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CROSS TABULATIONS OF CATCHES OF LARGE PELAGIC SPECIES BASED ON HAWAII COMMERCIAL CATCH REPORTS, JANUARY 1976-APRIL 1981. I. AREA FISHED AND FISHING GEAR BY SPECIES

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INTRODUCTION

Before the enactment of the Magnuson Fishery Conservation and Management Act of 1976, the National Marine Fisheries Service determined that there was a need to manage the fishery for billfish, mahimahi, wahoo, and shark in the western Pacific region and prepared a Preliminary Fishery Management Plan for doing so in 1978. The Western Pacific Regional Fishery Management Council is now proceeding with the development of a Fishery Management Plan for these same species. In the process of doing so, a need has been identified to document the domestic catch of these management unit species by various fishing gears and fishing zones around the Hawaiian Islands.

In support of this identified need, we have prepared this data summary using statistics provided by the Hawaii Department of Land and Natural Resources, Division of Aquatic Resources. Data from January 1976 through April 1981 are included in this report. Compared with previous years, there appears to be underreporting of tuna longline catches, especially in 1981. However, for the purpose stated above, these statistics are the best available, and we acknowledge the Division of Aquatic Resources for making them available to us.

Summaries of reported landings, sales, and revenue derived from the sales are presented in the following sections: Species Totals, Region Fished (All Species), Region Fished by Species, Region Fished by Gear Type (All Species), Region Fished by Gear Type and by Species, Gear Type (All Species), Gear Type by Species, Gear Type by Region (All Species), Gear Type by Region and by Species.

Some explanation of the tables is in order. Since the summaries are based on the statistics provided by the Division of Aquatic Resources, we have followed the naming conventions used by them. With respect to fish names: "swordfish" refers to billfish (Families Xiphiidae and Istiophoridae) of undifferentiated species, whereas "broadbill" is the swordfish (*Xiphias gladius*); "ono" is the Hawaiian name for wahoo (*Acanthocybium solandri*); sharks are divided into "hammerhead shark" (*Sphyrna* sp.) and "shark" (mostly Carcharhinidae) categories, both of which are mixtures of species. With respect to areas or regions, the State of Hawaii's fishery statistical zones are arranged in 0 to 2, 2 to 20, and beyond 20 nmi strata. Thus, it is not possible to summarize the data by 0 to 3 and 3 to 200 nmi zones without using some arbitrary approximating procedures. Also, catches from the Northwestern Hawaiian Islands can be differentiated from those in the main Hawaiian Islands, and we have chosen to do so in the following tables without regard to distance zones around the islands. With respect to fishing gear types, "flagline" refers to tuna longline fishing gear; "deep-sea handline" is generally a multi-hook gear fished in deep water for snappers whereas "inshore handline" gear is generally fished in shallower water for goatfish (the Mullidae), akule (bigeye scad, *Selar crumenophthalmus*), and other shallow water fishes; however, the distinction is not clear.

SPECIES TOTALS

When considering only the weight caught or sold, blue marlin (Makaira nigricans) is the most important species among the management unit species (Table 1). It may come as a surprise to some that wahoo and mahimahi, (Coryphaena sp.), are the next most important species. Sailfish (Istiophorus platypterus) is the least important and sharks are next to last. However, from the viewpoint of revenue, mahimahi and wahoo alternate as the most important species. Blue marlin, by this measure, drops to third most important, and sharks become the least important.

REGION FISHED (ALL SPECIES)

For the Hawaiian domestic fishery, the zone from 2 to 20 nmi is the most important for these management unit species in terms of weight and revenue (Table 2). The region beyond 20 nmi is generally the next most important, and the Northwestern Hawaiian Islands ranks last.

REGION FISHED BY SPECIES

Within the 0 to 2 nmi zone, wahoo is the most important species with respect to weight and revenue (Table 3). Mahimahi is the second most important with respect to revenue. Blue marlin, however, was more important in terms of weight in 1978 and 1979.

For the 2 to 20 nmi zone, blue marlin is by far the most important species in terms of weight, except in 1976 when striped marlin landings were greater. However, blue marlin ranks behind mahimahi and wahoo with respect to revenue in most years.

In the Northwestern Hawaiian Islands, wahoo is clearly the most important species with respect to weight and revenue.

In the offshore areas, beyond 20 nmi, mahimahi is generally the most important species in terms of weight and revenue.

REGION FISHED BY GEAR TYPE (ALL SPECIES)

In the 0 to 2 nmi region, the two top ranked gear types based on weight and revenue are trolling and deep-sea handline (Table 4). It is of interest that no flagline catches were reported for this zone in 1980.

For the 2 to 20 nmi zone, trolling gear is clearly the most important gear type. Flagline or tuna longline gear was the second most important in 1976 through 1979 but was replaced by deep-sea handline in 1980 and 1981.

In the Northwestern Hawaiian Islands, trolling has become the most important gear type, largely displacing deep-sea handline. Likewise in the region beyond 20 nmi, trolling has again become the most important gear type, but in this case flagline has been relegated to second rank.

REGION FISHED BY GEAR TYPE BY SPECIES

The largest catches in all regions were generally made on trolling gear (Table 5). The major species caught by trolling were ono, mahimahi, and blue marlin. Mahimahi and ono typically made up the greater portion of catch in pounds and dollars for the other gear types as well, except for flagline gear which produced larger catches of striped marlin (Tetrapturus audax).

GEAR TYPE (ALL SPECIES)

For all management unit species combined, trolling gear is the most important fishing gear type. In 1976 through 1979, flagline gear was the second most important, but deep-sea handline became so in the remaining years (Table 6). Inshore handline gear is the least important.

GEAR TYPE BY SPECIES

As indicated in Table 5, the largest catches of mahimahi, ono, and blue marlin were made with trolling gear (Table 7). Deep-sea handline also contributed to large catches of these species, and of broadbill, whereas the largest catches of striped marlin were made on flagline gear except in 1976.

GEAR TYPE BY REGION (ALL SPECIES)

For flagline gear, the 2 to 20 nmi zone is generally the most important zone followed by the region beyond 20 nmi (Table 8). The 2 to 20 nmi zone is also the most important for deep-sea handline and trolling gears, but the 0 to 2 nmi zone is the second most important.

GEAR BY REGION AND BY SPECIES

Table 9 represents the data provided in Table 5 so that the impact of different gear types can be compared across regions.

I TABLE 1.--HDAR 1976 DATA -- SPECIES TOTALS.

SPECIES	LBCAUGHT	LBSOLD	REVENUE
TOTAL -- ALL SPECIES	736,975	559,593	$484,324.18
STRIPED MARLIN	208,984	159,154	$113,958.40
BLUE MARLIN	191,220	132,088	$52,304.95
BROADBILL	3,521	3,239	$2,058.44
SAILFISH	2,343	1,676	$693.97
MAHIMAHI	139,090	111,353	$178,400.06
ONO	169,682	135,397	$127,294.51
SHARK	1,378	9	$7.40
HAMMERHEAD SHARK	162	0	$0.00
SHORTBILL SPEARFISH	13,722	11,213	$7,372.91
BLACK MARLIN	6,873	5,464	$2,233.54
	HDAR 1977 DATA	SPECIES TOTALS	
TOTAL-- ALL SPECIES	898,345	729,957	$712,451.76
SWORDFISH	138	138	$62.20
STRIPED MARLIN	91,336	83,136	$97,204.89
BLUE MARLIN	366,220	273,485	$109,515.36
BROADBILL	41,235	41,235	$67,928.88
SAILFISH	1,407	1,179	$998.96
MAHIMAHI	150,320	125,042	$223,798.02
ONO	223,428	189,485	$203,813.88
SHARK	3,381	868	$207.15
HAMMERHEAD SHARK	40	0	$0.00
SHORTBILL SPEARFISH	12,763	9,896	$6,367.15
BLACK MARLIN	8,077	5,493	$2,555.27
	HDAR 1978 DATA	SPECIES TOTALS	
TOTAL -- ALL SPECIES	1,089,203	896,493	$886,309.55
STRIPED MARLIN	147,021	136,166	$174,652.83
BLUE MARLIN	537,318	428,789	$206,095.09
BROADBILL	30,143	29,473	$40,986.20
SAILFISH	697	372	$223.10
MAHIMAHI	130,762	110,118	$217,453.04
ONO	194,978	167,351	$225,262.46
SHARK	20,670	4,004	$1,497.00
HAMMERHEAD SHARK	1,527	--	--
SHORTBILL SPEARFISH	24,719	19,796	$19,705.35
BLACK MARLIN	1,368	424	$434.48

Table 1.--Continued.

SPECIES	LBCAUGHT	LBSOLD	REVENUE
	HDAR 1979 DATA	SPECIES TOTALS	
TOTAL -- ALL SPECIES	989,871	830,951	$978,479.00
SWORDFISH	2	--	--
STRIPED MARLIN	111,801	103,291	$137,676.00
BLUE MARLIN	437,469	350,756	$176,024.00
BROADBILL	28,938	28,694	$43,442.00
SAILFISH	2,281	1,607	$1,214.00
MAHIMAHI	174,548	150,982	$293,749.00
ONO	199,979	172,141	$305,813.00
SHARK	4,429	1,873	$717.00
HAMMERHEAD SHARK	2,030	--	--
SHORTBILL SPEARFISH	17,254	13,447	$15,128.00
BLACK MARLIN	11,140	8,160	$4,716.00
	HDAR 1980 DATA	SPECIES TOTALS	
TOTAL -- ALL SPECIES	1,078,117	940,473	$1,225,984.00
STRIPED MARLIN	66,966	58,710	$70,173.00
BLUE MARLIN	441,530	382,686	$190,606.00
BROADBILL	33,024	32,697	$44,088.00
SAILFISH	957	679	$598.00
MAHIMAHI	238,660	211,617	$456,019.00
ONO	266,436	238,723	$452,162.00
SHARK	12,232	745	$260.00
HAMMERHEAD SHARK	444	345	$131.00
SHORTBILL SPEARFISH	11,998	9,123	$8,154.00
BLACK MARLIN	5,870	5,148	$3,793.00
	HDAR 1981 DATA	SPECIES TOTALS	
TOTAL -- ALL SPECIES	322,318	277,892	$447,626.00
STRIPED MARLIN	31,110	26,872	$32,753.00
BLUE MARLIN	113,884	96,780	$66,228.00
BROADBILL	1,661	1,607	$2,769.00
SAILFISH	384	304	$283.00
MAHIMAHI	92,853	82,038	$194,579.00
ONO	67,134	61,876	$144,048.00
SHARK	5,235	651	$307.00
HAMMERHEAD SHARK	200	--	--
SHORTBILL SPEARFISH	6,000	4,273	$4,584.00
BLACK MARLIN	3,857	3,491	$2,075.00

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TABLE 2.--HDAR 1976 DATA -- REGION TOTALS.

REGION	LBCAUGHT	LBSOLD	REVENUE
TOTAL -- ALL REGIONS	736,975	559,593	$484,324.18
0 TO 2 MILES	41,948	32,023	$29,166.09
2 TO 20 MILES	660,981	494,616	$422,424.70
NORTHWESTERN H.I.	8,267	8,267	$6,174.52
BEYOND 20 MILES	25,551	24,494	$26,314.33
OTHER	228	193	$244.54

HDAR 1977 DATA REGION TOTALS

TOTAL -- ALL REGIONS	898,345	729,957	$712,451.76
0 TO 2 MILES	48,982	39,008	$42,375.78
2 TO 20 MILES	822,283	665,840	$641,011.84
NORTHWESTERN H.I.	1,687	1,687	$1,705.68
BEYOND 20 MILES	25,089	23,168	$27,088.05
OTHER	304	254	$270.41

HDAR 1978 DATA REGION TOTALS

TOTAL -- ALL REGIONS	1,089,203	896,493	$886,309.55
0 TO 2 MILES	35,675	24,941	$30,982.87
2 TO 20 MILES	992,659	812,475	$789,280.66
NORTHWESTERN H.I.	2,114	2,114	$5,030.36
BEYOND 20 MILES	56,656	54,864	$58,450.39
OTHER	2,099	2,099	$2,565.27

HDAR 1979 DATA REGION TOTALS

TOTAL -- ALL REGIONS	989,871	830,951	$978,479.00
0 TO 2 MILES	67,606	54,605	$73,998.00
2 TO 20 MILES	875,476	733,042	$846,052.00
NORTHWESTERN H.I.	7,361	7,361	$16,340.00
BEYOND 20 MILES	36,227	32,951	$36,209.00
OTHER	3,201	2,992	$5,880.00

HDAR 1980 DATA REGION TOTALS

TOTAL -- ALL REGIONS	1,078,117	940,473	$1,225,984.00
0 TO 2 MILES	93,738	75,537	$128,897.00
2 TO 20 MILES	947,910	832,496	$1,052,276.00
NORTHWESTERN H.I.	4,256	4,256	$8,159.00
BEYOND 20 MILES	31,844	27,828	$36,134.00
OTHER	369	356	$518.00

HDAR 1981 DATA REGION TOTALS

REGION	LBCAUGHT	LBSOLD	REVENUE
TOTAL -- ALL REGIONS	322,318	277,892	$447,626.00
0 TO 2 MILES	20,136	16,885	$38,031.00
2 TO 20 MILES	285,332	244,385	$383,925.00
NORTHWESTERN H.I.	2,988	2,988	$5,706.00
BEYOND 20 MILES	12,967	12,739	$18,529.00
OTHER	895	895	$1,435.00

I TABLE 3.--HDAR 1976 DATA BY REGION FISHED ALL ISLANDS.

SPECIES	LBCAUGHT	LBSOLD	REVENUE
REGION = 0 TO 2 MILES			
STRIPED MARLIN	6,934	4,904	$2,115.72
BLUE MARLIN	5,033	4,024	$1,304.80
BROADBILL	103	103	$51.50
SAILFISH	144	144	$36.90
MAHIMAHI	6,203	4,517	$6,399.49
ONO	22,185	18,266	$19,168.93
SHARK	770	0	$0.00
HAMMERHEAD SHARK	162	0	$0.00
SHORTBILL SPEARFISH	414	65	$88.75
REGION = 2 TO 20 MILES			
STRIPED MARLIN	193,814	146,034	$101,611.15
BLUE MARLIN	179,815	122,196	$47,968.82
BROADBILL	3,328	3,046	$1,961.94
SAILFISH	1,968	1,301	$545.42
MAHIMAHI	126,665	101,143	$162,469.02
ONO	137,079	106,748	$100,349.85
SHARK	608	9	$7.40
SHORTBILL SPEARFISH	11,228	9,072	$5,574.56
BLACK MARLIN	6,476	5,067	$1,936.54
REGION = NORTHWESTERN H.I.			
MAHIMAHI	67	67	$92.90
ONO	8,200	8,200	$6,081.62
REGION = BEYOND 20 MILES			
STRIPED MARLIN	8,166	8,166	$10,156.53
BLUE MARLIN	6,372	5,868	$3,031.33
BROADBILL	90	90	$45.00
SAILFISH	231	231	$111.65
MAHIMAHI	6,053	5,539	$9,308.15
ONO	2,162	2,127	$1,655.07
SHORTBILL SPEARFISH	2,080	2,076	$1,709.60
BLACK MARLIN	397	397	$297.00
REGION = OTHER			
STRIPED MARLIN	70	50	$75.00
MAHIMAHI	102	87	$130.50
ONO	56	56	$39.04

Table 3.--Continued.

HDAR 1977 DATA BY REGION FISHED ALL ISLANDS

SPECIES	LBCAUGHT	LBSOLD	REVENUE
REGION = 0 TO 2 MILES			
STRIPED MARLIN	622	566	$290.00
BLUE MARLIN	7,705	4,175	$1,585.18
SAILFISH	135	135	$118.75
MAHIMAHI	8,346	7,123	$10,252.61
ONO	30,338	26,717	$29,998.86
SHARK	1,641	137	$17.85
HAMMERHEAD SHARK	40	0	$0.00
SHORTBILL SPEARFISH	155	155	$112.53
REGION = 2 TO 20 MILES			
SWORDFISH	138	138	$62.20
STRIPED MARLIN	85,012	76,968	$89,937.20
BLUE MARLIN	352,389	264,245	$105,111.07
BROADBILL	39,408	39,408	$64,900.91
SAILFISH	1,125	904	$794.71
MAHIMAHI	135,729	111,845	$203,315.26
ONO	188,096	158,176	$168,806.03
SHARK	1,510	731	$189.30
SHORTBILL SPEARFISH	12,282	9,415	$6,030.18
BLACK MARLIN	6,594	4,010	$1,864.98
REGION = NORTHWESTERN H.I.			
MAHIMAHI	20	20	$30.00
ONO	1,667	1,667	$1,675.68
REGION = BEYOND 20 MILES			
STRIPED MARLIN	5,652	5,602	$6,977.69
BLUE MARLIN	6,126	5,065	$2,819.11
BROADBILL	1,827	1,827	$3,027.97
SAILFISH	147	140	$85.50
MAHIMAHI	6,225	6,054	$10,200.15
ONO	3,073	2,671	$3,062.90
SHARK	230	0	$0.00
SHORTBILL SPEARFISH	326	326	$224.44
BLACK MARLIN	1,483	1,483	$690.29

Table 3.--Continued.

SPECIES	LBCAUGHT	LBSOLD	REVENUE
	REGION = OTHER		
STRIPED MARLIN	50	0	$0.00
ONO	254	254	$270.41
	HDAR 1978 DATA BY REGION FISHED ALL ISLANDS		
	REGION = 0 TO 2 MILES		
STRIPED MARLIN	633	473	$333.33
BLUE MARLIN	7,977	4,936	$2,180.87
BROADBILL	47	47	$47.00
SAILFISH	70	70	$70.00
MAHIMAHI	5,940	4,963	$8,292.75
ONO	16,882	14,111	$19,924.67
SHARK	2,599	341	$134.25
HAMMERHEAD SHARK	1,527	--	--
	REGION = 2 TO 20 MILES		
STRIPED MARLIN	127,254	116,721	$151,807.91
BLUE MARLIN	510,104	405,751	$195,336.89
BROADBILL	21,426	20,756	$28,151.40
SAILFISH	627	302	$153.10
MAHIMAHI	120,628	101,185	$200,905.22
ONO	170,330	145,715	$193,365.58
SHARK	17,989	3,581	$1,318.47
SHORTBILL SPEARFISH	22,933	18,040	$17,807.61
BLACK MARLIN	1,368	424	$434.48
	REGION = NORTHWESTERN H.I.		
MAHIMAHI	118	118	$191.52
ONO	1,996	1,996	$4,838.84
	REGION = BEYOND 20 MILES		
STRIPED MARLIN	19,134	18,972	$22,511.59
BLUE MARLIN	19,237	18,102	$8,577.33
BROADBILL	8,670	8,670	$12,787.80
MAHIMAHI	3,890	3,666	$7,655.03
ONO	3,857	3,616	$4,976.62
SHARK	82	82	$44.28
SHORTBILL SPEARFISH	1,786	1,756	$1,897.74

Table 3.--Continued.

SPECIES	LBCAUGHT	LBSOLD	REVENUE
	REGION = OTHER		
MAHIMAHI	186	186	$408.52
ONO	1,913	1,913	$2,156.75
	HDAR 1979 DATA BY REGION FISHED ALL ISLANDS		
	REGION = 0 TO 2 MILES		
STRIPED MARLIN	1,275	1,053	$1,107.00
BLUE MARLIN	19,091	15,627	$6,607.00
BROADBILL	827	812	$1,152.00
SAILFISH	152	77	$56.00
MAHIMAHI	9,408	7,709	$13,774.00
ONO	32,456	27,915	$50,124.00
SHARK	1,150	95	$54.00
HAMMERHEAD SHARK	1,880	--	--
SHORTBILL SPEARFISH	1,165	1,115	$1,023.00
BLACK MARLIN	202	202	$101.00
	REGION = 2 TO 20 MILES		
SWORDFISH	2	--	--
STRIPED MARLIN	103,424	95,311	$125,999.00
BLUE MARLIN	401,872	320,695	$162,491.00
BROADBILL	26,829	26,600	$40,474.00
SAILFISH	1,979	1,380	$1,030.00
MAHIMAHI	156,746	135,301	$266,660.00
ONO	156,208	133,453	$231,509.00
SHARK	2,745	1,244	$475.00
HAMMERHEAD SHARK	150	--	--
SHORTBILL SPEARFISH	15,170	11,562	$13,134.00
BLACK MARLIN	10,351	7,496	$4,280.00
	REGION = NORTHWESTERN H.I.		
BROADBILL	141	141	$176.00
MAHIMAHI	30	30	$30.00
ONO	7,190	7,190	$16,134.00

Table 3.--Continued.

SPECIES	LBCAUGHT	LBSOLD	REVENUE
	REGION = BEYOND 20 MILES		
STRIPED MARLIN	6,705	6,530	$10,282.00
BLUE MARLIN	16,326	14,434	$6,926.00
BROADBILL	841	841	$1,142.00
SAILFISH	150	150	$128.00
MAHIMAHI	7,742	7,344	$11,984.00
ONO	2,605	2,068	$4,456.00
SHARK	534	534	$188.00
SHORTBILL SPEARFISH	881	732	$952.00
BLACK MARLIN	443	318	$151.00
	REGION = OTHER		
STRIPED MARLIN	397	397	$288.00
BLUE MARLIN	180	--	--
BROADBILL	300	300	$498.00
MAHIMAHI	622	598	$1,301.00
ONO	1,520	1,515	$3,590.00
SHORTBILL SPEARFISH	38	38	$19.00
BLACK MARLIN	144	144	$184.00
	HDAR 1980 DATA BY REGION FISHED ALL ISLANDS		
	REGION = 0 TO 2 MILES		
STRIPED MARLIN	1,904	1,755	$2,079.00
BLUE MARLIN	19,012	15,548	$7,770.00
BROADBILL	603	603	$869.00
SAILFISH	64	--	--
MAHIMAHI	19,084	17,009	$39,399.00
ONO	44,517	39,475	$78,005.00
SHARK	7,383	147	$57.00
HAMMERHEAD SHARK	320	225	$96.00
SHORTBILL SPEARFISH	386	316	$329.00
BLACK MARLIN	465	459	$293.00

Table 3.--Continued.

SPECIES	LBCAUGHT	LBSOLD	REVENUE
	REGION = 2 TO 20 MILES		
STRIPED MARLIN	58,570	50,503	$59,579.00
BLUE MARLIN	410,261	357,376	$176,816.00
BROADBILL	31,363	31,036	$41,918.00
SAILFISH	719	505	$308.00
MAHIMAHI	210,851	186,757	$400,978.00
ONO	214,999	192,788	$361,601.00
SHARK	4,680	429	$136.00
HAMMERHEAD SHARK	124	120	$35.00
SHORTBILL SPEARFISH	11,158	8,513	$7,515.00
BLACK MARLIN	5,185	4,469	$3,390.00
	REGION = NORTHWESTERN H.I.		
BLUE MARLIN	173	173	$96.00
MAHIMAHI	352	352	$808.00
ONO	3,713	3,713	$7,245.00
SHORTBILL SPEARFISH	18	18	$10.00
	REGION = BEYOND 20 MILES		
STRIPED MARLIN	6,415	6,375	$8,417.00
BLUE MARLIN	12,084	9,589	$5,924.00
BROADBILL	1,058	1,058	$1,301.00
SAILFISH	174	174	$290.00
MAHIMAHI	8,277	7,416	$14,677.00
ONO	3,011	2,551	$5,048.00
SHARK	169	169	$67.00
SHORTBILL SPEARFISH	436	276	$300.00
BLACK MARLIN	220	220	$110.00
	REGION = OTHER		
STRIPED MARLIN	77	77	$98.00
MAHIMAHI	96	83	$157.00
ONO	196	196	$263.00

Table 3.--Continued.

HDAR 1981 DATA BY REGION FISHED ALL ISLANDS

SPECIES	LBCAUGHT	LBSOLD	REVENUE
REGION = 0 TO 2 MILES			
STRIPED MARLIN	501	451	$833.00
BLUE MARLIN	2,824	2,228	$1,853.00
BROADBILL	14	14	$10.00
SAILFISH	21	21	$15.00
MAHIMAHI	6,983	6,354	$16,469.00
ONO	8,344	7,442	$18,634.00
SHARK	1,075	1	$1.00
SHORTBILL SPEARFISH	54	54	$24.00
BLACK MARLIN	320	320	$192.00
REGION = 2 TO 20 MILES			
STRIPED MARLIN	23,616	19,428	$23,435.00
BLUE MARLIN	107,705	91,197	$61,678.00
BROADBILL	1,621	1,567	$2,745.00
SAILFISH	260	180	$183.00
MAHIMAHI	83,119	73,118	$171,463.00
ONO	55,295	50,952	$117,752.00
SHARK	4,160	650	$306.00
HAMMERHEAD SHARK	200	--	--
SHORTBILL SPEARFISH	5,819	4,122	$4,480.00
BLACK MARLIN	3,537	3,171	$1,883.00
REGION = NORTHWESTERN H.I.			
STRIPED MARLIN	38	38	$22.00
BLUE MARLIN	232	232	$135.00
MAHIMAHI	135	135	$499.00
ONO	2,537	2,537	$5,023.00
SHORTBILL SPEARFISH	46	46	$27.00
REGION = BEYOND 20 MILES			
STRIPED MARLIN	6,573	6,573	$7,929.00
BLUE MARLIN	2,845	2,845	$2,312.00
BROADBILL	26	26	$14.00
SAILFISH	103	103	$85.00
MAHIMAHI	2,594	2,409	$6,103.00
ONO	745	732	$2,033.00
SHORTBILL SPEARFISH	81	51	$53.00
REGION = OTHER			
STRIPED MARLIN	382	382	$534.00
BLUE MARLIN	278	278	$250.00
MAHIMAHI	22	22	$45.00
ONO	213	213	$606.00

I TABLE 4.--HDAR 1976 DATA BY REGION FISHED.

GEAR	LBCAUGHT	LBSOLD	REVENUE
REGION = 0 TO 2 MILES			
FLAGLINE	708	708	$820.13
DEEP-SEA HANDLINE	5,061	4,558	$3,542.59
INSHORE HANDLINE	915	842	$871.27
TROLLING LINE	34,064	25,612	$23,554.90
OTHER	1,200	303	$377.20
REGION = 2 TO 20 MILES			
FLAGLINE	109,869	109,869	$120,038.25
DEEP-SEA HANDLINE	80,699	74,748	$66,338.94
INSHORE HANDLINE	277	277	$301.31
TROLLING LINE	463,892	303,530	$225,284.05
OTHER	6,244	6,192	$10,462.15
REGION = NORTHWESTERN H.I.			
DEEP-SEA HANDLINE	8,267	8,267	$6,174.52
REGION = BEYOND 20 MILES			
FLAGLINE	12,904	12,904	$14,742.32
DEEP-SEA HANDLINE	2,781	2,751	$3,080.78
TROLLING LINE	8,734	7,707	$6,953.21
OTHER	1,132	1,132	$1,538.02
REGION = OTHER			
TROLLING LINE	228	193	$244.54

HDAR 1977 DATA BY REGION FISHED

REGION = 0 TO 2 MILES			
FLAGLINE	55	55	$83.25
DEEP-SEA HANDLINE	6,462	5,627	$5,767.76
INSHORE HANDLINE	900	435	$565.82
TROLLING LINE	40,426	32,332	$35,231.55
OTHER	1,139	559	$727.40
REGION = 2 TO 20 MILES			
FLAGLINE	154,789	154,789	$202,147.78
DEEP-SEA HANDLINE	62,535	57,499	$57,092.45
INSHORE HANDLINE	1,133	1,078	$1,149.10
TROLLING LINE	597,374	446,267	$369,628.41
OTHER	6,452	6,207	$10,994.10

Table 4.--Continued.

GEAR	LBCAUGHT	LBSOLD	REVENUE
	REGION = NORTHWESTERN H.I.		
DEEP-SEA HANDLINE	612	612	$817.28
TROLLING LINE	1,075	1,075	$888.40
	REGION = BEYOND 20 MILES		
FLAGLINE	11,358	11,358	$14,211.75
DEEP-SEA HANDLINE	2,458	2,458	$3,000.07
INSHORE HANDLINE	230	0	$0.00
TROLLING LINE	8,270	6,579	$5,327.41
OTHER	2,773	2,773	$4,548.82
	REGION = OTHER		
TROLLING LINE	304	254	$270.41
	HDAR 1978 DATA BY REGION FISHED		
	REGION = 0 TO 2 MILES		
FLAGLINE	1,415	1,415	$2,243.43
DEEP-SEA HANDLINE	1,088	835	$1,071.05
INSHORE HANDLINE	4,621	4,138	$4,590.87
TROLLING LINE	26,734	18,506	$23,069.07
OTHER	1,817	47	$8.45
	REGION = 2 TO 20 MILES		
FLAGLINE	170,487	160,067	$212,570.06
DEEP-SEA HANDLINE	61,586	57,463	$67,857.24
INSHORE HANDLINE	87	53	$81.25
TROLLING LINE	751,680	586,105	$492,117.31
OTHER	8,819	8,787	$16,654.80
	REGION = NORTHWESTERN H.I.		
DEEP-SEA HANDLINE	2,114	2,114	$5,030.36
	REGION = BEYOND 20 MILES		
FLAGLINE	36,828	36,828	$47,161.76
DEEP-SEA HANDLINE	2,621	2,571	$2,035.98
TROLLING LINE	16,693	14,951	$8,051.27
OTHER	514	514	$1,201.38

Table 4.--Continued.

GEAR	LBCAUGHT	LBSOLD	REVENUE
	REGION = OTHER		
TROLLING LINE	2,085	2,085	$2,527.60
OTHER	14	14	$37.67
	HDAR 1979 DATA BY REGION FISHED		
	REGION = 0 TO 2 MILES		
FLAGLINE	539	539	$979.00
DEEP-SEA HANDLINE	8,514	8,009	$11,261.00
INSHORE HANDLINE	427	312	$488.00
TROLLING LINE	54,365	44,911	$60,285.00
OTHER	3,761	834	$985.00
	REGION = 2 TO 20 MILES		
FLAGLINE	109,179	109,179	$157,398.00
DEEP-SEA HANDLINE	67,628	65,005	$94,727.00
INSHORE HANDLINE	14	--	--
TROLLING LINE	690,987	551,515	$581,217.00
OTHER	7,668	7,343	$12,710.00
	REGION = NORTHWESTERN H.I.		
DEEP-SEA HANDLINE	237	237	$309.00
TROLLING LINE	7,124	7,124	$16,031.00
	REGION = BEYOND 20 MILES		
FLAGLINE	8,882	8,882	$14,053.00
DEEP-SEA HANDLINE	5,784	5,605	$8,758.00
TROLLING LINE	17,269	14,202	$7,897.00
OTHER	4,292	4,262	$5,501.00
	REGION = OTHER		
FLAGLINE	1,412	1,388	$2,155.00
DEEP-SEA HANDLINE	5	--	--
TROLLING LINE	1,747	1,567	$3,691.00
OTHER	37	37	$34.00

Table 4.--Continued.

HDAR 1980 DATA BY REGION FISHED

GEAR	LBCAUGHT	LBSOLD	REVENUE
REGION = 0 TO 2 MILES			
DEEP-SEA HANDLINE	20,812	15,190	$23,767.00
INSHORE HANDLINE	1,479	144	$256.00
TROLLING LINE	70,417	59,779	$104,502.00
OTHER	1,030	424	$372.00
REGION = 2 TO 20 MILES			
FLAGLINE	37,148	37,148	$49,218.00
DEEP-SEA HANDLINE	121,739	116,812	$189,933.00
INSHORE HANDLINE	13	13	$35.00
TROLLING LINE	782,555	672,098	$801,405.00
OTHER	6,455	6,425	$11,685.00
REGION = NORTHWESTERN H.I.			
DEEP-SEA HANDLINE	18	18	$10.00
TROLLING LINE	4,238	4,238	$8,149.00
REGION = BEYOND 20 MILES			
FLAGLINE	8,702	8,634	$11,327.00
DEEP-SEA HANDLINE	6,956	6,791	$12,110.00
TROLLING LINE	12,729	8,946	$7,082.00
OTHER	3,457	3,457	$5,615.00
REGION = OTHER			
DEEP-SEA HANDLINE	64	64	$106.00
TROLLING LINE	285	272	$353.00
OTHER	20	20	$59.00

HDAR 1981 DATA BY REGION FISHED

REGION = 0 TO 2 MILES			
DEEP-SEA HANDLINE	3,301	2,775	$5,972.00
INSHORE HANDLINE	869	54	$24.00
TROLLING LINE	15,919	14,009	$31,846.00
OTHER	47	47	$189.00

Table 4.--Continued.

GEAR	LBCAUGHT	LBSOLD	REVENUE
	REGION = 2 TO 20 MILES		
FLAGLINE	8,067	8,067	$13,125.00
DEEP-SEA HANDLINE	37,799	33,609	$69,693.00
TROLLING LINE	236,656	199,899	$297,042.00
OTHER	2,810	2,810	$4,065.00
	REGION = NORTHWESTERN H.I.		
DEEP-SEA HANDLINE	115	115	$106.00
TROLLING LINE	2,873	2,873	$5,600.00
	REGION = BEYOND 20 MILES		
FLAGLINE	8,783	8,738	$10,933.00
DEEP-SEA HANDLINE	1,018	918	$921.00
TROLLING LINE	2,849	2,766	$5,691.00
OTHER	317	317	$984.00
	REGION = OTHER		
FLAGLINE	660	660	$784.00
DEEP-SEA HANDLINE	9	9	$18.00
TROLLING LINE	226	226	$633.00

I TABLE 5.--HDAR 1976 DATA BY REGION, GEAR, AND SPECIES.

SPECIES	LBCAUGHT	LBSOLD	REVENUE
REGION = 0 TO 2 MILES GEAR = FLAGLINE			
STRIPED MARLIN	708	708	$820
REGION = 0 TO 2 MILES GEAR = DEEP-SEA HANDLINE			
STRIPED MARLIN	1,002	1,002	$181
BLUE MARLIN	490	189	$38
BROADBILL	103	103	$52
SAILFISH	46	46	$14
MAHIMAHI	992	820	$1,112
ONO	2,418	2,398	$2,146
SHARK	10	0	$0
REGION = 0 TO 2 MILES GEAR = INSHORE HANDLINE			
STRIPED MARLIN	79	79	$98
MAHIMAHI	262	216	$316
ONO	547	547	$458
HAMMERHEAD SHARK	27	0	$0
REGION = 0 TO 2 MILES GEAR = TROLLING LINE			
STRIPED MARLIN	5,145	3,115	$1,017
BLUE MARLIN	4,543	3,835	$1,267
SAILFISH	98	98	$23
MAHIMAHI	4,644	3,178	$4,595
ONO	19,220	15,321	$16,565
SHORTBILL SPEARFISH	414	65	$89
REGION = 0 TO 2 MILES GEAR = OTHER			
MAHIMAHI	305	303	$377
SHARK	760	0	$0
HAMMERHEAD SHARK	135	0	$0
REGION = 2 TO 20 MILES GEAR = FLAGLINE			
STRIPED MARLIN	67,317	67,317	$71,689
BLUE MARLIN	14,553	14,553	$10,739
BROADBILL	429	429	$174
SAILFISH	529	529	$253
MAHIMAHI	15,087	15,087	$27,553
ONO	5,843	5,843	$5,120
SHORTBILL SPEARFISH	5,692	5,692	$4,067
BLACK MARLIN	419	419	$443

Table 5.--Continued.

SPECIES	LBCAUGHT	LBSOLD	REVENUE
REGION = 2 TO 20 MILES GEAR = DEEP-SEA HANDLINE			
STRIPED MARLIN	10,895	9,942	$3,841
BLUE MARLIN	10,748	10,564	$3,708
BROADBILL	2,356	2,074	$1,337
SAILFISH	235	159	$41
MAHIMAHI	22,526	21,703	$32,091
ONO	32,202	28,908	$24,969
SHARK	339	0	$0
SHORTBILL SPEARFISH	395	395	$189
BLACK MARLIN	1,003	1,003	$163
REGION = 2 TO 20 MILES GEAR = INSHORE HANDLINE			
MAHIMAHI	107	107	$137
ONO	170	170	$164
REGION = 2 TO 20 MILES GEAR = TROLLING LINE			
STRIPED MARLIN	115,602	68,775	$26,081
BLUE MARLIN	154,514	97,079	$33,522
BROADBILL	543	543	$451
SAILFISH	1,204	613	$251
MAHIMAHI	82,987	58,340	$92,483
ONO	98,587	71,550	$69,846
SHARK	260	0	$0
SHORTBILL SPEARFISH	5,141	2,985	$1,319
BLACK MARLIN	5,054	3,645	$1,330
REGION = 2 TO 20 MILES GEAR = OTHER			
MAHIMAHI	5,958	5,906	$10,205
ONO	277	277	$250
SHARK	9	9	$7
REGION = NORTHWESTERN H.I. GEAR = DEEP-SEA HANDLINE			
MAHIMAHI	67	67	$93
ONO	8,200	8,200	$6,082
REGION = BEYOND 20 MILES GEAR = FLAGLINE			
STRIPED MARLIN	6,239	6,239	$8,609
BLUE MARLIN	2,198	2,198	$1,351
SAILFISH	55	55	$17
MAHIMAHI	1,374	1,374	$2,450
ONO	1,693	1,693	$1,290
SHORTBILL SPEARFISH	1,345	1,345	$1,026

Table 5.--Continued.

SPECIES	LBCAUGHT	LBSOLD	REVENUE
REGION = BEYOND 20 MILES GEAR = DEEP-SEA HANDLINE			
STRIPED MARLIN	442	442	$398
BROADBILL	90	90	$45
SAILFISH	176	176	$95
MAHIMAHI	1,215	1,215	$1,741
ONO	204	174	$138
SHORTBILL SPEARFISH	654	654	$664
REGION = BEYOND 20 MILES GEAR = TROLLING LINE			
STRIPED MARLIN	1,485	1,485	$1,150
BLUE MARLIN	4,174	3,670	$1,681
MAHIMAHI	2,332	1,818	$3,579
ONO	265	260	$228
SHORTBILL SPEARFISH	81	77	$19
BLACK MARLIN	397	397	$297
REGION = BEYOND 20 MILES GEAR = OTHER			
MAHIMAHI	1,132	1,132	$1,538
REGION = OTHER GEAR = TROLLING LINE			
STRIPED MARLIN	70	50	$75
MAHIMAHI	102	87	$131
ONO	56	56	$39

I TABLE 5.--HDAR 1977 DATA BY REGION, GEAR, AND SPECIES.

SPECIES	LBCAUGHT	LBSOLD	REVENUE
REGION = 0 TO 2 MILES GEAR = FLAGLINE			
MAHIMAHI	55	55	$83
REGION = 0 TO 2 MILES GEAR = DEEP-SEA HANDLINE			
BLUE MARLIN	895	534	$333
MAHIMAHI	1,817	1,757	$2,607
ONO	3,202	3,202	$2,810
SHARK	548	134	$18
REGION = 0 TO 2 MILES GEAR = INSHORE HANDLINE			
MAHIMAHI	226	211	$369
ONO	224	224	$196
SHARK	450	0	$0
REGION = 0 TO 2 MILES GEAR = TROLLING LINE			
STRIPED MARLIN	622	566	$290
BLUE MARLIN	6,810	3,641	$1,252
SAILFISH	135	135	$119
MAHIMAHI	5,955	4,807	$6,714
ONO	26,730	23,109	$26,810
SHARK	100	0	$0
SHORTBILL SPEARFISH	74	74	$47
REGION = 0 TO 2 MILES GEAR = OTHER			
MAHIMAHI	293	293	$480
ONO	182	182	$182
SHARK	543	3	$0
HAMMERHEAD SHARK	40	0	$0
SHORTBILL SPEARFISH	81	81	$66
REGION = 2 TO 20 MILES GEAR = FLAGLINE			
STRIPED MARLIN	64,772	64,772	$79,657
BLUE MARLIN	22,523	22,523	$17,834
BROADBILL	35,362	35,362	$61,388
SAILFISH	620	620	$626
MAHIMAHI	13,805	13,805	$27,620
ONO	11,316	11,316	$10,204
SHORTBILL SPEARFISH	6,133	6,133	$4,419
BLACK MARLIN	258	258	$401

Table 5.--Continued.

SPECIES	LBCAUGHT	LBSOLD	REVENUE
REGION = 2 TO 20 MILES GEAR = DEEP-SEA HANDLINE			
STRIPED MARLIN	1,217	1,174	$1,095
BLUE MARLIN	15,858	13,196	$5,776
BROADBILL	3,756	3,756	$3,191
SAILFISH	107	39	$23
MAHIMAHI	15,462	14,563	$22,993
ONO	24,237	23,402	$23,408
SHARK	695	416	$112
SHORTBILL SPEARFISH	473	396	$163
BLACK MARLIN	730	557	$332
REGION = 2 TO 20 MILES GEAR = INSHORE HANDLINE			
STRIPED MARLIN	100	100	$100
MAHIMAHI	228	228	$299
ONO	805	750	$750
REGION = 2 TO 20 MILES GEAR = TROLLING LINE			
SWORDFISH	138	138	$62
STRIPED MARLIN	18,923	10,922	$9,086
BLUE MARLIN	314,008	228,526	$81,502
BROADBILL	290	290	$323
SAILFISH	376	223	$133
MAHIMAHI	100,538	77,578	$141,838
ONO	151,358	122,348	$134,072
SHARK	461	161	$32
SHORTBILL SPEARFISH	5,676	2,886	$1,449
BLACK MARLIN	5,606	3,195	$1,132
REGION = 2 TO 20 MILES GEAR = OTHER			
SAILFISH	22	22	$13
MAHIMAHI	5,696	5,671	$10,564
ONO	380	360	$372
SHARK	354	154	$45
REGION = NORTHWESTERN H.I. GEAR = DEEP-SEA HANDLINE			
ONO	612	612	$817
REGION = NORTHWESTERN H.I. GEAR = TROLLING LINE			
MAHIMAHI	20	20	$30
ONO	1,055	1,055	$858

Table 5.--Continued.

SPECIES	LBCAUGHT	LBSOLD	REVENUE
REGION = BEYOND 20 MILES GEAR = FLAGLINE			
STRIPED MARLIN	5,161	5,161	$6,603
BLUE MARLIN	2,103	2,103	$1,636
BROADBILL	1,603	1,603	$2,830
SAILFISH	114	114	$69
MAHIMAHI	1,007	1,007	$1,761
ONO	868	868	$963
SHORTBILL SPEARFISH	297	297	$175
BLACK MARLIN	205	205	$174
REGION = BEYOND 20 MILES GEAR = DEEP-SEA HANDLINE			
STRIPED MARLIN	110	110	$105
BROADBILL	224	224	$198
SAILFISH	26	26	$17
MAHIMAHI	971	971	$1,598
ONO	1,127	1,127	$1,082
REGION = BEYOND 20 MILES GEAR = INSHORE HANDLINE			
SHARK	230	0	$0
REGION = BEYOND 20 MILES GEAR = TROLLING LINE			
STRIPED MARLIN	381	331	$270
BLUE MARLIN	4,023	2,962	$1,183
SAILFISH	7	0	$0
MAHIMAHI	1,482	1,311	$2,299
ONO	1,070	668	$1,011
SHORTBILL SPEARFISH	29	29	$49
BLACK MARLIN	1,278	1,278	$516
REGION = BEYOND 20 MILES GEAR = OTHER			
MAHIMAHI	2,765	2,765	$4,543
ONO	8	8	$6
REGION = OTHER GEAR = TROLLING LINE			
STRIPED MARLIN	50	0	$0
ONO	254	254	$270

I TABLE 5.--HDAR 1978 DATA BY REGION, GEAR, AND SPECIES.

SPECIES	LBCAUGHT	LBSOLD	REVENUE
REGION = 0 TO 2 MILES GEAR = FLAGLINE			
MAHIMAHI	881	881	$1,469
ONO	534	534	$775
REGION = 0 TO 2 MILES GEAR = DEEP-SEA HANDLINE			
SAILFISH	70	70	$70
MAHIMAHI	307	307	$486
ONO	411	386	$490
SHARK	300	72	$25
REGION = 0 TO 2 MILES GEAR = INSHORE HANDLINE			
STRIPED MARLIN	136	136	$54
BLUE MARLIN	1,114	1,114	$465
BROADBILL	47	47	$47
MAHIMAHI	850	787	$1,424
ONO	1,943	1,888	$2,529
SHARK	531	166	$72
REGION = 0 TO 2 MILES GEAR = TROLLING LINE			
STRIPED MARLIN	497	337	$279
BLUE MARLIN	6,863	3,822	$1,716
MAHIMAHI	3,898	2,984	$4,908
ONO	13,951	11,303	$16,131
SHARK	1,525	60	$35
REGION = 0 TO 2 MILES GEAR = OTHER			
MAHIMAHI	4	4	$6
ONO	43	0	$0
SHARK	243	43	$2
HAMMERHEAD SHARK	1,527	--	--
REGION = 2 TO 20 MILES GEAR = FLAGLINE			
STRIPED MARLIN	87,889	87,889	$124,052
BLUE MARLIN	34,622	34,622	$32,643
BROADBILL	11,952	11,282	$17,181
SAILFISH	49	49	$37
MAHIMAHI	7,449	7,449	$17,480
ONO	7,722	7,722	$9,701
SHARK	11,085	1,335	$453
SHORTBILL SPEARFISH	9,719	9,719	$11,023

Table 5.--Continued.

SPECIES	LBCAUGHT	LBSOLD	REVENUE
REGION = 2 TO 20 MILES GEAR = DEEP-SEA HANDLINE			
STRIPED MARLIN	2,613	2,287	$2,280
BLUE MARLIN	11,156	10,809	$4,945
BROADBILL	8,916	8,916	$10,235
SAILFISH	43	43	$15
MAHIMAHI	12,654	12,111	$22,111
ONO	21,887	21,438	$27,124
SHARK	3,740	1,282	$472
SHORTBILL SPEARFISH	577	577	$676
REGION = 2 TO 20 MILES GEAR = INSHORE HANDLINE			
MAHIMAHI	19	19	$29
ONO	68	34	$53
REGION = 2 TO 20 MILES GEAR = TROLLING LINE			
STRIPED MARLIN	36,752	26,545	$25,476
BLUE MARLIN	464,326	360,320	$157,749
BROADBILL	558	558	$736
SAILFISH	535	210	$101
MAHIMAHI	91,774	72,874	$144,685
ONO	140,566	116,466	$156,433
SHARK	3,164	964	$393
SHORTBILL SPEARFISH	12,637	7,744	$6,109
BLACK MARLIN	1,368	424	$434
REGION = 2 TO 20 MILES GEAR = OTHER			
MAHIMAHI	8,732	8,732	$16,600
ONO	87	55	$55
REGION = NORTHWESTERN H.I. GEAR = DEEP-SEA HANDLINE			
MAHIMAHI	118	118	$192
ONO	1,996	1,996	$4,839
REGION = BEYOND 20 MILES GEAR = FLAGLINE			
STRIPED MARLIN	17,382	17,382	$21,314
BLUE MARLIN	5,458	5,458	$4,536
BROADBILL	8,530	8,530	$12,683
MAHIMAHI	2,092	2,092	$4,336
ONO	1,917	1,917	$2,677
SHORTBILL SPEARFISH	1,449	1,449	$1,616

Table 5.--Continued.

SPECIES	LBCAUGHT	LBSOLD	REVENUE
REGION = BEYOND 20 MILES GEAR = DEEP-SEA HANDLINE			
STRIPED MARLIN	585	545	$409
BLUE MARLIN	988	988	$280
BROADBILL	140	140	$105
MAHIMAHI	512	512	$843
ONO	314	304	$354
SHARK	82	82	$44
REGION = BEYOND 20 MILES GEAR = TROLLING LINE			
STRIPED MARLIN	1,167	1,045	$789
BLUE MARLIN	12,791	11,656	$3,761
MAHIMAHI	772	548	$1,274
ONO	1,626	1,395	$1,945
SHORTBILL SPEARFISH	337	307	$282
REGION = BEYOND 20 MILES GEAR = OTHER			
MAHIMAHI	514	514	$1,201
REGION = OTHER GEAR = TROLLING LINE			
MAHIMAHI	172	172	$371
ONO	1,913	1,913	$2,157
REGION = OTHER GEAR = OTHER			
MAHIMAHI	14	14	$38

I TABLE 5.--HDAR 1979 DATA BY REGION, GEAR, AND SPECIES.

SPECIES	LBCAUGHT	LBSOLD	REVENUE
REGION = 0 TO 2 MILES GEAR = FLAGLINE			
MAHIMAHI	510	510	$920
ONO	29	29	$59
REGION = 0 TO 2 MILES GEAR = DEEP-SEA HANDLINE			
STRIPED MARLIN	286	216	$115
BLUE MARLIN	705	705	$436
BROADBILL	827	812	$1,152
MAHIMAHI	2,314	2,061	$3,261
ONO	4,135	3,968	$6,140
SHORTBILL SPEARFISH	45	45	$56
BLACK MARLIN	202	202	$101
REGION = 0 TO 2 MILES GEAR = INSHORE HANDLINE			
MAHIMAHI	87	80	$127
SHARK	58	--	--
REGION = 0 TO 2 MILES GEAR = TROLLING LINE			
STRIPED MARLIN	989	837	$992
BLUE MARLIN	18,386	14,922	$6,171
SAILFISH	152	77	$56
MAHIMAHI	6,399	4,960	$9,263
ONO	27,982	23,658	$43,499
SHARK	66	66	$6
SHORTBILL SPEARFISH	391	391	$298
REGION = 0 TO 2 MILES GEAR = OTHER			
MAHIMAHI	98	98	$203
ONO	28	28	$65
SHARK	1,026	29	$48
HAMMERHEAD SHARK	1,880	--	--
SHORTBILL SPEARFISH	729	679	$669

Table 5.--Continued.

SPECIES	LBCAUGHT	LBSOLD	REVENUE
REGION = 2 TO 20 MILES GEAR = FLAGLINE			
STRIPED MARLIN	66,510	66,510	$94,880
BLUE MARLIN	13,747	13,747	$14,536
BROADBILL	14,278	14,278	$23,566
SAILFISH	677	677	$597
MAHIMAHI	6,508	6,508	$13,655
ONO	2,741	2,741	$5,247
SHARK	871	871	$397
SHORTBILL SPEARFISH	3,747	3,747	$4,422
BLACK MARLIN	100	100	$98
REGION = 2 TO 20 MILES GEAR = DEEP-SEA HANDLINE			
SWORDFISH	2	--	--
STRIPED MARLIN	4,474	4,364	$5,493
BLUE MARLIN	12,508	12,211	$8,980
BROADBILL	12,201	12,201	$16,812
SAILFISH	99	99	$82
MAHIMAHI	19,285	18,307	$34,539
ONO	16,826	16,148	$27,170
SHARK	190	--	--
SHORTBILL SPEARFISH	410	390	$329
BLACK MARLIN	1,633	1,285	$1,322
REGION = 2 TO 20 MILES GEAR = INSHORE HANDLINE			
MAHIMAHI	14	--	--
REGION = 2 TO 20 MILES GEAR = TROLLING LINE			
STRIPED MARLIN	32,110	24,362	$25,454
BLUE MARLIN	374,958	294,078	$138,877
BROADBILL	350	121	$96
SAILFISH	1,203	604	$351
MAHIMAHI	124,447	104,039	$206,138
ONO	136,589	114,537	$199,021
SHARK	1,549	238	$37
HAMMERHEAD SHARK	150	--	--
SHORTBILL SPEARFISH	11,013	7,425	$8,383
BLACK MARLIN	8,618	6,111	$2,860

Table 5.--Continued.

SPECIES	LBCAUGHT	LBSOLD	REVENUE
REGION = 2 TO 20 MILES GEAR = OTHER			
STRIPED MARLIN	330	75	$172
BLUE MARLIN	659	659	$98
MAHIMAHI	6,492	6,447	$12,328
ONO	52	27	$71
SHARK	135	135	$41
REGION = NORTHWESTERN H.I. GEAR = DEEP-SEA HANDLINE			
BROADBILL	141	141	$176
ONO	96	96	$133
REGION = NORTHWESTERN H.I. GEAR = TROLLING LINE			
MAHIMAHI	30	30	$30
ONO	7,094	7,094	$16,001
REGION = BEYOND 20 MILES GEAR = FLAGLINE			
STRIPED MARLIN	4,954	4,954	$8,903
BLUE MARLIN	1,481	1,481	$1,507
BROADBILL	220	220	$330
SAILFISH	73	73	$42
MAHIMAHI	553	553	$1,054
ONO	445	445	$1,206
SHARK	534	534	$188
SHORTBILL SPEARFISH	622	622	$823
REGION = BEYOND 20 MILES GEAR = DEEP-SEA HANDLINE			
STRIPED MARLIN	644	644	$781
BLUE MARLIN	1,569	1,464	$1,267
BROADBILL	621	621	$812
SAILFISH	77	77	$86
MAHIMAHI	2,040	2,040	$3,891
ONO	833	759	$1,921
REGION = BEYOND 20 MILES GEAR = TROLLING LINE			
STRIPED MARLIN	875	700	$445
BLUE MARLIN	13,042	11,255	$4,082
MAHIMAHI	1,395	997	$1,834
ONO	1,285	822	$1,256
SHORTBILL SPEARFISH	229	110	$129
BLACK MARLIN	443	318	$151

Table 5.--Continued.

SPECIES	LBCAUGHT	LBSOLD	REVENUE
REGION = BEYOND 20 MILES GEAR = OTHER			
STRIPED MARLIN	232	232	$153
BLUE MARLIN	234	234	$70
MAHIMAHI	3,754	3,754	$5,205
ONO	42	42	$73
SHORTBILL SPEARFISH	30	--	--
REGION = OTHER GEAR = FLAGLINE			
STRIPED MARLIN	397	397	$288
BROADBILL	300	300	$498
MAHIMAHI	274	250	$620
ONO	297	297	$565
BLACK MARLIN	144	144	$184
REGION = OTHER GEAR = DEEP-SEA HANDLINE			
ONO	5	--	--
REGION = OTHER GEAR = TROLLING LINE			
BLUE MARLIN	180	--	--
MAHIMAHI	311	311	$647
ONO	1,218	1,218	$3,025
SHORTBILL SPEARFISH	38	38	$19
REGION = OTHER GEAR = OTHER			
MAHIMAHI	37	37	$34