APPENDIX A

HISTORICAL SWORDFISH CATCH AND EFFORT DATA.

These data are from Fishery Statistics of the U.S., NOAA/NMFS, years 1960-1976 (the most recent issue). States were grouped as follows: New England Fisheries -ME, NH, MA, RI, CT; Middle Atlantic Fisheries - NY, NJ, DE; Chesapeake Fisheries - MD, VA; South Atlantic Fisheries -NC, SC, GA, FL E. Coast; Gulf Fisheries - FL W. Coast, AL, MS, LA, TX; Puerto Rico Fisheries. Landings were then grouped according to Council area: NEFMC - ME, NH, MA, RI, CT; MAFMC - NY, NJ, DE, MD, VA; SAFMC - NC, SC, GA, FL E. Coast; GMFMC - FL. W. Coast, AL, MS, LA, TX; CFMC - PR, U. S. VI.

Table A-1. NEW ENGLAND FISHERY MANAGEMENT COUNCIL AREA - New England Fisheries

	MAINE						NEW HAMPSHIRE					
	TOTAL LANDINGS		HARPOON		LONGLINE		TOTAL LANDINGS		HARPOON		LONGLINE	
YEAR	'000 lb	'000 $	lb	$	lb	$	'000 lb	'000 $	lb	$	lb	$
1960	1	(1)	1,000	411	0	0	-	-	-	-	-	-
1961	6	2	5,900	2,073	0	0	-	-	-	-	-	-
1962	52	21	9,000	4,047	43,400	17,222	-	-	-	-	-	-
1963	445	101	0	0	445,200	101,291	-	-	-	-	-	-
1964	241	84	40,100	2,766	241,100	83,838	-	-	-	-	-	-
1965	210	82	0	0	209,500	82,106	-	-	-	-	-	-
1966	171	73	0	0	170,700	72,877	-	-	-	-	-	-
1967	88	30	0	0	88,200	30,270	-	-	-	-	-	-
1968	89	39	0	0	89,400	38,758	-	-	-	-	-	-
1969	109	46	0	0	108,600	45,720	-	-	-	-	-	-
1970	53	28	0	0	52,900	27,500	-	-	-	-	-	-
1971	-	-	-	-	-	-	-	-	-	-	-	-
1972	-	-	-	-	-	-	-	-	-	-	-	-
1973	(1)	1	0	0	400[5]	525[5]	-	-	-	-	-	-
1974	119	118	6,000	7,902	113,000	109,781	-	-	-	-	-	-
1975	146	198	3,900	4,805	142,200	193,545	-	-	-	-	-	-
1976	611	825	0	0	610,500	824,524	-	-	-	-	-	-

Table A-1. Continued

	MASSACHUSETTS						RHODE ISLAND					
	TOTAL LANDINGS		HARPOON		LONGLINE		TOTAL LANDINGS		HARPOON		LONGLINE	
YEAR	'000 lb	'000 $	lb	$	lb	$	'000 lb	'000 $	lb	$	lb	$
1960	713	289	712,600	288,527	0	0	211	84	210,700	83,621	700[2]	251[2]
1961	694	268	693,700	267,640	0	0	128	49	127,100	48,745	300[2]	128[2]
											600[3]	58[3]
1962	703	307	632,600	275,519	70,600	31,445	109	48	93,500	42,432	15,700	5,336
1963	1,717	431	343,600	82,122	1,373,300	349,069	169	45	55,800	13,252	113,500	31,870
1964	1,149	326	175,700	46,671	973,600	279,102	65	21	35,200	11,134	29,900	9,795
1965	550	210	156,400	63,698	393,600	146,476	28	13	28,300	12,828	0	0
1966	683	272	160,600	71,430	522,500	200,765	1	1	800	458	0	0
1967	514	205	255,800	108,751	257,900	96,302	39	15	38,800	14,658	0	0
1968	263	134	186,000	98,216	77,500	35,308	37	20	20,500	11,218	16,000	8,637
1969	208	108	165,200	98,421	43,000	9,476	18	8	4,700	2,718	12,800	5,423
1970	209	131	207,800	129,379	1,500[4]	1,145[4]	6	4	5,800	3,870	300[2]	258[2]
1971	73	71	73,200	70,815	0	0	-	-	-	-	-	-
1972	417	604	350,800	515,332	66,300	89,033	124	152	123,600	152,060	0	0
1973	811	1,148	303,000	528,335	30,200[5]	34,155[5]	62	100	54,000	89,568	7,600	10,675
					477,600	585,230						
1974	2,898	2,682	716,100	799,727	2,181,700	1,882,237	336	480	319,100	462,058	16,900	17,550
1975	3,389	4,169	552,100	688,507	2,837,200	3,480,759	754	942	245,000	324,388	509,300	617,381
1976	2,458	3,268	355,200	552,559	2,103,300	2,714,886	338	510	92,500	161,527	244,600	347,868

Table A-1. Continued

	CONNECTICUT					
	TOTAL LANDINGS		HARPOON		LONGLINE	
YEAR	'000 lb	'000 $	lb	$	lb	$
1960	17	7	17,200	6,827	0	0
1961	1	1	1,000	597	-	-
1962	3	1	2,600	1,117	0	0
1963	-	-	-	-	-	-
1964	1	(1)	600	319	0	0
1965	(1)	(1)	300	186	0	0
1966	-	-	-	-	-	-
1967	-	-	-	-	-	-
1968	-	-	-	-	-	-
1969	1	1	-	-	1,000[2]	750[2]
1970	-	-	-	-	-	-
1971	-	-	-	-	-	-
1972	-	-	-	-	-	-
1973	-	-	-	-	-	-
1974	-	-	-	-	-	-
1975	5	6	4,800	6,500	0	0
1976	1	1	800	1,500	0	0

(1) Less than 500 lb or $500
2. Troll line
3. Floating trap
4. Hand line
5. Fish trawl
6. Otter trawl
7. Lobster trawl

Table A-2. MIDDLE-ATLANTIC FISHERY MANAGEMENT COUNCIL AREA

Middle Atlantic Fisheries

	NEW YORK						NEW JERSEY					
	TOTAL LANDINGS		HARPOON		LONGLINE		TOTAL LANDINGS		HARPOON		LONGLINE	
YEAR	'000 lb	'000 $	lb	$	lb	$	'000 lb	'000 $	lb	$	lb	$
1960	49	28	49,300	27,502	0	0	20	9	19,600	9,410	0	0
1961	49	22	48,900	21,466	100[6]	44[6]	23	12	23,100	11,557	0	0
1962	41	22	41,000	21,620	0	0	26	16	12,300	7,419	13,900	8,419
1963	47	17	29,100	10,813	17,700	6,583	193	90	6,300	2,648	100[6]	32[6]
											186,500	86,872
1964	171	58	16,200	5,438	154,700	52,205	307	103	4,100	1,248	100[5]	27[5]
											302,700	102,063
1965	88	30	39,800	13,504	47,900	16,227	1,001	438	1,600	670	100[5]	32[5]
											998,900	437,293
1966	83	35	15,900	6,757	67,200	28,443	253	120	900	436	252,400	119,561
1967	2	1	0	0	2,200	698	257	86	0	0	256,600	86,412
1968	57	27	0	0	700[4]	323[4]	73	29	0	0	73,100	29,255
					55,800	26,505						
1969	2	1	0	0	300[4]	110[4]	31	13	700	308	29,800	13,070
					2,200	800						
1970	18	10	0	0	300[4]	165[4]	-	-	-	-	-	-
					17,400	9,570						
1971	4	2	0	0	4,000	2,000	.5	.5	0	0	200[7]	75[7]
1972	-	-	-	-	-	-	-	-	-	-	-	-
1973	-	-	-	-	-	-	5	5	2,800	2,355	300[5]	437[5]
											1,700	2,304
1974	1	2	0	0	1,200	1,469	7	12	0	0	7,100	12,196
1975	-	-	-	-	-	-	122	225	0	0	122,000	224,908
1976	-	-	-	-	-	-	162	268	0	0	162,500	267,574

Table A-2. Continued

Middle Atlantic Fisheries

	Delaware					
	TOTAL LANDINGS		HARPOON		LONGLINE	
YEAR	'000 lb	'000 $	lb	$	lb	$
1960	-	-				
1961	-	-				
1962	-	-				
1963	-	-				
1964	-	-				
1965	-	-				
1966	-	-				
1967	-	-				
1968	-	-				
1969	-	-				
1970	-	-				
1971	-	-				
1972	-	-				
1973	-	-				
1974	-	-				
1975	-	-				
1976	-	-				

Table A-2. Continued

Chesapeake Fisheries

	VIRGINIA						MARYLAND					
	TOTAL LANDINGS		HARPOON		LONGLINE		TOTAL LANDINGS		HARPOON		LONGLINE	
YEAR	'000 lb	'000 $	lb	$	lb	$	'000 lb	'000 $	lb	$	lb	$
1960	-	-	-	-	-	-		-	-			
1961	-	-	-	-	-	-	-	-				
1962	-	-	-	-	-	-	-	-				
1963	183	79	0	0	183,200	78,740	-	-				
1964	635	218	0	0	635,400	217,946	-	-				
1965	302	112	0	0	302,400	112,183	-	-				
1966	89	41	0	0	88,500	40,793	-	-				
1967	145	72	0	0	145,200	72,175	-	-				
1968	86	50	0	0	86,000	49,666	-	-				
1969	7	4	0	0	6,900	3,559	-	-				
1970	-	-	-	-	-	-	-	-				
1971	-	-	-	-	-	-	-	-				
1972	-	-	-	-	-	-	-	-				
1973	2	5	0	0	2,400	4,565	-	-				
1974	68	93	0	0	68,300	93,427	-	-				
1975	27	37	0	0	27,300	37,285	-	-				
1976	25	34	0	0	24,900	34,001	-	-				

(1) Less than 500 lb or $500
2. Troll lines
3. Floating trap
4. Hand line
5. Fish trawl
6. Otter trawl
7. Lobster trawl

Table A-3. SOUTH ATLANTIC FISHERY MANAGEMENT COUNCIL AREA - South Atlantic Fisheries

	NORTH CAROLINA						SOUTH CAROLINA					
	TOTAL LANDINGS		HARPOON		LONGLINE		TOTAL LANDINGS		HARPOON		LONGLINE	
YEAR	'000 lb	'000 $	lb	$	lb	$	'000 lb	'000 $	lb	$	lb	$
1960	-	-	-	-	-	-	-	-	-	-	-	-
1961	-	-	-	-	-	-	-	-	-	-	-	-
1962	-	-	-	-	-	-	-	-	-	-	-	-
1963	1	1	0	0	1,200	648	-	-	-	-	-	-
1964	483	233	0	0	482,800	232,790	-	-	-	-	-	-
1965	524	283	0	0	524,000	283,320	-	-	-	-	-	-
1966	77	38	0	0	76,900	38,353	-	-	-	-	-	-
1967	-	-	-	-	-	-	-	-	-	-	-	-
1968	-	-	-	-	-	-	-	-	-	-	-	-
1969	-	-	-	-	-	-	-	-	-	-	-	-
1970	-	-	-	-	-	-	-	-	-	-	-	-
1971	-	-	-	-	-	-	-	-	-	-	-	-
1972	-	-	-	-	-	-	-	-	-	-	-	-
1973	-	-	-	-	-	-	-	-	-	-	-	-
1974	-	-	-	-	-	-	-	-	-	-	-	-
1975	-	-	-	-	-	-	-	-	-	-	-	-
1976	-	-	-	-	-	-	-	-	-	-	-	-

Table A-3. Continued

	GEORGIA						FLORIDA EAST COAST					
	TOTAL LANDINGS		HARPOON		LONGLINE		TOTAL LANDINGS		HARPOON		LONGLINE	
1960	-	-	-	-	-	-	-	-	-	-	-	-
1961	-	-	-	-	-	-	-	-	-	-	-	-
1962	-	-	-	-	-	-	-	-	-	-	-	-
1963	-	-	-	-	-	-	-	-	-	-	-	-
1964	-	-	-	-	-	-	-	-	-	-	-	-
1965	-	-	-	-	-	-	-	-	-	-	-	-
1966	-	-	-	-	-	-	-	-	-	-	-	-
1967	-	-	-	-	-	-	-	-	-	-	-	-
1968	-	-	-	-	-	-	-	-	-	-	-	-
1969	-	-	-	-	-	-	-	-	-	-	-	-
1970	-	-	-	-	-	-	-	-	-	-	-	-
1971	-	-	-	-	-	-	-	-	-	-	-	-
1972	-	-	-	-	-	-	-	-	-	-	-	-
1973	-	-	-	-	-	-	-	-	-	-	-	-
1974	-	-	-	-	-	-	-	-	-	-	-	-
1975	-	-	-	-	-	-	-	-	-	-	-	-
1976	-	-	-	-	-	-	262	355	-	-	262,200	355,281

Table A-4. GULF OF MEXICO FISHERY MANAGEMENT COUNCIL AREA - Gulf of Mexico Fisheries

	FLORIDA WEST COAST						ALABAMA					
	TOTAL LANDINGS		HARPOON		LONGLINE		TOTAL LANDINGS		HARPOON		LONGLINE	
YEAR	'000 lb	'000 $	lb	$	lb	$	'000 lb	'000 $	lb	$	lb	$
1960	-	-	-	-	-	-	-	-	-	-	-	-
1961	-	-	-	-	-	-	-	-	-	-	-	-
1962	-	-	-	-	-	-	-	-	-	-	-	-
1963	-	-	-	-	-	-	-	-	-	-	-	-
1964	-	-	-	-	-	-	-	-	-	-	-	-
1965	-	-	-	-	-	-	-	-	-	-	-	-
1966	-	-	-	-	-	-	-	-	-	-	-	-
1967	-	-	-	-	-	-	-	-	-	-	-	-
1968	-	-	-	-	-	-	-	-	-	-	-	-
1969	-	-	-	-	-	-	-	-	-	-	-	-
1970	56	23	0	0	55,700	22,831	3	3	0	0	3,000	2,480
1971	1	(1)	0	0	1,200	474	-	-	-	-	-	-
1972	-	-	-	-	-	-	-	-	-	-	-	-
1973	-	-	-	-	-	-	-	-	-	-	-	-
1974	50	86	-	-	49,900	85,860	36	63	-	-	36,400	63,336
1975	131	226	-	-	131,000	226,320	18	30	-	-	18,300	30,195
1976	391	816	30,400[2]	39,530[2]	1,600[4]	3,092[4]	-	-	-	-	-	-
					359,400	773,227						

Table A-4. Continued

	MISSISSIPPI						LOUISIANA					
	TOTAL LANDINGS		HARPOON		LONGLINE		TOTAL LANDINGS		HARPOON		LONGLINE	
YEAR	'000 lb	'000 $	lb	$	lb	$	'000 lb	'000 $	lb	$	lb	$
1960	-	-	-	-	-	-	-	-	-	-	-	-
1961	-	-	-	-	-	-	-	-	-	-	-	-
1962	-	-	-	-	-	-	-	-	-	-	-	-
1963	-	-	-	-	-	-	-	-	-	-	-	-
1964	-	-	-	-	-	-	-	-	-	-	-	-
1965	-	-	-	-	-	-	-	-	-	-	-	-
1966	-	-	-	-	-	-	-	-	-	-	-	-
1967	-	-	-	-	-	-	-	-	-	-	-	-
1968	-	-	-	-	-	-	-	-	-	-	-	-
1969	2	1	0	0	1,600	1,446	-	-	-	-	-	-
1970	287	223	0	0	286,500	223,056	-	-	-	-	-	-
1971	-	-	-	-	-	-	-	-	-	-	-	-
1972	-	-	-	-	-	-	-	-	-	-	-	-
1973	-	-	-	-	-	-	14	14	0	0	14,400	14,400
1974	-	-	-	-	-	-	-	-	-	-	-	-
1975	-	-	-	-	-	-	-	-	-	-	-	-
1976	-	-	-	-	-	-	-	-	-	-	-	-

Table A-4 Continued

	TEXAS					
	TOTAL LANDINGS		HARPOON		LONGLINE	
YEAR	'000 lb	'000 $	lb	$	lb	$
1960	-	-				
1961	-	-				
1962	-	-				
1963	-	-				
1964	-	-				
1965	-	-				
1966	-	-				
1967	-	-				
1968	-	-				
1969	-	-				
1970	-	-				
1971	-	-				
1972	-	-				
1973	-	-				
1974	-	-				
1975	-	-				
1976	-	-				

(1) Less than 500 lb or $500
2. Troll line
3. Floating trap
4. Hand line
5. Fish trawl
6. Otter trawl
7. Lobster trawl

Table A-5. CARIBBEAN FISHERY MANAGEMENT COUNCIL AREA

	PUERTO RICO[1]						U.S. VIRGIN ISLANDS[2]					
	TOTAL LANDINGS		HARPOON		LONGLINE		TOTAL LANDINGS		HARPOON		LONGLINE	
YEAR	'000 lb	'000 $	lb	$	lb	$	'000 lb	'000 $	lb	$	lb	$
1960												
1961												
1962												
1963	-	-	-	-	-	-						
1964	-	-	-	-	-	-						
1965	-	-	-	-	-	-						
1966	-	-	-	-	-	-						
1967	-	-	-	-	-	-						
1968	-	-	-	-	-	-						
1969	-	-	-	-	-	-						
1970	-	-	-	-	-	-						
1971	-	-	-	-	-	-						
1972	-	-	-	-	-	-						
1973	-	-	-	-	-	-						
1974	-	-	-	-	-	-						
1975	-	-	-	-	-	-						
1976	-	-	-	-	-	-						

1. Landing data for Puerto Rico was first published in Fishery Statistics of the U.S. in 1963. Historical catches were given.
2. No landing data was published for the U.S. Virgin Islands through 1976.

Table A-6. Summary of operating units by Council area (#H = number swordfish harpoons; #LL = number longlines or number set with hooks).

	NEFMC		MAFMC				SAFMC		GMFMC		CFMC	
	(ME, NH, MA, RI, CT)		Mid Atlantic (NY, NJ, DE)		Chesapeake (MD, VA)		(NC, SC, GA, FL E. Coast)		(FL. W. Coast, AL, MS, LA, TX)		(PR, VI)	
	# H	# LL	# H	# LL	# H	# LL	# H	# LL	# H	# LL	# H	# LL
1960	195[1]	138	38[1]	168	0	92	0	1,136	0	1,119		
1961	99	194	10[1]	169	0	141	0	1,198	0	1,633		
1962	103	199	10[1]	159	0	88	0	1,201	0	1,835		
1963	68	185	12[1]	150	0	80	0	1,102	0	2,097	-	-
1964	38	171	8[1]	108	0	88	0	1,040	0	1,830	-	-
1965	27	222	3[1]	91	0	83	0	1,256	0	1,921	-	-
1966	23	155	3[1]	48	0	60	0	1,013	0	1,684	-	-
1967	24	162	0	28	0	329	0	901	0	1,709	-	-
1968	21	118	0	45	0	60	0	916	0	1,576	-	-
1969	15	139	2	34	0	54	0	1,588	0	1,687	-	-
1970	21	144	0	42	0	38	0	1,181	0	1,712	-	-
1971	17	199	0	24	0	45	0	1,233	0	1,317	-	-
1972	20	207	0	49	0	46	0	1,330	0	1,248	-	-
1973	23	232	1	28	0	19	0	1,900	0	1,331	-	-
1974	43	231	0	36	0	204	0	1,769	0	144,575[2]	0	0
1975	38	179	0	64	0	251	0	1,423	0	1,535	0	0
1976	28	294	0	170	0	322	0	1,312	0	1,497	0	0

1. Not specified as swordfish harpoons.
2. 141,464 from Louisiana.