

NOAA Technical Memorandum NMFS



OCTOBER 1997

THE JAPANESE SWORDFISH MARKET

Sunee C. Sonu

NOAA-TM-NMFS-SWR-032

U.S. DEPARTMENT OF COMMERCE National Oceanic and Atmospheric Administration National Marine Fisheries Service Southwest Fisheries Science Center Department of Commerce National Marine Fisheries Service

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NOAA Technical Memorandum NMFS

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U.S. DEPARTMENT OF COMMERCE

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EXECUTIVE SUMMARY

Japan is the world's largest market for swordfish, Xiphias gladius, taking an average of 28,262 mt of swordfish or 37 percent of the world's swordfish catches during 1986-1995. Supply for this market comes from both domestic catch as well as imports.

Japanese swordfish catches fluctuated between 13,000 and 22,000 mt from 1958 to 1995. About 87 percent of the catch was made by tuna longliners as important by-catch. Between 1965 and 1995, most Japanese catches occurred in the Pacific Ocean (63 to 91 percent), followed by Atlantic Ocean (4 to 29 percent), and the Indian Ocean (4 to 11 Percent). Catches in the Pacific Ocean have fluctuated between 10,000 and 16,000 mt since 1972. The Atlantic catch has fluctuated but maintained an upward trend since 1979. Catches in the Indian Ocean have remained at low levels.

Japan is a major importer of swordfish. In 1996, estimated Japanese imports of swordfish were approximately 12,500 mt valued at 68 million dollars. In volume, frozen swordfish (excluding fillets) dominated and represented 83 percent of the imports, followed by fresh swordfish with 10 percent and frozen swordfish fillets with 7 percent. The percentage of the Japanese swordfish market supplied by imports has increased from 29 percent in 1970 to 47 percent in 1996. Good demand and the strong yen contributed to increased imports. Taiwan is presently the leading supplier of fresh and frozen swordfish to Japan, having taken the lead over the Republic of Korea in 1989. Indonesia is the leading supplier of frozen swordfish fillets to Japan, followed closely by Taiwan.

Japan regulates imports of swordfish products with import tariffs, which have been progressively reduced in GATT multilateral trade negotiation rounds. As Japan and the United States are signatories to the World Trade Organization (WTO), WTO tariffs apply to U.S. exports of swordfish products.

Swordfish is sold though auctions, at consumer-center wholesale markets in the larger cities, and at production-center wholesale markets at Japanese ports of landings. It is also sold directly to representatives of supermarkets and department stores. The largest consumer-center wholesale market in Japan is the Tokyo Central Wholesale Market. The wholesale price determined in the Tokyo Central Wholesale Market becomes a price index for fishery products throughout the world.

In recent years, swordfish has commanded higher prices at the Tokyo Central Wholesale Market than all other species of billfish, except highly prized fresh striped marlin. In 1996, wholesale prices of swordfish increased 18 percent for frozen fish and 9 percent for fresh fish from 1995 levels. Annual and monthly average wholesale prices at the Tokyo Central Wholesale Market fluctuated for both fresh and frozen swordfish, and the fluctuations were influenced mainly by volume of supply between 1986 and 1996. As is usually the case, the greater the supply, the lower the price.

Swordfish are handled, sold, and consumed as types of tuna in Japan. In recent years, wholesale prices for fresh and frozen swordfish exceeded those for yellowfin tuna.

INTRODUCTION

The fishery for swordfish, *Xiphias gladius*, is one of the fastest growing fisheries in the world. World swordfish production has increased more than seven-fold during the past four decades, and is still growing in order to keep pace with the continuing rise in demand.

Japan has long been the world's largest harvester as well as consumer of swordfish. Recently, however, the Japanese share of the world catch has decreased sharply. To fill the high demand for swordfish, Japan increased swordfish imports from 6,500 mt in 1984 to 12,500 mt in 1996.

This report provides a detailed examination of the Japanese swordfish fishery, imports, supply, and market, in order to identify potential opportunities for export by U.S. producers.

WORLD FISHERY

Total world landings of swordfish, Xiphias gladius, increased more than seven-fold, from 12,680 metric tons (mt) in 1951 to 89,700 mt in 1995 (Table 1 and Figure 1). A global increase in swordfish landings during recent years was due to increased catches by Taiwan, Spain, and the United States. Combined swordfish landings by these three countries rose from 4,700 mt in 1966 to 45,589 mt in 1995, respectively about 14 percent and 51 percent of the world total (Figure 2). While 46 nations reported swordfish catches in 1995, Taiwan ranked highest with 22 percent (20,051 mt) of the total. Spain was a close second, with 19,622 mt. Japan, historically the world's largest producer of swordfish, dropped to third and the United States was fourth.

Most of the world landings of swordfish from 1982 through 1995 occurred in the Atlantic Ocean, followed by the Pacific Ocean (Figure 3). Although the Indian Ocean has not been a major swordfish producing region, considerable growth in regional landings has occurred in the past few years. Landings in this region (FAO areas 51 and 57, Figure 4) increased from 1,946 mt in 1984 to 14,521 mt in 1995 (FAO 1973 and 1997).

Year	Taiwan	Spain	Japan	U.S.A	Philippines	Others	Total
1951	0	1,400	8,280	700	0	2,300	12,680
1952	0	1,300	10,377	600	0	2,200	14,477
1953	Õ	1,200	9,056	500	0	2,200	12,956
1954	õ	800	10,095	700	0	2,400	13,995
1955	Ő	1,000	12,419	400	0	2,300	16,119
1956	Ő	800	13,300	300	0	2,300	16,700
1957	Ō	1,000	11,200	900	0	3,500	16,600
1958	400	1,200	14,200	1,200	0	4,000	21,000
1959	0	1,100	14,600	900	0	5,600	22,200
1960	, Õ	1,200	15,900	600	0	5,100	22,800
1961	600	1,700	17,100	600	Õ	4,000	24,000
1962	800	2,300	20,100	400	õ	4,400	28,000
1963	700	1,000	19,300	1,400	õ	10,600	33,000
1964	600	1,800	19,500	1,500	õ	10,600	34,000
1965	500	2,600	20,600	1,300	õ	7,000	32,000
1966	900	3,000	21,700	800	ő	6,600	33,000
1967	1,300	2,700	18,700	600	õ	9,700	33,000
1967	2,000	3,600	19,200	400	0	8,800	34,000
	2,000	3,500	21,000	400 600	· 100	10,100	38,000
1969 1970	2,015	4,060	20,800	700	1,400	11,735	40,710
	2,015	4,484	13,000	100	1,500	5,637	26,742
1971	1,991	4,484	13,300	400	1,600	6,366	28,167
1972		4,938		700	1,700	8,254	
1973	3,121	3,593	13,000	1,887	1,848	4,089	31,713 25,911
1974	1,878	3,836	12,616		1,976		
1975	2,230		14,645	2,477		4,524	28,819
1976	1,851	2,905	17,105	1,966	1,558	7,400	32,785
1977	1,892	3,976	15,077	1,689 4,234	2,103 890	8,623	33,360
1978	1,631	4,342 3,382	16,116	4,234 3,709		12,888	40,101
1979	2,774		14,699		3,845	9,583	37,992
1980	2,612	4,560	14,675	4,336	1,716	9,590	37,489
1981	1,908	5,134	16,171	4,104	1,940	9,406	38,663
1982	2,314	5,454	16,071 15 61'5	4,885	3,468	10,685	42,877
1983	2,487	8,422	15,615	5,523 5,957	2,974	10,932	45,953
1984 1085	2,393	7,560 8,668	17,147		2,274	16,756 20,079	52,087
1985	2,599		19,642	6,097	2,036		59,121
1986	3,112	11,122	18,352		2,089	21,923	61,036
1987	3,554	12,268	18,565		2,137	26,094	
1988	4,875	15,954	20,705		4,034	29,612	
1989	5,977	15,710	18,311		3,756	29,642	
1990	6,681	14,075	18,043		3,187	23,681	
1991	4,696	13,564	14,341		3,139 4,256	23,983	
1992	6,655	13,145	21,152		-	26,235	80,386
1993 1994	5,792	15,093	21,195		4,633	29,204	
1994 1995	9,225 20,051	16,168 19,622	19,776	6,922 5,916	3,641	27,489	•
1990	20,051	19,022	18,387	0,910	4,202	21,522	89,700
Source	S. FAO 1	955 195	6 1957	1963	1968, 1972.	1077 10	

Table 1. World swordfish catches by major countries, 1951-1995 (metric tons).

Sources: FAO 1955, 1956, 1957, 1963, 1968, 1972, 1977, 1980, 1984, 1987, 1996, 1997

Ministry of Agriculture, Forestry and Fisheries 1997 Suisan Sha 1963

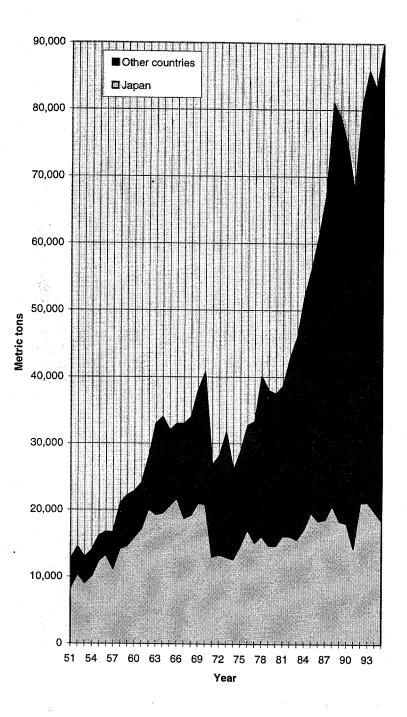


Figure 1. World and Japanese annual swordfish catches (catches are additive), 1951-1995 (metric tons). (Sources: FAO 1955, 1956, 1957, 1963, 1968, 1972, 1977, 1980, 1984, 1987, 1996, 1997; Ministry of Agriculture, Forestry and Fisheries 1997; Suisan Sha 1963)

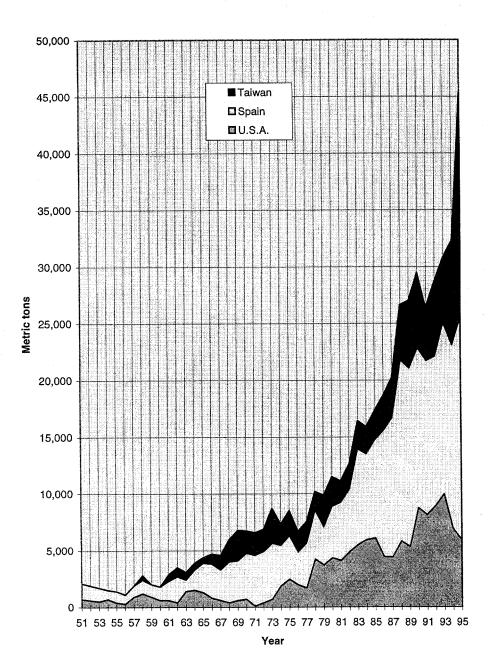


Figure 2. Annual swordfish catches (catches are additive) by Taiwan, Spain, and the U.S.A., 1951-1995 (metric tons). (Sources: FAO 1955, 1956, 1957, 1963, 1968, 1972, 1977, 1980, 1984, 1987, 1996, 1997)

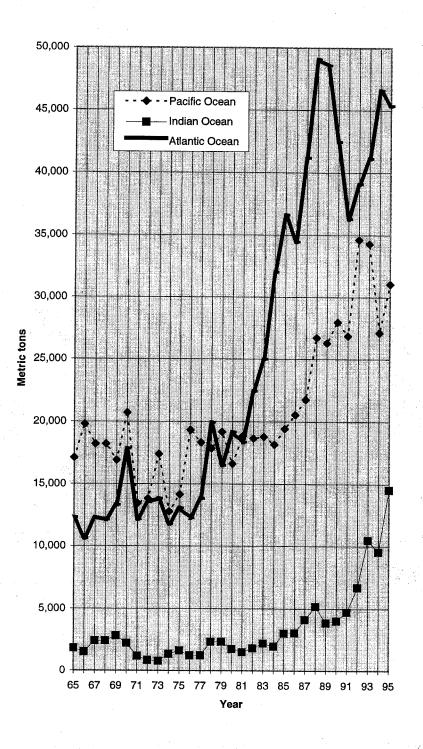


Figure 3. World annual swordfish catches by ocean areas, 1965-1995 (metric tons). (Sources: FAO 1972, 1997; Ministry of Agriculture, Forestry and Fisheries 1997)

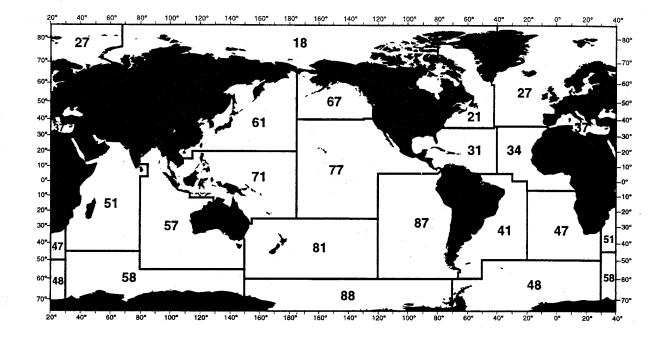


Figure 4. Major FAO statistical fishing areas. (Source: FAO 1996)

JAPANESE FISHERY

The Japanese commercial fishery for billfish (swordfish, striped marlin, blue marlin, black marlin, sailfish, and shortbill spearfish) began in 1603 (Suisan sha 1963). Originally, billfish were caught in Japanese coastal waters by surface gear (harpoons, handlines, and set nets). In 1743, however, when the Japanese developed a longline fishery for tuna, billfish began to be taken as an important by-catch.

On March 31, 1897, the Japanese government established the Distant Water Fisheries Promotion Act to develop and strengthen its distant-water fishing industry (Yaizu Fisheries Cooperatives 1964). The Act was revised in 1905. The revised act provided grants for new vessel construction and installation of engines. In March 1906, the first engine (20 horsepowers) was installed in a 25 gross-ton tuna longliner, and by 1925, most tuna longliners were equipped with engines. In 1926, line haulers, cold storage facilities, and radios were added. With these new technological developments, tuna longliners could fish further away from Japan and the fishing grounds rapidly expanded over the years.

Beginning in 1965, Japanese longliners were equipped to deep freeze catches to minus 55 degrees Celsius (Suisan sha 1969). This technology allowed high-quality tuna and billfish to reach Japan even from distant fishing areas. High quality tuna and swordfish became very popular in the "sashimi" (raw fish) market and prices for these fish increased sharply, especially for bigeye tuna (Figure 5 and Table 2). The Japanese distant-water tuna industry grew rapidly and the fishery began to target bigeve tuna for the sashimi market and gear was modified to fish in greater depths. In 1970, bigeye tuna comprised 27 percent of the tuna longline catches and by 1980 it had increased to 35 percent (Ministry of Agriculture, Forestry & Fisheries 1981). This increase has been attributed to the deeper fishing longline gear. At the same time, the swordfish catch which had comprised 4 percent of the total longline catch declined to 3 percent. Deep longlining is less effective for catching the shallower swimming swordfish than is standard longlining. Additionally, strict regulations of mercury content in swordfish were implemented in 1970 in some countries due to discovery of high levels of mercury in swordfish. This action resulted in reduced consumer demand and a decline in catches. The regulations were relaxed in 1978 and the catches increased from 13,000 mt in 1971 to 16,116 mt in 1978 as demand returned.

Japan was the world's largest harvester of swordfish until 1994, but its share of the world catch has decreased sharply, from 65 percent in 1951 to 20 percent in 1995. Japanese swordfish catches have fluctuated between 13,000 and 22,000 mt since 1958. The peak year of Japanese swordfish harvest was 1966 when 21,700 mt were harvested (Table 1 and Figure 1).

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In 1995, about 87 percent of the swordfish were caught by tuna longliners, and the rest by driftnet, gillnet, set net and other methods in the western Pacific (Table 3). The Japanese tuna longline fishery is conducted in distant-waters using vessels larger than 120 gross tons, and in coastal and offshore waters of Japan using vessels of 10-20 gross tons and 20-120 gross tons, respectively. In the face of rising fuel costs, high cost of domestic labor, and mounting international competition, the Japanese tuna longline fleet has been continuously adapting to changing times over the past two decades. In order to modernize its fleet into one that is lean and productive, the industry has decommissioned 739 vessels between 1970 and 1995, mostly from the distant-water and off-shore component (Figure 6), while enhancing both tonnage and equipment for its fleet (Suisan Sha 1989).

Most Japanese catches of swordfish, between 63 and 91 percent from 1965 through 1995, occurred in the Pacific Ocean followed by Atlantic Ocean (4 to 29 percent), and the Indian Ocean (4 to 11 percent; Table 4 and Figure 7). Swordfish landings by ocean have changed significantly since 1966, with landings from the Pacific declining and over a two-fold increase in landings from the Atlantic. These changes reflect a redistribution of tuna longline fishing effort from traditional fishing areas in the Pacific to new fishing areas in the Atlantic and Indian oceans. The fishing fleet extended its operation into the Indian ocean and the Atlantic ocean in 1952 and 1956, respectively (Suisan sha 1963).

Most of the catch of the swordfish from the Pacific Ocean is made in the northwestern sector. The total Pacific catch increased from 16,100 mt in 1965 to a record high of 18,400 mt in 1966. The catch then declined abruptly to about 10,000 mt in 1971 and has fluctuated between 9,936 and 15,649 mt since 1972. The Atlantic catch has shown a fluctuating but upward trend since 1979. Catches in the Indian ocean have remained at low levels.

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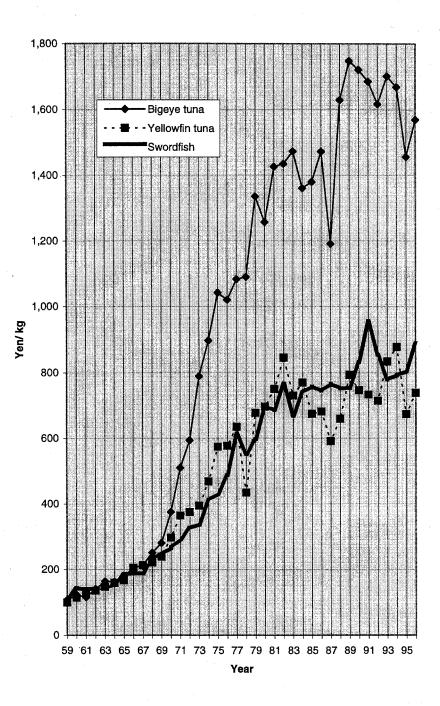


Figure 5. Annual average wholesale prices of fresh swordfish, bigeye tuna, and yellowfin tuna, at 51 major landing ports in Japan, 1959-1996 (yen/kg). (Sources: Suisan Sha 1963; Ministry of Agriculture, Forestry and Fisheries 1964-1997; Suisan Keizai Shinbun Sha 1997)

Year	Swordfi	sh	Yellow	fin tuna	Bigeye	e tuna	Bluef	in tuna
	Fresh Fr	rozen	Fresh	Frozen	Fresh	Frozen	Fresh	Frozen
1955	_ *	_	72	· · ·	.89		115	
1956	- '	-	84	-	98	-	126	-
1957		·	86		95		122	
1958			93	· _	102	-	225	_
1959	114	***	99	-	107	· –	239	-
1960	143	-	113	. .	123	-	199	-
1961	140	_	124	-	115		301	-
1962	142	 .	135	-	141		305	-
1963	144	-	147	-	164	·	391	-
1964	154		159	· —	163		219	-
1965	186	-	166	-	180		234	-
1966	188		205	-	205	-	258	-
1967	188	· _	213	-	231	_	312	_
1968	235	_	221	·	251	-	366	-
1969	247		239		281	_	462	
1970	266	·	297		375	_	602	_
1971	293		364		510	-	736	_
1972	326	_	375	·	594	-	863	· _
1973	337	_	394	_	789	_	978	_
1974	411	_	468		897	_	1,330	_
1975	431	· · ·	574	· _	1,042		941	_
1976	487	_	577		1,020		1,187	_
1977	614	_	634	_	1,083	_	1,024	· _
1978	552	_	434	_	1,090	-	646	
1979	597	657	677	640	1,336	975	1,127	2,641
1980	696	773	696	519	1,257		1,285	2,058
1981	686	718	750	541	1,426	975	887	2,259
1982	767	862	845	474	1,435	933	1,063	2,255
1982	668	747	730	436	1,473	847	1,287	3,251
1983	740	902	730	668	1,361	1,145	1,20,	3,225
1984	758	820	674	628	1,301	917	1,250	3,059
		820 791	681	526	1,380	872	1,664	4,342
1986	744	791 796	591	528		838	1,004	
1987	767				1,191			3,649
1988	752	697 506	659	532	1,629	1,025	1,593	4,326
1989	753	596	793 746	771	1,748		1,743	5,101
1990	832	646 796	746	572	1,722		2,848	4,849
1991	949	786	733	485	1,686		2,062	4,082
1992	853	691	714	623	1,617		2,130	3,879
1993	779	682	834	658	1,702		1,875	3,814
1994 1005	792	587	877		1,669	1,089	1,302	2,983
1995	804	569 710	673 720	521	1,495	953	1,169	2,540
1996	889	718	738	615	1,569	1,088	1,489	2,902

Table 2. Annual average wholesale prices of swordfish and tuna at 51 major landing ports in Japan, 1955-1996 (yen/kg).

*- - not available

Sources: Suisan Sha 1963

Ministry of Agriculture, Forestry & Fisheries 1964-1997 Suisan Keizai Shinbun Sha 1997

FAO fishing area*	Tuna	longliner	Others**
	Distant-water	Offshore/Coastal	
Atlantic Ocean		· · ·	
21	30	0	0
27	60	0	0
31	3.3	0	0
34	1,912	0	0
37	7	0	0
41	187	0	0
47	2,267	0	0
Indian Ocean			
51	665	0	0
57	687	13	0
Pacific Ocean			
61	502	5,519	2,205
71	192	352	208
77	1,808	11	0
81	1,259	0	0
87	477	0	0
Total	10,080	5,895	2,413

Table 3. Japanese swordfish catch by gear and major FAO fishing area, 1995 (metric tons).

* - Number refer to FAO fishing areas (see Figure 4).** - Includes driftnet, gillnet, setnet, and pole and line.

Source: Ministry of Agriculture, Forestry and Fisheries 1997

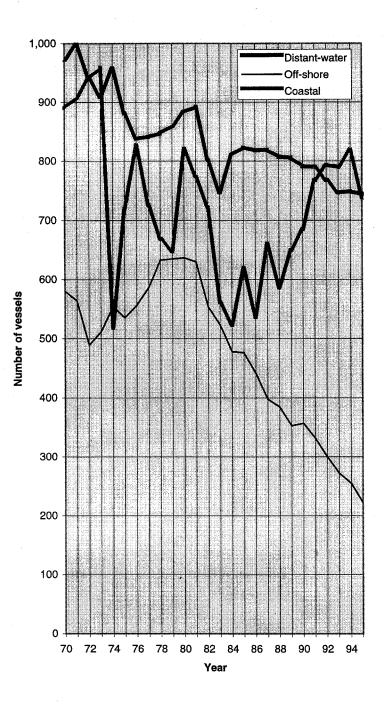


Figure 6. Japanese tuna longliners by number and class, 1970-1995. (Sources: Ministry of Agriculture, Forestry and Fisheries 1972-1997)

Pacific Ocean 13,500 11,900 9,800 8,800 7,300 5,600 4,7 77 2,500 2,600 1,800 2,600 4,300 5,600 2,700 3,4 81 1,300 1,500 1,100 1,500 1,100 900 1,200 1,5 71 0 500 800 200 1,500 1,300 800 7 87 200 300 200 300 1,100 1,000 100 100 67 0 0 0 0 0 70 0 0 0 0 0 67 0 0 70 0 0 70 0 0 70 0 0 70 0 0 70 0 0 70 0 0 70 0 0 70 16,200 16,800 70 0 0 70 100 200 200 70 100 0 0 0 70 100 0 0 0 0 71 300 100 100									
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	Area *	1965	1966	1967	1968	1969	1970	1971	1972
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	Pacific	Ocean					-		
811,3001,5001,1001,5001,1009001,2001,5007105008002003001,5001,3008007872003002003001,1001,000100106700000000Total16,10018,40015,80016,20016,80016,10010,40010,4Atlantic Ocean476005002003002002004005341,1007004006003003003003006416004001002001,5002,50030062701000000012130010000000137000000023700000022370000002237000000223700000002370000000237001,3001,0001,2008005002517009001,3001,0001,2008005005 </td <td>61</td> <td>12,100</td> <td>13,500</td> <td>11,900</td> <td>9,800</td> <td>8,800</td> <td>7,300</td> <td>5,600</td> <td>4,700</td>	61	12,100	13,500	11,900	9,800	8,800	7,300	5,600	4,700
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$				•			-	•	3,400
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$				•	-			•	1,500
6700000000Total16,10018,40015,80016,20016,80016,10010,40010,4AtlanticOcean 47 6005002003002002004005341,1007004006003003003006416004001002001,5002,5003006270100000000313002001001002001002001213001000000003700000002Total2,9002,0008001,2002,2003,1001,6002,2Indian Ocean579004008008008008005002517009001,3001,0001,2008005005Total1,6001,3002,1001,8002,0001,6001,0007Grand		+				•			700
Total 16,100 18,400 15,800 16,200 16,800 16,100 10,400 10,4 Atlantic Ocean 47 600 500 200 300 200 200 400 5 34 1,100 700 400 600 300 300 300 300 40 41 600 400 100 200 1,500 2,500 300 8 27 0 100 0 0 0 0 0 0 0 31 300 200 100 100 200 100 200 10 21 300 100 0 0 0 0 0 400 20 37 0 0 0 0 0 0 0 0 2,200 3,100 1,600 2,2 Indian Ocean 57 900 400 800 800 800 800 800 500 2 51 700 900 1,300 1,000 1,200 800 500 5 Total 1,600 1,300 2,100 1,800 2,000 1,600 1,000 5 Grand							-		100
Atlantic Ocean 47 600 500 200 300 200 200 400 500 34 1,100 700 400 600 300 300 300 300 60 41 600 400 100 200 1,500 2,500 300 60 27 0 100 0 0 0 0 0 0 31 300 200 100 100 200 100 200 100 21 300 100 0 0 0 0 0 0 200 100 37 0 0 0 0 0 0 0 0 2,200 3,100 1,600 2,2 Indian Ocean 57 900 400 800 800 800 500 2 2 51 700 900 1,300 1,000 1,200 800 500 5 51 700 900 1,800 2,000 1,600 1,000 5 <td>67</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td>	67	0	0	0	0	0	0	0	0
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	Total	16,100	18,400	15,800	16,200	16,800	16,100	10,400	10,400
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	Atlantic	Ocean							
$\begin{array}{cccccccccccccccccccccccccccccccccccc$			500	200	300	200	200	400	500
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	34	1,100	700	400	600	300	300	300	600
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	41	600	400	100	200	1,500	2,500	300	800
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	27	0	100	0	0	0	0	0	0
37 0 0 0 0 0 0 0 0 0 Total 2,900 2,000 800 1,200 2,200 3,100 1,600 2,2 Indian Ocean 57 900 400 800 800 800 800 500 2 51 700 900 1,300 1,000 1,200 800 500 2 Total 1,600 1,300 2,100 1,800 2,000 1,600 1,000 3 Grand		300							100
Total 2,900 2,000 800 1,200 2,200 3,100 1,600 2,2 Indian Ocean 57 900 400 800 800 800 800 500 2 51 700 900 1,300 1,000 1,200 800 500 2 Total 1,600 1,300 2,100 1,800 2,000 1,600 1,000 3 Grand 3 <td></td> <td>300</td> <td></td> <td>-</td> <td>-</td> <td>_</td> <td>-</td> <td></td> <td>200</td>		300		-	-	_	-		200
Indian Ocean 57 900 400 800 800 800 800 500 2 51 700 900 1,300 1,000 1,200 800 500 5 Total 1,600 1,300 2,100 1,800 2,000 1,600 1,000 5 Grand 1 <td>37</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>. 0</td> <td>0</td> <td>0</td>	37	0	0	0	0	0	. 0	0	0
57 900 400 800 800 800 800 500 2 51 700 900 1,300 1,000 1,200 800 500 2 Total 1,600 1,300 2,100 1,800 2,000 1,600 1,000 7 Grand	Total	2,900	2,000	800	1,200	2,200	3,100	1,600	2,200
57 900 400 800 800 800 800 500 2 51 700 900 1,300 1,000 1,200 800 500 2 Total 1,600 1,300 2,100 1,800 2,000 1,600 1,000 1 Grand	Indian C	cean							
Total 1,600 1,300 2,100 1,800 2,000 1,600 1,000 T Grand			400	800	800	800	800	500	200
Grand	51	700	900	1,300	1,000	1,200	800	500	500
	Total	1,600	1,300	2,100	1,800	2,000	1,600	1,000	700
- TOTAL - ZU BUD 21.700 18.700 49.200 ZI.000 ZU.800 13.000 13.1			01 700	10 700	10.200	21 000	20.000	12 000	12 200
10241 20,000 21,700 10,700 19,200 21,000 20,000 19,5	Total	20,600	21,700	18,700	19,200	21,000	20,800	13,000	13,300

Table 4. Japanese swordfish catch, by major FAO fishing area, 1965-1995 (metric tons).

Area *	1973	1974	1975	1976	1977	1978	1979	1980
Pacific Oc	ean							
61	5,000	5,896	8,622	9,977	10,126	9,906	8,701	6,323
77	4,100	2,330	2,139	3,591	2,743	2,614		3,299
81	1,100	1,269	657	1,294	272	269	684	583
71	600	787	698	745	481	935	664	1,214
87	300	216	245	236	375	608	307	534
67	0	0	0	0	0	1	0	0
har and the second seco								
Total	11,100	10,498	12,361	15,843	13,997	14,333	13,091	11,953
Atlantic C	cean							
47	600	316	531	228	372	429	627	1,040
34	300	705	777	295	129	270	251	714
41	. 0	0	7	0	1	2	1	136
27	0	59	23	6	20	35	29	15
31	0	48	75	78	77	4	11	3
21	300	358	215	338	287	265	251	367
37	0	0	3	1	5	2	3	- 1
Total	1,200	1,486	1,631	946	891	1,007	1,173	2,276
Indian Oce	an							*
57	200	252	343	172	129	384	324	274
51	500	380	310	144	60	392	111	172
			······································	, ·,			······	
Total	700	632	653	316	189	776	435	446
Grand								
Total	13,000	12,616	14,645	17,105	15,077	16,116	14,699	14,675

Table 4 (continued). Japanese swordfish catch, by major FAO fishing area, 1965-1995 (metric tons).

Area *	1981	1982	1983	1984	1985	1986	1987	1988
Pacific O	cean							
61	6,792	5,873	7,552	7,161	8,324	8,889	8,382	7,977
77	3,373	2,652	2,628	2,554	2,416	2,767	3,889	4,053
81	1,017	1,195	779	745	823	1,114	1,240	1,845
71	1,379	1,251	777	819	1,104	1,034	787	627
87	509	365	749	672	254	442	541	924
67	8	14	26	35	161	25	28	70
Total	13,078	11,350	12,511	11,986	13,083	14,271	14,867	15,496
Atlantic	Ocean							
47	1,116	2,310	1,300	1,988	2,423	1,553	944	1,668
34	479	1,137	532	1,794	1,704	444	790	1,420
41	256	119	46	46	342	574	593	772
27	32	40	60	64	33	18	32	37
31	53	93	34	40	86	28	20	17
21	511	218	134	212	245	272	164	197
37	1	5	6	19	15	7	3	4
Total	2,448	3,922	2,112	4,163	4,848	2,896	2,546	4,115
Indian Oc	ean							
57	394	214	337	423	564	315	376	265
51	251	576	655	575	1,147	870	776	829
Total	645	790	992	998	1,711	1,185	1,152	1,094
Grand	<u> </u>							
Total	16,171	16,071	15,615	17,147	19,642	18,352	18,565	20,705

Table 4 (continued). Japanese swordfish catch, by major FAO fishing area, 1965-1995 (metric tons).

Area *	1989	1990	1991	1992	1993	1994	1995
Pacific Oc	cean						
61	6,251	5,561	4,681	7,840	8,978	8,760	8,225
77	3,480	3,173	2,837	3,712	2,709	1,613	1,819
81	1,218	1,114	1,124	2,178	1,278	1,061	1,259
71	921	718	503	837	692	679	752
87	411	763	758	1,027	605	689	477
67	86	12	30	25	0	6	0
Total :	12,367	11,341	9,936	15,619	14,263	12,808	12,532
Atlantic C)cean						
47	2,270	2,106	1,570	1,883	2,458	2,964	2,261
34	1,908	2,230	936	1,277	2,724	1,993	1,912
41	718	1,253	941	907	587	577	187
27	38	36	94	85	46	42	60
31	152	64	40	35	28	33	33
21	174	200	183	199	138	62	30
37	2	2	1	2	6	4	7
Total	5,262	5,891	3,765	4,388	5,987	5,675	4,490
Indian Oce	ean						
57	178	219	260	122	317	363	700
51	504	592	380	1,023	628	930	665
Total	682	811	640	1,145	945	1,293	1,365
Grand Total	18,311	18,043	14,341	21,152	21,195	19,776	18,387

Table 4 (continued). Japanese swordfish catch, by major FAO fishing area, 1965-1995 (metric tons).

* - Numbers refer to FAO fishing areas (see Figure 4).

Sources: FAO 1972, 1997

Ministry of Agriculture, Forestry and Fisheries 1997

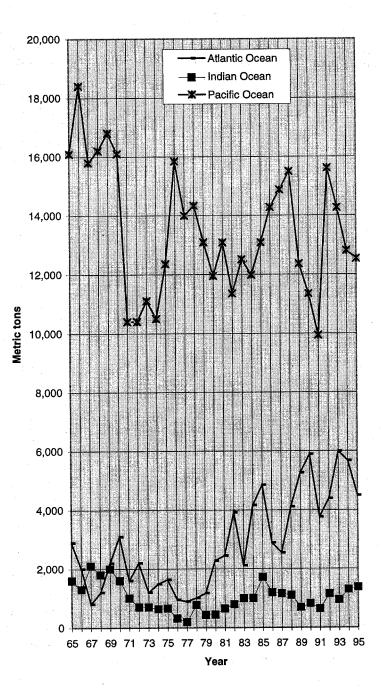


Figure 7. Japanese annual swordfish catches by ocean areas, 1965-1995 (metric tons). (Sources: Ministry of Agriculture, Forestry and Fisheries 1997; FAO 1972, 1997)

IMPORTS

Japan is a major importer of billfish, including swordfish. Unfortunately statistics of the latter has been lumped with other billfish. In 1996, Japanese imported 23,597 mt valued about 100 million dollars (Table 5). Frozen products (excluding fillets) dominated, representing as much as 83 percent in volume and 74 percent in value (Tables 6 and 7). Fresh billfish accounted for 10 percent in volume and 17 percent in value (Tables 8 and 9), followed by frozen fillet products with 7 percent in volume and 9 percent in value (Table 10).

Between 1970 and 1996, imports of billfish fluctuated between 12,300 and 23,600 mt while steadily increasing in value from 7.7 to 100 million dollars (Table 5 and Figure 8). Good demand and a strong yen (Appendix 1) contributed to increased The number of countries supplying billfish to Japan imports. also increased from 14 in 1970 to 46 including the United States in 1996 (Japan Marine Products Importers Association, 1977 and The increase in value was due mainly to the appreciation 1997). of the Japanese yen relative to U.S. dollar, but also to higher prices for swordfish in Japan. Exporters of fishery products have greatly benefited from the weaker dollar relative to the Japanese yen in recent years. The average annual value of the U.S. dollar relative to the yen fell 16 percent to 108 yen/U.S. dollar in 1996 from 128 yen /U.S. dollar in 1988. The annual average import price of billfish in 1996 increased 42 percent in yen and 67 percent in dollars from the 1988 level. Japanese import statistics indicate that 2,248 mt of fresh and frozen billfish were flown into Japan in 1996, placing billfish tenth in importance of airfreighted import species (Japan Marine Products Importers Association 1997).

Taiwan has become the leading supplier of frozen billfish to Japan in recent years, passing the Republic of Korea which had been the leader (tables 6 and 7). Taiwan is also the major supplier of fresh billfish to Japan (Tables 8 and 9). Indonesia, Taiwan, Belize, and the Republic of Korea are the dominant suppliers of frozen billfish fillets to Japan (Table 10). These four nations supplied Japan with as much as 77 percent both in volume and in value of frozen fillets in 1996. In 1996, Belize for the first time emerged as a significant exporter of frozen billfish to Japan.

Japan did not begin to report separate import statistics for swordfish until 1997. Before that time, swordfish imports were lumped with those of other billfish. From January through June 1997, Japan imported 5,000 mt of frozen swordfish valued at 25 million dollars. This is about 53 percent in volume and 67 percent in value of total billfish imported during the same period (Tables 11, 12 and 13). Japan regulates imports of fish and fishery products with import quotas (IQ) and tariffs. Over the years, Japan has relaxed its IQ and reduced trade barriers through multilateral and bilateral trade negotiations. Tariffs have been progressively reduced in GATT multilateral trade negotiation rounds. Japan has sufficiently relaxed its import regime so that it is now the world's largest importer of fishery products with 1996 imports of 18 billion dollars.

Imports of swordfish products into Japan are subject to tariffs, but not IQ. As Japan and the United States are signatories to the World Trade Organization (WTO), WTO tariffs apply to U.S. exports of billfish products: 4.1 percent through December 31, 1997 and 3.8 percent from January 1 through December 31, 1998 for fresh, frozen, and frozen fillets. The tariff rates are calculated as percentage of cost, insurance, and freight (CIF) value. Major Japanese importers of seafood products are listed in Appendix 2.

Year	Quantity Metric tons	Value U.S. \$1,000
	·····	
1970	16,235	7,705
1971	15,889	8,728
1972	15,251	8,674
1973	17,132	11,922
1974	17,616	14,618
1975	19,117	18,969
1976 .	21,536	23,402
1977	19,995	28,026
1978	21,486	21,486
1979	21,049	38,837
1980	16,055	32,050
1981	15,684	34,662
1982	14,236	29,575
1983	14,164	29,186
1984	12,363	26,919
1985	12,206	26,658
1986	16,948	43,323
1987	17,216	49,399
1988	14,834	39,541
1989	15,320	41,692
1990	15,200	40,432
1991	17,089	53,575
1992	19,466	70,277
1993	20,978	83,237
1994	18,395	72,338
1995	21,498	90,926
1996	23,597	100,897

Japanese annual imports of billfish (fresh, frozen, frozen fillets) by quantity and value, 1970-1996. Table 5.

Source: Japan Marine Products Importers Assocition 1971-1997

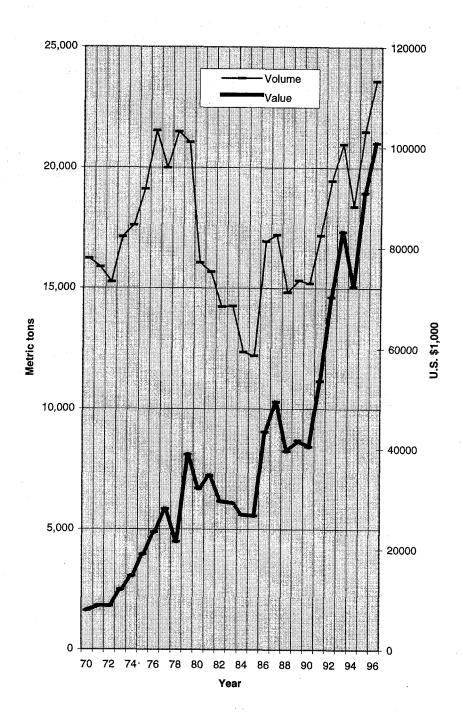


Figure 8. Japanese billfish imports by volume and value, 1970-1996. (Source: Japan Marine Products Importers Association 1971-1997)

Country of orig	gin 1976	1977	1978	1979	1980	1981	1982
	· · · · ·		-				
Taiwan	5,526	4,982	5,356	4,835	4,406	4,242	3,086
Korea, Rep.	11,079	11,194	12,622	12,672	8,390	7,882	7,429
Singapore	· 0	2	47	234	447	560	216
Honduras	0	0	0	· 0	0	0	0
South Africa	0	1	3	14	28	0	0
Belize	0	0	0	0	0	0	0
Uruguay	0	31	0	0	. 0	0	134
Indonesia	100	123	192	160	. 192	200	200
Ecuador	396	112	209	454	· 323	183	255
Panama	1,705	1,346	457	426	380	339	498
Canary Islands	40	0	0	0	0	0	49
Trinidad	0	75	0	0	0	0	0
Spain	103	130	39	0	0	0	209
Mexico	407	234	0	0	0	386	485
Guinea, Rep.	· · O	0	0	0	0	0	0
St. Vincent	0	0	0	0	0	0	0
Kenya	0	0	0	0	0	3	12
U.S.A.	510	754	451	78	90	112	23
Others	1,011	400	964	852	823	891	1,028
Total	20,877	19,384	20,340	19,725	15,079	14,798	13,624

Table 6. Japanese annual imports of frozen billfish (excluding fillets) by major countries and volume, 1976-1996 (metric tons).

Table	6	Japanese annual imports of frozen billfish
		(excluding fillets) by major countries and
		volume, 1976-1996 (metric tons).

······································		·····					
Country of origi	n 1983	1984	1985	1986	1987	1988	1989
· · · · · · · · · · · · · · · · · · ·							****
Taiwan	3,760	3,038	3,608	5,741	5,033	3,550	4,220
Korea, Rep.	6,182	5,443	4,650				-
Singapore	187	112	208	249	348	•	264
Honduras	0	80	68	99	234	327	684
South Africa	12	3	59	43	149	141	269
Belize	0	0	0	0	0	0	0
Uruguay	48	34	319	202	108	39	82
Indonesia	173	520	528	500	579	825	1,232
Ecuador	185	15	4	59	201	77	132
Panama	526	730	. 529	816	968	1,128	763
Canary Islands	0	. 2	0	0	0	0	123
Trinidad	74	0	0	21	0	0	0
Spain	. 0	0	17	67	10	182	100
Mexico	211	35	0	16	117	39	10
Guinea, Rep.	0	0	0	0	0	0	0
St. Vincent	0	12	0	17	0	4	3
Kenya	0	0	0	0	0	0	0
U.S.A.	11	52	2	· 1	0 [.]	4	0
Others	1,865	1,217	1,164	1,663	819	1,224	1,535
Total	13,234	11,293	11,156	15,247	15,459	13,450	13,933

Table 6 (continued). Japanese annual imports of frozen billfish (excluding fillets) by major countries and volume, 1976-1996 (metric tons).

Country of origin	n 1990	1991	1992	1993	1994	1995	1996
·				-			
Taiwan	5,061	4,887	7,364	7,845	6,302	8,160	8,050
Korea, Rep.	3,681	4,290	4,236	3,828	3,209	2,690	3,514
Singapore	203	360	815	450	594	2,330	1,759
Honduras	705	939	982	584	959	963	1,658
South Africa	402	636	366	210	380	331	814
Belize	0	0	. 0	24	49	157	491
Uruguay	104	126	84	123	296	253	480
Indonesia	701	604	703	357	323	266	361
Ecuador	324	360	264	225	145	133	338
Panama	1,043	1,000	1,352	1,418	1,159	788	307
Canary Islands	47	26	1	74	127	154	298
Trinidad	0	333	212	1,035	49	343	200
Spain	23	0	0	0	1	0	182
Mexico	15	0	0	0	0	0	172
Guinea, Rep.	0	0	0	0	0	1	164
St. Vincent	40	122	241	319	329	177	122
Kenya	0	0	94	75	161	125	105
U.S.A.	0	7	18	0	2	0	28
Others	1,206	1,276	757	942	615	797	540
Total	13,555	14,966	17,489	17,509	14,700	17,668	19,583

Source: Japan Marine Products Importers Association 1977-1997

Country of origi	in 1976	1977	1978	1979	1980	1981	1982
Taiwan	5,450	6,711	9,228	8,540	8,684	8,915	5,992
Korea, Rep.	11,779	15,002	17,778	20,177	14,561	15,564	14,150
Singapore	0	2	70	441	921	1,067	527
Honduras	0	0	0	0	0	0	0
South Africa	0	61	1	11	40	0	0
Belize	. 0	0	0	- 0	0	0	0
Uruguay	0	44	0	0	0	0	305
Indonesia	95	106	260	240	381	369	388
Ecuador	773	188	405	1,042	668	336	633
Panama	1,414	1,620	595	803	649	756	883
Canary Islands	37	0	0	0	0	· 0	69
Trinidad	0	97	. 0	0	0	0	0
Spain	127	164	50	0	0	0	285
Mexico	635	339	0	0	0	1,550	1,278
Guinea, Rep.	0	0	0	0	0	- 0	0
St. Vincent	0	0	0	0	0	0	0
Kenya	0	0	0	· 0	0	5	25
U.S.A.	301					132	31
Others	850	426	1,403	1,317	1,434	1,451	1,741
Total	21,461	25,446	30,274	32,641	27,430	30,145	26,307

Table 7. Japanese annual imports of frozen billfish (excluding fillets) by major countries and value, 1976-1996 (U.S. \$1,000).

Country of orig	jin 1983	1984	1985	1986	1987	1988	1989
Taiwan	8,166	6,989	8,785	15,208	15,920	10,031	11,422
Korea, Rep.	10,915	9,690	7,520	11,729	15,342	11,554	10,754
Singapore	382	. 229	428	452	1,088	925	581
Honduras	0	137	99	206	506	602	1,446
South Africa	10	7	109	60	182	188	515
Belize	0	0	0	0	0	0	0
Uruquay	183	52	757	286	148	52	107
Indonesia	259	879	784	990	994	1,329	2,171
Ecuador	276	24	17	132	389	175	390
Panama	890	1,218	897	2,293	2,648	2,796	1,871
Canary Islands	0	2	0	0	0	0	245
Trinidad	112	0	0	30	0	0	0
Spain	0	0	20	80	15	298	214
Mexico	619	95	0	25	292	81	30
Guinea, Rep.	0	0	0	0	0	0	0
St. Vincent	0	22	0	42	0	10	6
Kenya	0	. 0	0	. 0	0	0	0
U.S.A.	17	142	4	6	0	12	0
Others	2,705	1,590	1,508	2,448	1,807	2,932	3,383
Total	24,534	21,076	20,928	33,987	39,331	30,985	33,135

Table 7 (continued). Japanese annual imports of frozen billfish (excluding fillets) by major countries and value, 1976-1996 (U.S. \$1,000). Table 7 (continued).

Japanese annual imports of frozen billfish (excluding fillets) by major countries and value, 1976-1996 (U.S. \$1,000).

Country of orig	in 1990	1991	1992	1993	1994	1995	1996
· · ·			· · · ·				
Taiwan	12,667	14,605	28,077	29,414	23,952	33,496	33,751
Korea, Rep.	7,809	10,358	11,909	13,090	10,048	8,605	11,331
Singapore	436	1,258	2,919	1,875	2,386	9,951	7,984
Honduras	1,287	2,530	2,772	1,407	2,499	3,093	7,141
South Africa	611	1,551		585	541	652	2,177
Belize	0	0	0	51	129	542	1,987
Uruguay	191	326	162	312	489	371	1,395
Indonesia	1,210	1,200	1,381	1,504	849	777	1,027
Ecuador	855	938	719	777	1,086	688	1,846
Panama	2,333	2,564	4,183	4,274	3,352	2,169	824
Canary Islands	89	46	2	150	220	289	505
Trinidad	0	556	396	4,949		1,736	805
Spain	47	0	0	0	- 2	0	388
Mexico	24	0	0	0	0	0	367
Guinea, Rep.	0	. 0	0	Ó	0	3	814
St. Vincent	67	271	691	870	874	420	314
Kenya	0	0	247	273	494	395	424
U.S.A.	0	17	42	0	13	0	54
Others	2,470	3,024	1,698	1,865	1,684	2,666	2,003
Total	30,096	39,244	56,220	61,396	48,695	65,853	75,137

Source: Japan Marine Products Importers Association 1977-1997

Country of or	igin	1976	1977	1978	1979	1980	1981	1982
								·
Taiwan		653	610	1,137	1,317	969	870	605
Guam		0	0	0	3	2	1	0
Philippines		4	0	2	2	4	11	4
Malaysia		0	0	0	0	0	0	0
Australia		0	0	0	0	0	0	0
Fiji		0	0	0	0	0	0	0
Thailand		0	0	0	0	0	0	0
Indonesia		0	.0	0	0	0	0	0
Micronesia		0	0	0	0	0	0	0
Solomon Is.		0	0	0	0	0	0	0
Palau		0	0	0	0	0	0	0
U.S.A.		1	1	6	1	0	0	0
Singapore		0	0	1	0	0	0	2
Others		2	1	2	1	1	3	0
Total*		659	611	1,147	1,323	975	885	611

Table 8.	Japanese annual	imports of	fresh	billfish	by major
	countries and v	olume, 1976	-1996	(metric t	ons).

Country of origi	n 1983	1984	1985	1986	1987	1988	1989
Taiwan	928	1,068	1,049	1,663	1,651	1,130	798
Guam	0	0	0	1	40	8	7
Philippines	1	1	1	32	54	164	387
Malaysia	0	0	0	0	1	9	50
Australia	0	0	1	0	2	2	1
Fiji	0	0	0	0	0	0	1
Thailand	0	0	0	0	0	0	0
Indonesia	0	0	0	0	2	17	59
Micronesia	0	0	0	0	0	0	0
Solomon Is.	0	0	0	0	0	0	0
Palau	0	0,	0	0	0	0	0
U.S.A.	0	0	0	1	0	6	28
Singapore	1	0	0	1	7	27	29
Others	1	1	0	3	1	22	27
Total*	930	1,069	1,051	1,701	1,758	1,385	1,387

Table 8 (continued). Japanese annual imports of fresh billfish by major countries and volume, 1976-1996 (metric tons).

Country of origin	n 1990	1991	1992	1993	1994	1995	1996
		-					
Taiwan	1,108	1,380	1,524	987	1,061	1,179	978
Guam	34	41	40	69	160	332	260
Philippines	370	491	256	315	253	194	226
Malaysia	37	29	30	81	101	85	197
Australia	1	7	3	12	10	40	145
Fiji	5	15	15	40	103	103	91
Thailand	0	0	0	0	3	11	64
Indonesia	28	64	40	29	28	21	54
Micronesia	0	6	16	21	14	10	48
Solomon Is.	0	0	0	0	0	1	44
Palau	8	34	6	38	12	14	43
U.S.A.	16	9	19	. 7	14	10	40
Singapore	3	7	6	2	1	3	29
Others	35	40	23	81	95	45	26
Total*	1,645	2,123	1,978	1,682	1,855	2,048	2,245

Table 8 (continued). Japanese annual imports of fresh billfish by major countries and volume, 1976-1996 (metric tons).

* Total - may not add due to rounding

Source: Japan Marine Products Importers Association 1977-1997

Country of origin	1976	1977	1978	1979	1980	1981	1982
······································			· · ·	<u></u>			
Taiwan	1,931	2,575	5,325	6,166	4,599	4,459	3,238
Guam	0	0		11	6	5	0
Philippines	2	0	6	б	11	35	20
Malaysia	0	0	0	0	0	0	0
Australia	0	0	0	0	0	0	0
Fiji	0	0	0	0	0	0	· · 0
Thailand	0	0	0	0	0	0	0
Indonesia	0	0	0	0	0	0	0
Micronesia	0	0	0	0	0	0	· 0
Solomon Is.	0	0	0	0	0	0	0
Palau	0	0	. 0	0	0	0	0
U.S.A.	3	2	18	5	0	0	0
Singapore	0	0	4	0	0	0	11
Others	5	2	8	8	6	18	0
Total*	1,941	2,580	5,360	6,197	4,621	4,517	3,268

Table 9. Japanese annual imports of fresh billfish by major countries and value, 1976-1996 (U.S. \$1,000).

Country of origin	1983	1984	1985	1986	1987	1988	1989
Taiwan	4,642	5,835	5,728	9,190	9,678	7,347	5,747
Guam	0	0	0	2	90	31	38
Philippines	2	1	- 1	119	216	736	1,653
Malaysia	0	0	0	0	. 5	61	317
Australia	0	0	1	0	14	16	11
Fiji	0	0	0	0	0	0	4
Thailand	0	0	0	0	0	0	0
Indonesia	0	0	0	0	18	78	250
Micronesia	0	0	0	. 0	0	0	0
Solomon Is.	0	0	0	0	0	0	0
Palau	0	0	0	0	0	0	. 0
U.S.A.	0	0	0	2	0	18	206
Singapore	3	0	0	1	27	138	162
Others	4	7	0	22	20	131	169
Total*	4,651	5,843	5,730	9,336	10,068	8,556	8,557

Table 9 (continued). Japanese annual imports of fresh billfish by major countries and value, 1976-1996 (U.S. \$1,000). Table 9 (continued). Japanese annual imports of fresh billfish by major countries and value, 1976-1996 (U.S. \$1,000).

Country of origin	1990	1991	1992	1993	1994	1995	1996
Taiwan	7,920	10,869	11,548	9,541	10,387	10,899	8,617
Guam	225	188	240	440	991	2,175	1,683
Philippines	1,459	2,166	1,268	1,552	1,392	1,021	1,232
Malaysia	207	169	156	519	655	537	1,171
Australia	8	62	40	127	91	490	1,304
Fiji	21	95	97	297	738	834	715
Thailand	5	Ō	0	0	19	88	437
Indonesia	108	257	172	165	189	148	399
Micronesia	0	35	138	197	140	84	280
Solomon Is.	0	0	0	0	0	3	260
Palau	39	163	40	196	83	131	260
U.S.A.	120	71	164	111	166	90	279
Singapore	15	63	34	15	7	24	216
Others	208	193	160	639	731	430	215
Total*	10,335	14,331	14,057	13,799	15,589	16,954	17,068

* Total - may not add due to rounding

Source: Japan Marine Products Importers Association 1977-1997

								
Country of	Volu	ume (me	etric t	cons)	Val	ue (U.S	\$. \$1,00	00)
origin	1993	1994	1995	1996	1993	1994	1995	1996
Indonesia	351	496	580	518	1,407	2,074	2,498	2,338
Taiwan	453	358	396	434	2,298	1,606	1,916	2,373
Belize	. 1	5	57	209	6	22	276	1,105
Korea, Rep.	289	267	196	198	1,224	1,184	875	900
Singapore	91	81	73	90	473	423	431	485
Panama	102	107	97	77	444	487	462	384
Ecuador	11	19	54	60	47	77	187	232
Honduras	85	175	104	51	379	794	512	278
Portugal	82	. 59	30	30	387	232	147	152
Colombia	27	10	14	22	78	16	28	53
Ivory Coast	11	0	0	14	39	0	0	86
St. Vincent	19	18	7	12	81	84	40	62
Malaysia	127	172	21	12	566	776	88	63
Chile	17	4	10	9	71	25	45	50
Vietnam	0	0	1	5	0	0	5	25
Sri Lanka	.0	0	3	5	. 0	0	12	24
New Caledonia	ı 3	3	1	5	17	11	6	16
Philippines	0	0	0	4	0	0	0	18
Vanuatu	0	3	3	4	0	14	15	14
Australia	12	- 6	9	. 3	26	18	47	15
Peru	0	0	0	2	0	0	0	8
France	0	0	0	2	0	0	0	4
Uruguay	2,5	0	5	1	143	0	28	5
Solomon Is.	0	0	0	1	0	0	0	2
New Zealand	0	0	1	1	0	0	6	3
India	5	15	13	0	16	56	46	0
Maldive	0	8	8	0	0	21	18	0
U.S.A.	5	5	38	0	26	35	153	0
Ghana	0	0	3	0	0	. 0	13	-0
South Africa	13	· 3	6	0	66	7	9	0
Trinidad	18	0	50	0	82	0	250	0
Others	40	26	3	0	166	92	6	0
Total*	1,787	1,840	1,783	1,769	8,042	8,054	8,119	8,692

Table 10. Japanese annual imports of frozen billfish fillets by country, volume and value, 1993-1996.

* Total - may not add due to rounding

Source: Japan Marine Products Importers Association 1994-1997

							and the second second
Country of							
origin	Jan.	Feb.	Mar.	Apr.	May	June	JanJune
		· ·	<u>, , , , , , , , , , , , , , , , , , , </u>			** n=n====	
Taiwan	756	423	394	571	219	257	2,620
Honduras	232	64	35	228	104	66	728
Korea, Rep.	64	73	83	82	69	94	465
Singapore	371	20	5	1	0	28	425
Belize	25	0	22	9	84	3	141
Indonesia	63	14	12	17	16	6	123
Uruguay	0	114	1	0	3	0	118
Guinea, Rep.	4	33	0	6	4	59	106
Panama	3	31	9	6	10	8	62
South Africa	13	16	0	0	0	18	46
Trinidad	9	7	0	18	0	4	37
France	0	0	36	0	0	0	36
Malaysia	0	24	0	0	12	0	35
St. Vincent	10	0	0	14	2	0	26
Kenya	0	4	0	7	0	4	16
Guinea	0	0	0	0	13	0	13
Reunion	0	· 0.	0	0	11	0	11
Canary Is.		10	. 0	0	0	0	10
Guam	0	0	3	0	0	7	10
Portugal	0	1	0	0	0	7	8
China	0	4	0	0	4	0	8
Iran	0	0	0	7	0	0	7
Philippines	0	0	0	5	0	0	5
Ecuador	0	3	0	0	0	2	5
Sri Lanka	. 0	0	0	1	0	2	3
Gambia	0	0	· · · 0	. 3	0	0	3
Guinea Bissau	0	0	Ō	0	1	Õ	1
Others	· · · · · ·	0	• • • • • • •	Ŭ O	0	9	9
Total*	1,548	841	600	967	551	569	5,075

Table 11. Japanese monthly imports of frozen swordfish by country and volume, January-June 1997 (metric tons).

* Total - may not add due to rounding

Source: Japan Marine Products Importers Association 1997

Month	Swordfish	Other billfish	Total	Swordfish % of total
January	1,548	410	1,958	798
February	841	446	1,287	65%
March	600	710	1,310	46%
April	967	1,043	2,010	48%
May	551	996	1,547	36%
June	569	831	1,400	41%
JanJune	5,075	4,437	9,512	53%

Table 12. Japanese monthly imports of frozen swordfish and other billfish by volume, January-June 1997 (metric tons).

Source: Japan Marine Products Importers Association 1997

Table 13.	Japanese	monthly	imports	of fro	ozen	swordfish	and other
	billfish	by value	, Januar	ry-June	e 199	7 (U.S. \$	1,000).

Month	Swordfish	Other billfish	Total	Swordfish % of total
January	8,135	1,278	9,413	86%
February	4,112	1,434	5,546	74%
March	2,763	2,060	4,823	57%
April	4,836	2,881	7,717	63%
May	2,518	2,567	5,085	50%
June	2,639	2,282	4,921	54%
JanJune	25,003	12,502	37,505	67%

Source: Japan Marine Products Importers Association 1997

MARKET

Swordfish is sold though auctions, at consumer-center wholesale markets in larger cities, and at production-center wholesale markets at Japanese ports of landings. It is also sold directly to processors or representatives of supermarket chains and department stores (K. Oogane, pers. comm.).¹ There are about 270 consumer-center fish wholesale markets and 340 productioncenter fish wholesale markets in Japan (Suisan sha 1993 and The largest consumer-center fish wholesale market in 1995). Japan is the Tokyo Central Wholesale Market. In 1996, the market handled 750,000 mt of fishery products valued at about seven billion dollars (Suisan Keizai sha April 1, 1997). It therefore plays an important role in supplying information on the supply and demand of fishery products in Japan. Also, the wholesale price determined in the Tokyo Central Wholesale Market becomes a price index for fishery products throughout the world.

Wholesale prices for swordfish vary widely, depending on quality of fish, volume of supply, the dollar-yen exchange rate, and other factors.

In recent years, swordfish has commanded higher prices in Japan than all other species of billfish, except highly prized fresh striped marlin (Figures 9 and 10 and Table 14). In 1996, wholesale prices of swordfish increased 18 percent for frozen fish and 9 percent for fresh fish from 1995 level while prices of other billfish except fresh blue marlin declined. Most swordfish went to high-end sashimi markets and not into processed products.

In Japan, swordfish are handled, sold, and consumed as a type of tuna. In recent years, wholesale prices in Japan for fresh and frozen swordfish have exceeded those for yellowfin tuna (Figures 11 and 12 and Table 15).

Tables 16-19 show monthly and annual average wholesale prices and sales volume for fresh and frozen swordfish at the Tokyo Central Wholesale Market between 1986 and 1996. Annual and monthly average wholesale prices fluctuated for both fresh and frozen swordfish, and the fluctuations were influenced mainly by volume of supply (Figures 13-18). As is usually the case, the greater the supply, the lower the price.

The price trends of wholesale prices at the Tokyo Central Wholesale Markets and average exvessel prices at 51 landing ports showed very similar patterns for both fresh and frozen swordfish during the last 11 years (Figures 19 and 20).

¹Personal Communications: Oogane, K. Kitada Suisan Co., Ltd. 5-11-11 Kachidoki, Chuo-ku, Tokyo, Japan. July 1996.

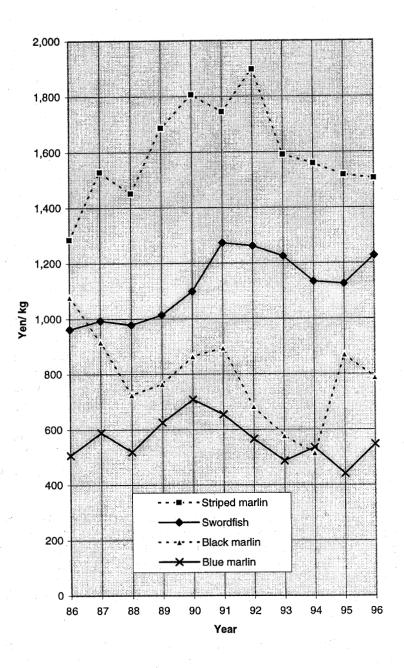


Figure 9. Annual average wholesale prices of fresh billfish at Tokyo Central Wholesale Market, 1986-1996 (yen/kg). (Source: Tokyo Metropolitan Government 1987-1997)

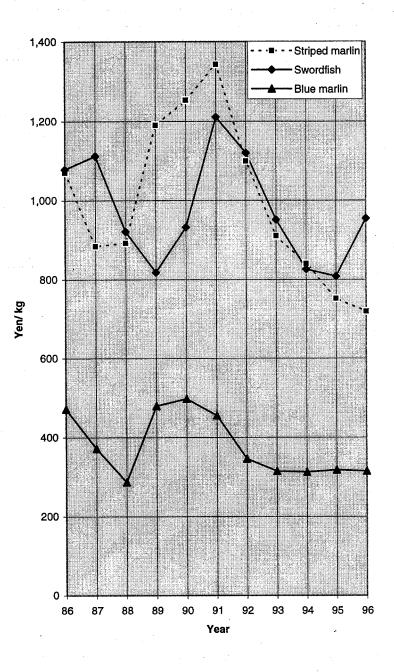


Figure 10. Annual average wholesale prices of frozen billfish at Tokyo Central Wholesale Market, 1986-1996 (yen/kg). (Source: Tokyo Metropolitan Government 1987-1997)

Year	Striped	d marlin	Sword	lfish	Black marlin	Blue	marlin
	Fresh	Frozen	Fresh	Frozen	Fresh	Fresh	Frozen
			÷		· · ·		
1986	1,285	1,070	962	1,078	1,078	507	472
1987	1,529	884	993	1,112	916	589	372
1988	1,451	892	978	921	725	519	287
1989	1,687	1,190	1,014	818	764	626	480
1990	1,806	1,253	1,099	932	864	708	498
1991	1,745	1,343	1,273	1,211	894	654	456
1992	1,897	1,099	1,262	1,120	682	566	346
1993	1,591	910	1,225	951	577	487	315
1994	1,559	840	1,134	826	515	535	313
1995	1,518	752	1,126	808	870	441	318
1996	1,505	719	1,227	954	787	547	315

Table 14. Annual average wholesale prices of billfish by species at Tokyo Central Wholesale Market, 1986-1996 (Yen/kg).

Source: Tokyo Metropolitan Government 1987-1997

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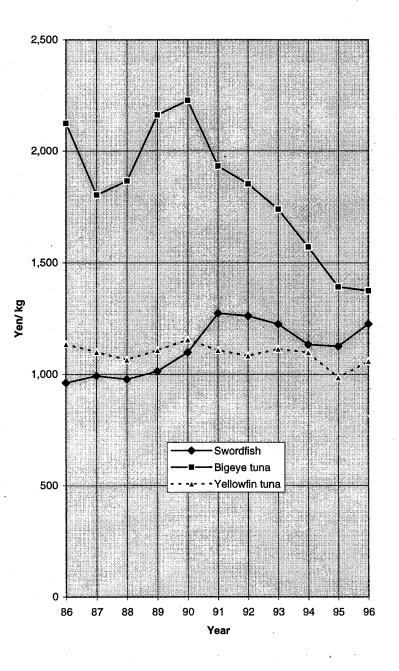


Figure 11. Annual average wholesale prices of fresh swordfish, bigeye tuna, and yellowfin tuna at Tokyo Central Wholesale Market, 1986-1996 (yen/kg). (Sources: Tokyo Metropolitan Government 1987-1997; Ministry of Agriculture, Forestry and Fisheries 1988-1997)

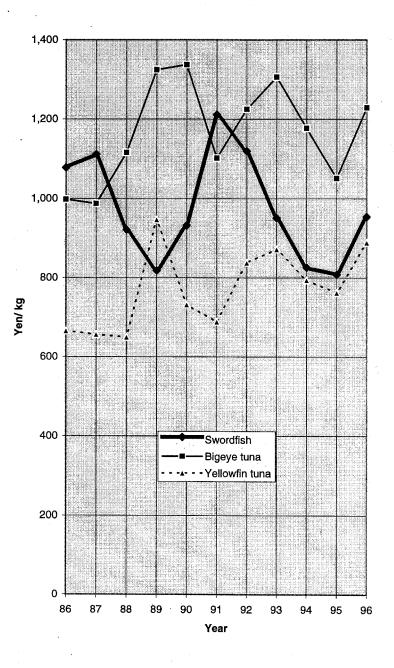


Figure 12. Annual average wholesale prices of frozen swordfish, bigeye tuna, and yellowfin tuna at Tokyo Central Wholesale Market, 1986-1996 (yen/kg). (Sources: Tokyo Metropolitan Government 1987-1997; Ministry of Agriculture, Forestry and Fisheries 1988-1997)

Year	Bluef	in tunà	Bigeye	e tuna	Yellowf	in tuna
	Fresh	Frozen	Fresh	Frozen	Fresh	Frozen
1983	2,200	3,240	2,057		1,169	782
1984	3,051	3,079	1,989	1,308	1,201	967
1985	2,827	2,998	1,881	1,113	1,097	830
1986	3,467	3,665	2,124	998	1,136	666
1987	2,975	3,450	1,803	987	1,100	657
1988	3,473	3,749	1,866	1,116	1,065	650
1989	3,680	4,754	2,162		1,108	947
1990	4,937	4,293	2,227		1,156	732
1991	3,841	3,914	1,932	-	1,108	689
1992	3,447	3,672	1,852		1,083	838
1993	3,246	3,896	1,739		1,114	872
1994	2,535	3,201	1,570	•	1,098	794
	2,597	-	1,392		986	762
1995		2,733	•			
1996	2,732	3,076	1,374	1,229	1,059	889

Table 15. Annual average wholesale prices of tuna by species at ten major central wholesale markets in Japan, 1983-1996 (yen/kg)*

* - 1983-1990 average at 6 major central wholesale markets.

Source: Ministry of Agriculture, Forestry and Fisheries 1984-1997

Monthly average wholesale prices of fresh swordfish at Tokyo Central Wholesale Market, 1986-1996 (yen/kg). Table 16.

									·		
Month	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996
											1.5
January	954	949	ω	9		0	,16	, 08	, 09	, 14	,15
February	877	940	\sim	Q		0	,31	,17	, 11	, 03	, 19
March	960	1,016	972	1,048	1,054	1,351	1,324	1,361	1,164	1,175	1,259
April	960	956	σ	Ο		č,	, 25	,19	, 22	, 26	, 34
May	954	953	വ	9 0	, 02	2	, 21	, 22	, 20	,18	, 21
June	975	1,021	5	511	,09	2	, 33	, 31	, 06	, 05	, 18
July	1,016	1,077	თ	Ю	,16	2	, 04	, 25	,01	93	6 0
August	606	961	$^{\circ}$	S	, 09	с,	, 39	,12	, 14		, 23
September	996	1,051	0	Ю	, 22	4	, 51	, 30	, 05	, 19	, 25
October	958	1,008	വ	, 23	, 50	4	,19	, 27	, 29	, 44	, 34
November	1,045	1,065	,09	\sim	, 32	č,	,49	, 28	,20	, 29	, 51
December	1,022	06	\sim	, 15	, 31	1,	, 27	,19	,17	, 15	,29
JanDec.	962	993	5	,01	,09	<u>م</u> .	,26	,22	ŝ	1	, 22
			-								-

Source: Tokyo Metropolitan Government 1987-1997

tral Wholesale Market,	
swordfish at Tokyo Cen	
Monthly sales volume of fresh	1986-1996 (metric tons).
Table 17.	

Month	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996
							- -				
January	98	109	8 8 8	63	94	43	76	102	90	84	77
February	128	128	125	73	101	72	56	97	9 8 0	123	88
March	132	111	111	101	111	49	73	81	115	96	97
April	63	109	0	82	80	59	82	101	78	76	84
Mav	79		73	81	65	51	52	79	63	78	88
June	56	47	53	51	52	40	46	62	98	93	91
Julv	69	47	63	73	42	53	101	87	106	130	137
August	66	52	61	89	38	29	42	8 9	69	87	81
September	78	49	69	78	29	36	36	70	75	61	76
October	63		53	34	19	28	84	83	62	47	83
November	55	53	51	42	37	41	47	69	76	63	56
December	73		61	60	38	60	81	90	72	82	79
JanDec.*	1,006	925	890	881	706	561	775	1,010	1,003	1,022	1,036

* - may not add due to rounding.

Source: Tokyo Metropolitan Government 1987-1997

Monthly average wholesale prices of frozen swordfish at Tokyo Central Wholesale Market, 1986-1996 (yen/kg). Table 18.

Month	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996
											-
January	942	1,100	8	9	4	, 00	, 02	5	\sim	σ	5
February		1,088	929	849	828	1,036	1,036	970	795	784	834
March	977	1,094	\sim	\sim	Ы	,16	, 05	ω	0	5	9
April	1,041	1,097	4	\sim	4	,21	, 11	, 01	Ч	2	ω
May	1,034	1,141	ഹ	5		, 28	, 13	\sim	\sim	9	\sim
June		1,176	വ	4	0	,34	,21	, 02	$^{\circ}$	5	ω
July		ഗ	4	4	ப	, 35	,21	ω	С	8	ω
August		1,165	4	0	, 00	, 33	, 18	9	4	Ч	, 03
September	1,155	1,151	Ч	σ١	Ч	, 31	,18	0	\sim	ഹ	2
October	1,092	1,117	Q	ഹ	,16	, 25	, 13	ω	വ	9	, 01
November	1,146	l,077	σ	9	,10	,15	, 11	ഗ	\sim	9	,02
December	1,128	996	9	4	, 03	,06	, 03	\mathcal{C}	0	9	, 01
JanDec.	1,078	1,112	\sim	Ч	\sim	,21	, 12	ப .	\mathbf{N}	0	ß

Source: Tokyo Metropolitan Government 1987-1997

tric tons).
1986-1996 (me
19

									r		
Month	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996
January	410	321		6	÷	ഹ	ω	9	0	-	0
February	429	397	398	406	440	341	351	291	332	333	392
March	545		വ	Ч	0	0	Ó	σ	0	σ	5
April	760	σ	ω	Q	ഥ	0	-H	\sim	ω	σ	σ
May	448	394	σ	4	Ч	σ	ω	\sim	σ		σ
June	397	5	$^{\circ}$	σ	Ч	ഗ	9	9	Ч	0	0
July		5	\sim	\sim	ω	З	4	\sim	4	\sim	ω
August	355	H	0	ω	$^{\circ}$	\sim	σ	\sim	4	\sim	5
September		625	σ	σ	9	വ	ம	ω	5	σ	5
October	783	761		\sim	വ	വ	Ś	6	5	\sim	2
November	457	422	9	\sim	0	\sim	1	ഥ	9	ഹ	S
December	451	388	വ	σ	Ţ	6	\mathbf{c}	\sim	4	\sim	\mathcal{C}
JanDec.*	6,245	5,592	N	Ч	ω	თ	\sim	$^{\circ}$	ω	თ	വ

* - may not add due to rounding.

Source: Tokyo Metropolitan Government 1987-1997

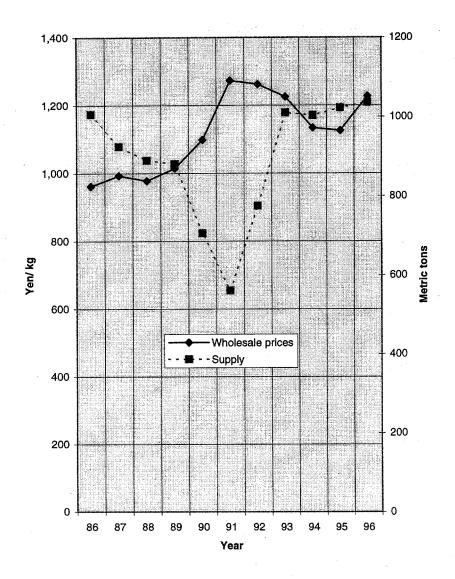


Figure 13. Annual average wholesale prices of fresh swordfish and supply of fresh swordfish at Tokyo Central Wholesale Market, 1986-1996. (Source: Tokyo Metropolitan Government 1987-1997)

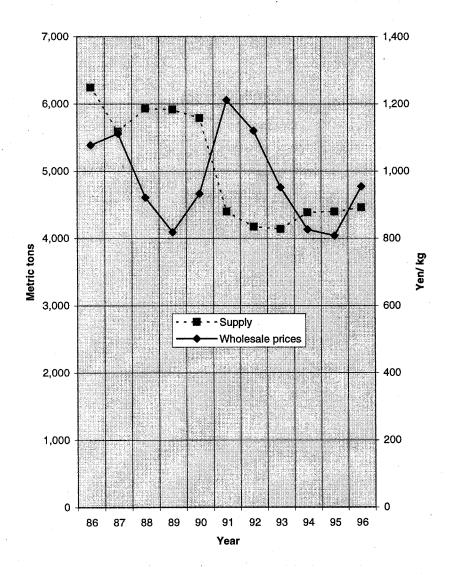


Figure 14. Annual average wholesale prices of frozen swordfish and supply of fresh swordfish at Tokyo Central Wholesale Market, 1986-1996. (Source: Tokyo Metropolitan Government 1987-1997)

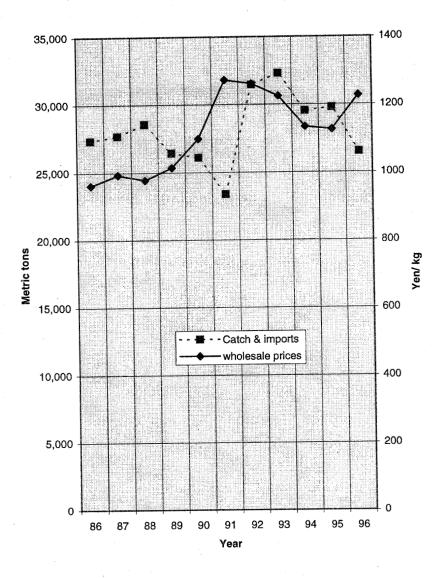


Figure 15. Annual average wholesale prices of fresh swordfish at Tokyo Central Wholesale Market and Japanese total supply (catch and imports) of swordfish, 1986-1996. (Sources: Tokyo Metropolitan Government 1987-1997; Ministry of Agriculture, Forestry and Fisheries 1997; FAO 1996, 1997; Japan Marine Products Importers Association 1987-1997)

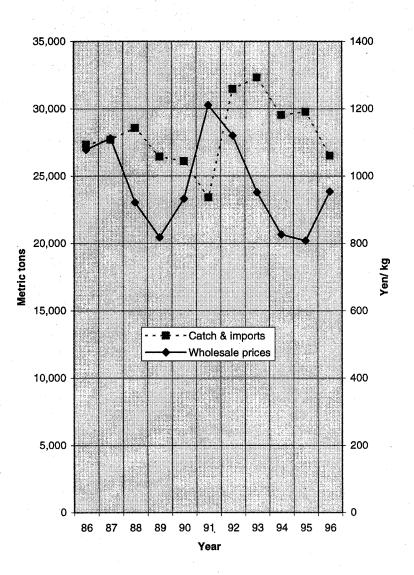
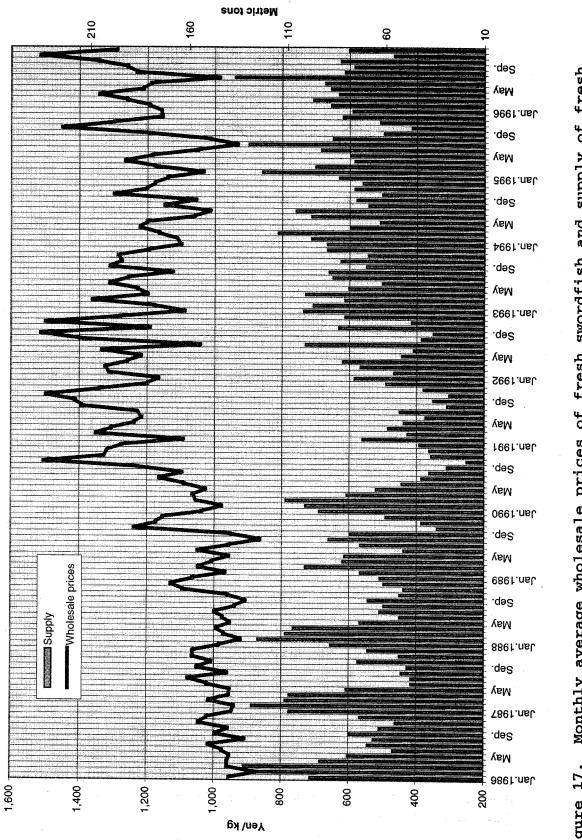
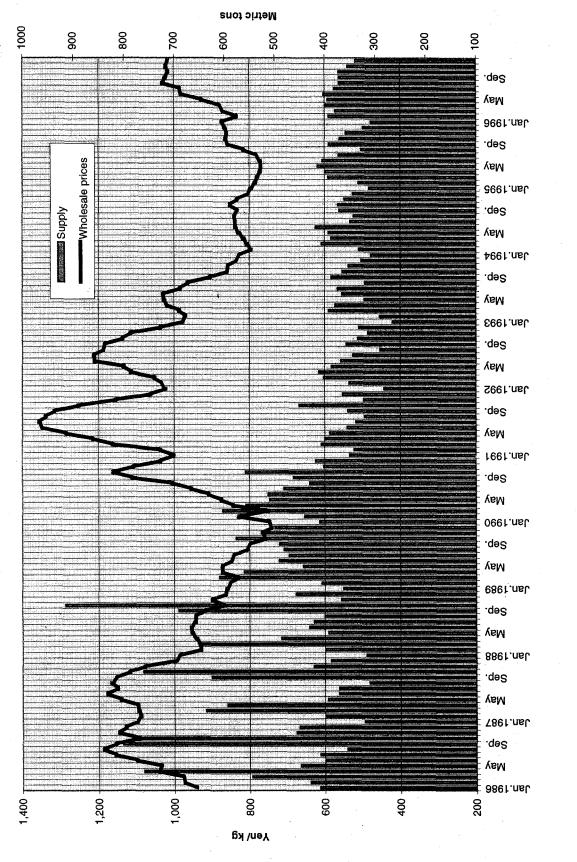


Figure 16. Annual average wholesale prices of frozen swordfish at Tokyo Central Wholesale Market and Japanese total supply (catch and imports) of swordfish, 1986-1996. (Sources: Tokyo Metropolitan Government 1987-1997; Ministry of Agriculture, Forestry and Fisheries 1997; FAO 1996, 1997; Japan Marine Products Importers Association 1987-1997)







Monthly average wholesale prices of fresh swordfish and supply of frozen (Source: Tokyo swordfish at Tokyo Central Wholesale Market, 1986-1996. Metropolitan Government 1987-1997) Figure 18.

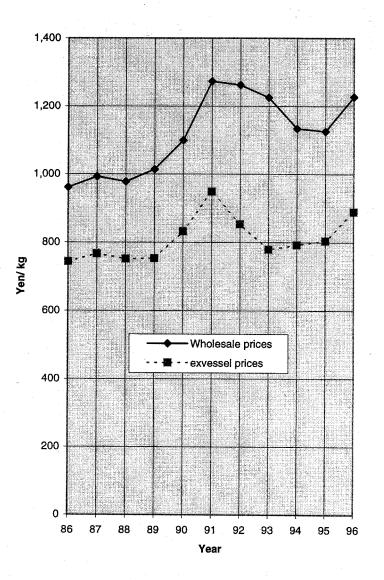


Figure 19.

Annual average wholesale prices of fresh swordfish at Tokyo Central Wholesale Market and annual average exvessel prices at 51 major landing ports in Japan, 1986-1996 (yen/ kg). (Sources: Tokyo Metropolitan Government 1987-1997; Ministry of Agriculture, Forestry & Fisheries 1988-1977; Suisan Keizai Shinbun Sha 1997)

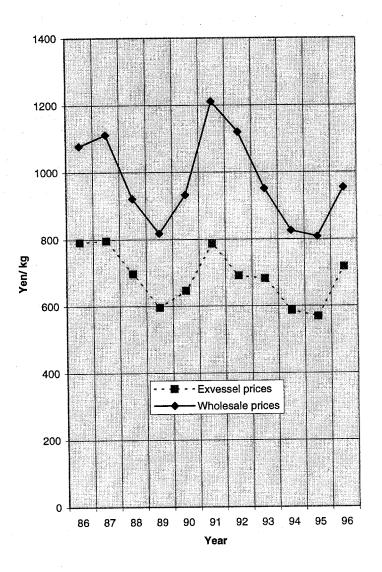


Figure 20. Annual average wholesale prices of frozen swordfish at Tokyo Central Wholesale Market and annual average exvessel prices at 51 major landing ports in Japan, 1986-1996 (yen/ kg). (Sources: Tokyo Metropolitan Government 1987-1997; Ministry of Agriculture, Forestry & Fisheries 1988-1977; Suisan Keizai Shinbun Sha 1997)

SUPPLY

Japan is the world's largest market for swordfish, taking an average of 28,262 mt of swordfish or 37 percent of the world's swordfish catches during 1986-1995 (Tables 1 and 20). Supply for this market comes from both domestic catch as well as imports. The percentage of the Japanese swordfish market supplied by imports has increased from 29 percent in 1970 to 47 percent in 1996.

CONSUMPTION

Swordfish is a popular fish in Japan. It is prepared in various ways for the table by the Japanese. The most popular dish is "sashimi," which typically consists of slices of raw seafood, served with soysauce and condiments. The fish is also consumed as "teriyaki" a dish made with fish, shellfish, or meat marinated in soy sauce and other flavorings, then grilled or broiled. Swordfish is sold as fresh and frozen steaks or fillets in department stores, supermarkets, and fish retailers.

	·····		· · · · · · · · · · · · · · · · · · ·			
		_				Supply
Year	•	Catch	Imports*	Supply	% of	world total
		· · · · · · · · · · · · · · · · · · ·				
1970		20,800	8,605	29,405		72
1971		13,000	8,421	21,421		80
1972		13,300	8,083	21,383		76
1973		13,000	9,080	22,080		70
1974		12,616	9,336	21,952		85
1975		14,645	10,132	24,777		86
1976		17,105	11,414	28,519		87
1977		15,077	10,597	25,674		77
1978		16,116	11,388	27,504		69
1979		14,699	11,156	25,855		68
1980	2	14,675	8,509	23,184		62
1981		16,171	8,312	24,483		63
1982		16,071	7,545	23,616		55
1983		15,615	7,506	23,121		50
1984		17,147	6,552	23,699		45
1985		19,642	6,469	26,111		44
1986		18,352	8,982	27,344		45
1987		18,565	9,124	27,689		41
1988		20,705	7,862	28,567		35
1989		18,311	8,120	26,431		34
1990		18,043	8,056	26,099		35
1991		14,341	9,057	23,398		34
1992		21,152	10,316	31,468		39
1993		21,195	11,118	32,313		38
1994		19,776	9,749	29,525		35
1995		18,387	11,394	29,781		. 33
1996		14,000	12,506	26,506		NA**

Japanese annual supply of swordfish, 1970-1996 Table 20. (metric tons).

* - Estimated, under the assumption that the ratio of imported swordfish to total imported billfish during January-June 1997 (53 percent in volume) also prevailed during 1970-1996.

NA** - Not available

Sources:

FAO 1972, 1977, 1980, 1984, 1987, 1996 Ministry of Agriculture, Forestry and Fisheries 1997 Japan Marine Products Importers Association 1971-1997

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Month	1976	1977	1978	1979	1980	1981	1982
Jan.	305.50	292.64	240.73	195.98	237.68	203.99	221.36
Feb.	302.84	288.41	241.46	199.16	240.35	203.44	231.15
Mar.	301.50	282.49	236.94	203.39	247.44	207.80	237.03
Apr.	299.30	275.91	222.99	210.87	252.39	211.99	246.01
May	299.00	277.66	225.36	217.81	238.71	217.18	237.25
June	299.83	275.79	222.54	219.83	221.44	223.89	243.66
July	296.89	267.78	205.17	217.24	217.95	226.55	256.07
Aug.	292.81	265.70	191.18	216.13	224.85	236.35	257.18
Sep.	288.18	267.14	190.94	220.54	219.10	230.26	258.60
Oct.	288.43	261.78	187.76	225.41	210.18	229.15	268.14
Nov.	294.12	249.13	184.41	238.48	211.28	230.56	272.81
Dec.	295.68	241.87	196.54	244.62	212.85	218.15	250.33
Month	1983	1984	1985	1986	1987	1988	1989
Jan.	232.89	233.83	252.04	202.07	159.01	126.01	125.64
Feb.	237.03	233.98	256.66	193.53	152.70	128.57	128.49
Mar.	235.99	228.79	260.53	180.21	153.47	128.72	128.00
Apr.	238.61	225.10	254.49	178.62	146.97	125.64	132.12
May	235.43	227.48	251.36	167.08	139.91	124.76	133.78
June	238.48	231.56	250.26	169.29	142.58	125.23	143.06
July	239.93	238.69	246.22	163.17	147.81	131.40	141.60
Aug.	242.70	243.69	237.92	155.04	150.83	133.12	140.29
Sep.	244.80	243.02	239.20	154.66	143.02	134.21	145.10
Oct.	236.15	246.68	221.43	154.23	144.59	132.58	142.58
Nov.	234.22	244.08	209.32	160.34	138.52	125.36	142.67
Dec.	234.81	246.07	202.60	162.73	132.65	122.21	143.83
Month	1990	1991	1992	1993	1994	1995	1996
Jan.	144.36	135.27	126.21	124.66	111.79	100.25	104.49
Feb.	144.93	130.97	125.47	123.98	109.23	99.19	106.38
Mar.	148.61	134.02		117.95	105.04	94.49	105.32
Apr.	156.99	137.68	133.37	115.05	104.47	86.99	107.07
May	157.09	137.71	132.77	110.81	103.07	83.75	106.02
June	159.28	139.05	128.15	107.97	104.29	84.96	108.19
July	151.95	138.85	125.61	108.16	99.55	85.46	109.55
Aug.	148.90	137.00	126.99	105.38	99.57	90.73	107.84
Sep.	142.96	136.24	124.36	104.37	99.25	98.48	108.78
Oct.	133.82	131.72	121.03	105.79	98.97	100.88	110.99
Nov.	128.31	130.47	122.71	107.80	97.41	101.56	112.86
Dec.	130.86	129.14	124.11	108.35	99.22	101.51	112.70
Source	Japan Mar	ine Prod	lucts Imr	orters A	ssociati	on 1977-	1997

Appendix 1. Monthly average exchange rate applied to Japanese imports, 1976-1996 (yen/U.S. \$1.00).

Source: Japan Marine Products Importers Association 1977-1997

Appendix 2. Major Japanese seafood importers

COMPANY: Active Foods K.K. ADDRESS: 9F Kanayararu Bldg., 4-8-4 Kumochi-cho Chuo-ku, Kobe 651 PHONE: 078 - 231 - 2700FAX: 078-231-1022 CONTACT: n/a PRODUCTS: Frozen cuttlefish, shrimp, pomfret, crab COMPANY: Alpha Seafoods Co., Ltd. ADDRESS: 7F Moroi Bldg., 2-11-11 Tsukiji Chuo-ku, Tokyo 104 PHONE: 03-3542-5522 FAX: 03-3542-5737 CONTACT: Akihide Takeuchi PRODUCTS: Salmon roe, herring roe, other fish roe, frozen salmon. COMPANY: Anyo Fisheries Co., Ltd. ADDRESS: 5F Yamada Aoyama Bldg., 2-10-6 Shibuya Shibuya-ku, Tokyo 150 PHONE: 03-3406-0359 FAX: 03-3406-0853 CONTACT: n/a PRODUCTS: Frozen Atka mackerel, black cod, cod, salmon, sea bream, sole, salmon roe, king crab, snow crab, lobster COMPANY: Benirei Corporation ADDRESS: 4-9-25 Shibaura Minato-ku, Tokyo 108 PHONE: 03-3769-0031 FAX: 03-3769-0043 CONTACT: Mr. Kamada PRODUCTS: Frozen black cod, bottomfish, butterfish, capeline, cod, flounder, halibut, herring, horse mackerel, mackerel, rockfish, salmon, saury, sole, capelin roe, herring roe, salmon roe, lobster, snow crab, swimming crab, cuttlefish, octopus, abalone

COMPANY: ADDRESS: PHONE: FAX: CONTACT: PRODUCTS:	Co-op Trade Japan Ltd. Seikyo Kaikan 4F, 4-1-13 Sendagaya Shibuya-ku, Tokyo 151 03-3796-6354 03-3796-6366 Tatsuo Sekiya Black cod, eel, herring, horse mackerel, mackerel, pollock, salmon, herring roe, pollock roe, salmon roe, shrimp, snow crab
COMPANY: ADDRESS: PHONE: FAX: CONTACT: PRODUCTS:	Daimaru Kogyo Ltd. 2-18-11 Kiba Koto-ku, Tokyo 135 03-3820-7123 03-3820-7089 Haruji Fujimori Black cod, butterfish, flounder, halibut, herring, salmon, smelt, sole, herring roe, pollack roe, salmon roe, shrimp, king crab, tanner crab, abalone, baby clam
COMPANY: ADDRESS: PHONE: FAX: CONTACT: PRODUCTS:	Eastern Products Co., Ltd. 2-8-4 Kachidoki Chuo-ku, Tokyo 104 03-3215-0371 03-3215-0370 Kaoru Fukuda Finfish, shrimp, cuttlefish, octopus
ADDRESS: PHONE: FAX: CONTACT:	Ebijo & Co., Ltd. 6-23-5 Tsukiji Chuo-ku, Tokyo 104 03-5546-2800 03-5546-2900 n/a Herring, salmon, salmon roe, shrimp, lobster, cuttlefish, squid, oyster, scallop
CONTACT:	Ebino Daimaru Co., Ltd. 6-7-21 Tsukiji Chuo-ku, Tokyo 104 03-3541-7281 03-3541-4959 Junichi Matsui Shrimp, lobster, crawfish

Gomeikaisha Aburamasa Shoten COMPANY: ADDRESS: 14-4 Hananocho Shimonoseki, Yamaguchi Pref. 750 PHONE: 0832-31-1230 FAX: 0832-22-0435 CONTACT: n/a PRODUCTS: All fishery products Hanwa Co., Ltd., Tokyo COMPANY: ADDRESS: 1-13-10 Tsukiji Chuo-ku, Tokyo 104 PHONE: 03-3544-2323 FAX: 03-3544-2050 CONTACT: Kazuo Yokota PRODUCTS Black cod, capeline, herring, red fish, salmon, herring roe, shrimp, lobster, cuttlefish Happy World Inc. COMPANY: ADDRESS: Shibuya Happy Bldq. 6-19-14 Jingumae Shibuya-ku, Tokyo 150 03-5466-4080 PHONE: 03-5466-4108 FAX: CONTACT: n/a PRODUCTS: Horse mackerel, salmon, tuna, shrimp, lobster, crab, seashell COMPANY: Hiro Seafoods Inc. ADDRESS: Akashicho Twin Cross, Rm 315, 1-3 Akashicho Chuo-ku, Tokyo 104 PHONE: 03-3248-2317 FAX: 03-3248-6288 CONTACT: n/a PRODUCTS: Salmon, flatfish, salmon roe Hohsui Corporation COMPANY: ADDRESS: Kyoei Bldg., 1-6-1 Hatchobori Chuo-ku, Tokyo 104 PHONE : 03-3297-8181 FAX: 03-3297-8205 CONTACT: n/a PRODUCTS: Black cod, butterfish, horse mackerel, herring, salmon, surimi, herring roe, pollack roe, salmon roe, shrimp, prawn, American lobster, rock lobster, king crab, tanner crab, fish meal, mackerel

COMPANY:	Hokkai Seafoods Co., Ltd.
ADDRESS:	6-17-4 Tsukiji
	Chuo-ku, Tokyo 104
PHONE :	03-3546-1261
FAX:	03-3546-1260
CONTACT:	Koichi Yamamoto
PRODUCTS:	Mullet roe, capeline, herring, mackerel, salmon, trout,
	capeline roe, herring roe, herring roe on kelp, pollock
	roe, salmon roe, trout roe, squid
COMPANY:	Hoko Fishing Co., Ltd.
ADDRESS:	1-2-4 Tsukiji
	Chuo-ku, Tokyo 104
PHONE :	03-3542-5644
FAX:	03-3545-2167
CONTACT:	n/a
	Flatfish, horse mackerel, mackerel, merluza, red fish,
	salmon, sea bream, fresh snapper, herring roe, pollack
	roe, salmon roe, shrimp, lobster, king crab, snow crab,
	cuttlefish, squid, octopus, surf clam
	oucciciism, squiu, cocopus, suir cium
COMPANY:	Honami Bussan Co., Ltd.
ADDRESS:	1-3-7 Izakicho
ADDRESS:	Shimonoseki, Yamaguchi Pref. 750
	0832-67-5670
PHONE:	
FAX:	0832-66-2181
CONTACT:	n/a
PRODUCTS:	Live, fresh, frozen fishery products
COMPANY:	Icicle Seafoods (Japan) Ltd.
ADDRESS:	Kinsen Bldg., 2-14-8 Tsukiji
	Chuo-ku, Tokyo 104
PHONE :	03-3545-4751
Fax:	03-3545-4767
CONTACT:	Mr. Nakano
PRODUCTS:	Black cod, halibut, herring, salmon, herring roe,
	salmon roe, king crab, tanner crab, imitation crab meat

COMPANY:	Itochu Corporation
ADDRESS:	2-5-1 Kitaaoyama
	Minato-ku, Tokyo 107
PHONE:	03-3497-6185
FAX:	03-3497-6186
CONTACT:	Marine Products Dept.
	Albacore, black cod, butterfish, capelin, halibut,
inoboeib.	herring, mackerel pike, marlin, redfish, saith, salmon,
	skipjack, smelt, tuna, yellowfin, caplein roe, herring
	roe, salmon roe, snow crab, cuttlefish, squid, octopus,
	canned tuna, canned mackerel, canned sardine
	cumica cana, camea macrei e, comer en en en
COMPANY:	Ito-Yokado
ADDRESS:	4-1-4 Shibakoen
ADDREDD.	Minato-ku, Tokyo 105
PHONE:	03-3459-3304
FAX:	03-3434-8375
CONTACT:	
	Rockfish, salmon, all seafood
110000101	
COMPANY:	Kaioh Suisan Co., Ltd.
ADDRESS:	2-6-7 Tsukiji
	Chuo-ku, Tokyo 104
PHONE :	03-3543-6066
FAX:	03-3545-1689
CONTACT:	Keisuke Aoyama
	Cod, horse mackerel, pollock, plaice, rockfish, salmon,
	sole, tuna, surimi, cod roe, salmon roe, crab,
	cuttlefish, octopus, pollock roe
COMPANY:	Kanekyo-Sanyu Reizo Co., Ltd.
ADDRESS:	Kachidoki Shuhan Bldg., 7-10-10 Tsukiji
	Chuo-ku, Tokyo 104
PHONE :	03-3543-5318
FAX:	03-3545-6071
	All fishery products

COMPANY: Kanematsu Corporation ADDRESS: 1-2-1 Shibaura Minato-ku, Tokyo 105-05 PHONE : 03-5440-9530 FAX: 03-5440-6554 CONTACT: Meat & Marine Product Dept. PRODUCTS: Eel, salmon, snapper, shrimp, lobster, crab, cuttlefish, squid, other fish Kasho Co., Ltd., Tokyo COMPANY: ADDRESS: 2-14-9 Nihonbashi Chuo-ku, Tokyo 103 03-3276-7630 PHONE : FAX: 03-3278-8280 Provisions, Meats & Marine Products Section CONTACT: PRODUCTS: Sillago, salmon, shrimp, lobster, crab, cuttlefish, squid, abalone, clam, loco, fish roe COMPANY: Kawaei Shokai Co., Ltd. 1-16-2 Yamatomachi ADDRESS: Shimonoseki, Yamaguchi Pref. 750 PHONE: 0832-66-7557 0832-66-7557 FAX: CONTACT: n/a PRODUCTS: Pollock roe, cuttlefish, dried squid, other fish Kawamoto Shoji Co., Ltd. COMPANY : ADDRESS: 1-10-13 Yamatomachi Shimonoseki, Yamaguchi Pref. 750 PHONE : 0832-67-1321 FAX: 0832-67-1322 CONTACT: n/a PRODUCTS: All fishery products COMPANY: Kawasho Corporation 2-7-1 Ohtemachi ADDRESS: Chiyoda-ku, Tokyo 100-70 03-5203-5232 PHONE : 03-5203-5386 FAX: CONTACT: Food Stuff Dept. PRODUCTS: flatfish, red fish, salmon, herring roe, salmon roe, shrimp, squid

COMPANY: Kin Nan Shoji Co., Ltd. ADDRESS: 1-16-1 Yamatomachi Shimonoseki, Yamaguchi Pref. 750 PHONE: 0832-67-7121 FAX: 0832-66-3224 CONTACT: n/a PRODUCTS: Fresh and frozen shellfish from S. Korea COMPANY: Kinsho-Mataichi Corporation 2 Shuwa Shinkawa Bldg., 1-24-1 Shinkawa ADDRESS: Chuo-ku, Tokyo 104 03-3297-7270 PHONE: 03-3297-7398 FAX: CONTACT: n/a PRODUCTS: Cod, mackerel, sole, shrimp, cuttlefish, frozen salmon Nogami Shoten COMPANY: ADDRESS: 4-12-30 Nishiyamacho, Hikoshima Shimonoseki, Yamaguchi Pref. 750 PHONE : 0832-67-7435 FAX: 0832-67-8392 n/a CONTACT: PRODUCTS: Mackerel, pollock roe, cuttlefish, squid, shrimp, adductors of shellfish K.K. Ryosui (Diamond Seafoods Co., Ltd.) COMPANY: ADDRESS: 1-8-8 Shinkawa Chuo-ku, Tokyo 104 PHONE: 03-5541-3207 FAX: 03-5541-3261 CONTACT: n/a PRODUCTS: Capelin, herring, king clip, merluza, red snapper, salmon, trout, capeline roe, herring roe, salmon roe, trout roe, shrimp, arctic shrimp, lobster, crab, cuttlefish, squid, octopus COMPANY: Kosei Trading Ltd. ADDRESS: Togeki Bldg., 4-1-1 Tsukiji Chuo-ku, Tokyo 104 PHONE: 03-5565-5661 FAX: 03-5565-5660 CONTACT: n/a PRODUCTS: Bottom fish, herring, salmon, fish roe

COMPANY: ADDRESS: PHONE: FAX: CONTACT: PRODUCTS:	Kyoei Suisan Co., Ltd. 402 Kyorin Bldg., 9-6 Hananocho Shimonoseki, Yamaguchi Pref. 750 0832-34-2615 0832-35-9894 n/a Horse mackerel, mackerel, merluza, pollock roe
COMPANY: ADDRESS: PHONE: FAX: CONTACT: PRODUCTS:	<pre>Kyokuyo Co., Ltd. 2-1-2 Marunouchi Chiyoda-ku, Tokyo 100 03-3211-0151 03-3211-0196 n/a Black cod, bottomfish, capeline, herring, red fish, salmon, surimi, herring roe, salmon roe, shrimp, lobster, crab, cuttlefish, squid, octopus, tanner crab, fishmeal</pre>
CONTACT:	Kyoritsu Shoji Co., Ltd. No. 210, 3-2-7 Buzendacho Shimonoseki, Yamaguchi Pref. 750 0832-31-1777 0832-22-0262 n/a Frozen and salted fish, seaweed
CONTACT:	Marubeni Corporation 1-4-2 Ohtemachi Chiyoda-ku, Tokyo 100 03-3282-4752 03-3282-9654 Marine Products Dept. Herring, red fish, salmon, tuna, surimi, shrimp, crab, cuttlefish, squid, Pacific cod
CONTACT:	Marudai Sato Suisan Corp. 3-20, 6-chome 3-jo, Nijuyonken Nishi-ku, Sapporo 063 011-621-6111 011-642-9274 Yoshiharu Ota Salmon, crab, sea urchin

COMPANY:	Maruha Corporation
	1-1-2 Otemachi
	Chiyoda-ku, Tokyo 100
PHONE :	03-3216-0945
FAX:	03-3216-0848
CONTACT:	n/a
	Capelin, black cod, bottom fish, butterfish, cod,
IRODOCID.	flounder, hake, herring, horse mackerel, pollock,
	salmon, skipjack, snapper, tuna, shrimp, lobster, crab,
	cuttlefish, squid, octopus, abalone, perna, hake
	cutterish, squid, occopus, abatone, perna, nake
COMDANY .	Marukyo Cooperative Ltd.
COMPANY: ADDRESS:	2-8-2 Sakanamachi
ADDRESS:	
	Ishinomaki, Miyagi 985
PHONE :	0225-93-2311
	0225-96-2158
CONTACT:	n/a
PRODUCTS:	Bottomfish, salmon, fish eggs
COMPANY :	Marutaka Co., Ltd.
ADDRESS:	1-2-8 Yamatocho
	Shimonoseki, Yamaguchi Pref. 750
PHONE :	0832-66-4106
FAX:	0832-67-3019
CONTACT:	n/a
PRODUCTS:	All fishery products
COMPANY:	Matsuoka Co., Ltd.
ADDRESS:	1-10-12, Higashi-yamatomachi
	Shimonoseki, Yamaguchi 750
PHONE :	0832-67-5566
FAX:	0832-67-5286
CONTACT:	n/a
PRODUCTS:	Black cod, eel, mackerel, red fish, sea bream, Spanish
	mackerel, tuna, surimi, herring roe, pollack roe,
	salmon roe, shrimp, lobster, crab, cuttlefish, squid,
	octopus, dried squid, shells, seaweed
COMPANY :	Matsuyama Co., Ltd.
ADDRESS:	11-39 Hananocho
	Shimonoseki, Yamaguchi Pref. 750
PHONE :	0832-34-4131
FAX:	0832-34-4138
CONTACT:	n/a
	,

COMPANY: ADDRESS: PHONE: FAX: CONTACT: PRODUCTS:	Meiwa Trading Co., Ltd. 3-3-1 Marunouchi Chiyoda-ku, Tokyo 100 03-3240-9390 03-3240-9560 Agricultural & Marine Products Dept. Albacore, croaker, capeline, eel, grouper, hairtail, horse mackerel, salmon, sea bream, skipjack, shark, spanish mackerel, swordfish, tuna, flyingfish eggs, herring roe, salmon roe, shrimp, lobster, crab, cuttlefish, squid, octopus, hard clam, shortneck clam, top shell, jelly fish, sea urchin, shark fin
	Mitsubishi Corporation 2-3-1 Marunouchi Chiyoda-ku, Tokyo 100-86 03-3210-6705 03-3210-6726 Marine Products Dept. Capeline, herring, salmon, snapper, tuna, surimi, herring roe, salmon roe, shrimp, lobster, crab, cuttlefish, squid, octopus, mullet roe, Pacific cod
	Mitsui & Co., Ltd. 1-2-1 Ohtemachi Chiyoda-ku, Tokyo 100 03-3285-6020 03-3285-9909 Marine Products Div. Capeline, herring, marlin, red snapper, salmon, skipjack, tuna, surimi, herring roe, salmon roe, shrimp, lobster, king crab, cuttlefish, squid, octopus
CONTACT:	Miyoshi Trading Co., Ltd. Ochiai Bldg. 2F, 7-10-7 Tsukiji Chuo-ku, Tokyo 104 03-3546-8225 03-3546-8227 Koichi Hashimoto Black cod, red fish, salmon, shrimp, crab, Pacific halibut, turbot, rock sole, frozen cod, others

COMDANY -	New Toyo Seafoods Co., Ltd.
COMPANY:	Ishikawa Bldg., 2-20-1 Misakicho
ADDRESS:	Chiyoda-ku, Tokyo 101
DUONT	03-3262-4408
PHONE :	
FAX:	03-3263-6947
CONTACT:	Tammoy Bannerji
PRODUCTS:	Black cod, cod, pomfret, red snapper, herring roe,
	shrimp, lobster, scampi, cuttlefish, squid, octopus
CONDANS	Nichimen Corporation
COMPANY:	4-23-1 Shiba
ADDRESS:	Minato-ku, Tokyo 108
DUCNE	· · · ·
PHONE :	03-5446-1207
	03-5446-1239
CONTACT:	Marine Products Dept.
PRODUCTS:	Herring, lady fish, salmon, sea-trout, tuna, shrimp,
	lobster, crab, cuttlefish, squid, abalone
COMPANY:	Nichirei Corporation
ADDRESS:	6-19-20 Tsukiji
	Chuo-ku, Tokyo 104
PHONE:	03-3248-2222
FAX:	03-3248-2159
CONTACT:	Marine Products Div.
PRODUCTS:	
	tuna, surimi, herring roe, salmon roe, shrimp, prawn,
	lobster, crab, cuttlefish, squid
COMPANY:	Nichiro Corporation
ADDRESS:	
	Chiyoda-ku, Tokyo 100
PHONE :	03-3240-6353
FAX:	03-3287-2326
CONTACT:	
PRODUCTS:	Herring, merluza, red fish, salmon, sea bream, sea
	trout, tuna, herring roe, salmon roe, shrimp, crab,
	cuttlefish, squid, fish feed
	Miller Manine Declarts Toront Jacobier
COMPANY:	Nikkan Marine Products Import Association
ADDRESS:	4-16-4 Daigakucho
	Shimonoseki, Yamaguchi Pref. 751
PHONE :	0832-52-1441
FAX:	0832-52-1441
CONTACT:	•
PRODUCTS	Fresh and frozen fish and shellfish

Nippon Suisan Kaisha, Ltd. COMPANY: 2-6-2 Otemachi ADDRESS: Chiyoda-ku, Tokyo 100 03-3244-7210 PHONE: 03-3244-7269 FAX: CONTACT: n/a PRODUCTS: Black cod, flounder, halibut, herring, horse mackerel, mackerel, pollock, red fish, salmon, trout, tuna, herring roe, pollock roe, salmon roe, surimi, shrimp, prawn, lobster, crab, cuttlefish, squid, octopus, shellfish, fish meal, fish oil Nippon Trading Co., Ltd. COMPANY: ADDRESS: 3-17-1 Soyamacho Kita-ku, Kobe 651-11 078-594-4711 PHONE: 078-594-4811 FAX: CONTACT: n/a PRODUCTS: Horse mackerel, mackerel, pollock roe, cuttlefish, squid, adductors of shellfish COMPANY: Nissho Iwai Corporation ADDRESS: 2-4-5 Akasaka Minato-ku, Tokyo 107 PHONE: 03-3588-3991 03-3588-4860 FAX: CONTACT: Marine Products Dept. PRODUCTS: Tuna, shrimp, lobster, crab, cuttlefish, squid, octopus, sharkfin COMPANY: Nomura Trading Co., Ltd. 1-7-8 Higashikanda ADDRESS: Chiyoda-ku, Tokyo 101 03-5821-1520 PHONE : FAX: 03-5821-1258 CONTACT: Tokyo Marine Prod. Dept. PRODUCTS: Black cod, butterfish, capeline, dab, flounder, herring, horse mackerel, mackerel, red fish, salmon, scad, sea trout, sillago, smelt, witch flounder, capeline roe, cod roe, herring roe, pollack roe, salmon roe, red shrimp, shrimp, lobster, crab, cuttlefish, squid, octopus, abalone, clam, top shell

ADDRESS : PHONE : FAX : CONTACT :	Nosui Co., Ltd. 3-2-1 Tamagawa Fukushima-ku, Osaka 553 06-443-8653 06-443-8655 n/a Black cod, horse mackerel, salmon, Spanish mackerel, herring roe, salmon roe, shrimp, crab, cuttlefish, octopus
	Nozaki & Co., Ltd. 2-2-6 Nihonbashi-bakurocho Chuo-ku, Tokyo 103-91 03-5641-4351 03-5641-4397 Kazuhiro Yamaguchi Black cod, bottomfish, capeline, pomfret, mackerel, red fish, salmon, sea trout, tuna, capeline roe, herring roe, salmon roe, shrimp, lobster, crab, cuttlefish, squid, octopus, abalone, top shell, sea urchin, feed sardine
COMPANY: ADDRESS: PHONE: FAX: CONTACT: PRODUCTS:	Okaya & Co., Ltd. Shinmaru Bldg., 1-5-1 Otemachi Chiyoda-ku, Tokyo 100 03-3214-8732 03-3214-8738 Mr. Uchiyama Bottomfish, salmon, herring, herring roe, salmon roe, shrimp, lobster, crab
ADDRESS: PHONE: FAX: CONTACT:	Okura & Co., Ltd. Okura-bekkan Bldg., 3-4-1 Ginza Chuo-ku, Tokyo 104 03-3566-6585 03-3566-2873 Yasuo Horiuchi Black cod, capeline, flounder, halibut, herring, horse mackerel, mackerel, ocean perch, red fish, rock sole, salmon, sea trout, smelt, capeline roe, herring roe, salmon roe, shrimp, king crab, snow crab

ADDRESS: PHONE: FAX: CONTACT:	Pegasus Foods Japan, Inc. Suisan Kaikan 1F, 5-9 Toyomicho Chuo-ku, Tokyo 104 03-3532-1031 03-3532-1479 Yuko Takahashi Bottomfish, salmon, crab, cuttlefish, fish roe, flatfish, sea urchin	
ADDRESS: PHONE: FAX:	Royal Greenland Japan Ltd. 1-16-14 Shinkawa Chuo-ku, Tokyo 104 03-3551-1130 03-3551-2351 Frozen fish, shellfish	
ADDRESS: PHONE: FAX:	Sanwa Trading Co., Ltd. 1-14-1 Hikoshima-oimachi Shimonoseki, Yamaguchi Pref. 750 0832-67-6996 0832-66-4341 n/a	
FAX: CONTACT:	Sanyo Trading Co., Ltd. 2-11 Kanda-nishikicho Chiyoda-ku, Tokyo 101 03-3233-5882 03-3233-4158 n/a Fish, shrimp, crab, cuttlefish, clam, agar agar	Î
COMPANY: ADDRESS: PHONE: FAX: CONTACT: PRODUCTS:	Schooner Trading Corporation Tomizen Bldg., 2-11-4 Ginza Chuo-ku, Tokyo 104 03-3545-6301 03-3545-8670 n/a Capeline, flatfish, herring, mackerel, red fish herring roe, shrimp, crab, squid	1,

COMPANY : Shibamoto & Co., Ltd. 1-1-12 Minato ADDRESS: Chuo-ku, Tokyo 104 03-3552-4231 PHONE: 03-3552-4877 FAX: CONTACT: n/a PRODUCTS: Black cod, red snapper, salmon, herring roe, salmon roe, shrimp, cuttlefish Shin Nihon Global Inc. COMPANY: SK Bldg. 3F, 1-13-19 Shintomi ADDRESS: Chuo-ku, Tokyo 104 03-3555-3600 PHONE : 03-3555-3601 FAX: CONTACT : n/a PRODUCTS: Black cod, flounder, herring, mackerel, red fish, salmon, herring roe, salmon roe, shrimp, all crab species, sea urchin Sumikin Bussan Kaisha Ltd. COMPANY: 8-5-27 Akasaka ADDRESS: Minato-ku, Tokyo 107 03-5412-5080 PHONE : 03-5412-5178 FAX: Food Products Dept. CONTACT: PRODUCTS: Salmon, tuna, shrimp, lobster, cuttlefish, squid, sea urchin, shells Sumitomo Corporation (SC Foods Co., Ltd.) COMPANY: Kandabashi Yasuda Bldg., 1-1 Kanda-nishikicho ADDRESS: Chivoda-ku, Tokyo 101 03-3219-3030 PHONE: 03-3219-3045 FAX: CONTACT: n/a PRODUCTS: Black cod, bottomfish, butterfish, herring, ladyfish, ocean perch, salmon, smelt, herring roe, salmon roe, shrimp, lobster, scampi, crab, cuttlefish, squid, abalone

Taito Seiko Co., Ltd. COMPANY: Imaasa Bldg., 1-1-21 Higashi-shimbashi ADDRESS: Minato-ku, Tokyo 105 PHONE: 03-3572-3235 FAX: 03-3571-7881 CONTACT: n/a PRODUCTS: Capeline, herring, red fish, tuna, fish roe, squid, others COMPANY: Taiyo A & F Co., Ltd. ADDRESS: 2-1-1 Uchisaiwaicho Chiyoda-ku, Tokyo 101 PHONE : 03-3506-5384 FAX: 03-3591-3575 CONTACT: n/a PRODUCTS: All fishery products COMPANY: Takaei Trading Co., Ltd. ADDRESS: 6-17-4 Tsukiji Chuo-ku, Tokyo 104 03-3542-4791 PHONE: 03-3542-4794 FAX: CONTACT: n/a PRODUCTS: Marlin, shark, skipjack, swordfish, tuna COMPANY: Takeichi & Co., Ltd. Fujimoto Bldg. 2F, 3-12-6 Nihonbashi-kayabacho ADDRESS: Chuo-ku, Tokyo 103 03-3669-9252 PHONE : 03-3669-3540 FAX: CONTACT: Ms. Hiromi Kawada PRODUCTS: Butterfish, herring, mackerel, red fish, herring roe, shrimp, lobster, crab, squid, Pacific cod, frozen salmon, salmon roe, salmon eggs COMPANY: The Marine Foods Corporation 5-33-7 Shiba ADDRESS: Minato-ku, Tokyo 108 03-3452-8111 PHONE: 03-3452-8589 FAX: CONTACT: n/a PRODUCTS: Cod, pollock, salmon, surimi, salmon roe, shrimp, cuttlefish, squid, octopus, abalone, scallop, top shell, jelly fish, seaweed

COMPANY: Toa Suisan Co., Ltd. ADDRESS: 1-4-20 Hananocho Shimonoseki, Yamaquchi Pref. 750 PHONE: 0832-31-0241 FAX: 0832-31-0241 CONTACT: n/a PRODUCTS: Cuttlefish, squid COMPANY: Toei Reefer Line, Ltd. ADDRESS: Shibakoen Koike Bldg., 3-5-5 Shiba Minato-ku, Tokyo 105 PHONE: 03-5476-2085 03-5476-2090 FAX: CONTACT: n/a PRODUCTS: Tuna, squid COMPANY : Tohto Suisan Co., Ltd. ADDRESS: 5-2-1 Tsukiji Chuo-ku, Tokyo 104 PHONE: 03-3541-5264 FAX: 03-3541-6239 CONTACT: Shoichi Kobayashi PRODUCTS: Fresh and frozen fish, salted fish roe COMPANY: Toko Industrial Co., Ltd. ADDRESS: 1-2-5 Higashi-yamatomachi Shimonoseki, Yamaguchi Pref. 750 PHONE: 0832-67-2385 FAX: 0832-67-0100 CONTACT: n/a PRODUCTS: All fishery products COMPANY: Tokusui Co., Ltd. Tokyo Suisan Bldg. 5F, 4-18 Toyomicho ADDRESS: Chuo-ku, Tokyo 104 PHONE: 03-3533-5131 FAX: 03-3533-5173 CONTACT: n/a PRODUCTS: Black cod, butterfish, salmon, tuna, shrimp, crab, clam

COMPANY: ADDRESS: PHONE: FAX: CONTACT: PRODUCTS:	Tokusi Trading Corporation Tokyo Suisan Bldg. 5F, 4-18 Toyomicho Chuo-ku, Tokyo 104 03-3531-8165 03-3531-8167 n/a Tuna
COMPANY: ADDRESS: PHONE: FAX: CONTACT: PRODUCTS:	Tokyo Commercial Co., Ltd. 8-15 Toyomicho Chuo-ku, Tokyo 104 03-3534-1301 03-3532-9420 Kosuke Sakai Black cod, blue fish, flounder, marlin, mackerel, ocean perch, red snapper, sea bream, shark, sole, tuna, lobster, crab, cuttlefish, mongo-ika, squid, abalone, octopus, blowfish
COMPANY: ADDRESS: PHONE: FAX: CONTACT: PRODUCTS:	Tokyo Seafoods Ltd. Saiesta Bldg. 5F, 2-14-5 Tsukiji Chuo-ku, Tokyo 104 03-5565-3511 03-5565-3524 Yasuo Tajima Black cod, herring, horse mackerel, mackerel, red fish, salmon, tuna, cod roe, herring roe, salmon roe, shrimp, crab, cuttlefish, squid, octopus
COMPANY : ADDRESS : PHONE : FAX : CONTACT : PRODUCTS :	Tomen Corporation Kokusai Shin-akasaka Bldg., 6-1-20 Akasaka Minato-ku, Tokyo 107 03-3588-6905 03-3588-9996 Marine Product Dept. Capeline, flounder, herring, horse mackerel, mackerel, red fish, red snapper, salmon, sole, capeline roe, herring roe, herring roe on kelp, salmon roe, shrimp, lobster, crab, cuttlefish, squid, octopus, abalone, geoduck, jellyfish, sea urchin

COMPANY:	Tomen Suisan Co., Ltd.
ADDRESS:	4-14-11 Ginza
	Chuo-ku, Tokyo 104
PHONE :	03-3542-3721
FAX:	03-3546-9018
CONTACT:	n/a
PRODUCTS:	Salmon, shrimp, squid
COMPANY:	Tosho Co., Ltd.
ADDRESS:	1-2-8 Yamatomachi
	Shimonoseki, Yamaguchi Pref. 750
PHONE :	0832-66-5141
FAX:	0832-66-5142
CONTACT:	n/a
PRODUCTS	All fishery products
COMPANY:	Toshoku Ltd.
ADDRESS:	2-4 Nihonbashi Muromachi
	Chuo-ku, Tokyo 103
PHONE :	03-3245-2184
FAX:	03-3245-2393
CONTACT:	Marine Products Group

PRODUCTS: Tuna, squid, nori, wakame

COMPANY: Toshoku Seafoods Ltd.

ADDRESS: Shinmuromachi Bldg. 8F 2-4-3 Nihonbashi-muromachi Chuo-ku, Tokyo 103 PHONE: 03-3245-2171

FAX: 03-3245-2170

CONTACT: Kiwamu Moriguchi

PRODUCTS: Black cod, herring, horse mackerel, mackerel, red snapper, salmon, tuna, herring roe, salmon roe, shrimp, lobster, crab, squid, Pacific cod

COMPANY: Towa Foods Co., Ltd.

ADDRESS: 2-1 North 3, East 3-jo Nishishoro, Shiranuka-cho Shiranuka-gun, Hokkaido 088-05 PHONE: 01547-5-2014 FAX: 01547-5-2329

FAX: 01547-5-2329 CONTACT: n/a

PRODUCTS: Herring, salmon, herring roe, salmon roe, ikura

COMPANY: Toyo Suisan Kaisha, Ltd.

ADDRESS: 2-13-40 Kohnan

Minato-ku, Tokyo 108

PHONE: 03-3458-5161

FAX: 03-3474-8900

CONTACT: Hisashi Hori

PRODUCTS: Capeline, eel, bottomfish, horse mackerel, mackerel, salmon, herring roe, salmon roe, shrimp, crab, wakame, Alaska pollock roe

Sources: Japan Marine Products Importers Association 1997 U.S. Embassy, Commercial Section, Tokyo, Japan 1997