APPENDIX B

SUMMARIZED DATA FROM THE LOGS OF A NEW ENGLAND LONGLINER FROM SETS MADE IN THE GULF OF MEXICO, FLORIDA STRAITS AND NEW ENGLAND AREA

Table B-1. Summarized catch and effort data of a New England longliner from sets made 1974-78 in the Gulf of Mexico, Florida Straits, and New England area.

	1974	1975	1976	1977	1978
Total number of fish	1,042	903	840	965	777
Total number of hooks	60,250	74,096	74,576	53,456	39,273
Mean dressed weight (lbs)	72.3	75.5	68.4	73.6	90.9
Mean catch per 100 hooks	1.73	1.22	1.13	1.81	1.98
Number of sets in Florida Straits	0	12	42	56	31
% of total sets made in Fla. Straits	0	11.7%	38.2%	51.4%	29.5%

Table B-2. Catch per hook set (CPUE), and mean, standard deviation and standard error by fishing area.

GULF OF MEXICO

TRIP	CPUE
1	
2	
3	.0116
4	.0436
5	.0169
6	.0226
18	.0101
19	.0108
20	.0078
21	.0041
36	.0054
37	.0062
52	.0113
53	.0043
69	.0074
MEAN =	.0125
S =	.0107
$S_{\bar{x}}$ =	.0030
n =	13

FLA. EAST COAST

TRIP	CPUE
22	.0165
23	.0211
34	.0052
35	.0053
38	.0115
39	.0162
40	.0112
54	.0073
55	.0134
56	.0115
57	.0155
58	.0120
59	.0119
60	.0074
68	.0097
70	.0085
71	.0092
72	.0080
73	.0027
MEAN =	.0107
S =	.0045
$S_{\bar{x}}$ =	.0010
n =	19

mean CPUE Fla. east coast

1975 - .0188
1976 - .0099
1977 - .0111
1978 - .0071

MIDDLE ATLANTIC

TRIP	CPUE
17	.0029
24	.0057
33	.0268
41	.0100
50	.0272
51	.0032
61	.0220
64	.0531
65	.0630
66	.0683
67	.0396
74	.0212
75	.0067
MEAN =	.0269
S =	0.227
$S_{\bar{x}}$ =	.0063
n =	13

Mean = .0214
S_x = .0159
$S_{\bar{x}}$ = .0027
n = .6

NORTH EAST

TRIP	CPUE
7	.0142
8	.0188
9	.0183
10	.0287
11	.0244
12	.0191
13	.0262
14	.0144
15	.0090
16	.0091
25	.0049
26	.0123
27	.0063
28	.0127
29	.0207
30	.0132
31	.0166
32	.0390
43	.0036
44	.0066
45	.0081
46	.0149
47	.0318
48	.0132
49	.0190
62	.0376
63	.0165
76	.0161
77	.0201
78	.0352
79	.0233
80	.0180
81	.0747
82	.0758
83	.0288
84	.0188

Table B-3. Catch (number of swordfish) and effort (number of hooks) by trip and mean, standard deviation, and standard error for each year (CPUE = number swordfish per hook).

TRIP	TOTAL HOOKS SET	CPUE			TRIP	TOTAL HOOKS SET	CPUE		
1	?	-			34	4778	.0052		
2	?	-			35	6788	.0053		
3	3876	.0116			36	3156	.0054		
4	2796	.0436			37	5364	.0062		
5	4730	.0169			38	6684	.0115		
6	4332	.0226			39	3648	.0162		
7	2808	.0142			40	7708	.0112		
8	3981	.0188			41	1608	.0100		
9	4584	.0183			43	2796	.0036		
10	3312	.0287	MEAN	= .0187	44	5328	.0066	MEAN	= .0117
11	3156	.0244	S_x	= .0098	45	3960	.0081	S_x	= .0082
12	4021	.0191	$S_{\bar{x}}$	= .0025	46	5496	.0149	$S_{\bar{x}}$	= .0020
13	3048	.0262	n	= 15	47	2952	.0318	n	= 17
14	3948	.0144			48	3708	.0132		
15	2770?	.0090			49	3888	.0190		
16	3070	.0091			50	3894	.0272		
17	2730	.0029	1974		51	2820	.0032	1976	
18	4274	.0101			52	3000	.0113		
19	5267	.0108			53	5328	.0043		
20	5253	.0078			54	4272	.0073		
21	4416	.0041			55	4323	.0134		
22	3828	.0165			56	5240	.0115		
23	4212	.0211			57	4910	.0155		
24	2616	.0057			58	4160	.0120		
25	4884	.0049			59	4810	.0119		
26	6964	.0123	MEAN	= .0143	60	1890	.0074	MEAN	= .0238
27	6864	.0063	S_x	= .0092	61	2275	.0220	S_x	= .0206
28	5034	.0127	$S_{\bar{x}}$	= .0023	62	3540	.0376	$S_{\bar{x}}$	= .0050
29	5256	.0207	n	= 16	63	1698	.0165	n	= 17
30	6384	.0132			64	1656	.0531		
31	5664	.0166			65	762	.0630		
32	564	.0390			66	1860	.0683		
33	2616	.0268	1975		67	1566	.0396		
					68	2166	.0097	1977	

Table B-3. Continued

TRIP	TOTAL HOOKS SET	CPUE			
69	2968	.0074			
70	2352	.0085			
71	3043	.0092			
72	3125	.0080			
73	2595	.0027			
74	2594	.0212			
75	3596	.0067			
76	1488	.0161			
77	2978	.0201	MEAN	=	.0234
78	2416	.0352	S_x	=	.0220
79	1928	.0233	$S_{\bar{x}}$	=	.0055
80	3057	.0180	n^x	=	16
81	1232	.0747			
82	1939	.0758			
83	1355	.0288			
84	2607	.0188	1978		

Table B-4. Number and percent of total billfishes caught incidental to swordfish by year.*

YEAR	NO. HOOKS	SWORDFISH		SAILFISH		WHITE MARLIN		BLUE MARLIN	
		NO. OF	%	NO. OF	%	NO. OF	%	NO. OF	%
1974	22,743	352	99.72	0	0	1	0.28	0	0
1975	74,096	903	99.12	0	0	8	0.88	0	0
1976	74,576	840	98.59	4	0.47	7	0.82	1	0.12
1977	53,456	965	98.97	5	0.51	4	0.41	0	0
1978	39,273	777	96.52	4	0.50	22	2.73	2	0.25
TOTALS	264,144	3,837	98.51	13	0.33	42	1.08	3	0.08

*Includes only those sets for which associated species were recorded in logs.

Table B-5. Size frequency distributions by year (dressed weight).*

WEIGHT CLASS	1974 NO.	1974 PERCENT	1975 NO.	1975 PERCENT	1976 NO.	1976 PERCENT	1977 NO.	1977 PERCENT	1978 NO.	1978 PERCENT
0-20	47	10.83	47	5.87	21	2.75	32	3.98	23	3.10
21-40	126	29.03	168	20.97	207	27.13	187	23.23	102	13.73
41-60	54	12.44	144	17.98	182	23.85	183	22.73	118	15.88
61-80	50	11.52	119	14.86	136	17.82	144	17.89	139	18.71
81-100	55	12.67	103	12.86	78	10.22	81	10.06	118	15.88
101-120	32	7.37	61	7.62	49	6.42	59	7.33	75	10.09
121-140	20	4.61	46	5.74	30	3.93	46	5.71	58	7.81
141-160	14	3.23	30	3.75	21	2.75	24	2.98	32	4.31
161-180	6	1.38	26	3.25	15	1.97	20	2.48	24	3.23
181-200	9	2.07	17	2.12	10	1.31	13	1.61	20	2.69
201-220	9	2.07	15	1.87	3	0.39	3	0.37	11	1.48
221-240	5	1.15	10	1.25	4	0.52	6	0.75	6	0.81
241+	7	1.61	15	1.87	7	0.92	7	0.87	17	2.29
	434		801		763		805		743	

*only includes trips for which a weigh-out sheet exists.

Table B-6. Percent and number swordfish caught by size category for the Gulf of Mexico.

TRIP	TOTAL NO. HOOKS	NO. OF SETS	TOTAL NO. FISH	TOTAL WT.*		MEAN WT.	PERCENT AND NUMBER IN EACH SIZE CATEGORY** %LG (NO.)		%MED (NO.)		%SM (NO.)		%V.SM (NO.)	
1	?	6	34	1176	(33)	35.6	3.0	(1)	18.2	(6)	24.2	(8)	54.6	(18)
2	?	6	18	1152	(18)	64.0	16.7	(3)	33.3	(6)	22.2	(4)	27.8	(5)
3	3876	6	45	3344	(45)	74.3	28.9	(13)	46.7	(21)	4.4	(2)	20.0	(9)
4	2796	4	122	7097	(122)	58.2	16.4	(20)	34.4	(42)	23.8	(29)	25.4	(31)
5	4730	6	80	5123	(75)	68.3	26.7	(20)	29.3	(22)	22.7	(17)	21.3	(16)
6	4332	6	98	4611	(88)	52.4	13.6	(12)	25.0	(22)	36.4	(32)	25.0	(22)
18	4274	6	43	2354	(43)	54.7	14.0	(6)	23.	(10)	20.9	(9)	41.9	(18)
19	5267	6	57	3719	(57)	65.2	22.8	(13)	29.8	(17)	31.6	(18)	15.8	(9)
20	5253	7	41	2979	(41)	72.6	19.5	(8)	41.5	(17)	26.8	(11)	12.2	(5)
21	4416	6	18	-	-									
36	3156	4	17	1201	(17)	70.6	11.8	(2)	52.9	(9)	29.4	(5)	5.9	(1)
37	5364	8	33	2469	(30)	82.3	26.7	(8)	56.7	(17)	13.3	(4)	3.3	(1)
52	3000	5	34	1751	(32)	54.7	15.6	(5)	18.8	(6)	31.3	(10)	34.4	(11)
53	5328	11	23	1423	(21)	67.8	28.6	(6)	28.6	(6)	28.6	(6)	14.3	(3)
69	2968	7	22	1506	(22)	82.0	36.4	(8)	27.3	(6)	18.2	(4)	18.2	(4)
TOTAL	54,760	94	685	39,905		(644)								
MEAN	4,212	6.3	45.7	2,850.4		62.0	19.4	(125)	32.1	(207)	24.7	(159)	23.8	(153)

* Based on number of fish in parentheses - not all fish weights were recorded.

**LG - over 100 lbs dressed weight
MED - 50-99 lbs dressed weight
SM - 25-49 lbs dressed weight
V.SM - under 25 lbs dressed weight

Table B-7. Percent and number swordfish caught by size category for the Florida east coast.[1/] (*, **, See Table B-6).

TRIP	TOTAL NO. HOOKS	NO. OF SETS	TOTAL NO. FISH	TOTAL WT.*		MEAN WT.	PERCENT AND NUMBER IN EACH SIZE CATEGORY** %LG (NO.)		%MED (NO.)		%SM (NO.)		%V.SM (NO.)	
22	3828	6	63	3799	(61)	62.3	11.5	(7)	47.5	(29)	26.2	(16)	14.8	(9)
23	4212	6	89	6412	(88)	72.9	22.7	(20)	43.2	(38)	26.1	(23)	8.0	(7)
34	4778	6	25	1898	(25)	75.9	24.0	(6)	48.0	(12)	20.0	(5)	8.0	(2)
35	6788	11	36	1462	(34)	43.0	2.9	(1)	26.5	(9)	44.1	(15)	26.5	(9)
38	6684	10	77	4213	(73)	57.7	11.0	(8)	42.5	(31)	27.4	(20)	19.2	(14)
39	3648	6	59	3906	(55)	71.0	14.6	(8)	50.9	(28)	27.3	(15)	7.3	(4)
40	7708	9	86	4238	(71)	59.7	12.7	(9)	42.3	(30)	35.2	(25)	9.9	(7)
54	4272	8	31	1506	(22)	68.5	18.2	(4)	45.5	(10)	22.7	(5)	13.6	(3)
55	4323	6	58	3981	(57)	69.8	24.6	(14)	31.6	(18)	31.6	(18)	12.3	(7)
56	5240	9	60	6077	(59)	103.0	45.8	(27)	35.6	(21)	13.6	(8)	5.1	(3)
57	4910	8	76	3857	(70)	55.1	14.3	(10)	20.0	(14)	50.0	(35)	15.7	(11)
58	4160	8	50	3613	(44)	82.1	31.8	(14)	45.5	(20)	20.5	(9)	2.3	(1)
59	4810	8	57	5055	(53)	95.4	45.3	(24)	28.3	(15)	24.5	(13)	1.9	(1)
60	1890	4	16	1793	(12)	149.4	66.7	(8)	33.3	(4)	0		0	
68	2166	5	21	1422	(21)	67.7	28.6	(6)	23.8	(5)	38.1	(8)	9.5	(2)
70	2352	6	20	2405	(20)	120.3	50.0	(10)	30.0	(6)	20.0	(4)	0	
71	3043	7	28	2033	(27)	75.3	25.9	(7)	37.0	(10)	25.9	(7)	11.1	(3)
72	3125	9	25	-										
73	2595	9	8	698	(8)	87.3	25.0	(2)	37.5	(3)	37.5	(3)	0	
TOTAL	80,532	141	885	58,368	(800)									
MEAN	4,238.5	7.4	46.6	3,242.7		72.96	23.1	(185)	37.9	(303)	28.6	(229)	10.4	(83)

1. Includes sets from Dry Tortugas to Cape Canaveral, including the Bahamas.

Table B-8. Percent and number swordfish caught by size category for the Mid-Atlantic Area.[1/] (*, **; See Table B-6).

TRIP	TOTAL NO. HOOKS	NO. OF SETS	TOTAL NO. FISH	TOTAL WT.*		MEAN W.T	PERCENT AND NUMBER IN EACH SIZE CATEGORY** %LG (NO.)		%MED (NO.)		%SM (NO.)		%V.SM (NO.)	
17	2730	3	8	-	-	-	-	-	-					
24	2616	4	24	1439	(24)	60.0	4.2	(1)	54.2	(13)	33.3	(8)	8.3	(2)
33	2616	4	70	3309	(64)	51.7	7.8	(5)	25.0	(16)	39.1	(25)	28.1	(18)
41	1608	4	16	1420	(16)	88.8	25.0	(4)	31.3	(5)	43.8	(7)	0	
50	3894	6	106	6350	(101)	62.9	15.8	(16)	23.8	(24)	44.6	(45)	15.8	(16)
51	2820	5	9	-		-								
61	2275	7	50	4127	(49)	84.2	22.5	(11)	46.9	(23)	26.5	(13)	4.0	(2)
64	1656	4	90	6318	(90)	70.2	21.1	(19)	40.0	(36)	27.8	(25)	11.1	(10)
65	762	2	48	4024	(48)	83.8	20.8	(10)	25.0	(12)	45.8	(22)	8.3	(4)
66	1860	4	127	7143	(124)	57.6	9.7	(12)	36.3	(45)	45.2	(56)	8.9	(11)
67	1566	4	63	4522	(62)	72.9	25.8	(16)	32.3	(20)	32.3	(20)	9.7	(6)
74	2594	7	54	4297	(52)	82.6	25.0	(13)	46.2	(24)	28.9	(15)	0	
75	3596	9	24	2618	(26)	100.7	30.8	(8)	42.3	(11)	26.9	(7)	0	
TOTAL	30,593	63	689	45,567	(656)									
MEAN	2,353	4.8	53	4,142.5		69.5	17.5	(115)	34.9	(229)	37.0	(243)	10.5	(69)

1/ Includes all sets north of Florida and south of Woods Hole.

Table B-9. Percent and number swordfish caught by size category for the north-east Area.[1] (*, **; See Table B-6).

TRIP	TOTAL NO. HOOKS	NO. OF SETS	TOTAL NO. FISH	TOTAL WT.*		MEAN WT.	PERCENT AND NUMBER IN EACH SIZE CATEGORY** %LG (NO.)		%MED (NO.)		%SM (NO.)		%V.SM (NO.)	
7	2808	4	40	-		-								
8	3981	5	75	-		-								
9	4584	5	84	-		-								
10	3312	4	94	-		-								
11	3156	4	77	-		-								
12	4021	5	77	-		-								
13	3048	4	80	-		-								
14	3948	5	57	8888	(53)	167.7	81.1	(43)	18.9	(10)	0		0	
15	2770	6	25	-	-	-	-							
16	3070	5	28	-	-	-	-							
25	4884	8	24	3210	(23)	139.6	78.3	(18)	17.4	(4)	4.4	(1)	0	
26	6964	9	60	7095	(58)	122.3	58.6	(34)	37.9	(22)	3.5	(2)	0	
27	6864	9	43	3318	(41)	80.9	29.3	(12)	53.7	(22)	14.6	(6)	2.4	(1)
28	5034	7	64	4702	(61)	77.1	24.6	(15)	45.9	(28)	23.0	(14)	6.6	(4)
29	5256	7	109	-	-									
30	6384	8	82	7365	(80)	92.1	35.0	(28)	41.3	(33)	16.3	(13)	7.5	(6)
31	5664	9	94	5511	(86)	64.1	16.3	(14)	38.4	(33)	26.7	(23)	18.6	(16)
32	564	1	22	1300	(22)	59.1	9.1	(2)	40.9	(9)	27.3	(6)	22.7	(5)
43	2796	6	10	773	(7)	104.7	57.1	(4)	28.6	(2)	14.3	(1)	0	
44	5328	7	35	2466	(29)	85.0	31.0	(9)	44.8	(13)	24.1	(7)	0	
45	3960	5	32	2349	(26)	90.3	26.9	(7)	34.6	(9)	30.8	(8)	7.7	(2)
46	5496	8	82	6079	(81)	75.0	25.9	(21)	39.5	(32)	30.9	(25)	3.7	(3)
47	2952	4	94	7022	(88)	79.8	29.6	(26)	33.0	(29)	28.4	(25)	9.1	(8)
48	3708	6	49	2544	(44)	57.8	9.1	(4)	43.2	(19)	43.2	(19)	4.6	(2)
49	3888	5	74	3193	(57)	56.0	10.5	(6)	28.1	(16)	52.6	(30)	8.8	(5)
62	3540	10	133	8813	(124)	71.1	14.5	(18)	63.7	(79)	19.4	(24)	2.4	(3)
63	1698	6	28	1809	(26)	69.6	15.4	(4)	50.0	(13)	26.9	(7)	7.7	(2)
76	1488	6	24	2377	(25)	95.1	20.0	(5)	68.0	(17)	8.0	(2)	4.0	(1)
77	2978	6	60	5999	(60)	100.0	43.3	(26)	50.0	(30)	6.7	(4)	0	
78	2416	4	85	6925	(82)	84.5	23.2	(19)	65.9	(54)	7.3	(6)	3.7	(3)
79	1928	6	45	3799	(36)	105.5	55.6	(20)	36.1	(13)	5.6	(2)	2.8	(1)
80	3057	8	55	5119	(51)	100.4	43.1	(22)	29.4	(15)	19.6	(10)	7.8	(4)
81	1232	3	92	9513	(87)	109.3	47.1	(41)	41.4	(36)	10.3	(9)	1.2	(1)
82	1939	5	147	11426	(147)	77.7	27.2	(40)	41.5	(61)	19.1	(28)	12.2	(18)
83	1355	4	39	3559	(37)	96.2	40.5	(15)	32.4	(12)	13.5	(5)	13.5	(5)
84	2607	6	49	3341	(45)	74.2	22.2	(10)	37.8	(17)	26.7	(12)	13.3	(6)
TOTAL	128,678	210	2,268	128,455	(1476									
MEAN	3,574	5.8	63.0	4,940.6		87.0	31.4	(463)	42.6	(628)	19.6	(289)	6.5	(96)

1. Trips out of Woods Hole, including trips to various canyons.

Table B-10. Percent and number swordfish caught by size category for all areas, by season, 1974 (*, **; See Table B-6).

MONTH	TRIP NO.	TOTAL NO. HOOKS	NO. SETS	NO. FISH	TOTAL WT.*		MEAN WT.	PERCENT AND NUMBER IN EACH SIZE CATEGORY**							
								%LG (NO.)		%MED (NO.)		%SM (NO.)		%V.SM (NO.)	
Mar	1	3544	6	34	1176	(33)	35.6	3.0	(1)	18.2	(6)	24.2	(8)	54.6	(18)
Mar-Apr	2	3544	6	18	1152	(18)	64.0	16.7	(3)	33.3	(6)	22.2	(4)	27.8	(5)
Apr	3	3876	6	45	3344	(45)	74.3	28.9	(13)	46.7	(21)	4.4	(2)	20.0	(9)
Apr-May	4	2796	4	122	7097	(122)	58.2	16.4	(20)	34.4	(42)	23.8	(29)	25.4	(31)
May	5	4730	6	80	5123	(75)	68.3	26.7	(20)	29.3	(22)	22.7	(17)	21.3	(16)
May	6	4332	6	98	4611	(88)	52.4	13.6	(12)	25.0	(22)	36.4	(32)	25.0	(22)
July	7	2808	4	40	-	-									
July	8	3981	5	75	-	-									
July-Aug	9	4584	5	84	-	-									
Aug	10	3312	4	94	-	-									
Aug	11	3156	4	77	-	-									
Sept	12	4021	5	77	-	-									
Oct	13	3048	4	80	-	-									
Oct	14	3948	5	57	8888	(53)	167.7	81.1	(43)	18.9	(10)	0	0		
Nov	15	2770	6	25	-	-									
Nov-Dec	16	3070	5	28	-	-									
Dec	17	2730	3	8	-	-									
TOTAL		60,250	84	1,042	31,391	(434)	-	-	-	-	-				
MEAN		3,544	4.9	61.3	4,484.4		72.3	25.8	(112)	29.7	(129)	21.2	(92)	23.3	(101)

Table B-11. Percent and number swordfish caught by size category for all areas, by season, 1975 (*, **; See Table B-6).

MONTH	TRIP NO.	TOTAL NO. HOOKS	NO. SETS	NO. FISH	TOTAL WT*		MEAN WT	PERCENT AND NUMBER IN EACH SIZE CATEGORY** %LG (NO.)		%MED (NO.)		%SM (NO.)		%V.SM (NO.)	
Jan	18	4274	6	43	2354	(43)	54.7	14.0	(6)	23.3	(10)	20.9	(9)	41.9	(18)
Feb	19	5267	6	57	3719	(57)	65.2	22.8	(13)	29.8	(17)	31.6	(18)	15.8	(4)
Feb-Mar	20	5253	7	41	2979	(41)	72.6	19.5	(8)	41.5	(17)	26.8	(11)	12.2	(5)
Mar	21	4416	6	18	-		-	22.2	(4)	50.0	(9)	27.8	(5)		
Apr	22	3828	6	63	3799	(61)	62.3	11.5	(7)	47.5	(29)	26.2	(16)	14.8	(9)
Apr-May	23	4212	6	89	6412	(88)	72.9	22.7	(20)	43.2	(38)	26.1	(23)	8.0	(7)
June	24	2616	4	24	1439	(24)	60.0	4.2	(1)	54.2	(13)	33.3	(8)	8.3	(2)
June	25	4884	8	24	3210	(23)	139.6	78.3	(18)	17.4	(4)	4.4	(1)	0	
July	26	6964	9	60	7095	(58)	122.3	58.6	(34)	37.9	(22)	3.5	(2)	0	
July-Aug	27	6864	9	43	3318	(41)	80.9	29.3	(12)	53.7	(22)	14.6	(6)	2.4	(1)
Aug	28	5034	7	64	4702	(61)	77.1	24.6	(15)	45.9	(28)	23.0	(14)	6.6	(4)
Sept	29	5256	7	109	-	-	-	-	-	-					
Sept-Oct	30	6384	8	82	7365	(80)	92.1	35.0	(28)	41.3	(33)	16.3	(13)	7.5	(6)
Oct-Nov	31	5664	9	94	5511	(86)	64.1	16.3	(14)	38.4	(33)	26.7	(23)	18.6	(16)
Nov	32	564	1	22	1300	(22)	59.1	9.1	(2)	40.9	(9)	27.3	(6)	22.7	(5)
Dec	33	2616	4	70	3309	(64)	51.7	7.8	(5)	25.0	(16)	39.1	(25)	28.1	(18)
TOTAL		74,096	103	903	56,512	(749)									
MEAN		4,631	6.4	56.4	4,036.6		75.5	24.4	(183)	38.9	(291)	23.4	(175)	13.4	(100)

Table B-12. Percent and number swordfish caught by size category for all areas, by season, 1976 (*, **; See Table B-6).

MONTH	TRIP NO.	TOTAL NO. HOOKS	NO. SETS	NO. FISH	TOTAL WT*		MEAN WT	PERCENT AND NUMBER IN EACH SIZE CATEGORY** %LG (NO.)		%MED (NO.)		%SM (NO.)		%V.SM (NO.)	
Jan	34	4778	6	25	1898	(25)	75.9	24.0	(6)	48.0	(12)	20.0	(5)	8.0	(2)
Jan-Feb	35	6788	11	36	1462	(34)	43.0	2.9	(1)	26.5	(9)	44.1	(15)	26.5	(9)
Feb	36	3156	4	17	1201	(17)	70.6	11.8	(2)	52.9	(9)	29.4	(5)	5.9	(1)
Mar	37	5364	8	33	2469	(30)	82.3	26.7	(8)	56.7	(17)	13.3	(4)	3.3	(1)
Mar-Apr	38	6684	10	77	4213	(73)	57.7	11.0	(8)	42.5	(31)	27.4	(20)	19.2	(14)
Apr	39	3648	6	59	3906	(55)	71.0	14.6	(8)	50.9	(28)	27.3	(15)	7.3	(4)
May	40	7708	9	86	4238	(71)	59.7	12.7	(9)	42.3	(30)	35.2	(25)	9.9	(7)
June	41	1608	4	16	1420	(16)	88.8	25.0	(4)	31.3	(5)	43.8	(7)	0	
Jun-Jul	43	2796	6	10	733	(7)	104.7	57.1	(4)	28.6	(2)	14.3	(1)	0	
July	44	5328	7	35	2466	(29)	85.0	31.0	(9)	44.8	(13)	24.1	(7)	0	
Aug	45	3960	5	32	2349	(26)	90.3	26.9	(7)	34.6	(9)	30.8	(8)	7.7	(2)
Aug-Sep	46	5496	8	82	6079	(81)	75.0	25.9	(21)	39.5	(32)	30.9	(25)	3.7	(3)
Sept	47	2952	4	94	7022	(88)	79.8	29.6	(26)	33.0	(29)	28.4	(25)	9.1	(8)
Sep-Oct	48	3708	6	49	2544	(44)	57.8	9.1	(4)	43.2	(19)	43.2	(19)	4.6	(2)
Oct	49	3888	5	74	3193	(57)	56.0	10.5	(6)	28.1	(11)	52.6	(30)	8.8	(5)
Nov	50	3894	6	106	6350	(101)	62.9	15.8	(16)	23.8	(24)	44.6	(45)	15.8	(16)
Dec	51	2820	5	9	-	-	-	-	-	-					
TOTAL		74,576	110	840	51,543	(754)	-	-	-	-	-				
MEAN		4,387	6.5	49.4	3,221.4		68.4	18.4	(139)	37.8	(285)	34.0	(256)	9.8	(74)

Table B-13. Percent and number swordfish caught by size category for all areas, by season, 1977 (*, **; See Table B-6).

MONTH	TRIP NO.	TOTAL NO. HOOKS	NO. SETS	NO. FISH	TOTAL WT*		MEAN WT	PERCENT AND NUMBER IN EACH SIZE CATEGORY** %LG (NO.)		%MED (NO.)		%SM (NO.)		%V.SM (NO.)	
Jan-Feb	52	3000	5	34	1751	(32)	54.7	15.6	(5)	18.8	(6)	31.3	(10)	34.4	(11)
Feb-Mar	53	5328	11	23	1423	(21)	67.8	28.6	(6)	28.6	(6)	28.6	(6)	14.3	(3)
Mar	54	4272	8	31	1506	(22)	68.5	18.2	(4)	45.5	(10)	22.7	(5)	13.6	(3)
Apr	55	4323	6	58	3981	(57)	69.8	24.6	(14)	31.6	(18)	31.6	(18)	12.3	(7)
Apr-May	56	5240	9	60	6077	(59)	103.0	45.8	(27)	35.6	(21)	13.6	(8)	5.1	(3)
May	57	4910	8	76	3857	(70)	55.1	14.3	(10)	20.0	(14)	50.0	(35)	15.7	(11)
Jun	58	4160	8	50	3613	(44)	82.1	31.8	(14)	45.5	(20)	20.5	(9)	2.3	(1)
Jun-Jul	59	4810	8	57	5066	(53)	95.4	45.3	(24)	28.3	(15)	24.5	(13)	1.9	(1)
Jul	60	1890	4	16	1793	(12)	149.4	66.7	(8)	33.3	(4)	0		0	
Aug	61	2275	7	50	4127	(49)	84.2	22.5	(11)	46.9	(23)	26.5	(13)	4.1	(2)
Aug-Sep	62	3540	10	133	8813	(124)	71.1	14.5	(18)	63.7	(79)	19.4	(24)	2.4	(3)
Sep	63	1698	6	28	1809	(26)	69.6	15.4	(4)	50.0	(13)	26.9	(7)	7.7	(2)
Oct	64	1656	4	90	6318	(90)	70.2	21.1	(19)	40.0	(36)	27.8	(25)	11.1	(10)
Nov	65	762	2	48	4024	(48)	83.8	20.8	(10)	25.0	(12)	45.8	(22)	8.3	(4)
Nov	66	1860	4	127	7143	(124)	57.6	9.7	(12)	36.3	(45)	45.2	(56)	8.9	(11)
Nov	67	1566	4	63	4522	(62)	72.9	25.8	(16)	32.3	(20)	32.3	(20)	9.7	(6)
Dec	68	2166	5	21	1422	(21)	67.7	28.6	(6)	23.8	(5)	38.1	(8)	9.5	(2)
TOTAL		53,456	109	965	67,234	(914)									
MEAN		3,144	6.4	56.8	3,954.9		73.6	22.8	(208)	38.0	(347)	30.5	(279)	8.8	(80)

Table B-14. Percent and number swordfish caught by size category for all areas, by season, 1978 (*, **' See Table B-6).

MONTH	TRIP NO.	TOTAL NO. HOOKS	NO. SETS	NO. FISH	TOTAL WT*		MEAN WT	PERCENT AND NUMBER IN EACH SIZE CATEGORY** %LG (NO.)		%MED (NO.)		%SM (NO.)		%V.SM (NO.)	
Jan-Feb	69	2968	7	22	1506	(22)	82.0	36.4	(8)	27.3	(6)	18.2	(4)	18.2	(4)
Feb-Mar	70	2352	6	20	2405	(20)	120.3	50.0	(10)	30.0	(6)	20.4	(4)	0	
Mar	71	3043	7	28	2033	(27)	75.3	25.9	(7)	37.0	(10)	25.9	(7)	11.1	(3)
Apr	72	3125	9	25	-	-	-								
Apr-May	73	2595	9	8	698	(8)	87.3	25.0	(2)	37.5	(3)	37.5	(3)	0	
May	74	2594	7	54	4297	(52)	82.6	25.0	(13)	46.2	(24)	28.9	(15)	0	
June	75	3596	9	24	2618	(26)	100.7	30.8	(8)	42.3	(11)	26.9	(7)	0	
Jun-Jul	76	1488	6	24	2377	(25)	95.1	20.0	(5)	68.0	(17)	8.0	(2)	4.0	(1)
Jul	77	2978	6	60	5999	(60)	100.0	43.3	(26)	50.0	(30)	6.7	(4)	0	
Aug	78	2416	4	85	6925	(82)	84.5	23.2	(19)	65.9	(54)	7.3	(6)	3.7	(3)
Aug	79	1928	6	45	3799	(36)	105.5	55.6	(20)	36.1	(13)	5.6	(2)	2.8	(1)
Aug-Sep	80	3057	8	55	5119	(51)	100.4	43.1	(22)	29.4	(15)	19.6	(10)	7.8	(4)
Sep	81	1232	3	92	9513	(87)	109.3	47.1	(41)	41.4	(36)	10.3	(9)	1.2	(1)
Oct	82	1939	5	147	11426	(147)	77.7	27.2	(40)	41.5	(61)	19.1	(28)	12.2	(18)
Oct	83	1355	4	39	3559	(37)	96.2	40.5	(15)	32.4	(12)	13.5	(5)	13.5	(5)
Nov	84	2607	6	49	3341	(45)	74.2	22.2	(10)	37.8	(17)	26.7	(12)	13.3	(6)
TOTAL		39,263	102	777	65,615	(725)	-								
MEAN		2,454	6.4	48.6	4,374.3		90.5	33.9	(246)	43.4	(315)	16.3	(118)	6.3	(46)