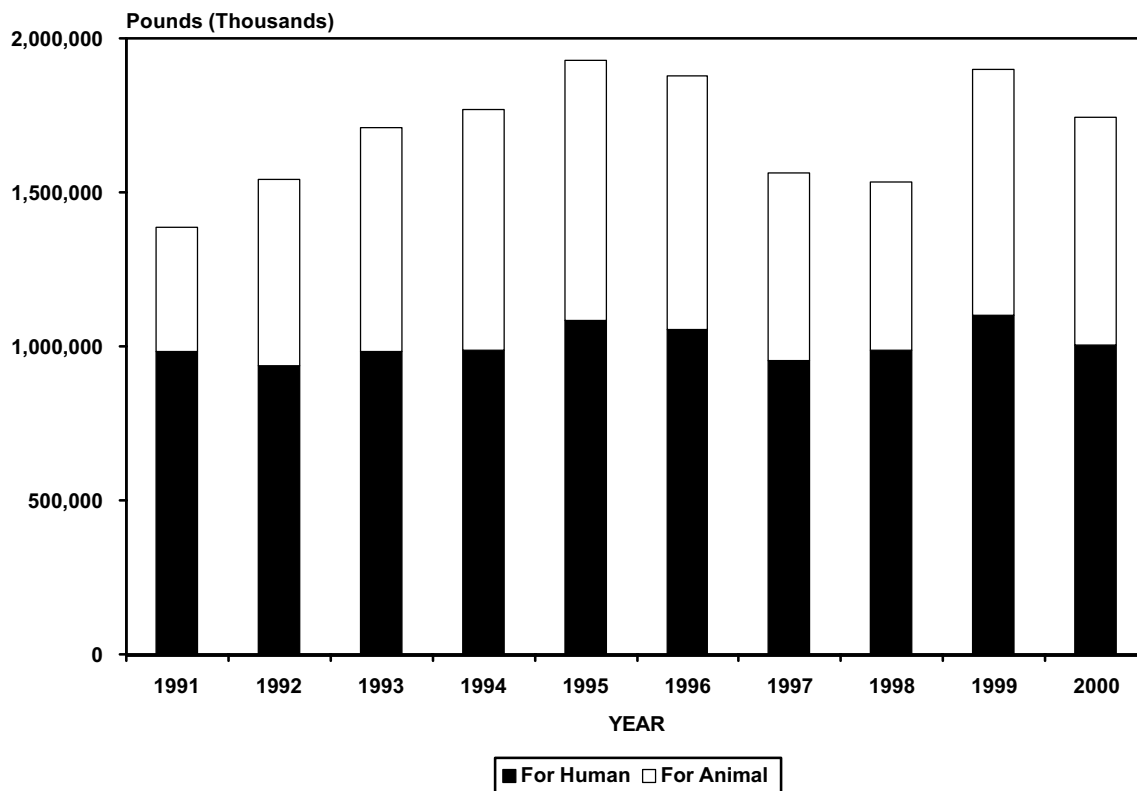
(5) Confidential included with 'Other.'

# Processed Fishery Products

**PRODUCTION OF CANNED FISHERY PRODUCTS, 1991-2000**

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
1991	981,275	445,103	1,439,362	404,440	183,453	204,917	1,385,715	628,556	1,644,279
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	1,005,576	456,126	1,330,520	738,821	335,127	291,992	1,744,397	791,253	1,622,512

**Production of Canned Fishery Products, 1990-99**



# Processed Fishery Products

## PRODUCTION OF MEAL AND OIL, 1999 AND 2000

Product	1999			2000		
	<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	671,794	304,724	146,140	627,176	284,485	114,247
Shellfish	14,456	6,557	830	11,064	5,019	654
<b>Total, scrap and meal</b>	<b>686,250</b>	<b>311,281</b>	<b>146,970</b>	<b>638,240</b>	<b>289,504</b>	<b>114,901</b>
<b>Body oil, total</b>	<b>286,182</b>	<b>129,811</b>	<b>41,884</b>	<b>192,348</b>	<b>87,248</b>	<b>20,914</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, 1991-2000

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 -----		
1991	612,716	277,926	267,345	121,267	170,495	37,707	208,202
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	638,240	289,504	192,348	87,248	135,815	82,273	218,088

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