

NOAA Technical Memorandum

NMFS-SEFC-139



CATCH AND EFFORT DATA FROM A SAMPLE
SURVEY OF CHARTERBOAT CAPTAINS IN
THE SOUTHEASTERN UNITED STATES, 1983

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May 1984

U.S. DEPARTMENT OF COMMERCE
National Oceanic and Atmospheric Administration
National Marine Fisheries Service
Southeast Fisheries Center
Panama City Laboratory
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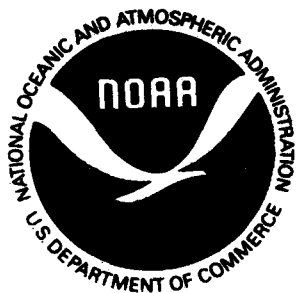
LEE TRENT

ERRATA

1. Logged catch and effort from South Carolina for April 21, 1983, and for zone 2 on May 28, 1984, should be deleted from Appendix Table 3 and added to Appendix Table 4.
2. On page 2, "July 25" should be "May 12".

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Malcolm Baldrige, Secretary
National Oceanic and Atmospheric Administration
John V. Byrne, Administrator
National Marine Fisheries Service
William G. Gordon, Assistant Administrator for Fisheries

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INTRODUCTION

A sample survey of recreational-fishing catch and effort of charterboats in the southeastern United States was conducted by personnel of the National Marine Fisheries Service (NMFS), Southeast Fisheries Center, Panama City Laboratory, during 1983. The 1983 survey followed a pilot study in 1982 in which nine captains, who conducted chartered fishing trips off the southeastern United States coast, were contracted to provide daily records of their catch and effort (Williams, Brusher, and Trent. 1984. NOAA Tech. Mem. NMFS-SEFC-129). Since the pilot study was successful, coverage was expanded in 1983. The purpose of this report is to make the detailed 1983 data available. These data are also available in computer-compatible form through the SEFC Panama City Laboratory.

METHODS

One hundred charterboat captains from sixteen areas (Figure 1) were the initial survey contractors. Respondents were randomly selected from captains who indicated a willingness to enter into contracts in response to an inquiry letter sent in December, 1982. The number of captains selected per area was approximately ten percent of the total number of charterboats fishing there, according to an inventory of charterboat captains provided by the NMFS Southeast Regional Office. Response was monitored and captains who failed to fulfill contract requirements or who withdrew from the survey were replaced when necessary.

Books containing weekly log sheets (Figure 2) were provided to the captains, who completed the forms using the following definitions:

1. Fishing Zone -- Three distinct fishing zones were defined: estuarine or bay waters (zone 1), offshore waters less than ten fathoms deep (zone 2), and offshore waters over ten fathoms deep (zone 3). When more than one zone was fished, all pertinent numbers were recorded. These values were recorded in the row titled "Area Location Numbers" (Figure 2).
2. Fishing Method -- "Troll" was defined as fishing activity undertaken with the boat moving under power. "Bottom" included all other fishing, including "conventional" bottom-fishing, drift-fishing, and flylining.
3. Hours Actually Fished -- Only actual fishing times, rounded to the nearest half-hour, were reported. Running times when hooks were not in the water were specifically excluded.
4. Species and Number Caught -- The catches of all species were reported. Any species not included in the printed list of twenty-four were identified in lines 25 through 30 and the number of fish that were caught was noted in the appropriate column.

Each week, the self-addressed, government-franked log sheets were mailed to the Panama City Laboratory, where the data were transcribed into a computerized system that monitored reporting activity, archived the data, and provided analyses.

RESULTS AND INTERPRETATION

Appendix Tables 1 through 31 are the data listings by area and fishing method. Since the catches logged under the "bottom" method included all techniques other than trolling (see page 1, item 2), the tables containing those data are captioned "non-trolling." The elements within the Appendix Tables are defined as:

1. Date -- the actual date fishing activity occurred.
2. Zone -- fishing in multiple zones is reported as:
 - zone 4 (i.e., fished in zones 1 and 2);
 - zone 5 (i.e., fished in zones 1 and 3);
 - zone 6 (i.e., fished in zones 2 and 3);
 - zone 7 (i.e., fished in zones 1, 2, and 3).
3. Hours fished -- the total number of hours fished by a single boat on all of its trips on one day using a particular method.
4. Catch per species -- each catch is reported in a "species-code:number-caught" format; that is, of each pair of numbers, the species code (Table 1) is on the left and the number of fish that were caught is on the right following the colon. One or two spaces may be present between the colon and the number caught. For example, the second entry in Appendix Table 1 (5: 69) shows that sixty-nine bluefish were caught.
5. Continuation lines -- when more than one line is required to display a day's catch data, the catches are continued on the next line but the date, zone, and hours-fished are not repeated (see Appendix Table 1, May 2). However, when a continuation must extend from the bottom of one column to the top of the next column or page, the trip information is repeated in the new column and a "+" is inserted after the hours-fished (see Appendix Table 1, July 25).

Table 1. Common names, scientific names, and numeric codes of reported species.

<u>COMMON NAME</u>	<u>SCIENTIFIC NAME</u>	<u>SPECIES CODE</u>
African pompano	<u>Alectis ciliaris</u>	103
Albacore	<u>Thunnus alalunga</u>	32
Almaco jack	<u>Seriola rivoliana</u>	41
Angelfishes	<u>Pomacanthidae</u>	107
Atlantic bonito	<u>Sarda sarda</u>	8
Atlantic croaker	<u>Micropogonias undulatus</u>	27
Atlantic cutlassfish	<u>Trichiurus lepturus</u>	121
Atlantic guitarfish	<u>Rhinobatos lentiginosus</u>	109
Atlantic mackerel	<u>Scomber scombrus</u>	102
Atlantic moonfish	<u>Selene setapinnis</u>	119
Atlantic sharpnose shark	<u>Rhizoprionodon terraenovae</u>	56
Atlantic spadefish	<u>Chaetodipterus faber</u>	63
Bar jack	<u>Caranx ruber</u>	67
Bigeye scad	<u>Selar crumenophthalmus</u>	126
Bigeye tuna	<u>Thunnus obesus</u>	105
Black drum	<u>Pogonias cromis</u>	43
Black grouper	<u>Mycteroperca bonaci</u>	19
Black sea bass	<u>Centropristis striata</u>	15
Blackfin tuna	<u>Thunnus atlanticus</u>	23
Blacktip shark	<u>Carcharhinus limbatus</u>	29
Blue marlin	<u>Makaira nigricans</u>	38
Blue runner	<u>Caranx crysos</u>	7
Bluefin tuna	<u>Thunnus thynnus</u>	65
Bluefish	<u>Pomatomus saltatrix</u>	5
Bonefish	<u>Albula vulpes</u>	101
Bonnethead	<u>Sphyrna tiburo</u>	113
Bull shark	<u>Carcharhinus leucas</u>	87
Cero	<u>Scomberomorus regalis</u>	25
Cobia	<u>Rachycentron canadum</u>	2
Codfishes	<u>Gadidae</u>	114
Cownose ray	<u>Rhinoptera bonasus</u>	110
Crevalle jack	<u>Caranx hippos</u>	12
Cusk-eels	<u>Ophidiidae</u>	47
Dolphin	<u>Coryphaena hippurus</u>	24
Dusky shark	<u>Carcharhinus obscurus</u>	75
Finetooth shark	<u>Carcharhinus isodon</u>	104
Florida pompano	<u>Trachinotus carolinus</u>	84
Flounder	<u>Paralichthys sp.</u>	70
Flyingfishes	<u>Exocoetidae</u>	111
Gafftopsail catfish	<u>Bagre marinus</u>	73
Gag	<u>Mycteroperca microlepis</u>	17
Gray snapper	<u>Lutjanus griseus</u>	54
Gray triggerfish	<u>Balistes capriscus</u>	20
Great barracuda	<u>Sphyrna barracuda</u>	11
Greater amberjack	<u>Seriola dumerili</u>	13
Grunts	<u>Haemulidae</u>	76
Hammerhead shark	<u>Sphyrna sp.</u>	35

Table 1 (continued). Common names, scientific names, and numeric codes of reported species.

<u>COMMON NAME</u>	<u>SCIENTIFIC NAME</u>	<u>SPECIES CODE</u>
Hardhead catfish	<u>Arius felis</u>	90
Horse-eye jack	<u>Caranx latus</u>	74
Houndfish	<u>Tylosurus crocodilus</u>	40
Jewfish	<u>Epinephelus itajara</u>	64
King mackerel	<u>Scomberomorus cavalla</u>	1
Kingfish	<u>Menticirrhus</u> sp.	45
Ladyfish	<u>Elops saurus</u>	9
Lane snapper	<u>Lutjanus synagris</u>	42
Leatherjacket	<u>Oligoplites saurus</u>	123
Leatherjackets	Balistidae	99
Lemon shark	<u>Negaprion brevirostris</u>	95
Lesser amberjack	<u>Seriola fasciata</u>	72
Little tunny	<u>Euthynnus alletteratus</u>	6
Lizardfishes	Synodontidae	86
Lookdown	<u>Selene vomer</u>	71
Mako	<u>Isurus</u> sp.	33
Menhaden	<u>Brevoortia</u> sp.	100
Morays	Muraenidae	51
Mutton snapper	<u>Lutjanus analis</u>	60
Nurse shark	<u>Ginglymostoma cirratum</u>	97
Palometa	<u>Trachinotus goodei</u>	108
Permit	<u>Trachinotus falcatus</u>	88
Pinfish	<u>Lagodon rhomboides</u>	30
Porgies	Sparidae	50
Puffers	Tetraodontidae	77
Rainbow runner	<u>Elagatis bipinnulata</u>	57
Red drum	<u>Sciaenops ocellatus</u>	4
Red grouper	<u>Epinephelus morio</u>	18
Red snapper	<u>Lutjanus campechanus</u>	14
Remoras	Echeneidae	78
Sailfish	<u>Istiophorus platypterus</u>	39
Sand lance	<u>Ammodytes</u> sp.	128
Sand perch	<u>Diplectrum</u> sp.	85
Sand seatrout	<u>Cynoscion arenarius</u>	28
Sand tiger	<u>Odontaspis taurus</u>	89
Sandbar shark	<u>Carcharhinus plumbeus</u>	112
Scamp	<u>Mycteroperca phenax</u>	16
Sea basses	Serranidae	81
Searobins	Triglidae	46
Seatrout	<u>Cynoscion</u> sp.	58
Sennet	<u>Sphyraena</u> sp.	122
Sharks	Squaliformes	36
Sheepshead	<u>Archosargus probatocephalus</u>	34
Shrimp eel	<u>Ophichthus gomesi</u>	127
Silky shark	<u>Carcharhinus falciformis</u>	59
Silver perch	<u>Bairdiella chrysoura</u>	94
Skates	Rajidae	98

Table 1 (continued). Common names, scientific names, and numeric codes of reported species.

<u>COMMON NAME</u>	<u>SCIENTIFIC NAME</u>	<u>SPECIES CODE</u>
Skipjack tuna	<u>Euthynnus pelamis</u>	68
Snappers	Lutjanidae	82
Snook	<u>Centropomus sp.</u>	92
Snowy grouper	<u>Epinephelus niveatus</u>	79
Soapfish	<u>Rypticus sp.</u>	53
Spanish mackerel	<u>Scomberomorus maculatus</u>	3
Spinner shark	<u>Carcharhinus brevipinna</u>	52
Spot	<u>Leiostomus xanthurus</u>	116
Spotted seatrout	<u>Cynoscion nebulosus</u>	31
Stingrays	Dasyatidae	93
Swordfish	<u>Xiphias gladius</u>	117
Tarpon	<u>Megalops atlanticus</u>	10
Tiger shark	<u>Galeocerdo cuvieri</u>	91
Tilefishes	Malacanthidae	80
Toadfish	<u>Opsanus sp.</u>	48
Tripletail	<u>Lobotes surinamensis</u>	61
Vermilion snapper	<u>Rhomboplites aurorubens</u>	62
Wahoo	<u>Acanthocybium solanderi</u>	22
Warsaw grouper	<u>Epinephelus nigritus</u>	37
White marlin	<u>Tetrapturus albidus</u>	55
Wrasses	Labridae	96
Yellow jack	<u>Caranx bartholomaei</u>	120
Yellowfin grouper	<u>Mycteroperca venenosa</u>	49
Yellowfin tuna	<u>Thunnus albacares</u>	21
Yellowtail snapper	<u>Ocyurus chrysurus</u>	26

Figure 1. Charterboat sampling areas and number of contractors per area, 1983.

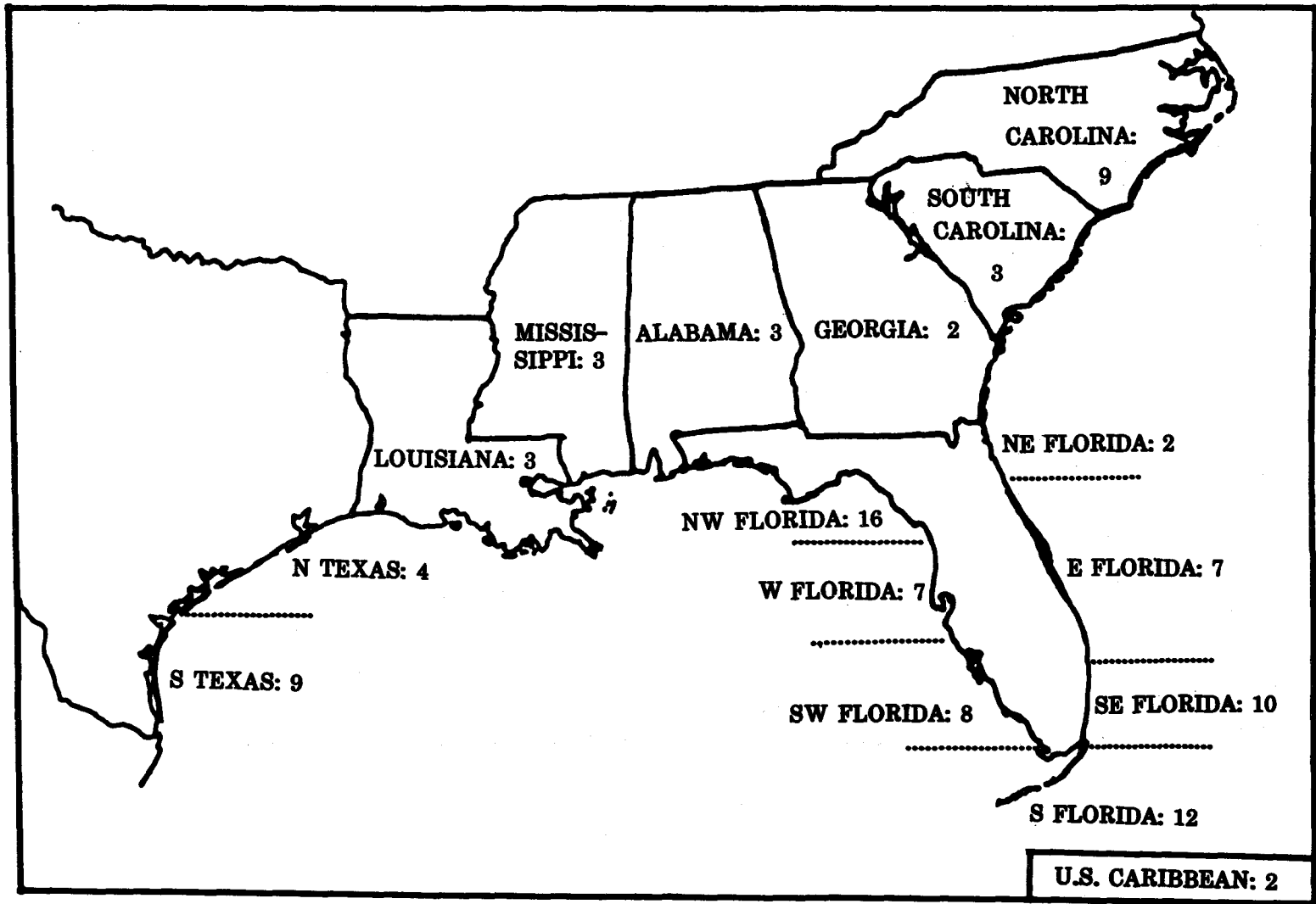


Figure 2. Log used in the 1983 charterboat survey.

1983 CHARTER BOAT SURVEY														O.M.B. 06480013 EXPIRES 9-30-85		
Please fill in the requested information for each day of week _____														Charter Boat Name _____		
Day	Sunday		Monday		Tuesday		Wednesday		Thursday		Friday		Saturday		Comments	
Area Location Number(s)																
Fishing Method	Troll	Bottom	Troll	Bottom	Troll	Bottom	Troll	Bottom	Troll	Bottom	Troll	Bottom	Troll	Bottom		
Hours Actually Fished																
SPECIES														NUMBER CAUGHT		
1. King mackerel																
2. Cobia (ling)																
3. Spanish mackerel																
4. Redfish																
5. Bluefish																
6. Little tunny (bonito)																
7. Blue runner (hardtail)																
8. Atlantic bonito																
9. Ladyfish (skipjack)																
10. Tarpon																
11. Great barracuda																
12. Crevalle jack																
13. Greater amberjack																
14. Red snapper																
15. Black sea bass																
16. Scamp																
17. Gag grouper (black)																
18. Red grouper																
19. Black grouper																
20. Gray triggerfish																
21. Yellowfin tuna																
22. Wahoo																
23. Blackfin tuna																
24. Dolphin																
25.																
26.																
27.																
28.																
29.																
30.																

APPENDIX TABLE 1. LOGGED 1983 TROLLING CATCH AND EFFORT FROM NORTH CAROLINA

DATE	ZONE	HOURS FISHED	--- CATCH PER SPECIES ---			DATE	ZONE	HOURS FISHED	--- CATCH PER SPECIES ---				
4 APR	2	4.0				12 MAY	3	8.0+	24:	3			
8 APR	2	3.0	5:	69		12 MAY	6	3.5	5:	63			
9 APR	2	9.0	5:	62		12 MAY	2	3.0	5:	39			
15 APR	2	3.5	5:	29		13 MAY	2	3.0	5:	55			
16 APR	2	5.0	5:	17		13 MAY	6	5.0	5:	84			
17 APR	6	4.0	5:	36		13 MAY	3	7.0	1:	11 2:	1 5:	3	
18 APR	3	2.0	6:	6					6:	3 24:	16		
21 APR	2	3.5	5:	40		13 MAY	3	6.0	21:	4 24:	46 68:	2	
22 APR	2	3.5	5:	54		14 MAY	3	6.0	21:	12 22:	2 24:	6	
22 APR	2	4.0	5:	49		14 MAY	3	4.0	1:	2 5:	10 6:	6	
23 APR	2	4.5	5:	40		14 MAY	3	8.5	1:	74			
23 APR	2	2.0	5:	67		14 MAY	3	5.0	1:	70 12:	1 32:	15	
23 APR	2	6.5	5:	126		14 MAY	3	8.5	1:	3 5:	11 21:	21	
23 APR	2	7.0	5:	94					22:	1 23:	2 24:	3	
25 APR	2	1.0	5:	43		14 MAY	6	6.0	21:	27 24:	1 33:	1	
28 APR	3	3.5	5:	60		14 MAY	2	3.5	5:	110			
28 APR	2	0.5	5:	9		14 MAY	3	6.0	21:	22			
29 APR	3	3.5	5:	51		15 MAY	3	7.5	1:	3 5:	11 21:	3	
29 APR	2	6.0	5:	51	6:	2			24:	4			
29 APR	2	3.0	5:	37		15 MAY	3	5.0	1:	26 6:	8		
30 APR	3	3.0	5:	57		17 MAY	4	4.0	1:	9			
30 APR	3	1.0	6:	8		18 MAY	3	6.0	24:	7			
30 APR	6	4.0	1:	3 5:	37 6:	3	18 MAY	3	6.0	21:	10 23:	2	
30 APR	3	7.0	5:	102		19 MAY	2	3.0	5:	26			
30 APR	2	4.0	5:	47		20 MAY	3	4.0	5:	82			
1 MAY	3	4.0	1:	7 21:	3 24:	4	20 MAY	4	6.0	1:	22		
2 MAY	2	3.0	5:	45		20 MAY	3	7.0	1:	17 2:	1 4:	7	
2 MAY	3	7.0	1:	7 4:	1 5:	29			5:	29			
			6:	3		20 MAY	2	5.0	1:	3 6:	5 102:	13	
3 MAY	3	5.5	5:	31 21:	2 24:	15	21 MAY	4	6.0	1:	34		
4 MAY	2	3.0	5:	36		21 MAY	3	6.0	1:	2 5:	61 6:	3	
6 MAY	3	5.5	1:	28 5:	5 8:	1	21 MAY	3	6.0	21:	13 23:	2	
			22:	2		21 MAY	3	6.0	21:	25 22:	1 24:	7	
6 MAY	3	6.0	21:	7 24:	10 33:	1	21 MAY	2	6.0	5:	75		
7 MAY	3	6.0	1:	15 5:	33 8:	1	21 MAY	3	6.0	6:	2		
7 MAY	6	4.0	2:	3 8:	5		21 MAY	3	6.0	21:	8 22:	2 24:	21
7 MAY	3	7.5	1:	1 5:	66 6:	4	22 MAY	3	7.0	6:	1 21:	12 24:	31
7 MAY	2	6.0	5:	75		22 MAY	3	5.0	6:	2			
7 MAY	2	3.0	5:	42		22 MAY	3	6.0	5:	2 8:	2 21:	20	
7 MAY	6	3.5	5:	44					24:	8			
8 MAY	3	7.0	1:	23		22 MAY	3	4.5	1:	36			
8 MAY	3	4.0	1:	7 5:	31 6:	6	22 MAY	2	4.0	1:	3 6:	22	
10 MAY	3	4.0	1:	3 5:	12 6:	15	24 MAY	3	6.0	21:	28 24:	4	
11 MAY	3	7.5	1:	42 2:	1 5:	7	25 MAY	3	6.0	21:	26 22:	1 24:	7
			6:	11		25 MAY	3	6.5	1:	13 5:	11 6:	6	
12 MAY	3	8.0	1:	41					8:	3			
12 MAY	3	8.0	1:	54 5:	14 6:	4	25 MAY	3	6.0	21:	6		

APPENDIX TABLE 1 (CONTINUED).

DATE	ZONE	HOURS FISHED	-- CATCH PER SPECIES --					DATE	ZONE	HOURS FISHED	-- CATCH PER SPECIES --				
26 MAY	3	5.0	21:	2	24:	2	2 JUN	3	7.0	21:	11	22:	2	23:	1
26 MAY	3	7.0	1:	3	2:	1	5:	21		24:	17	39:	1		
			6:	9	8:	1	15:	9	3 JUN	3	7.0	21:	13	23:	4
			23:	4					3 JUN	3	6.0	21:	8	24:	41
26 MAY	3	6.0	1:	12	5:	23	3 JUN	3	6.0	21:	17	24:	38		
26 MAY	3	6.0	21:	9	24:	6	3 JUN	3	6.0	6:	3	23:	1	24:	38
26 MAY	2	4.0	5:	3			3 JUN	3	6.0	21:	9	22:	1	24:	32
27 MAY	3	6.0	21:	24	24:	2				33:	1				
27 MAY	3	6.0	6:	3	21:	16	23:	2	4 JUN	3	6.0	6:	4	21:	18
			24:	12							24:	3		22:	1
27 MAY	3	5.0	21:	34					5 JUN	3	6.0	6:	3	21:	15
27 MAY	3	5.0	1:	6	21:	3	22:	1			24:	3			
27 MAY	3	7.0	1:	1	21:	6	22:	2	5 JUN	3	7.5	21:	7	22:	1
			23:	1	24:	23			5 JUN	1	6.0	1:	14	3:	8
27 MAY	3	6.0	21:	12	22:	1	24:	1	6 JUN	3	7.0	21:	9	22:	1
28 MAY	3	6.0	6:	1	21:	21	22:	2			23:	1			
			24:	10					6 JUN	3	6.0	24:	16		
28 MAY	3	8.0	21:	5	22:	1	24:	2			1:	1	5:	3	21:
28 MAY	3	6.0	6:	1	24:	3			6 JUN	3	7.0	22:	1	55:	1
28 MAY	3	7.5	5:	9	21:	7	22:	1	6 JUN	3	6.0	21:	17	24:	3
			23:	3	24:	31			6 JUN	3	6.0	21:	10		
28 MAY	3	5.5	21:	27	68:	2			6 JUN	3	6.0	24:	2		
28 MAY	3	6.0	6:	2	21:	14	24:	2	7 JUN	3	6.0	21:	3		
28 MAY	3	6.0	21:	20	24:	2			7 JUN	3	6.0	6:	1	21:	12
29 MAY	3	6.0	21:	15	24:	27			7 JUN	3	7.0	68:	1	23:	2
29 MAY	3	7.0	6:	2	21:	6	23:	1	7 JUN	3	6.0	21:	28	24:	2
			24:	31	55:	1			7 JUN	3	6.0	21:	22		
29 MAY	3	6.0	24:	3					7 JUN	3	6.0	21:	22	24:	6
29 MAY	3	8.0	21:	2	22:	1	24:	2	7 JUN	1	5.5	1:	20	3:	2
			55:	1					7 JUN	3	7.5	1:	2	21:	14
											24:	26		22:	2
29 MAY	3	6.0	21:	10	22:	1	23:	1	8 JUN	3	2.0	21:	7	24:	1
29 MAY	3	6.0	1:	12	5:	8	6:	1	8 JUN	3	7.0	21:	25	24:	1
30 MAY	3	6.0	24:	1	105:	2			10 JUN	1	8.0	1:	37	3:	21
30 MAY	3	6.0	21:	1	22:	1			10 JUN	3	6.0	21:	1	22:	1
30 MAY	3	7.0	2:	1	21:	3	24:	26	11 JUN	1	6.0	21:	1	24:	1
30 MAY	3	6.0	21:	7	24:	12			11 JUN	3	7.0	1:	33	3:	36
30 MAY	3	5.5	21:	1	22:	2	24:	75	11 JUN	3	6.0	21:	3	24:	31
31 MAY	3	7.0	21:	7	22:	1	23:	3	11 JUN	3	6.0	2:	1	8:	1
			24:	17	55:	1			11 JUN	3	6.0	21:	1	24:	20
1 JUN	3	6.5	1:	17	2:	1	5:	23	12 JUN	3	5.0	6:	1	21:	16
			6:	7							24:	15		23:	1
1 JUN	3	6.0	21:	21	24:	21	68:	4	12 JUN	1	6.0	1:	8	3:	21
1 JUN	3	6.0	21:	17	24:	7			12 JUN	3	6.0	5:	11		
1 JUN	3	6.0	21:	9	22:	1	24:	12			6:	3			
			55:	1					12 JUN	3	7.0	2:	1	6:	2
2 JUN	3	6.0	21:	27							15:	9			
2 JUN	3	3.5	21:	31	24:	1					21:	8	22:	1	24:
									12 JUN	3	6.5	39:	1		
											21:	38			

APPENDIX TABLE 1 (CONTINUED).

DATE	ZONE	HOURS FISHED	-- CATCH PER SPECIES --				DATE	ZONE	HOURS FISHED	-- CATCH PER SPECIES --					
13 JUN	3	6.5	38:	2			20 JUN	3	5.0	6:	5	21:	16	24:	3
13 JUN	3	7.5	6:	1	11:	1	21:	9	20 JUN	3	6.0	21:	10	24:	3
			23:	2	24:	36			20 JUN	3	5.5	21:	18	24:	88
13 JUN	3	6.0	6:	2	21:	19	24:	12	20 JUN	3	7.0	2:	1	21:	12
13 JUN	3	6.0	21:	20	24:	10						55:	1		
13 JUN	3	6.0	21:	33					21 JUN	3	7.0	21:	6	22:	1
14 JUN	3	6.0	21:	28	24:	21			21 JUN	1	6.0	1:	8	3:	7
14 JUN	3	6.0	21:	32								13:	1		
14 JUN	3	6.0	6:	2	21:	18	24:	2	21 JUN	3	5.5	21:	3	24:	102
14 JUN	1	7.0	1:	9	3:	17	5:	7	21 JUN	3	6.0	21:	12	24:	30
			6:	2	11:	1			21 JUN	3	6.0	6:	1	21:	10
14 JUN	3	6.0	1:	2	2:	1	6:	3	23 JUN	3	6.0	21:	9	24:	22
			13:	4	15:	11	21:	2	23 JUN	3	5.0	6:	2	21:	14
			22:	1	23:	6	24:	17				24:	2	55:	1
14 JUN	3	6.5	21:	4	22:	2	24:	8	23 JUN	3	6.0	21:	28	24:	47
15 JUN	3	6.5	21:	8	22:	1	24:	18	24 JUN	3	6.0	21:	18	22:	1
15 JUN	3	7.0	13:	3	21:	11	24:	17	24 JUN	3	5.0	6:	1	21:	12
			55:	1					24 JUN	3	6.0	21:	6	22:	4
15 JUN	3	6.0	21:	13	24:	40			24 JUN	3	6.5	21:	17	24:	6
15 JUN	3	6.0	21:	33	24:	20			24 JUN	3	6.0	6:	1	21:	12
16 JUN	3	6.0	6:	3	21:	35	24:	58	25 JUN	3	6.0	21:	6	24:	21
16 JUN	3	5.0	21:	18	24:	52			25 JUN	3	6.0	21:	2	24:	1
16 JUN	3	6.0	6:	3	21:	14	23:	1	25 JUN	3	1.0	13:	2	24:	1
			24:	12					25 JUN	3	7.0	1:	2	21:	11
16 JUN	3	7.0	4:	1	6:	5	11:	1				24:	27		
			21:	6	24:	13			25 JUN	3	5.0	21:	18	22:	1
17 JUN	1	6.0	1:	3					25 JUN	3	4.0	21:	8	22:	1
17 JUN	3	7.5	21:	3	23:	2	24:	63	25 JUN	3	6.0	21:	16	22:	1
17 JUN	3	4.0	1:	5	24:	1						68:	1		
17 JUN	3	6.0	21:	10	24:	24			25 JUN	1	6.0	1:	14	4:	9
17 JUN	3	5.0	6:	1	21:	12	23:	1				24:	3		
			24:	38					26 JUN	1	4.0	1:	18	11:	1
17 JUN	3	6.0	21:	20	24:	88			26 JUN	3	6.0	6:	2	21:	9
17 JUN	3	6.5										24:	40		
18 JUN	3	4.0	21:	10	24:	2			26 JUN	3	6.0	11:	2	22:	2
18 JUN	3	6.0	21:	8					26 JUN	3	7.0	21:	9	23:	1
18 JUN	3	7.0	21:	11	24:	12			26 JUN	3	5.0	22:	1	24:	5
19 JUN	3	1.0	1:	3	5:	2			26 JUN	3	6.0	21:	12	22:	2
19 JUN	1	3.0	1:	4	3:	11			27 JUN	3	6.0	21:	5	22:	1
19 JUN	3	6.5	11:	1	21:	7	22:	2	27 JUN	3	2.0	1:	2	11:	1
			24:	9					27 JUN	3	6.5	11:	1	21:	7
19 JUN	3	6.0	21:	25	22:	1	24:	8				24:	14		
			38:	1					27 JUN	3	6.0	21:	10	22:	1
19 JUN	3	5.0	24:	1					27 JUN	3	6.0	21:	13	24:	75
19 JUN	3	6.0	6:	4	21:	18	24:	2				68:	1		
			38:	1					28 JUN	3	6.0	21:	16	22:	1
20 JUN	3	6.0	2:	1	21:	2	24:	61	28 JUN	3	6.0	21:	9	24:	30

APPENDIX TABLE 1 (CONTINUED).

DATE	ZONE	HOURS FISHED	-- CATCH PER SPECIES --			DATE	ZONE	HOURS FISHED	-- CATCH PER SPECIES --		
28 JUN	3	6.5	1: 7	6: 4	21: 11	7 JUL	3	7.0	21: 7	22: 1	23: 1
			24: 44						24: 6	105: 2	
29 JUN	3	6.0	21: 6	24: 32		8 JUL	3	6.0	6: 3	21: 12	24: 3
29 JUN	3	6.0	6: 3	21: 10	24: 30	8 JUL	3	6.0	21: 11	105: 1	
29 JUN	3	6.0	21: 9	22: 1	24: 84	8 JUL	1	6.0	1: 7	13: 5	32: 9
29 JUN	1	6.0	1: 21	3: 15	11: 4	8 JUL	3	6.5	21: 21	24: 1	
29 JUN	3	6.0	21: 5	24: 51	55: 1	8 JUL	3	6.0	21: 11	105: 2	
30 JUN	3	6.0	21: 20	24: 3	68: 2	9 JUL	3	6.5	21: 11	24: 109	68: 1
30 JUN	3	6.0	21: 8	24: 10		9 JUL	3	6.0	21: 17		
30 JUN	3	6.0	6: 6	21: 8	24: 12	9 JUL	3	6.0	6: 5	21: 19	22: 1
30 JUN	3	7.0	1: 1	6: 2	21: 19				24: 4		
			23: 2	24: 11		9 JUL	3	7.0	21: 11	22: 1	24: 63
1 JUL	3	6.0	21: 10	22: 1	24: 34				55: 1		
1 JUL	3	5.0	6: 1	21: 11	24: 1	9 JUL	3	2.0	1: 1		
1 JUL	3	6.5	21: 11	24: 86		10 JUL	3	6.0	21: 7	22: 1	24: 31
2 JUL	3	6.5	21: 19	22: 1	24: 3				38: 1		
2 JUL	3	5.0	6: 1	21: 15	24: 8	10 JUL	3	6.0	6: 3	21: 8	24: 12
2 JUL	3	6.0	21: 7			10 JUL	3	6.0	6: 1	21: 14	
2 JUL	3	6.0	21: 10	24: 32		11 JUL	3	6.0	6: 4	21: 1	24: 6
3 JUL	3	6.0	21: 8	24: 37	38: 1	11 JUL	3	6.0	21: 8	22: 1	24: 4
3 JUL	3	5.0	22: 1	24: 8		11 JUL	3	6.0	21: 21	22: 1	68: 3
3 JUL	3	5.0	6: 1	21: 19	24: 12	11 JUL	3	7.0	21: 16	24: 6	55: 1
3 JUL	1	6.0	1: 8	3: 22	32: 5	12 JUL	3	7.5	3: 11	5: 23	21: 3
3 JUL	3	7.0	6: 3	11: 1	13: 2				22: 1	24: 29	105: 1
			21: 7	23: 1	24: 26	12 JUL	1	4.0	1: 2		
			39: 1			12 JUL	3	6.5	21: 26	68: 1	
3 JUL	3	2.0	1: 2			12 JUL	3	2.0	24: 25		
4 JUL	3	7.0	21: 11	24: 17		12 JUL	3	6.0	6: 1	21: 4	24: 60
4 JUL	3	2.0	1: 1			12 JUL	3	6.0	21: 18	22: 2	24: 57
4 JUL	1	6.0	1: 12	3: 30	32: 3	13 JUL	3	6.0	21: 11	24: 41	
4 JUL	3	6.5	21: 23	22: 2	24: 85	13 JUL	3	6.0	21: 4	105: 4	
4 JUL	3	5.0	6: 3	21: 16	24: 8	13 JUL	3	5.0	21: 32	22: 1	24: 1
4 JUL	3	6.0	11: 1	21: 10	24: 52	13 JUL	3	6.5	21: 17	105: 3	
4 JUL	3	6.0	21: 14	24: 57		13 JUL	3	7.0	2: 1	11: 1	21: 9
5 JUL	3	6.0	21: 3	24: 76	38: 1				24: 7	55: 1	
			55: 1			14 JUL	3	7.0	11: 1	13: 2	21: 4
5 JUL	3	6.5	21: 10	22: 1	24: 89				23: 1	24: 61	
5 JUL	3	7.0	11: 2	21: 14	24: 38	14 JUL	3	6.5	21: 9	105: 2	
6 JUL	3	6.5	6: 1	21: 4	22: 2	14 JUL	3	6.0	21: 5	22: 2	24: 14
			24: 13			14 JUL	3	5.0	8: 2	21: 15	
6 JUL	3	6.0	21: 22	22: 1	24: 31	14 JUL	3	6.0	6: 1	21: 8	22: 2
6 JUL	3	6.0	21: 13						24: 2		
6 JUL	3	6.0	6: 2	21: 12	24: 1	14 JUL	2	5.0	1: 6	3: 30	
6 JUL	3	6.0	6: 4	21: 8	24: 31	15 JUL	3	6.0	21: 3	105: 1	
			38: 1	105: 2		15 JUL	3	5.0	6: 2	21: 9	22: 1
7 JUL	3	6.0	21: 12			15 JUL	3	6.0	21: 11		
7 JUL	3	6.0	21: 16	22: 1	24: 3	15 JUL	3	6.5	21: 13	68: 4	

APPENDIX TABLE 1 (CONTINUED).

DATE	ZONE	HOURS FISHED	-- CATCH PER SPECIES --				DATE	ZONE	HOURS FISHED	-- CATCH PER SPECIES --			
15 JUL	2	2.0	3:	2	5:	1	25 JUL	3	7.0	21:	11	24:	3
15 JUL	3	7.0	6:	2	21:	8	23:	2	26 JUL	3	7.0	1:	3
			24:	2							13:	2	21:
											22:	1	23:
											24:	2	24:
16 JUL	6	2.0									55:	1	
16 JUL	3	6.5	21:	4	22:	1	23:	2	26 JUL	3	6.0	8:	1
			24:	12	55:	1			26 JUL	3	6.5	21:	6
									26 JUL	3	6.5	24:	12
16 JUL	2	6.0	1:	3	5:	2	24:	4	26 JUL	3	6.5	21:	5
16 JUL	3	6.5	21:	14	24:	2	68:	1	27 JUL	3	6.0	21:	9
16 JUL	3	6.0	21:	4					27 JUL	3	6.0	22:	1
16 JUL	3	5.0	6:	3	21:	7	24:	4	27 JUL	3	6.5	55:	2
16 JUL	3	6.0	21:	10	22:	3	24:	1	27 JUL	3	6.0	21:	5
17 JUL	3	6.0	21:	5	22:	2	24:	6	27 JUL	3	6.0	24:	37
17 JUL	3	5.0	6:	3	21:	7	24:	4	27 JUL	3	6.0	39:	1
17 JUL	3	6.0	21:	10	22:	3	24:	1	27 JUL	3	6.0	8:	1
17 JUL	3	6.0	21:	5	22:	2	24:	6	27 JUL	3	6.0	13:	1
17 JUL	1	6.0	1:	2	24:	4			27 JUL	3	6.0	55:	2
17 JUL	3	7.0	1:	2	2:	1	6:	2	27 JUL	3	6.0	21:	8
			11:	1	13:	4	21:	3	28 JUL	3	6.0	24:	1
			23:	4	24:	24	39:	1	28 JUL	3	6.0	21:	16
									28 JUL	3	6.0	24:	1
18 JUL	3	7.0	6:	2	21:	7	22:	1	28 JUL	3	6.0	8:	1
			23:	1	24:	11	55:	1	28 JUL	2	3.0	1:	3
									29 JUL	3	6.0	3:	28
18 JUL	3	6.5	21:	7	24:	11			29 JUL	3	6.0	7:	8
18 JUL	3	6.0	21:	2					29 JUL	3	3.0	1:	13:
18 JUL	3	6.0	21:	1	24:	20	55:	1	29 JUL	3	7.0	21:	2
19 JUL	3	6.0	21:	2	38:	1			29 JUL	3	7.0	22:	1
19 JUL	3	6.0	6:	3	7:	3	21:	1	29 JUL	3	7.0	24:	12
19 JUL	3	6.5	21:	7	24:	1	39:	2	29 JUL	3	6.0	55:	1
19 JUL	3	6.0	1:	1	6:	6	21:	3	29 JUL	3	6.0	21:	27
			22:	2	24:	29	55:	1	30 JUL	1	6.0	21:	27
20 JUL	3	5.0	11:	1	21:	1	24:	1	30 JUL	1	6.0	1:	7
20 JUL	2	3.0	5:	21					30 JUL	3	6.0	13:	2
21 JUL	3	5.0	21:	3	22:	1	24:	10	30 JUL	3	6.0	24:	2
22 JUL	3	5.0	1:	2	11:	2			30 JUL	3	6.5	21:	29
23 JUL	3	6.0	6:	2	21:	7	24:	57	30 JUL	3	6.0	22:	1
23 JUL	3	6.0	21:	7	22:	1	39:	1	30 JUL	3	6.0	21:	10
23 JUL	1	6.0	1:	4	24:	5			30 JUL	3	6.0	8:	2
23 JUL	3	6.5	21:	9	24:	102	39:	1	30 JUL	3	6.5	6:	3
			68:	1					30 JUL	3	6.5	11:	1
23 JUL	3	7.0	6:	1	21:	7	23:	2	30 JUL	3	6.5	21:	10
			24:	11	38:	1			30 JUL	3	6.5	22:	2
									30 JUL	3	6.0	23:	1
23 JUL	3	6.0	21:	10	24:	69			30 JUL	3	6.0	24:	29
24 JUL	3	6.0	21:	2	22:	1	24:	61	30 JUL	3	6.0	21:	3
24 JUL	3	6.0	6:	1	21:	9	22:	1	31 JUL	3	6.0	24:	91
			24:	11	39:	2			31 JUL	3	4.0	1:	3
24 JUL	1	6.0	1:	5	13:	3			31 JUL	3	4.0	3:	1
25 JUL	3	6.5	21:	2	22:	2	24:	125	31 JUL	3	6.5	21:	9
			55:	1	68:	1			31 JUL	3	6.5	24:	111
									31 JUL	3	6.5	38:	1
25 JUL	3	6.0	21:	11	24:	10			31 JUL	1	6.0	68:	1
25 JUL	3	5.0	21:	1	24:	25			31 JUL	1	6.0	1:	8
									31 JUL	3	6.0	13:	2
									31 JUL	3	7.0	21:	3
									31 JUL	3	7.0	22:	1
									31 JUL	3	7.0	24:	75
									1 AUG	3	7.0	38:	2
									1 AUG	3	7.0	21:	11
									1 AUG	3	7.0	24:	25
									1 AUG	3	6.5	21:	12
									1 AUG	3	6.5	22:	1
									1 AUG	3	6.0	24:	15
									1 AUG	3	6.0	8:	1
									1 AUG	3	6.0	21:	4
									1 AUG	3	7.0	24:	38
									1 AUG	3	7.0	1:	2
									1 AUG	3	7.0	6:	1
									1 AUG	3	7.0	11:	1
									2 AUG	3	7.0	21:	4
									2 AUG	3	7.0	23:	1
									2 AUG	3	7.0	24:	11
									2 AUG	3	7.0	2:	1
									2 AUG	3	7.0	6:	2
									2 AUG	3	7.0	21:	7
									2 AUG	3	7.0	22:	1
									2 AUG	3	7.0	24:	7
									2 AUG	3	7.0	55:	1
									2 AUG	3	6.0	21:	8
									2 AUG	3	6.0	24:	1
									2 AUG	3	6.5	21:	13
									2 AUG	3	6.5	8:	2
									2 AUG	3	7.0	21:	6
									2 AUG	3	7.0	24:	30

APPENDIX TABLE 1 (CONTINUED).

DATE	ZONE	HOURS FISHED	-- CATCH PER SPECIES --					DATE	ZONE	HOURS FISHED	-- CATCH PER SPECIES --						
2 AUG	3	7.0+	38:	1					8 AUG	3	6.5	21:	9	24:	24	68:	2
3 AUG	3	7.0	21:	7	24:	4			8 AUG	3	7.0	21:	14	24:	6		
3 AUG	3	6.5	21:	27					9 AUG	3	7.0	21:	12	22:	1	24:	15
3 AUG	3	6.0	21:	10					9 AUG	1	6.0	1:	7	11:	2	12:	1
3 AUG	2	4.0	5:	8					9 AUG	3	6.5	21:	11	22:	1	24:	22
3 AUG	3	6.5	11:	2	21:	3	22:	2	9 AUG	3	6.0	8:	3	21:	7	22:	1
			23:	3	24:	9	38:	1				24:	6				
			55:	1					9 AUG	3	4.0	1:	6	13:	1		
3 AUG	3	4.0	1:	4	3:	2	8:	1	9 AUG	3	7.0	21:	3	24:	62		
			13:	2					9 AUG	3	6.0	21:	8	22:	2	24:	62
3 AUG	3	6.5	21:	8	55:	1					55:	1					
4 AUG	3	6.0	21:	9					10 AUG	3	6.0	21:	3	24:	13		
4 AUG	3	7.0	21:	9	22:	1	23:	2	10 AUG	3	7.0	1:	1	21:	1	22:	1
			24:	17	38:	1	39:	1			24:	3	39:	1			
4 AUG	3	6.0	21:	6	38:	1	55:	1	10 AUG	3	6.0	21:	3	22:	1		
4 AUG	3	6.0	8:	2	21:	21	22:	1	10 AUG	3	6.0	6:	1	21:	7	24:	18
4 AUG	1	6.0	1:	2	13:	1	24:	3	10 AUG	3	6.5	21:	6	24:	55		
4 AUG	3	7.0	24:	12					10 AUG	3	7.0	21:	7	22:	2		
5 AUG	3	7.0	21:	3	24:	23			11 AUG	3	7.0	21:	4	24:	50		
5 AUG	3	6.5	21:	10	22:	1	38:	1	11 AUG	3	6.5	21:	9	24:	67		
5 AUG	3	5.0	6:	2	21:	7			11 AUG	3	6.0	21:	9	24:	15		
5 AUG	3	6.0	21:	6					11 AUG	3	6.0	8:	2	21:	6	24:	4
5 AUG	3	7.0	21:	6	23:	2	24:	19	11 AUG	3	6.5	21:	3	24:	21	55:	1
			38:	1					13 AUG	3	6.0	8:	1	21:	2	38:	2
5 AUG	3	6.0	21:	13	24:	8					55:	1					
6 AUG	3	6.0	21:	4	22:	1	24:	4	13 AUG	3	6.5	6:	1	21:	6		
6 AUG	3	7.0	21:	4	23:	3	24:	6	13 AUG	3	7.0	8:	6	21:	1	24:	1
			55:	1							55:	2					
6 AUG	3	6.0	8:	1	21:	9			14 AUG	3	7.0	21:	11	22:	2		
6 AUG	3	6.0	6:	2	21:	4	24:	20	14 AUG	1	5.0	1:	3				
6 AUG	3	6.5	21:	14					14 AUG	3	6.0						
6 AUG	3	7.0	21:	12	22:	2	24:	18	15 AUG	3	6.0	11:	1				
			32:	2	105:	1			15 AUG	3	6.0	21:	3	24:	8		
7 AUG	3	7.0	21:	7	38:	1	55:	1	15 AUG	3	6.5	21:	5	24:	1	55:	3
7 AUG	1	3.0	1:	3					15 AUG	3	7.0	5:	7	6:	2	13:	3
7 AUG	3	6.0	21:	9							21:	4	22:	2	24:	11	
7 AUG	3	6.5	6:	1	21:	9	23:	1	15 AUG	3	7.0	8:	3	21:	4	55:	2
			24:	16					15 AUG	3	6.0	22:	1	55:	1		
7 AUG	3	6.0	21:	18	24:	10			16 AUG	3	6.0	55:	2				
8 AUG	3	6.0	21:	7	24:	41	39:	1	16 AUG	3	7.0	21:	3	22:	1	24:	3
8 AUG	3	1.0	1:	2	2:	1	5:	1	16 AUG	3	7.0	21:	7	22:	1	23:	2
			22:	1	39:	1					24:	4	39:	1	55:	1	
8 AUG	3	7.0	1:	2	11:	1	21:	11	16 AUG	3	6.5	55:	3				
			22:	1	24:	9			16 AUG	3	6.0	24:	8	55:	1		
8 AUG	2	2.0	1:	1					16 AUG	3	6.0	55:	1				
8 AUG	3	6.0	8:	3	21:	12	24:	10	17 AUG	3	6.0	55:	6				
8 AUG	3	6.0	21:	10	55:	1			17 AUG	3	6.0	22:	1	24:	12	55:	2

APPENDIX TABLE 1 (CONTINUED).

DATE	ZONE	HOURS FISHED	— CATCH PER SPECIES —					DATE	ZONE	HOURS FISHED	— CATCH PER SPECIES —						
17 AUG	3	4.0	1:	3	6:	1	13:	1	26 AUG	3	6.0	24:	2				
17 AUG	3	7.0	1:	1	6:	3	11:	1	26 AUG	3	6.0	22:	2	24:	1	55:	5
			21:	9	24:	17			26 AUG	3	7.0	21:	2	22:	1	24:	9
17 AUG	3	7.0	8:	2	22:	1	24:	15				55:	2				
			55:	1					27 AUG	3	6.0	55:	1				
17 AUG	3	6.0	24:	48					27 AUG	3	2.0	1:	1	3:	1		
18 AUG	3	6.0	21:	8					27 AUG	3	7.5	21:	2	24:	3	55:	1
18 AUG	3	7.0	21:	9	24:	30	39:	1	27 AUG	3	6.0	6:	1	21:	1	22:	1
18 AUG	2	2.0	1:	2	6:	1	13:	1				24:	3	55:	2		
18 AUG	3	7.0	11:	1	21:	9	22:	2	27 AUG	3	6.0	22:	1				
			23:	1	24:	26	38:	1	27 AUG	3	6.5	21:	2	24:	1		
			55:	1					27 AUG	1	3.0	1:	1	68:	7		
18 AUG	3	6.0	24:	3					27 AUG	3	6.0	55:	2				
18 AUG	3	6.0	21:	1	24:	12			28 AUG	3	6.0	6:	1	21:	6	22:	1
18 AUG	3	6.5	24:	32	55:	1						24:	35				
19 AUG	3	6.5	21:	4	22:	1	24:	37	28 AUG	3	6.5	6:	2	11:	2	21:	4
19 AUG	3	5.0	21:	5	22:	1	39:	1				22:	3	23:	3	24:	5
19 AUG	3	6.0	21:	8	22:	1						39:	1				
19 AUG	3	7.0	6:	4	21:	6	22:	1	28 AUG	3	8.0	21:	5	39:	1		
			24:	3	39:	1			29 AUG	3	7.0	21:	2	32:	1	55:	3
19 AUG	3	7.0	21:	6	24:	12			29 AUG	3	7.0	6:	1	21:	2	23:	2
19 AUG	3	6.0	6:	1	21:	3						24:	11				
20 AUG	3	7.0	21:	8	38:	2			29 AUG	3	6.0	55:	2				
20 AUG	3	3.0	6:	1	13:	1			29 AUG	3	6.0	6:	2	21:	7	22:	2
21 AUG	3	6.5	1:	2	6:	1	21:	3				24:	33				
			22:	1	23:	3	24:	7	29 AUG	3	6.5	55:	1				
			39:	1					29 AUG	3	6.0	6:	2	22:	4	24:	10
21 AUG	3	5.0	21:	1	22:	1						55:	2				
21 AUG	1	3.0	1:	2	32:	8			30 AUG	3	6.0	55:	1				
21 AUG	3	6.0	22:	2					30 AUG	3	6.5	38:	1	55:	1		
22 AUG	3	6.0	21:	2					30 AUG	3	6.0	21:	2	22:	1	55:	1
22 AUG	3	6.5	21:	7	22:	1	24:	2	30 AUG	3	6.0	55:	1				
22 AUG	3	6.0	21:	6					30 AUG	3	7.0	21:	3	22:	1	23:	1
22 AUG	3	6.0	6:	1	21:	15	22:	1				24:	3				
			55:	1					30 AUG	3	7.0	24:	1	55:	2		
22 AUG	3	7.0	2:	1	11:	1	21:	6	31 AUG	3	8.0	11:	1	21:	14	22:	1
			22:	4	23:	1	24:	38				24:	6				
			38:	1					31 AUG	3	7.0	21:	5	23:	4	24:	23
23 AUG	3	6.0	1:	1	3:	6	6:	8				38:	1				
			11:	3					31 AUG	3	6.0	21:	8	22:	1	24:	12
23 AUG	3	6.0	6:	1	21:	5	22:	1	31 AUG	3	6.0	21:	2	24:	4	55:	2
			24:	8					31 AUG	3	6.5	21:	7	22:	1	24:	12
23 AUG	3	6.0	21:	3	24:	1	38:	1	31 AUG	3	6.0	55:	3				
23 AUG	3	6.5	21:	12					1 SEP	3	7.0	21:	1	22:	1	24:	1
23 AUG	3	6.0	38:	1								55:	1				
26 AUG	1	6.0	1:	7	13:	2	32:	8	1 SEP	3	6.5	21:	5	55:	2		
26 AUG	3	6.5	21:	4	22:	1	55:	3	1 SEP	3	6.0	21:	16	22:	1	24:	1

APPENDIX TABLE 1 (CONTINUED).

DATE	ZONE	HOURS FISHED	--- CATCH PER SPECIES ---				DATE	ZONE	HOURS FISHED	--- CATCH PER SPECIES ---							
1 SEP	3	6.0+	38:	1	39:	2	9 SEP	3	6.5	55:	3						
1 SEP	3	7.0	21:	3	22:	1	24:	9	9 SEP	3	8.0	55:	1				
			55:	2					9 SEP	3	4.0	6:	6	13:	2	15:	75
1 SEP	3	7.0	22:	1	24:	3	39:	3				22:	1	24:	5		
2 SEP	3	7.0	22:	2	24:	2	55:	3	9 SEP	3	6.0	24:	1	55:	1		
2 SEP	3	4.0	21:	6	22:	2	24:	19	9 SEP	3	6.0	55:	2				
			39:	1					9 SEP	3	6.0	55:	2				
2 SEP	3	6.0	21:	5	22:	7	23:	1	10 SEP	3	6.0						
			24:	3	39:	1			10 SEP	3	6.0	55:	2				
2 SEP	3	6.0	21:	10	22:	3	39:	1	10 SEP	3	6.0	55:	2				
2 SEP	3	6.5	21:	5	22:	3	24:	17	10 SEP	3	6.0	11:	2	21:	1	22:	2
			39:	1								24:	9	55:	1		
2 SEP	3	6.0	22:	9	23:	1	24:	1	10 SEP	3	3.0	1:	2	6:	1	21:	1
3 SEP	1	6.0	1:	14	3:	28			10 SEP	3	8.0	55:	3				
3 SEP	3	6.0	8:	1	13:	1			10 SEP	3	6.0	55:	1				
3 SEP	3	6.0	21:	6					11 SEP	3	6.0	21:	2				
3 SEP	3	6.0	6:	3	8:	2	21:	1	11 SEP	3	6.5	21:	2	22:	1	24:	37
			22:	3	24:	5						38:	1	55:	2		
4 SEP	3	3.0	1:	3	6:	6			11 SEP	3	3.0	1:	1	6:	2		
4 SEP	3	6.0	21:	5	24:	8			11 SEP	3	6.0	6:	1	21:	1		
4 SEP	3	8.0	22:	1	55:	1			11 SEP	1	6.0	1:	17	3:	11		
4 SEP	3	6.0	6:	1	21:	2	24:	30	12 SEP	3	6.0	21:	15	38:	1		
			38:	1					12 SEP	3	6.0	6:	1	21:	1	24:	1
5 SEP	3	6.0	55:	5					12 SEP	3	7.0	6:	1	21:	12	22:	2
5 SEP	3	8.0	8:	4	24:	3	55:	1				24:	2	39:	1		
5 SEP	3	6.0	55:	4					12 SEP	3	6.0	38:	1				
5 SEP	3	6.0	6:	1	11:	1	21:	4	13 SEP	3	7.0	21:	3	22:	5	24:	11
			22:	1	24:	4	39:	2				38:	1				
5 SEP	3	6.0	38:	1	55:	1			13 SEP	3	6.0	6:	1	21:	2	24:	1
6 SEP	3	6.0	23:	31	55:	2						39:	1				
6 SEP	3	6.0	6:	1	21:	3	22:	1	13 SEP	3	6.0						
			23:	1	39:	2			14 SEP	3	7.0	21:	7	22:	2	24:	7
6 SEP	3	6.0	55:	2								39:	2	55:	2		
6 SEP	3	8.0	24:	1	55:	3			15 SEP	3	7.0	21:	1	24:	39	39:	1
6 SEP	3	6.0	24:	6	55:	1						55:	3				
7 SEP	3	6.0	21:	2	55:	2			16 SEP	3	5.0	21:	5	22:	2	24:	16
7 SEP	3	7.0	38:	1	55:	2						55:	2				
7 SEP	3	6.0	55:	1					16 SEP	1	6.0	1:	11	3:	26		
7 SEP	3	6.0	55:	1					17 SEP	3	6.0	1:	1	6:	7	55:	2
7 SEP	3	6.0	55:	4					17 SEP	1	6.0	1:	14	3:	9		
8 SEP	3	6.0	38:	1	55:	3			17 SEP	3	5.0	24:	20	55:	1		
8 SEP	3	6.0	21:	2	55:	2			17 SEP	3	6.0	24:	30	55:	1		
8 SEP	3	6.0	55:	5					17 SEP	3	4.0	6:	1	11:	1	13:	1
8 SEP	3	5.0	6:	5	8:	2	11:	3				21:	1				
			13:	1	22:	2	24:	7	17 SEP	3	6.0	8:	2	23:	1		
8 SEP	3	7.0	8:	4	24:	10	55:	3	17 SEP	3	7.0	21:	1	24:	3	55:	3
8 SEP	3	6.0	55:	3					17 SEP	3	6.0	22:	1	24:	8	55:	1

APPENDIX TABLE 1 (CONTINUED).

DATE	ZONE	HOURS FISHED	-- CATCH PER SPECIES --				DATE	ZONE	HOURS FISHED	-- CATCH PER SPECIES --			
18 SEP	3	6.0	24:	10	55:	2	25 SEP	3	6.0+	24:	1		
18 SEP	3	7.0	6:	2	21:	3	22:	2	25 SEP	1	6.0	1:	8
			23:	1	24:	7	39:	1	25 SEP	3	4.0	1:	9
			55:	1					26 SEP	3	6.0	1:	2
18 SEP	3	5.0	22:	1	24:	30					22:	1	24:
18 SEP	1	6.0	1:	11	3:	14		27 SEP	3	7.0	21:	5	22:
19 SEP	3	6.0	22:	1	39:	1					55:	1	24:
19 SEP	3	6.0	1:	4	6:	3	8:	3	1 OCT	3	7.0	21:	3
			24:	4							38:	1	24:
19 SEP	3	6.0	24:	7	55:	1			1 OCT	1	6.0	1:	14
19 SEP	3	7.0	1:	4	6:	3	21:	3	1 OCT	3	5.5	1:	1
			24:	11	55:	1			1 OCT	3	5.0		21:
19 SEP	3	5.0	55:	3					1 OCT	3	6.0	21:	9
20 SEP	3	6.0	22:	4	24:	8			1 OCT	3	7.0	1:	11
20 SEP	3	7.0	1:	17	6:	2	21:	2	2 OCT	3	8.0	21:	10
			22:	3	24:	3	39:	1	2 OCT	3	5.0	21:	3
			55:	1					2 OCT	3	2.0	1:	2
20 SEP	3	6.0	24:	1					2 OCT	3	4.0	1:	13
20 SEP	3	6.0	24:	18	55:	2					24:	7	6:
20 SEP	3	6.0	24:	67					2 OCT	3	6.0	21:	12
21 SEP	3	6.0	1:	35	6:	14			3 OCT	3	5.5	21:	4
21 SEP	3	6.0	1:	4	22:	1					39:	1	22:
21 SEP	3	6.0	1:	1	32:	2	55:	1	3 OCT	3	6.0	21:	8
21 SEP	3	7.0	1:	1	6:	3	21:	7	3 OCT	3	6.0	21:	13
			22:	2	24:	19	38:	1	3 OCT	3	9.0	1:	10
23 SEP	3	6.0	1:	1	21:	4			4 OCT	3	9.0	1:	35
23 SEP	3	5.0	1:	4	21:	2	22:	1	4 OCT	3	6.0	21:	4
			24:	10					4 OCT	3	6.0	21:	6
23 SEP	3	6.0	1:	21	6:	12			5 OCT	3	6.0	1:	2
24 SEP	1	6.0	1:	7	3:	9					22:	3	24:
24 SEP	3	6.0	21:	3					5 OCT	3	6.0	1:	22
24 SEP	3	6.0	6:	4	8:	1	21:	10	5 OCT	3	6.0	21:	5
			23:	1	24:	8			6 OCT	3	7.0	1:	3
24 SEP	3	6.0	21:	2	32:	1					24:	9	32:
24 SEP	3	7.0	1:	3	6:	1	21:	11	6 OCT	3	6.0	21:	20
			22:	1	24:	6	39:	1	6 OCT	3	6.0	1:	32
			55:	1					6 OCT	3	5.0	8:	2
24 SEP	2	5.0	1:	2	3:	1	6:	2	6 OCT	2	6.0	1:	3
24 SEP	3	6.0	1:	8	3:	6	6:	7	7 OCT	2	6.0	1:	6
			7:	2					7 OCT	2	6.0	1:	7
24 SEP	3	6.0	21:	3	22:	1			7 OCT	3	5.0	6:	1
25 SEP	2	6.0	1:	3	3:	31	6:	2	7 OCT	3	6.0	21:	13
			7:	5					7 OCT	3	6.0	1:	1
25 SEP	2	5.0	1:	2	3:	1	6:	2	7 OCT	3	8.0	1:	44
25 SEP	3	7.0	21:	6	23:	2	24:	11	8 OCT	3	6.0	1:	59
			39:	1					8 OCT	3	3.0	1:	11
25 SEP	3	6.0	1:	12	6:	2	21:	2	8 OCT	2	6.0	1:	8

APPENDIX TABLE 1 (CONTINUED).

DATE	ZONE	HOURS FISHED	-- CATCH PER SPECIES --				DATE	ZONE	HOURS FISHED	-- CATCH PER SPECIES --			
8 OCT	3	7.0	1: 2	6: 3	21: 11	17 OCT	3	8.0	1: 45	32: 3			
			23: 19	55: 1		18 OCT	3	7.0	1: 24	32: 8			
9 OCT	2	6.0	1: 7	6: 4		18 OCT	3	8.0	1: 33	6: 1			
9 OCT	2	6.0	1: 1	3: 1	5: 46	18 OCT	3	6.0	1: 22	32: 8			
9 OCT	3	6.5	1: 3	6: 3	11: 1	18 OCT	3	5.0	1: 12				
			21: 7	23: 3	24: 11	18 OCT	3	7.0	1: 21	6: 9	23: 1		
9 OCT	3	5.0	21: 9			19 OCT	3	8.0	1: 19	6: 2			
9 OCT	3	8.0	1: 42	32: 4		19 OCT	3	6.0	1: 12	32: 13			
10 OCT	3	7.0	1: 29	6: 11	21: 3	19 OCT	1	3.0	1: 5	6: 1			
			23: 2			19 OCT	3	6.0	21: 26				
11 OCT	3	8.0	1: 58	6: 7	23: 3	21 OCT	1	6.0	1: 13	6: 4			
12 OCT	3	7.0	1: 2	6: 2	21: 5	22 OCT	1	6.0	1: 18	6: 2			
			23: 7	24: 5	39: 1	22 OCT	2	4.0	1: 2	6: 2			
13 OCT	2	6.0	1: 11	3: 1	6: 4	22 OCT	2	6.0	1: 6	6: 1			
13 OCT	6	4.0	1: 7	3: 1	5: 3	24 OCT	3	5.0	1: 13	6: 4			
			6: 5			25 OCT	3	6.0	1: 11	5: 8	32: 11		
13 OCT	3	6.0	1: 32	21: 1	32: 6	25 OCT	3	7.0	1: 20	5: 22	32: 6		
13 OCT	1	7.0	1: 18	8: 7	13: 1	26 OCT	3	1.5	5: 3	6: 6			
13 OCT	3	9.0	1: 12	5: 4	32: 6	26 OCT	1	6.0	1: 5	6: 3			
13 OCT	3	7.5	1: 25	5: 2	6: 1	28 OCT	1	6.0	1: 9	6: 4			
14 OCT	3	7.0	1: 67	23: 2		28 OCT	3	4.0	1: 7	6: 5			
14 OCT	3	8.0	1: 52	32: 4		28 OCT	2	4.0	5: 53	32: 1			
14 OCT	1	6.0	1: 14	8: 11		28 OCT	2	4.0	5: 6				
14 OCT	3	6.0	1: 23	21: 2		29 OCT	3	4.5	1: 5	5: 17	6: 3		
14 OCT	3	6.0	21: 12			29 OCT	1	3.0	6: 33				
14 OCT	3	5.0	1: 23	8: 4	23: 2	29 OCT	1	6.0	1: 17	6: 6			
14 OCT	3	8.0	1: 37	5: 5	6: 3	29 OCT	3	2.0	5: 4	32: 2			
15 OCT	3	5.0	1: 13	6: 3	12: 1	29 OCT	3	5.0	5: 3	6: 14			
15 OCT	3	7.5	1: 49	6: 7		30 OCT	2	3.0					
15 OCT	2	6.0	1: 8	6: 8		30 OCT	1	6.0	1: 9	6: 5			
15 OCT	3	5.0	1: 55	8: 8	23: 1	30 OCT	2	5.0	1: 7	3: 1			
15 OCT	3	6.0	1: 48	22: 1	32: 18	1 NOV	3	8.0	1: 63	5: 3	6: 7		
15 OCT	1	6.0	1: 23	8: 4		2 NOV	3	7.5	1: 49	5: 11	6: 2		
15 OCT	3	8.0	1: 62	6: 14		5 NOV	6	5.0	1: 3	5: 35	6: 2		
15 OCT	3	7.0	1: 57	32: 9					13: 1				
15 OCT	3	7.0	1: 56	6: 2	23: 2	5 NOV	3	4.0	32: 5				
16 OCT	3	7.0	1: 59	23: 1		5 NOV	3	7.0	1: 5	5: 39			
16 OCT	3	8.0	1: 62	32: 12		6 NOV	3	7.0	1: 36	2: 1	3: 2		
16 OCT	3	5.0	1: 22	8: 2					5: 3	6: 11	13: 1		
16 OCT	3	5.0	1: 21						23: 2				
16 OCT	2	5.0	1: 7	3: 1	6: 8	7 NOV	6	5.0	1: 33	6: 6			
16 OCT	3	7.5	1: 39	6: 11	23: 3	8 NOV	3	4.0	1: 17	5: 7	6: 4		
17 OCT	3	8.0	1: 30	3: 1	6: 7	8 NOV	3	5.0	5: 3	32: 10			
17 OCT	3	5.0	1: 9	6: 5		13 NOV	6	6.0	1: 33	3: 1	4: 2		
17 OCT	3	6.0	1: 62	32: 6					5: 9	6: 7	13: 1		
17 OCT	3	6.0	1: 20						23: 2				
17 OCT	3	8.0	1: 47	6: 7		14 NOV	2	5.0	5: 26	32: 2			

APPENDIX TABLE 1 (CONTINUED).

DATE	ZONE	HOURS FISHED	-- CATCH PER SPECIES --			DATE	ZONE	HOURS FISHED	-- CATCH PER SPECIES --		
18 NOV	3	5.5	1: 13	5: 21	6: 3						
			23: 3								
19 NOV	3	7.0	1: 21	2: 1	4: 1						
			5: 3	6: 6							
19 NOV	1	4.0	5: 16								
22 NOV	3	5.0	1: 11	3: 1	5: 11						
			6: 3								
23 NOV	1	4.0	5: 17	6: 2							
26 NOV	6	6.0	1: 3	5: 21	6: 7						
26 NOV	3	5.0	1: 15	6: 3							
27 NOV	3	5.0	1: 23	6: 2							
27 NOV	6	6.0	1: 1	5: 19	6: 3						
10 DEC	6	6.0	1: 14	5: 14	6: 2						
11 DEC	2	2.0	5: 19	6: 1							

APPENDIX TABLE 2. LOGGED 1983 NON-TROLLING CATCH AND EFFORT FROM NORTH CAROLINA

DATE	ZONE	HOURS FISHED	-- CATCH PER SPECIES --			DATE	ZONE	HOURS FISHED	-- CATCH PER SPECIES --		
1 APR	2	6.0	15:156	48: 2	50: 11	4 JUL	3	4.0+	76: 41		
			96: 3			5 JUL	3	6.0	15:225	17: 4	50: 80
2 APR	2	3.0	15: 62	48: 1	50: 7				76: 64		
9 APR	2	6.0	15:250	36: 2	48: 5	9 JUL	1	6.0	15:180	50: 45	
			50: 15	96: 5		9 JUL	3	3.0	15:120	17: 1	50: 54
17 APR	3	5.0	15:150	50: 15	76: 8				76: 38		
			96: 2			15 JUL	2	4.0	15:150	50: 12	76: 67
18 APR	3	5.0	15:180	50: 18	76: 4				96: 4		
			96: 3			16 JUL	3	4.0	15:125	50: 70	76: 41
19 APR	2	1.0	15: 10	50: 4					96: 2		
23 APR	3	6.0	15:450	50: 40	76: 4	17 JUL	3	6.0	15:225	17: 2	50: 87
23 APR	2	10.0	15: 25						76: 25		
25 APR	3	6.0	15:300	50: 92	76: 7	20 JUL	1	4.0	15: 52		
30 APR	3	5.0	15:350	50:103	76: 4	23 JUL	3	6.0	15:365	17: 1	50: 32
1 MAY	6	7.0	15:300	17: 3	50: 45				76: 33		
1 MAY	3	6.0	15:360	50: 92	76: 6	25 JUL	3	4.0	15:130	50: 20	76: 14
2 MAY	3	6.0	15:225	50: 74	76: 5	29 JUL	3	5.0	15:200	50: 43	76: 25
5 MAY	6	6.0	15:275	17: 1	50: 30	31 JUL	3	2.0	15: 50	50: 8	
7 MAY	6	5.0	15:350	50: 60		3 AUG	3	2.0	15: 65	50: 13	76: 1
7 MAY	3	6.0	15:400	50:140	76: 12	6 AUG	1	5.0	14:200	50: 30	
8 MAY	3	3.0	15:120	50: 35		6 AUG	3	5.0	15:150	50: 40	76: 14
15 MAY	4	4.0	15: 60			8 AUG	3	4.0	15:100	17: 1	50: 50
22 MAY	3	2.0	15:150	50: 27	76: 7	9 AUG	3	2.0	15: 75	50: 7	76: 5
27 MAY	2	5.0	15: 80	50: 10		12 AUG	3	4.0	15:140	50: 8	76: 9
2 JUN	1	6.0	15:225			13 AUG	3	6.0	15:300	50: 15	76: 13
11 JUN	3	5.0	15:130	50: 10	76: 2	13 AUG	1	6.0	15:140	50: 20	76: 18
12 JUN	3	6.0	15:175	50: 50	76: 5	17 AUG	3	4.0	15:125	17: 1	50: 18
17 JUN	3	2.0	15: 40	50: 14	76: 15				76: 23		
18 JUN	3	6.0	15:220	50: 55	76: 53	18 AUG	2	2.0	15: 55	50: 12	76: 11
18 JUN	3	6.0	1: 1	2: 3	15:190	18 AUG	1	6.0	14: 80	50: 31	62: 3
			37: 4	50: 22	76: 30				76: 35		
19 JUN	3	5.0	15:125	50: 40	76: 24	20 AUG	3	4.0	15:175	50: 12	76: 16
			96: 2			20 AUG	1	6.0	14:110	50: 27	62: 8
21 JUN	3	5.0	1: 3	2: 1	15: 11				76: 65		
			17: 10			27 AUG	3	6.0	15:300	17: 6	50: 47
22 JUN	3	5.0	1: 1	13: 1	15: 15				76: 29		
			17: 12			2 SEP	1	6.0	1: 5	15:180	50: 70
23 JUN	3	4.0	15: 6	17: 8					76: 30		
25 JUN	3	5.0	15:230	50: 50	76: 63	3 SEP	2	6.0	15:400	50: 35	76: 12
27 JUN	3	5.0	15:175	19: 4	50: 60	4 SEP	3	4.0	15:150	50: 87	76: 37
			76: 52			5 SEP	2	6.0	15: 15	50: 10	76: 20
2 JUL	1	6.0	15:190			10 SEP	3	3.0	15: 75	50: 35	76: 11
2 JUL	3	6.0	15:150	19: 1	50: 55	11 SEP	3	5.0	15:175	50: 17	76: 27
			76: 54			17 SEP	3	4.0	15:225	50: 28	76: 58
3 JUL	3	4.0	15:100	17: 6	50: 50	22 SEP	1	7.0	13: 1	15:180	50: 35
			76: 41						76: 48		
4 JUL	3	4.0	15:160	17: 5	50: 67	24 SEP	2	4.0	15: 65	50: 10	76: 8

APPENDIX TABLE 2 (CONTINUED).

DATE	ZONE	HOURS FISHED	-- CATCH PER SPECIES --			DATE	ZONE	HOURS FISHED	-- CATCH PER SPECIES --		
25 SEP	2	4.0	15: 60	50: 10							
2 OCT	3	3.0	14: 42	20: 6	50: 18						
29 OCT	3	3.0	1: 4	5: 6	6: 3						
4 NOV	1	6.0	15:230	50: 60							
5 NOV	1	6.0	15:180	50: 15							
6 NOV	1	6.0	15: 90	50: 8							
12 NOV	1	7.0	15:200	50: 30							

APPENDIX TABLE 3. LOGGED 1983 TROLLING CATCH AND EFFORT FROM SOUTH CAROLINA

DATE	ZONE	HOURS FISHED	-- CATCH PER SPECIES --					DATE	ZONE	HOURS FISHED	-- CATCH PER SPECIES --						
			5:	13:	14:	16:	17:				3:	4:	5:	6:	12:		
20 APR	6	5.0						16 JUN	2	4.0	3:	4	5:	6	12:	10	
21 APR	6	10.0	5:	1	13:	1	14:	6	18 JUN	2	4.0	3:	15	5:	12	12:	2
			15:	263	16:	2	17:	4	18 JUN	6	5.5	1:	5	11:	1	21:	6
			36:	2								23:	6				
25 APR	6	4.0	5:	45	13:	1			21 JUN	2	4.0	5:	6	11:	1		
28 APR	6	4.0	5:	26					22 JUN	2	4.0	3:	3	5:	1	12:	10
30 APR	3	5.5	1:	18					24 JUN	2	4.0	1:	1	3:	4		
3 MAY	6	4.0	3:	2	5:	40			24 JUN	3	5.0	21:	4	24:	2		
4 MAY	6	4.0	3:	7	5:	57			25 JUN	3	6.0	21:	6	22:	5	24:	2
5 MAY	3	5.0	1:	24								38:	1				
7 MAY	3	5.5	1:	18	11:	1	23:	3	26 JUN	3	5.0	1:	2	11:	2	21:	3
7 MAY	6	4.0	3:	2	5:	22						22:	3	24:	1		
9 MAY	2	4.0	5:	5					27 JUN	2	8.0	5:	15	11:	1	12:	18
10 MAY	2	6.0	3:	2	5:	5			28 JUN	2	4.0	3:	4	5:	26	12:	10
11 MAY	2	4.0	5:	6					30 JUN	2	6.0	1:	2				
12 MAY	2	8.0	2:	1	3:	2	5:	3	1 JUL	2	8.0	1:	6	8:	1		
13 MAY	2	4.0							2 JUL	2	8.0	3:	1	5:	12	12:	2
14 MAY	2	4.0	5:	17								13:	2				
19 MAY	3	5.0	1:	31					2 JUL	3	6.0	11:	5	21:	1	22:	4
19 MAY	2	4.0	1:	1	5:	2						24:	2				
20 MAY	2	4.0	1:	1	5:	4			4 JUL	2	8.0	5:	15	11:	1	12:	13
20 MAY	3	5.0	1:	26					5 JUL	2	4.0	3:	4	5:	26	12:	10
23 MAY	2	6.0	1:	1	5:	10			6 JUL	2	4.0	3:	1	5:	9		
24 MAY	3	7.0	1:	4	6:	1	11:	1	7 JUL	2	6.0	1:	2				
			21:	3	22:	2			8 JUL	2	9.0	1:	6	6:	1	15:	12
25 MAY	2	6.0	5:	10					9 JUL	3	5.0	1:	4	11:	5	21:	1
26 MAY	2	4.0	5:	11								22:	2				
27 MAY	2	4.0	3:	1	8:	1			12 JUL	2	4.0	5:	8	11:	2	12:	10
27 MAY	3	7.0	6:	1	21:	4	22:	1	13 JUL	2	9.0	1:	2	11:	2		
28 MAY	3	7.0	21:	5	22:	2	24:	2	14 JUL	2	4.0	3:	1	5:	20	70:	1
28 MAY	2	4.0	14:	2	15:	610	50:	39	16 JUL	2	4.0	3:	1	12:	1		
			91:	1					17 JUL	3	5.0	21:	3	22:	4	24:	12
30 MAY	2	4.0	5:	2	13:	1			19 JUL	2	6.0	1:	2				
3 JUN	2	8.0	2:	1	3:	6	5:	1	20 JUL	2	4.0	3:	10	5:	10	11:	2
3 JUN	3	5.5	1:	12	21:	2	24:	2	21 JUL	2	6.0	5:	10	11:	1	13:	4
4 JUN	3	5.0	1:	10	6:	1	21:	4	22 JUL	2	4.0	3:	20	5:	20		
			22:	2	23:	1	24:	3	23 JUL	2	8.0	5:	58				
6 JUN	2	8.0	3:	3	5:	40	11:	1	23 JUL	3	6.0	11:	2	24:	35		
			13:	1					26 JUL	3	6.0	1:	10	11:	6	21:	4
7 JUN	2	4.0	5:	10	11:	1						24:	1				
8 JUN	2	8.0	3:	75	5:	7			27 JUL	2	4.0	3:	6	5:	8		
8 JUN	3	5.0	11:	1	21:	4	22:	1	28 JUL	2	4.0	5:	2	11:	2		
			24:	5	38:	1			29 JUL	2	4.0	3:	7	5:	6		
9 JUN	2	4.0	3:	25					30 JUL	2	2.5	12:	1				
11 JUN	2	4.0	5:	12					1 AUG	2	4.0	5:	1	12:	5	24:	1
14 JUN	2	4.0	3:	7	5:	3			2 AUG	2	8.0	3:	1	5:	5	9:	2
15 JUN	2	4.0	1:	2	3:	6						12:	25				

APPENDIX TABLE 3 (CONTINUED).

DATE	ZONE	HOURS FISHED	--- CATCH PER SPECIES ---			DATE	ZONE	HOURS FISHED	--- CATCH PER SPECIES ---									
3 AUG	2	4.0	5:	5	12:	3	23 SEP	2	4.0	3:	2							
3 AUG	3	6.0	1:	28	11:	5	27 SEP	2	4.0	8:	1							
4 AUG	2	8.0	3:	4	5:	6	28 SEP	2	4.0									
6 AUG	2	4.0	3:	17	5:	8	11:	2	29 SEP	2	5.0	1:	2					
9 AUG	2	8.0	5:	16	11:	1	30 SEP	2	5.0	1:	18	3:	2	11:	1			
10 AUG	2	8.0	5:	18	11:	2	12:	3	30 SEP	2	4.0	8:	1					
11 AUG	2	8.0	3:	6	5:	27	1 OCT	2	8.0	8:	3	13:	2	87:	1			
11 AUG	3	2.0	1:	2	11:	4	21:	1	3 OCT	2	4.0	3:	1	8:	2	12:	10	
			39:	1					4 OCT	2	4.0	5:	20	13:	1			
12 AUG	2	8.0	3:	7	5:	16	6 OCT	6	6.0	1:	28	2:	2	6:	3			
13 AUG	2	8.0	3:	9	5:	37	8 OCT	2	2.0	1:	13							
14 AUG	2	4.0	3:	10	5:	6	13:	1	12 OCT	2	8.0	8:	1					
15 AUG	2	8.0	5:	6	7:	1	8:	2	13 OCT	2	8.0	5:	1	8:	1			
			12:	22	13:	1			15 OCT	2	4.0	5:	8	13:	1			
16 AUG	2	8.0	5:	8	12:	12	15 OCT	2	6.0	1:	16	3:	2	11:	2			
17 AUG	2	8.0	4:	16					16 OCT	2	4.0	5:	10	13:	2			
17 AUG	3	6.0	1:	2	11:	5	21:	6	18 OCT	2	8.0	5:	5	13:	5			
18 AUG	2	8.0	4:	13	5:	6	11:	1	20 OCT	2	4.0	5:	2					
19 AUG	2	8.0	1:	4	4:	18	8:	1	25 OCT	2	4.0	13:	4					
			10:	1					26 OCT	2	6.0	1:	28	3:	1	5:	4	
20 AUG	2	8.0	4:	25	8:	2	11:	1				6:	6	13:	1			
20 AUG	3	7.0	1:	10	11:	6	23:	1	27 OCT	2	6.0	1:	12	3:	1	6:	4	
21 AUG	2	4.0	3:	10					28 OCT	2	8.0	1:	2	6:	1	13:	2	
23 AUG	2	4.0	3:	10	5:	10	12:	2				14:	2	19:	1			
24 AUG	2	6.0	3:	10	5:	8			29 OCT	2	6.0	1:	29	3:	2	6:	3	
25 AUG	2	6.0	3:	10	5:	6	12:	4				13:	1					
25 AUG	6	6.0	1:	9	11:	4	13:	2	5 NOV	2	6.0	1:	23	6:	8	13:	1	
			22:	1					9 NOV	2	4.0	1:	1					
27 AUG	2	4.0	3:	6	5:	2	12:	16	10 NOV	2	4.0	1:	1	8:	1			
28 AUG	3	7.0	11:	3	23:	2	39:	1	11 NOV	2	6.0	5:	5	13:	2			
30 AUG	2	8.0	5:	16	8:	1	12:	22	12 NOV	2	10.0	1:	2	5:	2	13:	2	
			13:	1					14 NOV	2	4.0	1:	2	5:	8	13:	2	
31 AUG	2	8.0	3:	16					18 NOV	2	4.0	1:	2	5:	10	13:	2	
1 SEP	2	8.0	3:	13	5:	6	11:	1	19 NOV	2	8.0	1:	10	5:	12	13:	5	
2 SEP	2	8.0	1:	2	3:	10	8:	1				17:	1					
3 SEP	2	8.0	3:	25	8:	3	11:	1										
3 SEP	6	6.0	1:	21	6:	8	11:	4										
			23:	2														
6 SEP	2	6.0	1:	20	6:	6	11:	5										
10 SEP	2	6.0	1:	21	6:	1	11:	1										
11 SEP	3	5.0	1:	18	6:	1	11:	2										
			23:	1														
16 SEP	2	8.0																
17 SEP	2	8.0	1:	2	11:	4	13:	3										
19 SEP	2	6.0	1:	2	3:	12												
20 SEP	3	5.0	21:	2	22:	1												
21 SEP	2	4.0	3:	3														

APPENDIX TABLE 4. LOGGED 1983 NON-TROLLING CATCH AND EFFORT FROM SOUTH CAROLINA

DATE	ZONE	HOURS FISHED	-- CATCH PER SPECIES --			DATE	ZONE	HOURS FISHED	-- CATCH PER SPECIES --		
5 APR	6	10.0	15: 63	36: 1	50: 27	4 JUL	2	5.0	14: 6	15:302	17: 4
6 APR	6	9.0	15:150	50: 3					20: 5		
6 APR	6	10.0	15:117	36: 1	50: 34	8 JUL	2	5.0	14: 7	15:253	16: 2
7 APR	6	10.0	5: 10	15: 8					17: 2	20: 4	
26 APR	6	6.0	5: 24			9 JUL	2	6.0	14: 3	15:197	16: 4
27 APR	6	6.0	5: 7						17: 2	20: 6	
30 APR	6	6.0	5: 16			24 JUL	2	5.0	14: 9	15:363	16: 4
1 MAY	6	6.0	5: 26						17: 6	20: 4	
2 MAY	6	6.0	5: 8			25 JUL	2	5.0	14: 3	15:152	
5 MAY	6	6.0	5: 29			31 JUL	2	6.0	14: 6	15:234	16: 5
5 MAY	3	4.0	14: 4	15:283	16: 2				17: 2	20: 1	
			20: 1	50: 22		3 AUG	2	6.0	14: 4	15:306	16: 2
6 MAY	6	6.0	5: 16						20: 2		
6 MAY	3	4.0	14: 2	15:319	16: 3	5 AUG	2	5.0	14: 3	15:207	16: 1
			50: 7						20: 3		
7 MAY	3	4.0	14: 6	15:141		6 AUG	2	6.0	14: 4	15:316	20: 2
24 MAY	2	4.0	14: 2	15:265	16: 2	7 AUG	2	5.0	15:309	16: 4	17: 6
			36: 1	50: 19					20: 4	21: 1	
25 MAY	2	4.0	14: 1	15:304	16: 5	8 AUG	2	7.0	15:132	20: 2	
			36: 3	50: 11		12 AUG	2	5.0	15:243	16: 6	17: 3
26 MAY	2	4.0	14: 3	15:560	36: 1	13 AUG	2	6.0	15:307	17: 3	20: 1
			50: 37			14 AUG	6	4.0	14: 6	15:238	16: 3
27 MAY	2	4.0	14: 4	15:716	36: 1				20: 2		
			50: 46			18 AUG	6	4.0	14: 3	15:307	16: 4
29 MAY	3	4.0	14: 4	15:362	17: 2				20: 4		
			20: 3			19 AUG	6	4.0	14: 4	15:328	16: 6
30 MAY	3	4.0	14: 2	15:387	17: 1				20: 2		
			20: 1			20 AUG	6	4.0	14: 7	15:491	16: 7
1 JUN	3	4.0	14: 1	15:241					20: 5		
2 JUN	3	4.0	14: 6	15:308	17: 3	21 AUG	6	4.0	14: 3	15:284	16: 3
			20: 2						20: 6	62: 11	
3 JUN	3	4.0	14: 7	15:341	17: 2	22 AUG	6	5.0	14: 11	15:461	16: 4
			20: 1						20: 9	62: 18	
6 JUN	3	4.0	14: 6	15:372		26 AUG	6	4.0	14: 2	15:316	16: 2
16 JUN	3	4.0	14: 4	15:342					20: 3	62: 7	
18 JUN	3	4.0	13: 2	15:409		27 AUG	6	4.0	14: 6	15:430	16: 1
19 JUN	3	4.0	14: 6	15:361	16: 3				20: 2	62: 41	
			20: 4			28 AUG	6	5.0	14: 3	15:431	16: 5
20 JUN	3	4.0	14: 4	15:386	16: 2				20: 4	50: 28	62: 31
22 JUN	3	4.0	14: 2	15:217		1 SEP	6	5.0	14: 2	15:350	20: 5
25 JUN	3	4.0	14: 1	15:396					50: 18	62: 26	
26 JUN	3	4.0	15: 93			2 SEP	6	5.0	15:380	20: 2	50: 37
27 JUN	3	4.0	14: 11	15:409	16: 7				62: 18		
1 JUL	2	1.0	15: 20	54: 2	62: 6	4 SEP	6	10.0	14: 14	15:345	16: 6
2 JUL	3	4.0	14: 4	15:382	16: 5				20: 3	50: 63	62: 22
3 JUL	2	6.0	14: 11	15:207	17: 3	5 SEP	6	10.0	14: 6	15:425	16: 2
			20: 2						20: 1	50: 11	62: 17

APPENDIX TABLE 4 (CONTINUED).

DATE	ZONE	HOURS FISHED	-- CATCH PER SPECIES --			DATE	ZONE	HOURS FISHED	-- CATCH PER SPECIES --		
8 SEP	6	10.0	14:	2	15:350	16:	3				
			50:	46	62: 32						
10 SEP	6	10.0	14:	3	15:400	16:	1				
			50:	17	62: 18						
11 SEP	6	10.0	14:	5	15:475	16:	2				
			20:	2	50: 65	62:	45				
12 SEP	6	10.0	15:	200	16:	1	20:	2			
			50:	19	62: 11						
16 SEP	6	10.0	14:	9	15:311	16:	3				
			20:	1	50: 46	62:	65				
17 SEP	6	10.0	14:	7	15:360	16:	2				
			50:	49	62: 70						
18 SEP	6	10.0	14:	11	15:460	20:	3				
			50:	41	62: 67						
20 SEP	6	10.0	14:	6	15:500	20:	2				
			50:	60	62: 75						
21 SEP	6	10.0	14:	3	15:425	20:	1				
			50:	38	62: 71						

APPENDIX TABLE 5. LOGGED 1983 TROLLING CATCH AND EFFORT FROM GEORGIA

DATE	ZONE	HOURS FISHED	--- CATCH PER SPECIES ---				DATE	ZONE	HOURS FISHED	--- CATCH PER SPECIES ---			
2 MAY	2	3.0	1:	3	5:	1	28 AUG	3	5.0+	15:	1		
6 MAY	2	2.0	1:	1			29 AUG	3	5.0	1:	4	6:	2
20 MAY	3	5.0	1:	6	6:	3	22:	1	31 AUG	2	6.5	1:	1
25 MAY	2	5.0	2:	1	5:	5	3:	7	3 SEP	3	5.0	1:	6
27 MAY	2	5.0	5:	25	6:	2	6:	5	4 SEP	6	2.5		
28 MAY	2	5.0	5:	1	6:	1							
2 JUN	2	4.0	2:	1	5:	20	15:	10					
14 JUN	2	3.5	2:	2	5:	2	6:	1					
			11:	2									
15 JUN	2	4.0	1:	2	2:	4	5:	1					
			11:	1									
17 JUN	2	3.0	1:	1	11:	4							
23 JUN	2	5.0	1:	3	22:	1	24:	2					
25 JUN	2	6.0	1:	2	6:	1	11:	5					
28 JUN	3	2.0	1:	4	6:	2							
29 JUN	3	3.0	1:	2									
30 JUN	3	6.0	1:	3	6:	2	11:	1					
			13:	7	15:	4	24:	4					
2 JUL	2	5.5	1:	7	6:	4	22:	3					
			24:	1									
6 JUL	3	4.0											
18 JUL	6	5.0	1:	3	22:	1							
20 JUL	3	5.0	1:	4	5:	1	6:	4					
			11:	2	13:	5	62:	20					
21 JUL	3	5.0	1:	12	24:	6	62:	15					
22 JUL	6	3.0	11:	3									
25 JUL	2	5.0	1:	2	11:	7							
26 JUL	3	5.0	1:	8	5:	4	11:	1					
			13:	1	24:	1							
2 AUG	3	6.0	1:	5	3:	2	6:	2					
			13:	1	22:	1	24:	3					
5 AUG	3	5.0	1:	5	11:	3	24:	5					
6 AUG	2	5.0	3:	3	11:	6							
9 AUG	2	3.0											
14 AUG	2	5.5	6:	7	11:	12	13:	2					
18 AUG	3	4.5	1:	6	6:	4	24:	1					
19 AUG	3	4.0	1:	4	6:	5	22:	1					
			24:	1									
20 AUG	2	6.0	1:	1	3:	4	6:	6					
			11:	10	13:	2							
21 AUG	2	6.0	1:	1	3:	8	6:	10					
			11:	10									
22 AUG	2	6.0	1:	2	3:	4	6:	3					
			11:	8									
27 AUG	2	6.5	1:	1	3:	7	6:	7					
			11:	9									
28 AUG	3	5.0	1:	3	3:	2	6:	8					

APPENDIX TABLE 6. LOGGED 1983 NON-TROLLING CATCH AND EFFORT FROM GEORGIA

DATE	ZONE	HOURS FISHED	-- CATCH PER SPECIES --			DATE	ZONE	HOURS FISHED	-- CATCH PER SPECIES --		
27 APR	3	6.0	62:	40							
28 APR	3	12.0	14:100	19: 2	62:200						
29 APR	3	12.0	1: 10	14: 40	62: 40						
1 MAY	2	6.0	5: 43								
2 MAY	2	3.0	14: 25	15: 15							
3 MAY	2	6.0	15: 20	17: 4	62: 20						
4 MAY	2	4.0	15: 20								
6 MAY	2	4.0	4: 8	11: 1							
7 MAY	2	6.0	5: 50								
23 MAY	2	5.0	1: 3	2: 4	5: 10						
26 MAY	2	5.0	2: 3	14: 20	36: 2						
1 JUN	2	4.0	5: 40								
2 JUN	2	1.0									
4 JUN	2	6.0	5: 30	15: 7							
11 JUN	2	5.0	5: 40	7: 1							
28 JUN	3	3.5	1: 5	11: 1	13: 7						
			14: 2	22: 1	24: 10						
			62: 70								
29 JUN	3	2.0	13: 5	15: 10	24: 10						
			62: 35								
30 JUN	3	1.0	62: 20								
6 JUL	3	1.0	15: 3	116: 2							
12 JUL	3	5.0	1: 8	12: 1	13: 4						
			15: 2	24: 2	62: 40						
15 JUL	3	5.0	1: 8	11: 1	13: 4						
			15: 3	24: 8	62: 20						
16 JUL	3	5.0	1: 10	13: 2	15: 2						
			62: 29								
23 JUL	2	5.0	1: 7	11: 4	13: 2						
29 AUG	3	3.0	1: 7	13: 4	15: 1						
			62: 20								
4 SEP	6	1.5	48: 1								

APPENDIX TABLE 7. LOGGED 1983 TROLLING CATCH AND EFFORT FROM NORTHEAST FLORIDA

DATE	ZONE	HOURS FISHED	-- CATCH PER SPECIES --				DATE	ZONE	HOURS FISHED	-- CATCH PER SPECIES --					
13 APR	3	4.0	1:	3	4:	1	6:	20	16 JUN	6	7.0+	6:	3		
14 APR	2	4.0	6:	6					18 JUN	6	7.0	1:	6	12:	1
17 APR	3	7.0	6:	46					19 JUN	6	7.0	1:	7	11:	1
18 APR	2	3.0	5:	3	36:	1			20 JUN	2	4.0	12:	2		
21 APR	1	3.0	5:	7					23 JUN	2	2.5	1:	3	6:	1
25 APR	2	4.0	3:	3	5:	1			24 JUN	6	7.0	1:	10	6:	4
26 APR	2	3.5	3:	1	6:	2	8:	1				24:	1		
27 APR	2	3.0	3:	1	8:	2			25 JUN	2	7.0	1:	7	6:	6
28 APR	2	4.0	3:	1	8:	1	23:	1				13:	1		
28 APR	1	3.0	3:	14	5:	12	12:	5	25 JUN	3	5.0	11:	3		
30 APR	3	5.0	1:	1	6:	10			26 JUN	3	3.0	1:	3		
2 MAY	3	9.0	3:	2	5:	8	6:	21	26 JUN	6	8.0	1:	4	2:	1
			8:	2								11:	2	6:	4
3 MAY	6	9.0	1:	3	5:	2	6:	23	28 JUN	2	3.0	1:	2		
6 MAY	2	4.0	3:	15	5:	2			2 JUL	6	7.0	1:	7	3:	1
7 MAY	3	9.0	1:	19	6:	15						11:	3	6:	6
8 MAY	6	5.0	1:	4	3:	2	6:	20	2 JUL	2	6.0	1:	7		
11 MAY	3	5.0	1:	6	3:	4	6:	3	3 JUL	2	2.0				
12 MAY	2	3.0	2:	1	3:	1	5:	1	3 JUL	6	6.5	1:	7	6:	3
13 MAY	3	6.0	1:	7	6:	4						12:	1	11:	2
14 MAY	3	5.0	1:	11	6:	8	8:	1	4 JUL	6	7.0	1:	4	5:	2
15 MAY	6	6.0	1:	6	3:	1	5:	1				11:	2	13:	1
			6:	15	8:	1			7 JUL	2	3.5	1:	1	6:	2
16 MAY	2	3.0	3:	1	5:	2			9 JUL	6	7.0	1:	1	3:	1
17 MAY	2	6.0	3:	3	4:	1			16 JUL	3	2.0	1:	1	3:	1
20 MAY	6	7.0	1:	1	3:	6	5:	10	17 JUL	6	6.0	1:	1	6:	16
			8:	1	11:	1			21 JUL	2	5.0	36:	1		
21 MAY	3	5.0	1:	6	3:	2	5:	20	22 JUL	2	5.0	1:	1	6:	1
22 MAY	3	3.0	1:	1	6:	10			23 JUL	2	6.0	1:	2	3:	3
24 MAY	2	3.0	3:	1	5:	1	6:	1	24 JUL	6	6.0	1:	3	3:	1
25 MAY	2	3.0										11:	14	15:	1
26 MAY	2	4.0	1:	2	6:	12	13:	1	30 JUL	2	7.0	5:	2	12:	29
27 MAY	3	6.0	1:	1	3:	7	5:	1	4 AUG	2	3.0	3:	2	6:	2
			6:	10	11:	1			5 AUG	6	7.0	1:	4	6:	3
28 MAY	2	4.0	1:	2	3:	1	6:	6	6 AUG	2	3.0	3:	1	6:	2
			11:	2								12:	3	11:	2
29 MAY	6	7.5	1:	5	3:	1	6:	8	7 AUG	6	7.0	6:	10	11:	4
			11:	1					10 AUG	6	7.0	6:	2	11:	1
1 JUN	6	7.0	1:	6	3:	1	6:	4	11 AUG	6	7.0	1:	3	6:	1
			11:	2					13 AUG	6	8.0	3:	2	5:	4
3 JUN	2	3.0	3:	1	5:	1	6:	1				13:	3	11:	5
4 JUN	6	7.0	1:	5	2:	1	3:	2	14 AUG	6	6.0	1:	1	6:	1
			6:	6	13:	1			17 AUG	3	6.0	1:	1		
5 JUN	6	7.0	1:	2	3:	2	6:	6	18 AUG	2	3.0	3:	2	6:	1
			24:	1					19 AUG	6	7.0	3:	2	6:	18
15 JUN	2	3.0										12:	1	11:	3
16 JUN	6	7.0	1:	3	2:	2	3:	2	20 AUG	2	3.5	1:	2	6:	1

APPENDIX TABLE 7 (CONTINUED).

DATE	ZONE	HOURS FISHED	-- CATCH PER SPECIES --				DATE	ZONE	HOURS FISHED	-- CATCH PER SPECIES --			
20 AUG	3	5.5	1:	4	36:	1							
21 AUG	6	4.0	3:	1	6:	21							
26 AUG	6	7.0	1:	5	3:	2	6:	7					
			11:	6									
27 AUG	6	7.0	1:	3	3:	3	6:	10					
			11:	7									
27 AUG	3	3.5	1:	2									
28 AUG	6	9.0	1:	7	3:	6	6:	10					
			11:	7									
3 SEP	6	7.0	6:	1									
4 SEP	6	7.0	1:	4	3:	1	6:	6					
			11:	4									
10 SEP	6	7.0	1:	2	3:	2	6:	7					
			22:	1									
18 SEP	6	4.0	3:	1	5:	1	6:	9					
			11:	7	12:	11	13:	2					
26 SEP	2	4.0	1:	1	3:	6	5:	4					
			6:	3	9:	1	12:	6					
27 SEP	1	3.0	2:	1	3:	2	5:	10					
			9:	3	121:	6							
1 OCT	6	7.0	1:	3	3:	1	6:	7					
			11:	3	13:	4							
2 OCT	6	7.0	1:	3	6:	9	13:	3					
3 OCT	6	3.0	3:	1	6:	3	13:	4					
4 OCT	3	3.0	3:	2	6:	6	13:	2					
4 OCT	3	3.0	13:	2									
5 OCT	3	3.0	13:	1									
8 OCT	2	7.0	1:	2	3:	1	6:	5					
			11:	1	12:	1	13:	8					
11 OCT	3	4.0	13:	2									
12 OCT	3	3.0	13:	1	24:	1							
13 OCT	1	3.0	1:	3	6:	1							
14 OCT	1	3.0	1:	1	3:	1	12:	2					
24 OCT	2	3.0	3:	1	6:	1	13:	3					
25 OCT	2	4.0	3:	2	6:	1	12:	1					
27 OCT	2	4.0	1:	1	3:	1	4:	1					
			5:	4									
1 NOV	2	6.0	5:	26	120:	24	121:	3					
2 NOV	2	3.0	5:	6	120:	2	121:	1					
4 NOV	2	4.0											
10 NOV	1	3.0	5:	2	12:	1							
30 NOV	2	3.0	6:	7									
30 NOV	1	2.0	5:	11									
1 DEC	2	7.0	1:	15	6:	8							

APPENDIX TABLE 8. LOGGED 1983 NON-TROLLING CATCH AND EFFORT FROM NORTHEAST FLORIDA

DATE	ZONE	HOURS FISHED	-- CATCH PER SPECIES --						DATE	ZONE	HOURS FISHED	-- CATCH PER SPECIES --					
3 APR	4	6.0	5:	4	15:	5	36:	2	4 AUG	2	6.0	36:	3	45:	4		
			43:	1	45:	28	48:	4	5 AUG	1	6.0	34:	6	45:	1		
			90:	6					11 AUG	1	4.5	36:	3	45:	3		
4 APR	4	8.0	5:	3	15:	2	36:	3	17 AUG	1	3.5	36:	2				
			45:	15	48:	5	90:	4	21 AUG	6	3.0	15:	10	62:	6		
9 APR	4	8.5	5:	5	15:	3	36:	2	17 SEP	1	5.0	4:	3	27:	4		
			45:	5	48:	3	90:	8	26 SEP	1	4.0	45:	6	58:	5		
10 APR	4	8.0	15:	3	36:	2	45:	4	27 SEP	1	4.5	45:	7	58:	4		
			48:	6					1 OCT	1	5.0	4:	2	45:	4		
10 APR	3	4.0	5:	3	6:	4	15:	2				70:	2				
			17:	2	60:	10	76:	6	2 OCT	3	6.0	15:	65	50:	2		
11 APR	4	8.5	15:	4	36:	2	45:	3	5 OCT	3	3.0	15:	20				
			48:	8					19 OCT	1	4.0	12:	6	45:	10		
16 APR	1	6.0	5:	4	45:	18	58:	1	21 OCT	1	3.5	4:	2	15:	2		
			90:	16	93:	2						58:	6	70:	2		
17 APR	1	7.5	5:	1	43:	2	45:	15	2 NOV	1	3.0	15:	4	45:	8		
			90:	17	93:	2			3 NOV	1	4.0	4:	3	58:	3		
20 APR	3	4.0	15:	75	50:	3			8 NOV	1	4.0	4:	2	58:	13		
22 APR	3	6.0	15:	130	50:	5			10 NOV	1	3.0	4:	6	58:	6		
27 APR	3	3.5	15:	53	30:	5	50:	4	11 NOV	1	3.0	5:	5	58:	7		
28 APR	1	3.0	5:	3	12:	4	90:	4	12 NOV	1	5.0	4:	4	5:	6		
29 APR	3	6.0	14:	1	15:	50	30:	30	14 NOV	1	5.0	4:	5	15:	3		
30 APR	1	3.0	34:	4	70:	1	90:	6	16 NOV	1	4.0	4:	3	58:	7		
3 MAY	3	3.0	3:	1	15:	65	30:	6	19 NOV	1	5.0	4:	5	58:	13		
			50:	2	76:	6			20 NOV	1	4.0	4:	5	5:	6		
6 MAY	3	3.5	3:	1	15:	73	30:	3	21 NOV	1	5.0	4:	6	5:	10		
21 MAY	3	4.0	15:	70	30:	1						70:	2				
22 MAY	3	3.0	15:	100					22 NOV	1	6.0	4:	2	5:	10		
28 MAY	2	2.0	2:	1	15:	25	17:	1	23 NOV	1	4.0	4:	1	5:	9		
1 JUN	1	6.0	9:	1	12:	2	36:	1	25 NOV	1	5.0	4:	1	5:	20		
			45:	6	90:	10			27 NOV	1	5.0	4:	2	5:	35		
3 JUN	1	6.0	5:	1	36:	1	45:	10	28 NOV	1	4.0	4:	2	5:	7		
			90:	11					30 NOV	1	3.0	4:	3	5:	7		
4 JUN	3	6.0	15:	175	50:	12	76:	4									
18 JUN	2	5.0	36:	5													
19 JUN	2	5.0	36:	4													
20 JUN	2	6.0	36:	2													
21 JUN	2	3.0	36:	3													
26 JUN	3	4.0	15:	55	50:	4											
27 JUN	2	4.0	36:	4													
28 JUN	3	8.0	15:	50	50:	2											
2 JUL	2	1.0	45:	9													
3 JUL	2	3.0	36:	3													
13 JUL	2	4.0	36:	3	45:	7	90:	4									
16 JUL	3	4.0	1:	2	13:	1	15:	100									
27 JUL	2	4.0	1:	10													
3 AUG	1	6.0	34:	9													

APPENDIX TABLE 9. LOGGED 1983 TROLLING CATCH AND EFFORT FROM EAST FLORIDA

DATE	ZONE	HOURS FISHED	-- CATCH PER SPECIES --				DATE	ZONE	HOURS FISHED	-- CATCH PER SPECIES --							
2 MAR	6	4.0	1:	1	11:	3	23:	1	5 APR	3	7.0+	68:	2				
			24:	2	68:	2			5 APR	3	4.0	5:	9	8:	1	11:	1
3 MAR	6	7.5	7:	11	11:	5	29:	1	5 APR	3	2.0	8:	3				
			68:	3					5 APR	3	0.5						
4 MAR	6	4.0	1:	2	7:	7	11:	3	6 APR	3	3.0	6:	2				
			13:	1	68:	1			6 APR	3	2.5	1:	3				
5 MAR	6	4.0	7:	4	11:	3	24:	3	6 APR	3	1.5	8:	2	86:	1		
7 MAR	6	7.0	1:	2	5:	4	24:	1	6 APR	3	4.0	1:	1	5:	3	8:	1
			39:	1	68:	3						11:	3				
8 MAR	6	7.5	1:	1	5:	1	7:	14	6 APR	3	7.0	11:	1	23:	1	24:	12
			8:	1	11:	9			6 APR	2	3.0	3:	44				
9 MAR	6	4.0	2:	1	7:	27	11:	7	7 APR	6	3.5	2:	2				
10 MAR	6	7.0	1:	9	11:	3	22:	1	7 APR	3	6.0	5:	7	24:	6		
11 MAR	6	7.5	1:	3	8:	2	11:	5	7 APR	3	2.0	2:	1	8:	4		
			17:	2	19:	1			7 APR	3	2.5	8:	1				
13 MAR	6	4.0	8:	5	11:	2	22:	1	7 APR	3	2.0						
16 MAR	6	4.0	1:	2	7:	13	11:	9	8 APR	3	2.5	8:	9				
21 MAR	6	6.0	1:	3	5:	4	8:	2	8 APR	3	3.5	24:	9				
			24:	3					9 APR	3	4.0	24:	3				
23 MAR	6	4.0	1:	1	11:	2			9 APR	3	7.0	24:	10	68:	3		
24 MAR	6	4.0	7:	12	11:	7	60:	1	9 APR	3	2.5	1:	5	8:	4	17:	1
25 MAR	6	4.0	1:	1	7:	7	11:	2	10 APR	3	5.0	1:	15	5:	1	8:	17
26 MAR	6	4.0	1:	2	60:	1						17:	1				
29 MAR	6	7.5	1:	10	8:	1	11:	3	10 APR	6	7.5	1:	3	13:	2		
30 MAR	6	7.0	1:	6	11:	2	39:	1	10 APR	3	2.0	1:	12	8:	7		
30 MAR	3	1.0	8:	5					11 APR	3	3.0	5:	2	8:	3		
31 MAR	3	4.5	8:	6	22:	2	24:	1	12 APR	3	3.0	1:	20	8:	1		
31 MAR	6	4.0	1:	2	11:	3	24:	1	12 APR	3	3.5	1:	12	6:	3		
1 APR	6	5.0	1:	5	11:	8	24:	2	13 APR	3	4.0	1:	7	5:	1	6:	4
1 APR	6	5.5	7:	10	11:	9	13:	2	13 APR	3	4.0	1:	37	5:	2	8:	2
			39:	2					13 APR	3	5.0	1:	24	8:	10		
1 APR	3	3.5	1:	4	8:	4			14 APR	6	5.0	1:	9	11:	3		
1 APR	3	3.0							15 APR	6	4.0	1:	11	11:	1		
2 APR	6	7.0	11:	3	13:	6	19:	1	15 APR	6	2.5	1:	4	11:	3	21:	1
3 APR	3	4.0	1:	2	8:	1	11:	2				24:	8				
			24:	1					16 APR	3	3.5	22:	1	24:	5		
3 APR	3	5.0	1:	3	8:	14			16 APR	6	2.0	1:	1	8:	1		
3 APR	3	2.5	8:	6	13:	1			16 APR	3	7.0	5:	2	24:	1	39:	1
3 APR	3	1.0							17 APR	3	4.5	1:	13	6:	25	13:	1
4 APR	3	1.0							17 APR	3	2.0	1:	18	5:	1	8:	6
4 APR	3	2.0	1:	6	8:	5			18 APR	3	2.5	1:	23	5:	3	8:	2
4 APR	3	2.5	1:	2	3:	1	8:	2	18 APR	3	4.0	1:	1	5:	8	6:	4
4 APR	3	7.0	8:	3					18 APR	6	4.0	1:	5	8:	3	39:	1
4 APR	6	7.5	1:	3	8:	2	11:	4	19 APR	3	2.5	6:	3				
			24:	7					19 APR	3	2.0	1:	16	5:	5	8:	6
4 APR	6	3.0	11:	4	12:	1	68:	1	19 APR	6	3.0	1:	4	12:	3		
5 APR	3	7.0	11:	3	24:	6	39:	2	19 APR	2	4.0	3:	48	5:	16	7:	3

APPENDIX TABLE 9 (CONTINUED).

DATE	ZONE	HOURS FISHED	-- CATCH PER SPECIES --				DATE	ZONE	HOURS FISHED	-- CATCH PER SPECIES --			
			1:	2:	5:	11:				1:	2:	9:	11:
20 APR	6	2.0	1:	2:	5:	11:	4 MAY	6	3.5	1:	2:	9:	11:
20 APR	3	1.0								39:	1:		
21 APR	3	4.0	1:	4:	5:	6:	4 MAY	2	3.0	13:	1:		
			36:	1:	46:	1:							
21 APR	3	2.0	1:	1:	8:	12:	5 MAY	3	3.5	8:	2:	11:	24:
21 APR	3	5.5	1:	3:	6:	25:	5 MAY	3	3.5	24:	9:		
21 APR	6	7.5	1:	2:	8:	23:	6 MAY	6	7.0	1:	9:	6:	11:
			24:	7:	39:	1:				24:	6:		
22 APR	3	3.5	8:	1:	24:	14:	6 MAY	6	7.0	1:	11:		
22 APR	3	3.0	1:	5:	3:	3:	6 MAY	3	3.0	3:	1:	39:	1:
			6:	11:						1:	4:	5:	8:
23 APR	3	4.0	24:	2:	55:	1:	6 MAY	3	3.0	1:	3:	3:	6:
23 APR	2	4.0					7 MAY	3	2.0	1:	1:	3:	6:
25 APR	6	5.0	1:	11:	8:	11:				12:	1:		
26 APR	6	3.5	1:	2:	8:	2:	7 MAY	3	5.5	1:	2:	5:	8:
26 APR	3	2.5	1:	1:	3:	6:				22:	1:	24:	1:
			8:	1:	12:	1:	7 MAY	3	3.0	1:	3:	6:	15:
26 APR	6	6.0	1:	7:	5:	3:	7 MAY	3	3.0	1:	14:	11:	2:
			24:	5:			7 MAY	6	6.5	1:	7:	6:	23:
27 APR	6	2.5	5:	1:	24:	2:				24:	2:		
27 APR	3	6.0	6:	3:	7:	1:	8 MAY	1	1.0	5:	3:	9:	100:
27 APR	6	3.5	1:	1:	11:	1:	8 MAY	3	3.5	6:	15:		
27 APR	3	5.0	1:	3:	2:	3:	8 MAY	3	4.0	1:	3:	3:	1:
			8:	15:			8 MAY	3	3.0	1:	1:	6:	16:
28 APR	3	5.0	22:	1:			9 MAY	3	2.0	1:	5:	6:	17:
28 APR	3	3.5	5:	1:	24:	1:	9 MAY	3	2.0				
28 APR	3	3.0	2:	1:	6:	15:	10 MAY	3	2.5	1:	2:	6:	7:
28 APR	6	2.5	1:	5:			10 MAY	6	4.0	1:	9:	8:	2:
29 APR	2	3.0					10 MAY	3	6.0	1:	1:	22:	24:
29 APR	6	4.0	1:	5:	11:	7:	11 MAY	3	4.5	1:	2:	8:	12:
30 APR	3	6.0	1:	1:	3:	1:				24:	14:		
30 APR	3	5.0	1:	35:	8:	7:	11 MAY	6	3.5	1:	11:	8:	11:
30 APR	3	2.0	1:	5:	6:	5:	11 MAY	3	3.0				
1 MAY	3	1.0	6:	3:			11 MAY	3	2.0	1:	1:	3:	1:
1 MAY	3	5.5	1:	10:	3:	5:	12 MAY	3	7.0	1:	4:	6:	24:
			8:	20:			12 MAY	6	4.0	1:	7:	11:	1:
1 MAY	3	1.5	1:	3:	6:	3:	12 MAY	3	6.0	22:	1:	24:	3:
1 MAY	1	3.0	5:	7:	6:	1:	13 MAY	3	5.0	1:	6:	3:	8:
2 MAY	3	4.0	1:	2:	2:	3:	13 MAY	3	2.0	1:	6:	3:	6:
			5:	2:			13 MAY	6	3.0	1:	9:	11:	3:
2 MAY	3	5.5	1:	12:	3:	7:	13 MAY	3	3.5	6:	8:	24:	1:
			8:	12:	11:	1:	13 MAY	6	4.0	1:	19:	5:	6:
3 MAY	6	6.0	1:	3:	9:	2:	14 MAY	6	3.5	1:	3:	24:	2:
			23:	1:			14 MAY	3	3.0	1:	1:	5:	6:
3 MAY	2	1.5	1:	2:						23:	1:		
4 MAY	2	2.0					14 MAY	3	1.0	1:	1:	3:	6:
4 MAY	3	3.0	13:	1:			14 MAY	3	1.0	1:	3:	3:	8:

APPENDIX TABLE 9 (CONTINUED).

DATE	ZONE	HOURS FISHED	— CATCH PER SPECIES —						DATE	ZONE	HOURS FISHED	— CATCH PER SPECIES —					
15 MAY	3	2.0	1:	4	3:	1	6:	6	29 MAY	6	7.5+	24:	7				
15 MAY	6	3.5	1:	7	6:	5			29 MAY	3	0.5	1:	1				
16 MAY	3	4.0	1:	4	3:	3	6:	11	29 MAY	3	6.0	23:	3	24:	2		
16 MAY	6	4.0	1:	3	2:	1	11:	1	29 MAY	3	6.0	1:	6	3:	1	6:	6
			23:	5	24:	2						7:	1				
17 MAY	3	4.5	1:	4	5:	3	6:	2	30 MAY	3	4.0	1:	4	3:	1		
			7:	1	24:	4			30 MAY	6	4.0	1:	13	8:	3	23:	1
20 MAY	3	4.0	1:	4	3:	7	5:	3	30 MAY	3	6.0	22:	2				
			6:	3	7:	1	12:	1	31 MAY	3	2.5	1:	2	3:	1	8:	8
20 MAY	6	4.0	1:	5	8:	2	11:	3	31 MAY	6	7.5	1:	11	8:	1	11:	1
21 MAY	3	5.0	1:	3	6:	7	7:	4	1 JUN	6	4.0	1:	17				
			24:	5					1 JUN	3	4.5	1:	7	6:	12	24:	1
22 MAY	3	3.0	1:	2					1 JUN	3	4.0	1:	22	3:	1	6:	5
22 MAY	3	4.0	1:	4	3:	4	5:	1				24:	1				
			6:	14	7:	1			1 JUN	6	2.0	1:	1	6:	3	24:	4
23 MAY	3	4.0	1:	10	3:	8	6:	4	2 JUN	6	3.0	6:	6	22:	1	24:	9
			7:	1	11:	1			2 JUN	3	2.0	1:	2	3:	5	11:	1
23 MAY	3	5.0	1:	5	3:	2	6:	11	2 JUN	3	4.5	1:	5	8:	5		
			12:	1	13:	2			2 JUN	3	5.0	1:	10	6:	4	24:	1
23 MAY	6	6.0	1:	17					2 JUN	6	4.0	1:	6	7:	2	8:	1
24 MAY	3	5.0	1:	10	3:	1	6:	7				22:	1				
24 MAY	6	3.5	1:	11	8:	1	11:	1	3 JUN	3	4.0	1:	7	6:	6	24:	1
			24:	2					3 JUN	3	2.0	1:	3	8:	2		
24 MAY	3	4.5	1:	3	3:	1	6:	8	4 JUN	3	5.0	1:	10	3:	5	8:	6
			7:	1	12:	1	68:	1				13:	1				
			72:	1					4 JUN	3	4.0	1:	24	3:	1	6:	4
25 MAY	6	4.0	1:	9	8:	2	11:	3	4 JUN	3	5.5	1:	3	13:	2		
			65:	2					4 JUN	3	3.0	6:	1	12:	1	24:	1
25 MAY	3	3.0	6:	2					4 JUN	6	5.0	1:	2	8:	2	10:	2
25 MAY	3	2.0	1:	2	3:	2	6:	1				13:	1				
			11:	1	17:	1			4 JUN	3	3.5	11:	3	23:	1	24:	5
25 MAY	6	2.0	1:	5	11:	2			4 JUN	2	4.0	12:	1	24:	3		
26 MAY	6	1.5	1:	4	11:	1			5 JUN	6	3.5	1:	2	6:	1	11:	4
26 MAY	3	3.5	1:	1	5:	3	6:	3				23:	1	24:	5		
			7:	1	11:	1	12:	1	5 JUN	6	7.0	1:	2	24:	3		
26 MAY	3	4.0	1:	1	3:	1	6:	6	5 JUN	3	6.0	1:	12	3:	2	6:	4
			7:	2	11:	2						7:	1	11:	1		
27 MAY	3	4.0	1:	1	6:	3			5 JUN	3	3.5	1:	28	3:	3	6:	2
27 MAY	3	6.0	24:	3					6 JUN	3	4.0	1:	11	3:	1	6:	10
27 MAY	6	4.0	1:	17	65:	1			6 JUN	3	1.5	1:	6	6:	7		
28 MAY	6	4.0	1:	15	11:	1	65:	1	7 JUN	3	2.5	1:	6	3:	2	5:	1
			68:	3								6:	2	7:	3	11:	1
28 MAY	3	6.0	21:	2	24:	2			7 JUN	3	1.0	1:	3	6:	1		
28 MAY	3	4.0	1:	11	5:	7	39:	1	8 JUN	3	5.0	1:	8	3:	1	5:	1
28 MAY	3	8.0	11:	1	24:	13						6:	10	7:	3	11:	1
28 MAY	3	6.0	1:	1	6:	3						13:	1	36:	1		
29 MAY	6	7.5	1:	9	6:	5	11:	4	9 JUN	3	3.5	1:	3	5:	3	11:	1

APPENDIX TABLE 9 (CONTINUED).

DATE	ZONE	HOURS FISHED	-- CATCH PER SPECIES --			DATE	ZONE	HOURS FISHED	-- CATCH PER SPECIES --								
10 JUN	3	7.0	6:	1	11:	2	22:	1	21 JUN	3	4.5	1:	15	3:	3	8:	4
			39:	1								24:	1				
10 JUN	6	3.5	1:	1	24:	4			21 JUN	3	2.0	1:	6	11:	1		
11 JUN	6	3.5	1:	1	6:	6	23:	1	22 JUN	3	3.0	1:	8	6:	9		
			24:	2	39:	1			22 JUN	3	1.0	3:	1				
11 JUN	3	5.5	1:	1	3:	6	6:	8	22 JUN	3	6.0	24:	59				
11 JUN	3	4.0	1:	4	3:	1	7:	1	23 JUN	3	7.5	24:	47				
			8:	10					23 JUN	3	2.0	3:	2	6:	1		
12 JUN	3	4.5	1:	1	3:	2	7:	1	23 JUN	3	5.5	1:	10	3:	4	8:	9
			8:	14								11:	3	22:	1	24:	2
12 JUN	3	2.0	3:	1	6:	2			23 JUN	3	6.0	1:	4	6:	2	16:	6
12 JUN	3	3.5	1:	7	6:	5	24:	1				24:	3				
12 JUN	6	7.5	1:	3	6:	5	11:	5	24 JUN	3	4.5	1:	12	3:	4	8:	7
			23:	1	24:	2	39:	1				11:	4	13:	4		
13 JUN	6	3.5	6:	2	24:	19			24 JUN	3	3.0	6:	2	11:	1	24:	42
13 JUN	3	3.5	1:	4	3:	1	6:	6	25 JUN	6	3.0	6:	1	11:	1	24:	1
14 JUN	3	1.0	1:	2	6:	4			25 JUN	3	4.5	1:	8	3:	4	8:	3
14 JUN	3	3.0	1:	2	3:	6	6:	1				11:	4	22:	1		
15 JUN	3	3.0	1:	2	6:	5			25 JUN	3	4.0	1:	6	3:	3		
15 JUN	3	2.5	1:	1	8:	2	11:	3	25 JUN	3	3.5	1:	3	6:	3	11:	2
15 JUN	3	3.0	1:	4	3:	1	6:	1				24:	2				
16 JUN	3	2.0	1:	6	6:	5	11:	1	26 JUN	3	4.0	1:	8	2:	2	6:	7
16 JUN	3	4.5	1:	6	8:	3	13:	1				11:	1	12:	2	24:	1
16 JUN	3	3.0	1:	4	6:	4						39:	1				
16 JUN	3	5.0	11:	1	24:	4			26 JUN	3	2.5	1:	2	6:	2		
17 JUN	3	2.0	1:	5	6:	2	11:	1	26 JUN	3	4.5	1:	7	3:	4	8:	5
17 JUN	3	2.5	1:	3	8:	1			26 JUN	3	4.0	7:	7	11:	17		
17 JUN	3	5.5	1:	6	6:	5			27 JUN	3	3.5	24:	28				
17 JUN	3	5.0	22:	1	24:	2			27 JUN	3	2.0	1:	1	6:	2	11:	1
18 JUN	6	4.0	8:	2	24:	1			27 JUN	3	4.0	1:	6	6:	3	11:	3
18 JUN	3	2.0	6:	1	13:	1			27 JUN	6	4.0	1:	2	8:	1	11:	2
18 JUN	3	4.5	1:	3	3:	2	7:	1				24:	6				
			8:	4	24:	2			28 JUN	3	4.5	1:	6	3:	3	8:	6
18 JUN	3	3.0	1:	5	3:	1			28 JUN	3	2.0	2:	1	11:	3	24:	7
18 JUN	3	6.0	6:	3	24:	7			29 JUN	3	4.5	1:	8	7:	2	8:	2
18 JUN	6	3.5	1:	4	6:	6	23:	3	29 JUN	3	4.0	1:	3	6:	5	7:	1
			24:	3					29 JUN	3	4.5	1:	11	6:	7		
19 JUN	3	3.0	1:	1	3:	3	6:	2	30 JUN	3	2.0	1:	4	6:	1		
			11:	2					30 JUN	6	4.0	11:	1	19:	1	23:	2
19 JUN	3	4.5	1:	3	22:	1	24:	1				24:	1				
19 JUN	3	4.5	1:	17	6:	2	24:	2	30 JUN	3	4.0	1:	4	6:	7	24:	3
			78:	1					30 JUN	3	2.0	1:	1	3:	1	7:	2
19 JUN	6	5.0	11:	1	24:	2	68:	1				11:	2	13:	1		
20 JUN	3	5.0	1:	10	6:	2	11:	1	1 JUL	3	4.5	1:	2	3:	6	7:	2
20 JUN	3	4.5	1:	6	3:	6	8:	2				8:	5				
			11:	3	13:	2	36:	1	1 JUL	6	7.0	24:	17				
20 JUN	3	3.0	1:	2	3:	5	6:	1	2 JUL	3	2.0	1:	3	11:	1	24:	4

APPENDIX TABLE 9 (CONTINUED).

DATE	ZONE	HOURS FISHED	-- CATCH PER SPECIES --				DATE	ZONE	HOURS FISHED	-- CATCH PER SPECIES --					
2 JUL	3	4.5	1:	3	8:	7	11 JUL	3	2.0	1:	2	6:	1	11:	2
2 JUL	3	1.0	6:	1			12 JUL	3	4.5	1:	20	6:	4	13:	1
2 JUL	6	3.5	2:	5	6:	4	12 JUL	3	3.0	1:	7	6:	2	11:	6
			24:	2			12 JUL	6	3.5	6:	7	11:	3		
3 JUL	3	1.5	1:	3	6:	1	13 JUL	3	4.0	1:	12	3:	4	8:	20
3 JUL	3	2.5	8:	1	11:	2				11:	4				
3 JUL	3	5.0	1:	23	6:	25	13 JUL	3	1.5	6:	1	11:	2		
3 JUL	6	3.0					13 JUL	6	2.5	8:	5	11:	1		
3 JUL	6	7.5	8:	12	11:	1	24:	3	3.5	1:	1	8:	2	11:	2
4 JUL	6	7.0	6:	2	7:	1	11:	3		24:	6				
4 JUL	6	7.5	8:	11	11:	3	22:	1	14 JUL	3	2.0	1:	4	6:	1
			24:	7					14 JUL	3	4.0	1:	6	3:	1
4 JUL	3	4.0	1:	1							11:	7			
4 JUL	3	2.5	1:	2	8:	1	14 JUL	3	5.0	1:	9	6:	18		
4 JUL	3	2.0	1:	1	6:	3	11:	1	15 JUL	3	1.5	1:	2	6:	1
5 JUL	3	3.0	1:	2	6:	6	11:	3	15 JUL	3	4.5	1:	9	3:	3
5 JUL	3	4.5	1:	2	8:	7	11:	3			11:	2			
5 JUL	3	2.0	1:	5	6:	9			15 JUL	3	2.0	1:	2	6:	2
5 JUL	6	6.0	8:	9	11:	1	24:	2	15 JUL	6	4.0	24:	2		
5 JUL	6	3.5	1:	2	7:	5	8:	2	15 JUL	6	3.0	6:	1	11:	6
			11:	1	24:	4			16 JUL	6	3.5	1:	1	6:	9
6 JUL	6	9.0	8:	15	24:	13			16 JUL	6	5.0	24:	7		
6 JUL	3	2.5	6:	4					16 JUL	3	5.5	1:	6	6:	4
6 JUL	3	4.0	1:	1	8:	3	11:	1	16 JUL	3	2.0	1:	3	6:	12
6 JUL	3	4.0	1:	10	6:	19	11:	1	16 JUL	3	4.5	1:	4	3:	7
7 JUL	3	4.0	1:	3	8:	5	11:	2			11:	4			
7 JUL	3	3.0	1:	3	6:	13	11:	3	17 JUL	3	4.0	1:	10	3:	1
7 JUL	3	6.0	1:	2	6:	1	7:	1	17 JUL	3	3.0	1:	2	6:	9
			68:	1							24:	2			
7 JUL	6	7.5	8:	2	24:	7			17 JUL	3	4.0	1:	2	8:	10
8 JUL	6	8.0	8:	6	11:	2	24:	6			22:	1			
8 JUL	3	4.5	11:	3					17 JUL	6	3.5	1:	1	6:	7
8 JUL	3	4.0	1:	3	6:	4	11:	3			11:	4	23:	1	
8 JUL	6	3.5	8:	10	24:	2			18 JUL	2	1.5	1:	2		
9 JUL	3	4.0	1:	8	6:	2	11:	1	18 JUL	3	5.5	1:	4	3:	2
9 JUL	3	2.5	1:	2							11:	3			
9 JUL	6	4.0	8:	2	24:	3			18 JUL	3	4.0	8:	1	11:	18
9 JUL	3	2.0	1:	1	6:	3	11:	3	18 JUL	3	3.0	6:	11	11:	1
10 JUL	3	1.0	1:	3	6:	3	11:	1	19 JUL	3	2.0	1:	3	6:	8
10 JUL	3	7.0	6:	1	11:	1	24:	4	19 JUL	3	4.0	11:	7	39:	2
10 JUL	3	4.5	1:	4	3:	6	8:	7	19 JUL	3	2.0	1:	1	3:	1
			11:	4	13:	1	39:	1	19 JUL	3	7.0	1:	1	6:	2
10 JUL	6	5.0	6:	20	11:	1			19 JUL	6	7.5	22:	1	23:	1
11 JUL	3	3.0	1:	1	6:	1	11:	1	20 JUL	3	4.0	1:	5	8:	15
11 JUL	3	4.5	1:	2	3:	2	8:	15	20 JUL	3	3.0	1:	10	6:	24
			11:	6					20 JUL	3	2.5	24:	3	39:	2
11 JUL	3	7.0	1:	4	6:	6			21 JUL	3	3.0	1:	2	6:	27

APPENDIX TABLE 9 (CONTINUED).

DATE	ZONE	HOURS FISHED	— CATCH PER SPECIES —			DATE	ZONE	HOURS FISHED	— CATCH PER SPECIES —		
21 JUL	3	4.0	11: 2	13: 2	15: 13	31 JUL	3	3.0	1: 12	6: 9	
21 JUL	3	3.5	1: 4	8: 21	39: 1	1 AUG	3	3.0	1: 10	3: 3 6: 7	
21 JUL	3	3.0	6: 3	11: 2					11: 1		
21 JUL	6	3.5	1: 5	6: 9	7: 1	1 AUG	3	4.5	1: 12	3: 4 8: 16	
			11: 2	24: 6					11: 2	24: 1	
22 JUL	6	3.5	1: 1	6: 12	24: 2	1 AUG	3	4.0	1: 2	3: 3 6: 10	
			39: 2						11: 1		
22 JUL	3	1.0	1: 2			1 AUG	6	6.5	1: 6	6: 10 11: 5	
22 JUL	3	3.5	1: 8	8: 10	11: 3				24: 4		
22 JUL	3	3.0	1: 3	6: 12	11: 1	2 AUG	3	4.5	1: 10	3: 6 8: 12	
23 JUL	3	4.5	1: 6	3: 2	8: 1				11: 3		
			24: 3			2 AUG	3	3.0	1: 2	6: 13	
23 JUL	3	4.0	1: 3	6: 8	11: 2	2 AUG	3	3.0	1: 15	6: 16 11: 2	
23 JUL	3	4.0	1: 4	3: 2	6: 7	2 AUG	6	4.0	8: 17	11: 2 13: 1	
			11: 2						24: 2		
23 JUL	3	4.0	24: 13	39: 1		3 AUG	6	7.0	1: 2	8: 21 11: 1	
24 JUL	6	5.0	1: 2	8: 7	22: 1				65: 1		
			24: 5	39: 3		3 AUG	3	5.0	1: 10	3: 3 6: 15	
24 JUL	3	4.5	1: 7	3: 1	8: 9				11: 2		
24 JUL	3	4.0	1: 12	3: 5	6: 13	3 AUG	3	2.0	1: 1	8: 5 11: 1	
			11: 2	36: 1		3 AUG	3	4.0	1: 4	3: 2 6: 10	
24 JUL	6	3.5	1: 3	6: 9	11: 2				11: 3		
25 JUL	6	4.5	1: 1	6: 6	11: 8	3 AUG	6	3.0	1: 9	6: 16 22: 1	
			22: 1			4 AUG	6	3.5	1: 2	6: 7 7: 4	
25 JUL	3	4.0	1: 3	3: 4	6: 17				39: 1		
			11: 4	12: 1	13: 1	4 AUG	3	4.5	1: 18	8: 22 11: 4	
25 JUL	3	4.0	1: 12	8: 3	11: 4	4 AUG	3	4.0	1: 2	3: 1 6: 23	
			24: 3						11: 5		
25 JUL	3	4.0	1: 6	6: 3	11: 6	4 AUG	3	6.0	1: 12	6: 10 7: 2	
26 JUL	3	4.0	1: 4	3: 2	6: 9				11: 2	24: 1	
			11: 4			4 AUG	6	4.0	1: 11	8: 3 24: 1	
26 JUL	6	3.5	1: 9	2: 1	8: 11	5 AUG	3	2.0	1: 6	6: 8	
26 JUL	3	4.0	1: 15	8: 7		5 AUG	3	4.5	1: 17	8: 18 11: 7	
26 JUL	6	3.5	1: 5	6: 4	11: 3	5 AUG	3	5.0	1: 27	6: 19 7: 1	
			24: 4						11: 1		
27 JUL	6	6.0	1: 4	6: 13	11: 7	5 AUG	3	3.5	6: 5	24: 19	
			17: 1	23: 2	24: 7	6 AUG	6	5.0	1: 10	8: 3 11: 1	
27 JUL	3	4.5	24: 4	39: 1		6 AUG	6	3.5	1: 6	6: 7 11: 4	
27 JUL	3	2.0	1: 4	6: 3	11: 1				24: 5		
27 JUL	6	4.0	1: 4	8: 13	24: 1	6 AUG	3	5.5	11: 4	24: 2	
27 JUL	3	7.0	1: 16	6: 6	24: 1	6 AUG	3	4.0	1: 20	6: 17	
			39: 1			6 AUG	2	3.5	6: 2		
28 JUL	6	4.0	1: 2	11: 1	24: 3	6 AUG	3	6.0	1: 17	6: 4 24: 1	
			39: 1			7 AUG	3	4.0	1: 3	3: 1 6: 12	
28 JUL	3	4.5	22: 1	24: 5					11: 4	24: 1	
30 JUL	6	7.0	1: 19	8: 4		7 AUG	3	3.0	1: 2	6: 10 11: 1	
31 JUL	6	4.0	8: 11	11: 1	39: 1				36: 1		

APPENDIX TABLE 9 (CONTINUED).

DATE	ZONE	HOURS FISHED	-- CATCH PER SPECIES --			DATE	ZONE	HOURS FISHED	-- CATCH PER SPECIES --		
7 AUG	3	4.0	1: 14	7: 2	8: 21	16 AUG	3	2.0	3: 3	6: 7	
			24: 1			16 AUG	6	4.0	1: 5	8: 9	11: 2
7 AUG	6	7.0	1: 10	11: 3	24: 1			39: 1			
7 AUG	6	3.5	1: 4	6: 6	24: 7	16 AUG	6	3.5	2: 3	6: 22	11: 6
7 AUG	3	2.5	6: 2					39: 1			
8 AUG	6	4.0	1: 9	6: 5	11: 6	16 AUG	3	3.0	78: 5		
			39: 1			17 AUG	6	3.5	6: 18	11: 11	22: 1
8 AUG	3	4.0	1: 12	8: 16		17 AUG	3	3.0	1: 4	6: 17	11: 1
8 AUG	3	4.0	1: 6	3: 1	6: 18	17 AUG	3	4.5	1: 20	3: 1	8: 13
			78: 1			17 AUG	3	5.0	1: 20	3: 2	6: 14
9 AUG	3	4.0	1: 8	6: 24	11: 5			22: 1			
9 AUG	3	4.0	1: 18	8: 13	11: 1	18 AUG	3	4.5	1: 18	8: 14	
9 AUG	3	5.0	1: 12	3: 2	6: 5	18 AUG	3	4.0	1: 4	6: 28	11: 1
			7: 1	11: 7	36: 1	18 AUG	6	2.5	2: 1	6: 12	11: 3
9 AUG	6	4.5	1: 1	6: 9	11: 7	19 AUG	6	4.0	1: 1	8: 19	24: 1
9 AUG	3	6.5	6: 2	11: 1				25: 1			
10 AUG	3	6.5	1: 2	6: 8	24: 2	19 AUG	6	1.5	6: 7	24: 4	
10 AUG	6	2.0	1: 3	6: 12		19 AUG	3	4.0	1: 10	6: 19	11: 1
10 AUG	3	5.0	1: 14	6: 9	11: 9	19 AUG	3	4.5	1: 23	8: 12	
10 AUG	3	4.0	1: 26	7: 1	8: 15	19 AUG	3	5.5	1: 26	3: 2	6: 13
			11: 4	24: 1				11: 2	22: 1		
11 AUG	3	3.0	1: 5	6: 16	11: 1	20 AUG	3	5.0	1: 19	3: 6	6: 10
11 AUG	3	4.0	1: 28	8: 20	11: 2			11: 1	24: 2		
11 AUG	3	5.0	1: 17	6: 12	11: 12	20 AUG	3	7.0	8: 1	11: 1	24: 3
			24: 1	36: 1		20 AUG	3	4.0	1: 4	6: 24	11: 2
12 AUG	3	5.0	1: 12	3: 2	6: 8	20 AUG	3	4.5	1: 40	8: 21	
			11: 11	24: 1	36: 1	20 AUG	6	3.5	6: 19	22: 1	24: 1
12 AUG	3	4.0	1: 8	6: 29	11: 3			39: 1			
12 AUG	3	4.5	1: 54	8: 18	11: 10	21 AUG	6	4.0	1: 5	8: 19	
12 AUG	6	4.0	1: 2	6: 3	23: 1	21 AUG	3	4.5	1: 24	2: 1	3: 2
			24: 1	39: 1				8: 14			
13 AUG	3	6.5	6: 1	24: 3		21 AUG	3	5.0	1: 17	3: 6	6: 15
13 AUG	3	3.0	1: 8	3: 1	6: 19			36: 3			
			7: 1			22 AUG	3	8.0	1: 20	2: 2	3: 10
13 AUG	3	5.0	1: 8	3: 2	6: 8			6: 10	11: 2	24: 4	
			11: 2	24: 1	36: 1	22 AUG	3	4.5	1: 28	8: 7	
14 AUG	3	2.0	1: 4	3: 1	6: 20	22 AUG	3	4.0	1: 9	6: 16	11: 1
			7: 4	11: 4		22 AUG	6	6.5	1: 1	6: 4	11: 17
14 AUG	3	4.5	1: 28	3: 1	8: 40	22 AUG	6	4.0	1: 3	8: 11	24: 1
14 AUG	3	4.0	1: 3	6: 31		23 AUG	6	4.0	6: 6	11: 9	26: 2
14 AUG	3	6.5	6: 8	11: 1		23 AUG	3	4.5	1: 18	8: 10	
14 AUG	6	8.0	1: 2	8: 15	11: 1	23 AUG	3	4.0	1: 14	2: 1	3: 2
			22: 1	23: 2	24: 3			6: 21	11: 2		
			25: 1			23 AUG	3	2.0	1: 3	3: 2	6: 5
15 AUG	6	2.0	2: 1	6: 16	11: 9	24 AUG	3	4.0	1: 3	6: 14	11: 7
15 AUG	3	4.5	1: 24	3: 3	8: 28	24 AUG	6	4.0	1: 2	6: 6	7: 1
16 AUG	3	4.5	1: 31	3: 1	8: 11			11: 7	39: 1		

APPENDIX TABLE 9 (CONTINUED).

DATE	ZONE	HOURS FISHED	-- CATCH PER SPECIES --				DATE	ZONE	HOURS FISHED	-- CATCH PER SPECIES --			
25 AUG	6	4.0	1: 9	7: 13	22: 1	4 SEP	3	4.0+	11: 2				
26 AUG	3	2.0	1: 1	6: 8	11: 2	5 SEP	3	4.0	1: 13	3: 1	8: 10		
26 AUG	3	4.5	1: 9	3: 4	8: 7				11: 3	24: 3			
27 AUG	3	4.5	1: 8	3: 3	23: 2	5 SEP	3	2.0	1: 10	6: 4			
27 AUG	3	2.0	1: 6	6: 10	11: 2	5 SEP	3	2.5	1: 7	3: 1			
27 AUG	3	5.0	1: 15	3: 4	6: 20	6 SEP	3	3.0	1: 6	6: 10	11: 4		
27 AUG	6	3.5	1: 3	6: 11	11: 3	7 SEP	3	3.5	1: 2	6: 13	11: 2		
			24: 7			7 SEP	3	4.0	1: 18	8: 4	11: 4		
27 AUG	6	4.0	1: 7	7: 21	11: 2				24: 9				
28 AUG	6	3.5	6: 13	7: 2	11: 4	7 SEP	6	4.0	1: 2	8: 15	11: 3		
28 AUG	6	4.0	1: 6	8: 18	25: 2				22: 1	39: 1			
28 AUG	3	5.0	1: 13	3: 1	6: 15	8 SEP	6	4.0	1: 1	6: 5	11: 13		
			7: 1	11: 2	13: 4	8 SEP	3	4.0	1: 10	3: 3	8: 8		
28 AUG	3	2.0	1: 5	6: 8	11: 2				11: 1	24: 10			
28 AUG	3	4.5	1: 6	8: 12	11: 3	8 SEP	3	2.0	1: 3	6: 12	11: 1		
29 AUG	3	4.5	1: 2	8: 7	11: 2	9 SEP	3	4.0	1: 7	6: 14	11: 2		
29 AUG	3	2.0	1: 4	6: 9		9 SEP	6	4.0	1: 1	6: 2	11: 9		
29 AUG	6	2.5	1: 2	6: 9	11: 7	10 SEP	3	6.0	1: 5	11: 1			
30 AUG	6	3.5	1: 5	6: 8	11: 2	10 SEP	6	6.0	1: 2	7: 1	11: 25		
			39: 1			10 SEP	6	7.5	1: 9	8: 28	11: 6		
30 AUG	6	4.0	1: 1	8: 22	11: 2				22: 2				
30 AUG	3	0.5	1: 1	6: 2		10 SEP	3	4.0	1: 22	3: 1	6: 2		
30 AUG	3	5.0	1: 10	3: 2	6: 21				8: 7	11: 3			
			7: 3	13: 2	22: 1	10 SEP	3	4.0	1: 8	6: 12	11: 1		
31 AUG	3	2.0	1: 6	6: 10	11: 6	10 SEP	3	2.5	1: 6	6: 10			
1 SEP	3	5.0	1: 3	5: 1		10 SEP	3	7.0	1: 7	11: 2	24: 1		
2 SEP	6	3.0	1: 6	6: 6	11: 4	11 SEP	3	7.0	1: 1	8: 1	11: 1		
2 SEP	6	7.5	1: 3	8: 18	11: 5	11 SEP	3	5.0	1: 8	3: 2	6: 7		
			23: 2	24: 3	39: 2				24: 16				
2 SEP	3	4.5	1: 2	3: 3	7: 2	11 SEP	3	5.0	1: 6	6: 7	11: 7		
			8: 10	11: 3		11 SEP	3	4.5	1: 22	3: 6	7: 1		
3 SEP	3	4.5	1: 4	3: 6	8: 5				8: 5	9: 2			
			11: 2			11 SEP	6	6.0	1: 2	8: 19	11: 2		
3 SEP	3	4.0	1: 3	6: 12	11: 2				13: 1				
3 SEP	3	2.5	1: 3	6: 2	7: 2	11 SEP	3	2.0	1: 2	6: 2			
			11: 2			12 SEP	6	3.5	1: 4	6: 5	11: 13		
3 SEP	6	4.0	1: 1	8: 16	11: 2	12 SEP	3	5.0	1: 6	3: 16	6: 6		
			39: 1						11: 4	24: 2			
4 SEP	6	3.5	1: 4	6: 17	7: 1	13 SEP	3	5.0	1: 5	2: 1	3: 21		
			11: 3	24: 2					6: 10	7: 2	11: 2		
4 SEP	6	7.0	1: 5	8: 17	11: 2				22: 1	24: 3			
			13: 1			13 SEP	3	2.0	1: 1	3: 1	6: 2		
4 SEP	3	5.0	1: 4	24: 1	39: 1				11: 4				
4 SEP	3	5.0	1: 17	3: 3	6: 6	13 SEP	6	3.5	1: 9	6: 4	11: 5		
			11: 5	13: 1					22: 1				
4 SEP	3	2.0	1: 6	6: 1		14 SEP	6	4.0	8: 24	11: 1	38: 1		
4 SEP	3	4.0	1: 12	3: 2	8: 6	14 SEP	3	5.0	1: 8	3: 17	6: 11		

APPENDIX TABLE 9 (CONTINUED).

DATE	ZONE	HOURS FISHED	-- CATCH PER SPECIES --				DATE	ZONE	HOURS FISHED	-- CATCH PER SPECIES --			
14 SEP	3	5.0+	11:	1	36:	1	6 OCT	6	2.0	1:	12	11:	1
15 SEP	3	3.0	1:	2	3:	6	6 OCT	3	6.0	24:	6		
			7:	3	11:	1	6 OCT	3	3.0	13:	1	15:	3
15 SEP	3	4.0	8:	2	21:	1				76:	25	85:	2
			24:	2	39:	1	7 OCT	6	1.0	1:	2	6:	2
16 SEP	3	4.0	1:	21	3:	4	7 OCT	3	3.0	22:	1		
16 SEP	6	3.5	1:	2	6:	3	8 OCT	6	1.0	1:	2	11:	2
			22:	1			8 OCT	3	3.0	1:	2	24:	1
17 SEP	3	5.0	1:	3	6:	1	8 OCT	6	4.0	1:	1	24:	2
17 SEP	6	8.0	1:	3	8:	35	8 OCT	3	3.0	1:	2	6:	3
			22:	1	24:	2	9 OCT	3	5.0	1:	4	3:	1
17 SEP	3	2.0	6:	4						11:	1	12:	1
17 SEP	3	4.0	1:	12	3:	6	9 OCT	6	7.5	1:	11	8:	1
17 SEP	3	2.0	1:	2	3:	1				22:	1		
			11:	3	12:	1	10 OCT	6	2.0	1:	1	11:	1
18 SEP	3	4.0	1:	7	3:	6	10 OCT	3	3.0	1:	2	6:	1
			11:	1	24:	1	10 OCT	6	3.5	1:	5	6:	3
18 SEP	3	4.0	1:	7	8:	15				23:	3		
18 SEP	3	2.0	6:	3	11:	1	10 OCT	3	2.0	1:	2	6:	3
18 SEP	6	7.5	1:	3	8:	18	11 OCT	3	7.0	1:	7	6:	2
			24:	9			11 OCT	6	3.5	1:	3	6:	1
18 SEP	6	3.5	1:	5	6:	3				23:	1	24:	5
19 SEP	6	4.0	8:	11	11:	4	12 OCT	6	1.5	1:	2	6:	2
19 SEP	3	4.0	1:	13	3:	6	13 OCT	3	6.0	1:	6	11:	1
20 SEP	6	4.5	1:	3	6:	3	13 OCT	6	1.0	1:	7	6:	5
21 SEP	6	2.0	1:	2	11:	1	13 OCT	3	5.0	1:	5	3:	2
22 SEP	6	1.5	1:	1	6:	1				11:	3	12:	4
25 SEP	6	7.5	1:	4	8:	3	13 OCT	3	4.5	1:	2	8:	6
			26:	2			14 OCT	3	4.0	1:	3	3:	3
27 SEP	6	3.5	1:	27	6:	4				12:	1		
28 SEP	6	4.0	1:	11	6:	1	14 OCT	6	3.5	1:	5	6:	8
29 SEP	3	3.0	6:	2	11:	1				24:	9		
29 SEP	3	3.0	1:	1	11:	1	15 OCT	6	3.5	1:	3	6:	2
30 SEP	6	3.5	1:	6	3:	2				23:	2	24:	3
30 SEP	3	3.0	1:	3	6:	2	15 OCT	6	4.0	1:	3	24:	2
30 SEP	6	3.0	1:	1	11:	1	15 OCT	3	3.0	1:	4	3:	3
1 OCT	6	4.0	1:	2	8:	1				11:	2	12:	3
1 OCT	3	3.0					16 OCT	6	4.0	1:	7	11:	1
2 OCT	3	5.0	1:	2	3:	6	16 OCT	6	3.5	1:	4	6:	1
			12:	1			18 OCT	6	3.5	1:	1	24:	17
2 OCT	6	8.0	1:	3	8:	4	18 OCT	3	3.0	1:	3	11:	1
			26:	11			20 OCT	3	2.0	6:	3		
3 OCT	6	2.5	1:	6	11:	1	20 OCT	3	3.0	1:	1	24:	1
3 OCT	3	2.0	6:	4			20 OCT	3	3.0	6:	2	24:	3
5 OCT	3	2.0	6:	2			21 OCT	3	5.0	1:	2	3:	1
5 OCT	6	1.5	1:	4	11:	1				36:	2		
5 OCT	6	3.5	24:	9			21 OCT	6	4.0	1:	1	8:	1

APPENDIX TABLE 9 (CONTINUED).

DATE	ZONE	HOURS FISHED	— CATCH PER SPECIES —				DATE	ZONE	HOURS FISHED	— CATCH PER SPECIES —			
21 OCT	3	5.0	1: 3	3: 1	11: 1	8 NOV	6	3.5+	72: 49				
			24: 5	36: 2		8 NOV	3	3.0	1: 3	8: 1	24: 2		
21 OCT	3	2.0	1: 1	3: 1	8: 3	9 NOV	3	5.5	1: 15	6: 11	23: 1		
			11: 1			10 NOV	3	3.0	1: 2	11: 1			
23 OCT	6	4.0	1: 2	6: 1	13: 3	10 NOV	6	4.0	1: 1	11: 4	22: 1		
			24: 1			11 NOV	6	4.0	1: 2	11: 1	24: 9		
24 OCT	6	3.5	1: 9			11 NOV	3	3.0	1: 13	6: 3	11: 2		
25 OCT	2	3.5	1: 7	3: 69	7: 29	11 NOV	3	3.0	1: 4	7: 1			
26 OCT	6	3.5	1: 5	3: 9	7: 15	12 NOV	6	4.0	8: 1	11: 3	22: 1		
			11: 4	23: 1	24: 2	12 NOV	6	3.5	1: 3	6: 2	11: 1		
26 OCT	3	5.0	1: 4	3: 1	6: 6	12 NOV	2	2.0	1: 2				
			12: 3			13 NOV	3	4.0	1: 18	6: 3	23: 1		
27 OCT	6	3.5	1: 4	6: 3	11: 1	13 NOV	3	4.0	1: 30	3: 1	8: 12		
			23: 3	24: 6		14 NOV	3	4.0	1: 12	8: 10			
28 OCT	1	3.0	12: 3			14 NOV	6	5.0	1: 2	11: 3			
28 OCT	6	4.0	1: 11	6: 1		15 NOV	3	4.0	1: 37	3: 2	8: 8		
29 OCT	3	3.0	1: 3	6: 1	11: 1	15 NOV	3	3.0	1: 2				
29 OCT	3	3.0	1: 6	6: 1		16 NOV	3	3.0	1: 2				
29 OCT	3	4.0	1: 4	3: 1	6: 4	16 NOV	6	2.5	6: 1	7: 1	11: 2		
			12: 6						23: 1				
29 OCT	3	4.0	1: 26	3: 15	8: 7	17 NOV	6	2.5	6: 4	24: 1			
30 OCT	3	4.0	1: 20	3: 10	8: 6	17 NOV	3	3.0	1: 4	24: 1			
30 OCT	3	3.0	6: 2	22: 1	24: 1	17 NOV	3	3.0	1: 5	24: 1	36: 1		
30 OCT	6	7.0	1: 3	11: 1	23: 1	18 NOV	3	5.0	1: 37	6: 5			
			24: 2			18 NOV	3	2.0	1: 10	8: 11			
31 OCT	6	3.5	1: 1	2: 2	6: 1	18 NOV	6	3.0	24: 3				
			11: 6			19 NOV	3	4.0	1: 26	8: 6			
1 NOV	6	2.0	1: 3	11: 2		19 NOV	3	5.5	1: 40	6: 6	13: 3		
1 NOV	6	4.0	1: 5	13: 2		20 NOV	3	5.0	1: 37	6: 8	13: 1		
4 NOV	6	4.0	1: 2	11: 2	22: 1	21 NOV	3	4.5	1: 47	6: 10	23: 1		
5 NOV	3	3.0	1: 1	11: 1		21 NOV	6	2.0					
5 NOV	3	4.5	1: 45	3: 21	8: 15	22 NOV	6	2.5	6: 3	11: 1	74: 1		
			23: 1	24: 1		22 NOV	3	2.5	1: 18	6: 4	13: 1		
5 NOV	3	2.5	6: 7	11: 3		23 NOV	3	4.0	1: 27	6: 8	13: 2		
6 NOV	3	5.5	1: 6	3: 2	6: 11	23 NOV	3	4.0	1: 32	8: 8	11: 1		
6 NOV	3	4.0	1: 32	3: 11	8: 12				13: 1				
			13: 1			23 NOV	6	6.5	1: 1	6: 5	11: 2		
6 NOV	6	6.0	1: 3	7: 9	24: 1				24: 2				
7 NOV	3	3.0	6: 2	24: 2		24 NOV	3	4.0	1: 28	8: 2			
7 NOV	6	6.0	1: 17	11: 3	72: 30	25 NOV	3	4.0	1: 26	8: 7	11: 1		
7 NOV	3	4.0	1: 28	3: 6	8: 8	25 NOV	6	3.5	1: 5	6: 3	11: 1		
			23: 1						24: 4				
7 NOV	3	3.0	6: 1			25 NOV	3	3.0	1: 4	8: 2			
7 NOV	3	5.5	1: 7	3: 6	6: 14	26 NOV	6	6.5	1: 3	6: 9	24: 7		
8 NOV	3	3.0	1: 7	36: 1		26 NOV	3	4.0	1: 13	8: 5	11: 1		
8 NOV	3	5.5	1: 11	6: 13		27 NOV	3	4.5	1: 45	3: 6	6: 4		
8 NOV	6	3.5	1: 12	7: 3	22: 1				7: 1	13: 1			

APPENDIX TABLE 9 (CONTINUED).

DATE	ZONE	HOURS FISHED	-- CATCH PER SPECIES --			DATE	ZONE	HOURS FISHED	-- CATCH PER SPECIES --								
27 NOV	6	4.0	1:	7	8:	2	27 DEC	6	4.0	1:	11	11:	5	22:	1		
28 NOV	6	2.0	1:	2	6:	1	27 DEC	6	3.5	6:	2	11:	1	24:	1		
30 NOV	6	6.0	1:	9	6:	3	11:	4	39:	2							
			24:	2			27 DEC	3	4.5	8:	10	13:	1				
30 NOV	6	7.5	1:	15	8:	1	11:	3	28 DEC	3	2.5	8:	14	13:	1		
			22:	1			28 DEC	6	6.0	1:	1	6:	1	24:	3		
30 NOV	3	2.5	1:	17	5:	10	28 DEC	6	8.0	1:	1	11:	7				
1 DEC	6	4.0	1:	9	8:	1	11:	1	29 DEC	6	4.0	1:	3	11:	14		
1 DEC	6	3.0	1:	16	6:	2	11:	1	29 DEC	6	6.0	11:	5				
			24:	4			29 DEC	3	2.5	8:	20	13:	3				
2 DEC	6	1.5	1:	2			30 DEC	6	8.0	11:	5	24:	3				
4 DEC	6	5.5	1:	3	11:	1	22:	1	31 DEC	6	8.0	1:	4	11:	7		
4 DEC	3	4.5	1:	24	8:	6	13:	1	31 DEC	6	3.5	1:	4	6:	1	11:	3
5 DEC	6	3.5	1:	17	11:	2					39:	1					
7 DEC	6	4.0	1:	9	13:	3	23:	2									
8 DEC	6	4.0	1:	2	13:	1	22:	1									
9 DEC	6	3.0	1:	3	13:	3											
9 DEC	6	3.5	1:	5	6:	1	24:	3									
10 DEC	6	3.5	1:	3	6:	1	11:	4									
			39:	2													
12 DEC	6	5.0	1:	13	11:	2											
13 DEC	6	3.5	6:	2	11:	5	24:	3									
14 DEC	6	3.5	1:	1	11:	3	22:	1									
			23:	1													
15 DEC	6	2.5	1:	2	6:	1	11:	2									
			23:	1													
16 DEC	6	3.0	1:	1	6:	4	24:	3									
16 DEC	6	5.0	1:	9	22:	1											
17 DEC	6	3.5	1:	6	6:	2	7:	3									
			79:	5													
18 DEC	6	7.0	1:	9	5:	1	7:	4									
			8:	1	22:	1	24:	2									
19 DEC	6	4.0	1:	6	24:	1											
19 DEC	6	3.5	6:	3	11:	5	19:	1									
20 DEC	6	3.5	1:	1	6:	1	11:	324									
			24:	4													
20 DEC	6	6.5	1:	11	24:	2											
21 DEC	6	7.0	1:	6	6:	3	11:	9									
			19:	1	22:	1	24:	6									
22 DEC	6	4.0	1:	3	8:	2	11:	3									
23 DEC	6	8.0	1:	7	13:	4	24:	9									
23 DEC	6	3.5	1:	3	11:	5	17:	2									
			24:	3													
24 DEC	6	6.0	1:	1	11:	7											
24 DEC	6	8.0	1:	3	13:	1	24:	32									
25 DEC	6	8.0	1:	5	11:	9	24:	2									
26 DEC	6	7.0	1:	9	11:	3											

APPENDIX TABLE 10. LOGGED 1983 NON-TROLLING CATCH AND EFFORT FROM EAST FLORIDA

DATE	ZONE	HOURS FISHED	--- CATCH PER SPECIES ---				DATE	ZONE	HOURS FISHED	--- CATCH PER SPECIES ---							
30 MAR	3	4.0	4:	8	15:	20	20:	4	26 APR	3	1.5	79:	4				
			36:	3					27 APR	3	1.0	79:	2				
31 MAR	2	4.0	15:	17	17:	4			28 APR	3	3.0	13:	2	14:	1	29:	1
1 APR	3	2.0	15:	21	17:	2	62:	3				75:	1				
1 APR	3	1.5	79:	2					30 APR	3	2.0	14:	1	15:	40	20:	1
3 APR	3	3.0	14:	1	15:	55	20:	1				62:	6	78:	1		
			36:	1	62:	5			1 MAY	3	1.0	1:	1	5:	4		
4 APR	3	3.0	14:	6	15:	45	20:	1	1 MAY	3	5.0	14:	5	15:	44	20:	1
4 APR	3	2.0	14:	3	15:	18	36:	7				42:	2	62:	29	72:	8
4 APR	3	3.5	15:	40	20:	1	36:	1				82:	3	85:	6		
			62:	12	76:	7	85:	6	2 MAY	3	2.0	5:	13	14:	1		
5 APR	3	3.0	15:	48	20:	6	35:	1	3 MAY	3	2.0	5:	15				
5 APR	3	3.0	2:	1	15:	54	20:	2	6 MAY	3	1.0	13:	3	15:	2	17:	1
			62:	28	76:	16	85:	8				42:	1	78:	1		
5 APR	3	3.5	5:	10	15:	28	17:	2	6 MAY	3	2.5	2:	2	13:	5	17:	1
			37:	1	45:	8	58:	15				62:	3				
6 APR	3	1.0	14:	1	15:	17	20:	1	7 MAY	3	3.0	15:	35	21:	1	62:	19
6 APR	3	2.5	15:	64	36:	4						76:	15	85:	3		
6 APR	1	1.0							7 MAY	3	2.0	1:	1	2:	1	5:	1
7 APR	2	3.5	14:	5	18:	1	20:	7	8 MAY	3	1.0	2:	1	62:	2		
			24:	2					8 MAY	3	1.5	13:	4				
7 APR	3	3.0	13:	2	15:	3	75:	1	9 MAY	3	2.0	19:	4	76:	40		
			76:	9					9 MAY	3	2.0	13:	1	15:	9	17:	2
7 APR	3	2.5	15:	32								42:	1				
7 APR	3	2.0	15:	7	62:	9			10 MAY	3	2.5	5:	2	13:	3	14:	1
8 APR	3	4.5	15:	78	18:	1	19:	2				15:	1				
			20:	5	89:	1			13 MAY	3	2.5	5:	1	13:	1	15:	3
8 APR	3	2.5	13:	3	17:	7			13 MAY	3	2.0	1:	1	14:	6	15:	20
9 APR	3	2.5	2:	1	14:	1	15:	16				17:	2	20:	2	78:	1
			76:	12					13 MAY	2	3.5	7:	6	14:	3	26:	105
9 APR	3	4.0	1:	4	13:	1	14:	1	14 MAY	3	1.5	93:	1				
			15:	32	18:	1	19:	2	14 MAY	3	2.5	13:	3	15:	6	20:	4
			20:	1	36:	1						50:	4	76:	26		
9 APR	2	1.0	19:	2	60:	1			14 MAY	3	4.5	14:	4	15:	24	17:	2
11 APR	2	3.5	1:	5	2:	1	13:	1				20:	6				
			20:	9					15 MAY	3	2.0	15:	35	17:	2	20:	3
11 APR	3	2.0	13:	3	15:	10	20:	3				82:	1				
			50:	1	62:	4	85:	1	22 MAY	3	1.0	2:	1	13:	1	17:	1
12 APR	3	2.0	15:	26	16:	1	20:	1	22 MAY	3	2.0	15:	6	64:	1		
12 APR	3	0.5	14:	2	15:	6	62:	5	23 MAY	3	1.0	13:	1				
15 APR	2	1.0	14:	7					23 MAY	3	1.0	2:	1	13:	2	14:	3
19 APR	3	1.0	79:	7								26:	1	62:	1		
20 APR	6	1.5	20:	19	79:	6			23 MAY	2	2.0	7:	5	26:	40		
20 APR	3	3.0	13:	1	15:	15	62:	6	24 MAY	3	0.5	70:	1				
20 APR	2	4.0	5:	15					24 MAY	3	1.0	13:	2	72:	2		
21 APR	2	4.0	3:	3	5:	5			25 MAY	3	1.0	15:	2	78:	2	85:	6
22 APR	3	1.0	15:	25					26 MAY	3	1.5	13:	2				

APPENDIX TABLE 10 (CONTINUED).

DATE	ZONE	HOURS FISHED	-- CATCH PER SPECIES --				DATE	ZONE	HOURS FISHED	-- CATCH PER SPECIES --							
26 MAY	3	1.0	14:	1	15:	9	17:	3	24 JUN	2	2.0	20:	15				
			82:	1					25 JUN	3	0.5	60:	1				
27 MAY	3	1.0	15:	5					25 JUN	3	2.5	13:	4				
28 MAY	3	1.0	14:	3	15:	37	17:	2	26 JUN	3	1.5	13:	5				
29 MAY	3	4.5	14:	2	15:	117	17:	2	26 JUN	3	2.5	7:	1	13:	4	15:	6
			20:	2	42:	1	48:	1				17:	4	20:	1	34:	1
29 MAY	3	1.0										42:	1				
1 JUN	3	1.5	13:	3	36:	1	72:	1	27 JUN	3	2.0	14:	1	15:	3	20:	1
1 JUN	3	1.0	15:	18	17:	1	20:	1				36:	1	62:	9		
1 JUN	3	1.5	79:	5	80:	3			27 JUN	3	2.0	13:	8				
2 JUN	3	0.5	79:	2	80:	5			29 JUN	3	2.5	2:	2	13:	6		
2 JUN	3	1.0	13:	4					30 JUN	3	2.5	15:	25				
3 JUN	3	2.5	13:	1	17:	12	20:	1	2 JUL	3	3.0	13:	3	15:	1	16:	8
3 JUN	3	2.5	15:	40					2 JUL	3	3.0	14:	1	15:	12	17:	10
4 JUN	3	2.0	14:	8	15:	1	36:	1				20:	1	48:	1		
			72:	14	78:	2			3 JUL	3	1.5	14:	1	15:	12	20:	3
5 JUN	3	1.5	14:	21	15:	9	20:	2				76:	16				
			36:	3	62:	2			4 JUL	3	3.0	15:	12	20:	2	30:	6
5 JUN	3	5.0	2:	1	13:	1	14:	12				36:	1	62:	4	72:	10
			15:	48					5 JUL	3	1.0	2:	1				
6 JUN	3	3.5	4:	1	13:	3	14:	6	5 JUL	3	3.0	13:	6				
			15:	15	17:	1	42:	2	6 JUL	3	2.5	15:	40	20:	2	42:	1
6 JUN	3	1.0	5:	3	62:	2						50:	4	62:	12	76:	25
7 JUN	3	4.0	2:	1	5:	1	13:	3				85:	7				
			62:	1					7 JUL	3	1.0	15:	6	62:	5		
9 JUN	3	2.5	11:	7					9 JUL	3	3.5	13:	6				
12 JUN	3	2.0	13:	8	36:	1			10 JUL	3	5.0	13:	10				
12 JUN	3	1.0	14:	3	15:	9	20:	3	10 JUL	2	0.5	14:	1				
14 JUN	3	1.0	13:	5					11 JUL	3	1.0	11:	1	13:	1	17:	1
14 JUN	3	4.5	13:	6					13 JUL	3	7.0	13:	6	16:	11	20:	1
15 JUN	3	1.0	13:	4	63:	1						41:	1	50:	1		
16 JUN	3	1.0	13:	1	62:	2			13 JUL	2	1.5	26:	13	99:	6		
16 JUN	3	4.0	13:	10					15 JUL	3	2.5	11:	2	62:	9		
17 JUN	2	2.5	2:	1	14:	1	20:	7	15 JUL	2	1.5	14:	1	19:	1	26:	10
18 JUN	3	1.0	15:	7	53:	1	62:	9	16 JUL	3	3.0	15:	30	20:	1	48:	1
			76:	15	78:	2						62:	15	76:	6		
19 JUN	3	1.0	13:	2	15:	12	18:	1	16 JUL	2	2.0	26:	6	82:	9	99:	4
			62:	5					17 JUL	3	1.0	6:	1	14:	1	15:	9
20 JUN	3	1.0	13:	6								20:	2	62:	3		
20 JUN	2	4.5	7:	9	11:	1	20:	35	18 JUL	3	2.0	1:	1	15:	30	20:	1
			26:	42								36:	1	62:	15		
21 JUN	3	4.0	13:	6					19 JUL	3	2.0	14:	1	15:	35	20:	2
22 JUN	3	3.0	13:	6	54:	2						36:	1	62:	2		
22 JUN	3	1.0	62:	1	76:	1			20 JUL	3	1.0	1:	2	15:	20		
23 JUN	3	1.0	36:	1	51:	1			21 JUL	3	1.0	7:	2	14:	1	62:	1
23 JUN	3	4.0	13:	8	14:	1	15:	5				76:	18				
			118:	2					22 JUL	3	1.0	14:	1	15:	20	20:	2

APPENDIX TABLE 10 (CONTINUED).

DATE	ZONE	HOURS FISHED	-- CATCH PER SPECIES --					DATE	ZONE	HOURS FISHED	-- CATCH PER SPECIES --						
22 JUL	3	1.0+	36:	3	62:	1	7 SEP	3	2.5	14:	7	15:	8	20:	5		
22 JUL	3	4.0	13:	7						36:	1	70:	2				
26 JUL	3	3.0	13:	8			7 SEP	3	5.0	13:	2	14:	7	15:	20		
27 JUL	3	3.0	13:	6						18:	1	20:	3	62:	30		
27 JUL	3	4.0	1:	1	12:	1	14:	8	8 SEP	3	5.0	1:	6	11:	1	13:	1
			15:	35	20:	7	36:	1				14:	3	15:	18	62:	14
			48:	1	62:	10	72:	2	8 SEP	3	3.0	14:	10	15:	9	17:	3
28 JUL	3	3.0	7:	1	20:	3	36:	1				20:	1	70:	1	72:	2
			76:	12					9 SEP	3	2.0	14:	1	15:	6	17:	4
31 JUL	3	6.0	13:	7								20:	3				
1 AUG	3	1.0	13:	3					9 SEP	3	4.0	11:	1	13:	2	15:	15
1 AUG	2	2.0	7:	23	14:	3	26:	15				17:	2	18:	1	20:	7
			50:	6	76:	9						62:	11				
2 AUG	3	1.0	14:	6	15:	2	17:	4	10 SEP	3	2.0	2:	1	14:	8	15:	7
3 AUG	2	0.5	14:	5	26:	2	50:	3				20:	1	36:	1	70:	1
6 AUG	3	1.0	36:	1					11 SEP	3	4.0	36:	2				
7 AUG	3	1.0	15:	40	20:	4	62:	10	15 SEP	3	2.0	15:	14	17:	1	20:	3
			76:	15								36:	1	62:	7		
8 AUG	2	3.0	7:	25	14:	4	26:	19	16 SEP	3	5.0	14:	16	15:	40	17:	1
9 AUG	2	3.0	7:	30	26:	2	76:	10				20:	7	24:	5	36:	2
			99:	2								62:	21				
10 AUG	2	3.0	7:	38	26:	19	76:	18	17 SEP	3	6.0	14:	10	15:	24	20:	10
			99:	1								36:	3	62:	13		
13 AUG	3	4.0	4:	21	15:	42			17 SEP	3	2.0	1:	1	7:	1	14:	11
14 AUG	3	1.0	14:	1	15:	14	36:	3				15:	8	17:	1	20:	3
			72:	1								36:	2	62:	4	72:	1
14 AUG	3	3.0	15:	6	36:	2	91:	1	18 SEP	3	2.0	7:	1	14:	1	15:	38
15 AUG	3	5.0	12:	1	13:	7	15:	15				20:	5	51:	1	62:	7
			20:	3	36:	4			1 OCT	3	4.0	13:	1	14:	15	15:	10
17 AUG	3	1.0	36:	1								20:	1	36:	7	50:	2
18 AUG	3	1.0	79:	11	80:	2						62:	6	76:	20		
19 AUG	3	2.5	79:	9	80:	7			2 OCT	6	0.5						
20 AUG	3	1.0	79:	6	80:	4			3 OCT	3	3.0	14:	1	15:	6	76:	10
20 AUG	3	1.0	24:	2	36:	2						85:	6				
25 AUG	3	5.0	1:	1					5 OCT	3	3.5	14:	6	15:	55	20:	6
27 AUG	3	2.0	14:	1	15:	30	17:	1				36:	1	62:	10	76:	26
			20:	8	36:	1	62:	3				85:	3				
28 AUG	3	2.0	15:	20	17:	1			6 OCT	3	2.5	1:	3	6:	1	11:	2
30 AUG	3	2.0	14:	9	15:	5	17:	2				12:	1	20:	8		
			20:	1	76:	7			8 OCT	3	2.0	15:	10	20:	6	62:	20
31 AUG	3	4.0	2:	1	13:	6	14:	5				76:	70	85:	6		
			15:	18	20:	5			10 OCT	3	3.5	14:	5	15:	17	20:	6
6 SEP	3	8.0	1:	10	2:	2	13:	2				36:	1	62:	13	76:	18
			14:	4	15:	25	17:	17				85:	5				
			62:	15					10 OCT	6	1.5	26:	13				
6 SEP	3	3.0	14:	14	15:	6	37:	2	11 OCT	3	3.0	14:	6	20:	4	62:	18
			72:	2								76:	23	85:	6		

APPENDIX TABLE 10 (CONTINUED).

DATE	ZONE	HOURS FISHED	-- CATCH PER SPECIES --				DATE	ZONE	HOURS FISHED	-- CATCH PER SPECIES --			
29 OCT	3	3.0	14:	3	15:	10	20:	25					
			36:	3									
29 OCT	3	1.0	15:	9	48:	2							
5 NOV	3	3.0	13:	7	15:	4							
14 NOV	3	2.0	79:	1									
16 NOV	3	1.0	13:	2	29:	1	79:	4					
17 NOV	3	1.0	13:	6	29:	1	79:	3					
18 NOV	3	0.5	13:	9	29:	3	79:	6					
21 NOV	3	1.0											
22 NOV	3	1.0	13:	7	79:	2							
23 NOV	3	1.0	13:	2	14:	3							
26 NOV	3	1.0	13:	3	62:	15	79:	1					
28 NOV	3	1.5	79:	3	80:	5							
30 NOV	3	1.5	79:	2	80:	9							
15 DEC	3	1.0	79:	3									
16 DEC	3	0.5	79:	1									
24 DEC	2	1.0	14:	2	17:	3	18:	1					
29 DEC	3	0.5	80:	1									

APPENDIX TABLE 11. LOGGED 1983 TROLLING CATCH AND EFFORT FROM SOUTHEAST FLORIDA

DATE	ZONE	HOURS FISHED	--- CATCH PER SPECIES ---				DATE	ZONE	HOURS FISHED	--- CATCH PER SPECIES ---			
29 MAR	2	3.0	3:	5			9 APR	6	8.0+	13:	2		
30 MAR	3	6.0	13:	3	23:	2	9 APR	3	3.5	33:	1		
31 MAR	6	7.0	3:	22	24:	2	35:	1	9 APR	3	2.0	35:	3
1 APR	3	6.0	13:	2	35:	1	9 APR	3	6.0	24:	1	35:	1
2 APR	3	4.0	13:	2	39:	1	9 APR	3	3.0	35:	5		
3 APR	3	6.5	1:	3	24:	2	35:	1	9 APR	6	3.0	3:	1
3 APR	3	3.0	6:	4	11:	2	10 APR	2	3.0	3:	8	11:	1
3 APR	3	12.0	35:	3	75:	1	10 APR	3	3.5	35:	3		
4 APR	2	1.0	3:	30			10 APR	2	3.0	3:	2	6:	1
4 APR	3	7.0	1:	1	24:	1	35:	4	10 APR	3	4.0	2:	1
4 APR	3	3.0							10 APR	2	4.0	3:	16
4 APR	3	3.0	6:	1	39:	1			10 APR	3	4.0	1:	3
4 APR	6	4.0	3:	5	6:	2	8:	1	11 APR	6	4.0	24:	2
			35:	1					11 APR	6	6.0	3:	4
4 APR	6	3.0	3:	6	39:	1			11 APR	3	7.0	35:	3
4 APR	3	4.0	24:	2					11 APR	2	3.0	6:	1
4 APR	3	4.0	8:	2	23:	1	24:	6	11 APR	3	3.0	11:	1
5 APR	3	4.0	35:	1					12 APR	6	3.0	3:	2
5 APR	6	8.0	3:	14	5:	10			12 APR	3	3.0	24:	2
5 APR	2	2.0	3:	24					12 APR	3	3.5	1:	5
5 APR	3	3.0	24:	1	35:	1			12 APR	3	6.0	24:	8
5 APR	6	3.0	3:	11	29:	1			12 APR	3	4.0	39:	2
5 APR	3	6.5	1:	3	3:	20	35:	4	13 APR	2	3.0		
5 APR	3	3.0	35:	2					13 APR	6	3.0	3:	1
6 APR	3	7.0	1:	4	35:	2			13 APR	3	8.0		
6 APR	3	3.0	35:	2					14 APR	3	8.0	11:	1
6 APR	2	3.0	3:	27	11:	1			14 APR	3	3.0	35:	1
6 APR	3	6.0	35:	2					14 APR	3	3.5	1:	3
6 APR	3	4.0	1:	2	3:	4	8:	1	14 APR	3	6.0	1:	1
6 APR	3	4.0	1:	2	6:	4	11:	1	14 APR	2	4.0	3:	30
			24:	1					15 APR	3	4.0	1:	2
6 APR	3	4.0	1:	2	3:	8	8:	2	15 APR	3	4.0		
6 APR	2	4.0	22:	1	24:	6			16 APR	3	7.0		
7 APR	3	4.0	5:	8					16 APR	2	2.0	1:	3
7 APR	6	1.0	3:	45					16 APR	2	3.0	3:	5
7 APR	3	2.0	3:	1	13:	1			16 APR	6	7.0	3:	1
7 APR	3	7.0	1:	4	3:	3	5:	5				35:	2
8 APR	2	1.0	3:	3					16 APR	3	4.5	6:	5
8 APR	3	6.0	3:	5	35:	1			16 APR	6	4.0	1:	3
8 APR	3	3.0	5:	1	35:	1	39:	1	16 APR	6	4.0	6:	4
8 APR	2	1.0	3:	20					17 APR	3	6.0	6:	8
8 APR	3	4.0							17 APR	3	3.5	35:	1
8 APR	3	3.5	5:	12	35:	1			17 APR	3	2.0	1:	1
8 APR	2	4.0	1:	3	2:	2	35:	2				39:	1
9 APR	3	4.5	6:	4	24:	7	29:	1	17 APR	3	3.0	35:	2
9 APR	3	4.0	35:	2					18 APR	3	3.0	24:	2
9 APR	6	8.0	2:	26	5:	5	11:	1	18 APR	3	3.0		

APPENDIX TABLE 11 (CONTINUED).

DATE	ZONE	HOURS FISHED	-- CATCH PER SPECIES --				DATE	ZONE	HOURS FISHED	-- CATCH PER SPECIES --				
18 APR	3	3.5	6:	2	22:	1	24:	1	26 APR	2	3.0	7:	3	
18 APR	6	3.0	5:	1	13:	1	24:	1	27 APR	3	7.0	1:	2	6:
			35:	1					27 APR	3	4.0	11:	1	
18 APR	3	8.0	24:	3	35:	1	68:	3	28 APR	3	3.0	35:	3	
18 APR	3	8.0	1:	1	6:	4	11:	1	28 APR	3	3.5	1:	2	
			24:	1	29:	1			28 APR	6	7.0	1:	6	3:
18 APR	3	4.0	1:	2	8:	1	23:	3				35:	1	6:
18 APR	3	8.0	6:	2	7:	8	11:	2	28 APR	3	2.0			
			80:	2					28 APR	3	4.0	22:	1	24:
19 APR	3	4.0	35:	1	80:	1			28 APR	2	3.0	1:	1	12:
19 APR	6	3.0	3:	2	35:	1			28 APR	3	3.0	1:	1	24:
20 APR	3	3.0	35:	2					29 APR	3	3.0	1:	1	24:
20 APR	3	3.0	6:	1					29 APR	3	3.5	1:	3	23:
20 APR	3	8.0	24:	15					29 APR	3	3.0	35:	1	35:
20 APR	3	4.0	35:	2					30 APR	3	7.0	35:	2	39:
20 APR	6	4.0	8:	3	11:	1	39:	1	30 APR	3	3.0	1:	2	6:
20 APR	6	3.5	3:	2	35:	1			30 APR	3	3.0	13:	1	35:
21 APR	3	1.5	35:	2					30 APR	3	2.0	23:	1	39:
21 APR	3	7.5	6:	1	22:	1	24:	2	1 MAY	3	5.0	1:	2	39:
22 APR	3	7.0	35:	1					1 MAY	3	2.0	39:	2	
22 APR	3	3.5	24:	1	35:	1			1 MAY	2	8.0	7:	6	11:
22 APR	3	8.0	24:	1	39:	2						23:	2	24:
22 APR	3	6.5	22:	2	24:	232	29:	1	1 MAY	6	8.0	1:	4	8:
			67:	5					1 MAY	3	3.0	13:	2	35:
22 APR	3	4.0	24:	79					1 MAY	3	3.5	1:	2	35:
22 APR	2	4.0	5:	15					1 MAY	3	2.0	39:	1	
22 APR	6	4.0	7:	5	11:	2	24:	3	2 MAY	3	4.5	1:	2	11:
23 APR	6	8.0	22:	1	24:	14						23:	2	39:
23 APR	3	1.0	24:	11					3 MAY	3	6.0	24:	10	35:
23 APR	3	4.0	1:	2	7:	1	24:	3	3 MAY	3	2.5	35:	2	
23 APR	3	6.5	35:	1					4 MAY	3	5.0	5:	5	11:
23 APR	3	7.0	35:	1					4 MAY	6	4.0	13:	2	24:
23 APR	3	3.0	35:	1					5 MAY	3	2.5	11:	1	35:
24 APR	3	3.0	35:	2					5 MAY	3	3.0	35:	1	39:
24 APR	3	3.5							5 MAY	3	7.0	24:	1	38:
24 APR	6	7.0	1:	2	3:	1	35:	1	6 MAY	3	7.0	11:	2	
24 APR	3	8.0	35:	2					6 MAY	3	3.5	1:	1	24:
24 APR	2	4.0	1:	1	24:	3			6 MAY	3	3.0	22:	1	5
24 APR	2	4.0	11:	1	35:	2			6 MAY	3	5.5	23:	4	24:
25 APR	2	4.0	1:	2	2:	1	24:	5	6 MAY	2	4.0	23:	1	39:
25 APR	3	8.0	13:	1	35:	2	39:	1	6 MAY	3	5.0	24:	6	
25 APR	3	3.0	35:	1					7 MAY	3	5.0	24:	14	39:
25 APR	3	3.0	39:	1					7 MAY	2	4.0	24:	2	
26 APR	3	1.0							7 MAY	3	4.0	24:	10	
26 APR	3	3.0							7 MAY	6	5.0	22:	1	24:
26 APR	3	1.0	39:	1					7 MAY	3	5.5	1:	1	13:
26 APR	3	3.0	13:	2					7 MAY	3	3.0	13:	1	24:

APPENDIX TABLE 11 (CONTINUED).

DATE	ZONE	HOURS FISHED	--- CATCH PER SPECIES ---				DATE	ZONE	HOURS FISHED	--- CATCH PER SPECIES ---							
7 MAY	3	3.0	35:	1			17 MAY	5	5.5	1:	3	7:	10	75:	1		
7 MAY	3	3.5	1:	3	22:	2	24:	2		87:	2	126:	4				
7 MAY	3	4.0	39:	1			17 MAY	3	4.0	6:	1	23:	1				
7 MAY	3	5.0	11:	1	22:	1	17 MAY	3	3.5	1:	3						
8 MAY	3	3.5	1:	3	6:	1	11:	1	17 MAY	3	7.0	13:	6	22:	14	24:	2
			39:	1					17 MAY	3	4.5	1:	3	11:	1		
8 MAY	3	3.0	1:	2				18 MAY	6	4.0	1:	4	24:	2			
8 MAY	3	5.5	1:	1	35:	1	39:	1	18 MAY	3	2.0	24:	1				
8 MAY	6	8.0	1:	2	24:	10	35:	1	18 MAY	3	5.0	75:	1	87:	1		
8 MAY	2	3.0	6:	2	23:	1	24:	9	19 MAY	3	3.0	22:	1	24:	2		
8 MAY	3	3.0	24:	4					19 MAY	3	3.0	35:	1				
8 MAY	3	4.0	1:	1	8:	1			19 MAY	3	3.5	1:	2	24:	4		
9 MAY	3	7.5	1:	3	22:	1	24:	4	19 MAY	3	1.0	24:	11				
			38:	1					19 MAY	3	7.0	8:	16	24:	5	35:	1
9 MAY	3	3.0	13:	1	35:	1					68:	4					
9 MAY	3	3.0	1:	1	8:	2			19 MAY	3	4.5	6:	1	11:	1	22:	1
10 MAY	3	7.0	1:	2	11:	2	35:	1	20 MAY	3	3.0	35:	2				
10 MAY	3	6.0	1:	1	24:	14	35:	1	21 MAY	3	3.5	1:	4	11:	1	24:	2
			39:	3					21 MAY	3	3.0	11:	1	24:	1		
10 MAY	3	4.0	22:	1	24:	3			21 MAY	6	6.0	6:	1	13:	2	23:	2
11 MAY	3	5.0	23:	1	24:	15	35:	1	21 MAY	3	7.0	24:	25				
11 MAY	3	3.0	6:	1	24:	2			21 MAY	3	4.5	1:	2	22:	1		
11 MAY	3	3.0	1:	1					22 MAY	3	3.0	11:	1	23:	2	24:	12
11 MAY	3	1.0							22 MAY	6	4.0	1:	2	23:	2	24:	1
12 MAY	3	2.5							22 MAY	3	4.0	8:	1	11:	1	22:	1
13 MAY	3	3.0	24:	3							24:	2					
13 MAY	3	4.0	8:	1	24:	4			22 MAY	3	3.0	8:	1	23:	1	24:	5
13 MAY	3	3.0	24:	2					22 MAY	3	5.5	13:	4	35:	2		
13 MAY	3	8.5	13:	1					23 MAY	3	2.5	23:	1				
14 MAY	3	8.5	24:	1					23 MAY	3	3.0	11:	1				
14 MAY	3	3.0	8:	1	35:	2			23 MAY	3	3.0	1:	2	13:	2		
14 MAY	2	3.0							24 MAY	3	3.0	13:	2	24:	3	68:	1
14 MAY	3	4.0	24:	3					24 MAY	3	5.5	23:	1	35:	2		
14 MAY	3	4.0	11:	1					24 MAY	3	5.0						
14 MAY	3	3.0	39:	1					24 MAY	3	3.5	1:	3	11:	1	24:	2
14 MAY	3	5.0	1:	1	11:	1	24:	1	25 MAY	3	2.5	13:	6				
15 MAY	3	3.0	13:	3	24:	1			25 MAY	3	4.0	8:	1				
15 MAY	3	3.5	1:	2					25 MAY	3	5.0	22:	1	24:	11		
15 MAY	5	5.5	7:	15	24:	1	39:	1	25 MAY	3	6.0	23:	4	24:	60		
			87:	2					26 MAY	3	7.0	24:	71	68:	2		
15 MAY	3	4.0	23:	2	24:	35			26 MAY	3	5.5	1:	1	11:	1	24:	8
15 MAY	3	3.0	8:	1	23:	1	24:	2	26 MAY	3	3.0	6:	1	24:	1		
15 MAY	3	4.5	1:	5	8:	2	11:	1	27 MAY	3	4.0	24:	2				
16 MAY	3	3.0	35:	1					27 MAY	3	3.0	1:	3	24:	8		
16 MAY	3	5.5	24:	8					27 MAY	6	6.0	1:	2	6:	1	8:	2
16 MAY	5	5.5	7:	25	39:	1	87:	3			24:	2					
			91:	1					28 MAY	3	8.0	23:	4	24:	31		

APPENDIX TABLE 11 (CONTINUED).

DATE	ZONE	HOURS FISHED	-- CATCH PER SPECIES --				DATE	ZONE	HOURS FISHED	-- CATCH PER SPECIES --							
28 MAY	3	3.0	1:	5	8:	13	11 JUN	3	3.0	22:	1	23:	1				
28 MAY	3	7.0	1:	5	24:	1	11 JUN	3	4.0	35:	3	39:	1				
28 MAY	3	3.0	1:	5	8:	2	11 JUN	3	3.0	23:	2						
			23:	1			11 JUN	3	7.0	8:	1	24:	40				
28 MAY	3	3.5	1:	1	35:	1	12 JUN	3	6.0	24:	37						
28 MAY	3	2.5	6:	1	7:	3	12 JUN	1	4.0	8:	6						
29 MAY	3	1.5	11:	1			12 JUN	3	2.0	1:	4	23:	1				
29 MAY	3	5.0	24:	24			12 JUN	3	2.5								
29 MAY	3	3.5	35:	1			12 JUN	3	2.5	35:	1						
29 MAY	3	3.0	24:	2			12 JUN	3	3.5	1:	1	11:	1	24:	3		
29 MAY	3	3.0	24:	3			12 JUN	3	6.0	24:	3						
29 MAY	3	5.0	1:	1	24:	1	12 JUN	1	3.0	1:	1	11:	1				
29 MAY	1	4.0	1:	1	3:	1	8:	3	13 JUN	3	3.0	6:	1	11:	1	23:	1
29 MAY	3	4.0	24:	9	39:	1			13 JUN	3	3.0	24:	37	68:	1		
30 MAY	3	4.0	22:	1	23:	1	24:	8	13 JUN	1	4.0	11:	1	24:	8		
30 MAY	3	3.0	11:	1	13:	4			14 JUN	3	6.0	22:	1	24:	56		
30 MAY	3	3.0	24:	4					14 JUN	3	3.5	1:	1	11:	1	22:	1
1 JUN	1	4.0	22:	2							23:	1	24:	1			
1 JUN	3	1.0							15 JUN	3	5.5	1:	1	26:	35	54:	15
2 JUN	3	4.5							15 JUN	3	6.0	11:	8				
2 JUN	3	6.5	8:	2	24:	44			15 JUN	3	6.5	24:	98				
2 JUN	3	6.0	6:	1	24:	32			15 JUN	3	3.5	13:	3				
3 JUN	3	6.0	24:	17					16 JUN	3	6.0	24:	70	68:	2		
3 JUN	3	3.0							16 JUN	3	2.5	39:	1				
3 JUN	3	4.0	24:	21					16 JUN	3	10.0	11:	11				
4 JUN	3	8.0	8:	2	22:	1	24:	84	16 JUN	3	3.0	1:	1	11:	3	13:	1
4 JUN	3	5.0	24:	3					17 JUN	3	6.5	1:	2	24:	3		
4 JUN	3	7.0	8:	1	38:	1			17 JUN	3	8.0	11:	8	38:	1		
4 JUN	3	3.5	24:	3					17 JUN	3	6.5	35:	1				
5 JUN	3	7.0	23:	1					17 JUN	3	6.0	24:	2				
5 JUN	3	3.0	38:	1					17 JUN	3	4.0	8:	1	11:	1	39:	1
5 JUN	3	2.5	24:	18					18 JUN	3	3.0	23:	1	24:	10	68:	1
5 JUN	3	3.0	24:	35					18 JUN	1	6.0	24:	7	35:	2		
5 JUN	3	4.0	1:	1	11:	1			18 JUN	3	7.0	24:	24				
5 JUN	3	8.0	24:	53					18 JUN	3	6.5	24:	28				
5 JUN	1	6.0	24:	2					18 JUN	3	7.0	1:	2	11:	3	24:	1
7 JUN	3	3.5	1:	1	23:	1	24:	1	19 JUN	3	7.0	1:	1	8:	2	11:	1
			39:	2							22:	1					
8 JUN	3	3.0	24:	3					19 JUN	3	1.0	82:	5				
8 JUN	3	3.5							19 JUN	3	7.0	6:	4	22:	1	24:	8
8 JUN	3	3.0	1:	1	11:	1			19 JUN	1	4.0	23:	1	24:	1		
8 JUN	3	3.0	24:	26					19 JUN	3	4.0	1:	1	8:	2	11:	1
9 JUN	3	6.0	24:	34					21 JUN	1	8.0	24:	2	38:	1		
10 JUN	3	3.5	1:	2	24:	2			21 JUN	3	4.0	55:	1				
10 JUN	3	3.0	35:	2					22 JUN	3	8.0						
10 JUN	3	3.5	1:	9					22 JUN	3	3.0	22:	1				
11 JUN	3	3.5	1:	1	11:	2	22:	1	22 JUN	1	3.0	1:	2	3:	6	11:	1

APPENDIX TABLE 11 (CONTINUED).

DATE	ZONE	HOURS FISHED	--- CATCH PER SPECIES ---					DATE	ZONE	HOURS FISHED	--- CATCH PER SPECIES ---						
22 JUN	1	3.0+	24:	20				12 JUL	3	3.0	1:	1	6:	4	11:	3	
23 JUN	3	3.0	11:	1	24:	73		12 JUL	3	3.5							
23 JUN	3	8.0	24:	2				12 JUL	3	2.0	6:	1	7:	12	11:	3	
24 JUN	3	8.0	24:	2				13 JUL	3	6.0	24:	2					
24 JUN	3	3.0	24:	4				13 JUL	3	3.0	22:	1					
24 JUN	3	4.0	1:	1	11:	1	24:	15	14 JUL	3	7.0	8:	1	24:	1	39:	1
25 JUN	1	4.0	3:	3				14 JUL	3	3.0	24:	2					
25 JUN	6	3.0	1:	1	8:	1	11:	3	14 JUL	6	5.0	11:	7	23:	1		
25 JUN	3	7.0	11:	2	24:	4	39:	1	14 JUL	3	6.0	22:	2				
25 JUN	3	6.5							15 JUL	3	3.0	1:	1	6:	4	11:	6
26 JUN	3	7.0	11:	2	39:	1			15 JUL	3	3.0	8:	2				
26 JUN	6	3.0	8:	7					16 JUL	6	3.0	8:	5	11:	6	22:	1
26 JUN	3	6.0	6:	7	23:	1	24:	18	16 JUL	3	7.5	1:	2	7:	1	12:	1
26 JUN	3	6.0	6:	4	8:	2	11:	1	16 JUL	3	3.0	1:	2	8:	8		
			22:	1	24:	4			16 JUL	3	7.5	6:	6	24:	21	39:	1
27 JUN	3	3.0	1:	1	11:	3			17 JUL	3	7.0	1:	2	6:	4	24:	9
28 JUN	3	3.0	8:	1	22:	1			17 JUL	3	3.0						
29 JUN	3	3.0	1:	2	6:	1	11:	4	17 JUL	3	3.5	1:	1	11:	3		
			23:	1					17 JUL	3	3.0	6:	3	11:	3		
29 JUN	3	2.0	24:	6					18 JUL	3	6.5	1:	1	11:	4	24:	5
30 JUN	3	6.0	22:	1	24:	8	39:	1	21 JUL	3	1.5	1:	1	6:	2	11:	3
30 JUN	3	3.5	1:	1	24:	4			22 JUL	3	3.5	1:	2	7:	2	10:	1
1 JUL	3	2.0	24:	24					22 JUL	3	6.0	8:	31	22:	1	24:	4
2 JUL	3	6.0	11:	2	22:	1	24:	50	22 JUL	3	3.0	6:	1	8:	7	23:	1
2 JUL	3	3.0	22:	1	23:	1			23 JUL	3	3.0	1:	2	8:	1		
2 JUL	3	1.0	6:	1					23 JUL	3	3.0	7:	1	8:	7		
2 JUL	3	3.0	11:	4	29:	1			23 JUL	3	7.0	6:	4	22:	1	24:	12
2 JUL	3	5.0							23 JUL	3	3.5	7:	12	10:	3		
2 JUL	3	7.5	1:	2	11:	1	24:	1	23 JUL	3	7.0						
3 JUL	3	3.5	1:	4	11:	4	23:	1	23 JUL	3	2.5	6:	3	11:	3	39:	1
3 JUL	3	7.0	6:	2	24:	12			24 JUL	3	6.5	6:	1	11:	2		
4 JUL	3	7.0	1:	6	11:	3	24:	1	24 JUL	3	3.5	8:	12	11:	3		
6 JUL	3	8.0	12:	4					24 JUL	3	7.5	1:	1	6:	12	22:	1
6 JUL	3	1.0	11:	2								24:	6				
7 JUL	3	8.0	12:	2					24 JUL	3	3.0	8:	3	11:	1		
8 JUL	3	8.0	12:	3					24 JUL	3	7.0	1:	3	8:	4	11:	3
8 JUL	6	3.0	8:	1	11:	3			25 JUL	3	6.5	1:	6	6:	4	11:	6
9 JUL	6	3.0	11:	2								25:	2				
9 JUL	3	7.5	11:	2	23:	3	68:	2	26 JUL	6	3.0	8:	4	10:	3		
9 JUL	3	8.0	12:	3					26 JUL	3	7.0	8:	8	11:	1		
9 JUL	3	7.0	1:	1	8:	1	11:	1	26 JUL	3	1.0						
			24:	4					27 JUL	3	2.0	1:	3	8:	1		
9 JUL	1	4.0	8:	2	24:	3			27 JUL	6	3.0	1:	1	8:	5	11:	2
10 JUL	3	6.0	8:	2	22:	1	24:	27	27 JUL	3	8.0						
10 JUL	3	3.5	1:	1	6:	1	11:	2	28 JUL	3	8.0	24:	2				
			39:	1					28 JUL	3	4.0	1:	2	8:	2	11:	4
11 JUL	3	4.0	1:	3	11:	2						13:	1				

APPENDIX TABLE 11 (CONTINUED).

DATE	ZONE	HOURS FISHED	-- CATCH PER SPECIES --			DATE	ZONE	HOURS FISHED	-- CATCH PER SPECIES --					
29 JUL	3	3.0	8:	1	11:	2	10 AUG	3	2.5	1:	3	6:	12	
29 JUL	3	5.5	24:	3			11 AUG	3	5.5	1:	1	6:	6 11:	
30 JUL	3	6.5					11 AUG	2	3.0	8:	12	11:	5	
30 JUL	6	3.0	8:	9	11:	2	11 AUG	3	2.0	7:	1	8:	1	
30 JUL	3	6.0	8:	5	11:	2	11 AUG	3	3.0	1:	2	8:	5	
30 JUL	3	7.0	6:	16	24:	2	12 AUG	6	7.0	11:	3	24:	4 29:	
31 JUL	3	1.5	11:	6	24:	3 25:	1	12 AUG	3	7.0	1:	2	6:	22 11:
1 AUG	3	3.0	8:	10	11:	1 24:	2			24:	1			
2 AUG	3	3.0	1:	4	8:	2 24:	4	12 AUG	3	5.5	1:	2	6:	12 11:
2 AUG	3	2.0	1:	3	8:	5		13 AUG	3	0.5	6:	2		
2 AUG	3	3.0	11:	2	23:	1 24:	26	13 AUG	6	7.0	6:	1	8:	4 11:
2 AUG	3	3.0	1:	2	6:	9 11:	4			24:	3			
			24:	3				13 AUG	3	3.0	1:	1	7:	2 8:
3 AUG	3	3.0	1:	3	8:	6 11:	1	13 AUG	1	8.0	1:	1	6:	5 11:
			24:	27				14 AUG	1	4.0	1:	1	8:	12
3 AUG	3	3.0	8:	3	11:	3		14 AUG	3	4.0	7:	3	8:	5 11:
4 AUG	3	3.0	11:	1	67:	1 68:	1	14 AUG	3	7.5	1:	3	8:	15 35:
4 AUG	3	1.0	11:	1				15 AUG	2	3.0	1:	1	8:	9 11:
4 AUG	6	3.5	1:	2	6:	12 39:	1			22:	1			
5 AUG	6	3.0	7:	1	8:	9 11:	3	15 AUG	3	4.0	1:	1	8:	21 11:
			22:	2	23:	1		16 AUG	3	3.0	8:	13	24:	2 39:
5 AUG	3	3.0	1:	6	6:	11 11:	6	16 AUG	3	2.5	1:	2	6:	9 11:
5 AUG	3	3.0	7:	1	8:	2 11:	2	17 AUG	3	2.5	1:	4	6:	11 11:
			24:	4						24:	1			
5 AUG	3	3.0	8:	1	11:	2		17 AUG	3	3.5	1:	4	8:	5 24:
6 AUG	3	5.0	1:	4	3:	1 11:	3	17 AUG	3	3.0	1:	1	8:	26 24:
			22:	1	24:	2		17 AUG	3	3.0	1:	2	8:	8 11:
6 AUG	3	6.0	1:	3	8:	14 11:	1			22:	2			
			35:	1				18 AUG	3	3.0	1:	1	8:	7 11:
6 AUG	3	5.5	1:	10	6:	10 11:	5	18 AUG	6	4.0	8:	16	39:	1
6 AUG	6	3.5	1:	5	6:	5 11:	2	18 AUG	6	3.0	8:	3	11:	6 23:
7 AUG	3	3.5	1:	4	6:	6 22:	1			24:	4			
7 AUG	3	1.0	1:	1	11:	1		18 AUG	3	2.5	1:	1	6:	6 7:
7 AUG	3	6.0	1:	2	8:	11 35:	1			11:	2			
			57:	1				19 AUG	3	2.0	6:	14	11:	3
7 AUG	3	3.0	1:	2	8:	3 11:	2	19 AUG	6	3.0	1:	4	3:	1 6:
7 AUG	1	4.0	1:	2	8:	8				8:	2	11:	1 24:	
8 AUG	3	3.0	1:	5	8:	4		19 AUG	3	3.0	8:	15	23:	1
8 AUG	3	3.5	1:	3	6:	8		19 AUG	3	3.0	8:	14	11:	1
9 AUG	2	3.0	1:	8	8:	1		20 AUG	3	2.0	8:	36	11:	1
9 AUG	3	4.0	1:	2	11:	1 39:	1	20 AUG	3	3.5	1:	2	7:	7 22:
10 AUG	3	6.0	1:	1	8:	6 11:	1	20 AUG	3	2.5	1:	1	6:	14 11:
			23:	1				21 AUG	3	6.0	1:	6	6:	22 11:
10 AUG	3	5.0	1:	3	8:	2 11:	1			22:	1			
			24:	1				21 AUG	6	7.5	8:	8	11:	2
10 AUG	3	2.0	7:	1	8:	5 24:	16	21 AUG	3	2.0	8:	13		
10 AUG	2	3.0	1:	2	11:	4		21 AUG	3	3.0	8:	5	11:	3

APPENDIX TABLE 11 (CONTINUED).

DATE	ZONE	HOURS FISHED	--- CATCH PER SPECIES ---				DATE	ZONE	HOURS FISHED	--- CATCH PER SPECIES ---							
21 AUG	1	4.0	8:	16			5 SEP	3	4.0	1:	3	6:	6	11:	2		
22 AUG	3	4.0	1:	2	8:	2	11:	1		22:	1						
22 AUG	3	2.0	1:	1	8:	14			5 SEP	3	7.5	1:	3	6:	13	10:	6
22 AUG	6	5.0	1:	1	8:	6			6 SEP	3	3.0	1:	4	6:	7	11:	2
23 AUG	2	3.0	8:	11	11:	3						23:	1				
23 AUG	3	3.5	1:	4	11:	3	39:	1	6 SEP	3	3.0	8:	2	24:	61		
23 AUG	3	6.0	6:	23	11:	5	39:	1	7 SEP	3	3.0	8:	8	23:	4		
23 AUG	3	2.0	1:	1	8:	9			7 SEP	3	10.0	38:	1				
23 AUG	3	4.0	1:	1	8:	3	11:	2	7 SEP	3	3.0	6:	16	11:	1		
			39:	1					8 SEP	3	3.0	1:	2	11:	1	23:	2
23 AUG	3	3.0	1:	1	8:	7	11:	2				39:	1				
			23:	1					8 SEP	6	1.5	8:	7				
24 AUG	3	3.5	1:	1	8:	11			8 SEP	3	10.0	22:	2				
24 AUG	2	3.0	8:	3	11:	1			8 SEP	3	3.5	1:	3	8:	4	11:	1
26 AUG	3	2.5	6:	9					9 SEP	3	3.0	8:	10	11:	2	22:	1
26 AUG	3	6.0	6:	17	11:	7	24:	1	9 SEP	3	3.0	24:	53				
27 AUG	3	8.0	1:	1	6:	19	11:	4	9 SEP	3	10.0	21:	2				
			24:	16	29:	1	79:	3	9 SEP	6	3.0	8:	10				
27 AUG	3	3.0	8:	6	11:	1	24:	1	9 SEP	3	4.5	6:	9	22:	1	24:	6
27 AUG	1	4.0	1:	2	8:	16	11:	1	10 SEP	6	3.0	1:	1	8:	4	11:	3
27 AUG	3	7.5	1:	5	8:	8	11:	5	10 SEP	3	10.0	11:	12	24:	6		
			24:	10					10 SEP	3	2.0	1:	1	8:	7	24:	3
28 AUG	3	3.0	8:	5					10 SEP	3	3.5	1:	1	8:	3	24:	5
28 AUG	3	7.0	1:	2	8:	4	11:	1	11 SEP	3	5.0	8:	2	24:	13	35:	1
			22:	3	24:	1			11 SEP	3	3.0	8:	1	24:	2		
28 AUG	3	6.0	1:	11	8:	27			11 SEP	3	10.0	11:	2	24:	5		
29 AUG	3	3.0	1:	4	8:	11			11 SEP	3	7.5	6:	10	22:	1	23:	2
29 AUG	3	3.5	1:	2	8:	3	11:	2				24:	20				
29 AUG	6	8.0	8:	2	24:	7	39:	1	12 SEP	3	10.0	11:	1	24:	5		
29 AUG	3	3.0	1:	1	6:	6	7:	1	12 SEP	3	6.0	6:	1	24:	49	68:	1
			11:	3					13 SEP	3	10.0	11:	2	24:	5		
30 AUG	3	3.0	1:	4	6:	12			14 SEP	3	10.0	11:	1	24:	5		
30 AUG	6	4.0	1:	2	8:	5	24:	6	14 SEP	3	6.0	6:	3	24:	69	68:	2
30 AUG	3	3.5	1:	5	22:	1			14 SEP	3	7.5	1:	1	6:	5	11:	2
30 AUG	3	3.0	1:	1	8:	19						22:	2	24:	26		
31 AUG	3	3.0	1:	1	8:	11			16 SEP	6	7.0	1:	1	8:	1	11:	2
31 AUG	2	3.0	1:	3	8:	9	11:	4				24:	10				
31 AUG	3	2.0	1:	5	6:	8	11:	2	17 SEP	3	3.0	1:	1	7:	1	11:	1
2 SEP	3	3.5	1:	6	8:	10	22:	1				24:	23				
2 SEP	3	3.0	8:	8					17 SEP	6	4.0	1:	2	8:	4	24:	3
3 SEP	3	1.0							17 SEP	3	10.0	11:	1	22:	4	38:	2
3 SEP	2	3.0	1:	1	8:	3	11:	1	18 SEP	3	3.0	8:	2	11:	1		
3 SEP	3	7.0	6:	6	11:	2	24:	12	18 SEP	3	3.5	1:	2	11:	2	22:	1
4 SEP	3	3.0	8:	27	11:	1	24:	2				24:	1				
4 SEP	3	3.0	8:	4					20 SEP	3	7.0	1:	3	8:	13	11:	1
5 SEP	3	3.0	1:	1	8:	3	11:	1				24:	2	25:	1	29:	1
			24:	1					21 SEP	3	3.0	1:	1	8:	9	22:	3

APPENDIX TABLE 11 (CONTINUED).

DATE	ZONE	HOURS FISHED	-- CATCH PER SPECIES --				DATE	ZONE	HOURS FISHED	-- CATCH PER SPECIES --					
21 SEP	3	3.0+	39:	1			4 OCT	3	3.0	1:	15				
21 SEP	3	5.0	1:	4	8:	2 24:	12	4 OCT	3	5.0	1:	7	6:	2	
21 SEP	3	7.5	1:	20	6:	6 23:	2	4 OCT	3	8.0	1:	1	24:	31 68:	3
			39:	1				5 OCT	3	6.0	22:	2	23:	1 24:	1
21 SEP	3	3.0	6:	2	24:	5				68:	3				
22 SEP	3	3.5	1:	1	6:	1 22:	3	5 OCT	3	3.0	24:	14			
			24:	20				5 OCT	3	7.0	1:	5	11:	6	
22 SEP	3	3.0	6:	1	8:	1 11:	1	6 OCT	3	3.0	1:	6	11:	8	
23 SEP	3	3.0	8:	1	11:	1 24:	1	6 OCT	3	3.5	1:	11	11:	4	
23 SEP	3	3.5	6:	4	23:	3 24:	1	7 OCT	3	7.0	6:	3	22:	1 24:	4
23 SEP	3	3.0	6:	2				7 OCT	3	2.0	1:	6	11:	6 13:	1
23 SEP	3	3.0	1:	7	6:	9		7 OCT	3	3.0	1:	5	12:	4 24:	10
24 SEP	3	3.0	1:	2	6:	1 24:	20	8 OCT	3	3.0	1:	4	12:	2 24:	3
24 SEP	3	3.0	6:	2	11:	1		8 OCT	3	1.5	1:	2	11:	7	
24 SEP	3	4.5	8:	1	24:	9		8 OCT	3	7.0	1:	3	11:	2 24:	12
24 SEP	3	10.0	11:	5	24:	12		8 OCT	3	3.0	23:	6	24:	2 29:	1
27 SEP	1	4.0	22:	1	24:	2				68:	1				
27 SEP	3	3.0	24:	18				9 OCT	3	3.5	1:	2	11:	4 22:	1
27 SEP	3	2.0	23:	2	24:	5		9 OCT	3	6.5	1:	2	11:	4	
27 SEP	3	3.0	1:	3	11:	1 22:	2	9 OCT	3	4.5	1:	5	6:	4 11:	5
28 SEP	3	3.0	1:	3						23:	4	24:	2		
28 SEP	3	3.0	1:	1	6:	1		10 OCT	3	3.0	1:	4	11:	6	
28 SEP	3	3.0	24:	23				10 OCT	3	3.0	1:	1	8:	3	
28 SEP	3	6.0	23:	2	24:	4 87:	1	10 OCT	3	3.5	1:	2	75:	1	
29 SEP	1	4.0	22:	2				11 OCT	3	3.5	1:	1	23:	2 24:	3
29 SEP	3	4.0	1:	9	8:	1		11 OCT	3	3.0	11:	5			
29 SEP	3	3.0	1:	1	8:	2		11 OCT	3	4.0	1:	4	6:	6 11:	2
29 SEP	3	2.0	6:	1	11:	2				23:	2	24:	3		
29 SEP	3	2.5	11:	1	24:	3		12 OCT	3	3.0	1:	2	22:	9	
29 SEP	3	3.0	1:	4	11:	1		12 OCT	3	3.5	22:	4	24:	11	
30 SEP	3	3.0	1:	7	7:	2 11:	2	13 OCT	3	2.5	7:	6	11:	8 17:	2
			22:	1						25:	1	120:	1		
30 SEP	3	8.0	3:	70	22:	1 24:	50	14 OCT	3	3.0	23:	5			
			29:	2				14 OCT	3	3.0	11:	1			
30 SEP	3	7.5	11:	1	22:	1 24:	71	14 OCT	3	3.0					
30 SEP	3	4.0	1:	11				15 OCT	3	6.5					
1 OCT	3	8.0	23:	4	24:	26		15 OCT	3	2.0	1:	1	23:	13 24:	1
1 OCT	3	1.5	1:	12				15 OCT	3	7.0	24:	13			
1 OCT	3	3.5	11:	1	22:	2 23:	1	16 OCT	3	4.0	1:	1	6:	2 22:	1
1 OCT	3	3.0	1:	7						24:	1				
2 OCT	3	5.5	1:	21	7:	4 11:	2	16 OCT	3	3.0	11:	2			
			39:	1				16 OCT	3	7.0	23:	26	68:	4	
2 OCT	3	8.0	23:	1	24:	31		16 OCT	3	4.0	1:	1	11:	3	
2 OCT	3	7.5	1:	2	11:	1 22:	2	16 OCT	3	2.5	1:	6	11:	5	
			23:	1	61:	2		16 OCT	3	7.0	1:	1	11:	1 24:	1
3 OCT	3	3.0	1:	1	11:	2				29:	1	41:	1 62:	3	
3 OCT	3	3.0	1:	3	24:	6				68:	3	80:	4		

APPENDIX TABLE 11 (CONTINUED).

DATE	ZONE	HOURS FISHED	--- CATCH PER SPECIES ---					DATE	ZONE	HOURS FISHED	--- CATCH PER SPECIES ---						
17 OCT	3	3.0	1:	4	6:	2	11:	3	28 OCT	3	1.0	1:	2				
			23:	3	24:	8			28 OCT	3	3.0	1:	1	8:	2		
17 OCT	3	4.0	8:	21	24:	8			28 OCT	3	3.0	8:	1	11:	1	13:	1
18 OCT	3	7.0	8:	1	22:	1	24:	11				23:	3				
			29:	1	39:	1	68:	19	29 OCT	3	6.0	1:	2	7:	2	11:	1
20 OCT	3	3.0	11:	2	22:	1	24:	13				39:	1				
			68:	7					29 OCT	3	3.0	7:	8				
20 OCT	3	7.0	24:	6					29 OCT	3	3.5	1:	1	6:	6	39:	1
20 OCT	3	8.0	1:	3	6:	7	11:	1	29 OCT	3	3.0	8:	3	23:	1		
			23:	1	24:	21	68:	2	30 OCT	3	4.0	1:	2	8:	2		
20 OCT	3	3.0	22:	5	24:	7			30 OCT	3	3.0	1:	4	8:	1		
21 OCT	3	3.0	11:	1	22:	6	24:	3	30 OCT	3	7.0	11:	1				
21 OCT	3	5.0	1:	2	21:	1	22:	1	30 OCT	3	3.0	1:	2	3:	1	6:	4
			24:	5								7:	2	11:	3		
21 OCT	3	3.5							31 OCT	3	5.5	7:	1	29:	1	39:	3
21 OCT	3	3.0	24:	7	68:	10			31 OCT	3	3.0	1:	2	8:	3		
21 OCT	3	7.0	7:	4	16:	1	20:	2	31 OCT	3	3.5	1:	2	11:	1	24:	1
			23:	1	62:	17	68:	12				39:	2				
22 OCT	3	7.0	20:	1	23:	4	24:	10	1 NOV	3	3.5	1:	3	11:	2	23:	1
			29:	1	62:	13			1 NOV	3	3.0	29:	1				
22 OCT	3	3.0	23:	6	24:	15	29:	1	1 NOV	3	3.0	1:	4	11:	1		
22 OCT	3	3.0	1:	1	11:	1			2 NOV	3	6.5	1:	1	22:	1	39:	2
22 OCT	3	5.0	22:	1	24:	10	39:	1	3 NOV	3	3.0	39:	1				
			68:	10					3 NOV	3	3.0	6:	1	29:	1		
22 OCT	3	6.0	6:	1	22:	2	24:	6	3 NOV	3	3.0	1:	3	8:	7		
23 OCT	3	3.5	11:	2	23:	2	24:	4	3 NOV	3	3.5	11:	2	24:	4		
23 OCT	3	3.0	8:	1	24:	2			3 NOV	3	3.0	7:	2	11:	1	13:	2
23 OCT	3	1.0	23:	5	68:	4			4 NOV	3	3.0	1:	5	7:	1	24:	12
24 OCT	3	3.5	1:	3	3:	1	6:	4				39:	1				
			11:	1					4 NOV	3	3.0	1:	5	8:	4	11:	4
24 OCT	3	6.5	24:	6	39:	1			4 NOV	3	6.5						
25 OCT	3	6.0	1:	6	11:	4			5 NOV	3	3.0	1:	4	11:	2		
25 OCT	3	3.0	1:	2	8:	2	11:	1	5 NOV	3	2.0						
			22:	2					5 NOV	3	3.0	1:	2	24:	3		
25 OCT	3	3.0	1:	6	8:	11			5 NOV	3	3.0	1:	7	4:	20	7:	10
25 OCT	3	7.0	1:	12	6:	8	22:	1				11:	3	12:	1	13:	4
			29:	1	62:	2	79:	1	6 NOV	3	4.0	24:	4				
26 OCT	3	4.0	1:	21	6:	7	7:	2	6 NOV	3	3.0	1:	1	11:	1	75:	1
			11:	2	25:	1			6 NOV	3	7.5	1:	12	6:	6	39:	1
26 OCT	3	3.0	1:	1	6:	8	68:	4	6 NOV	3	2.5	29:	1	39:	1		
26 OCT	3	7.0	8:	4	24:	7			7 NOV	3	3.0	91:	3				
26 OCT	3	3.0	1:	5	11:	2			7 NOV	3	3.0	24:	2	68:	10		
27 OCT	3	3.0	1:	4	11:	4			8 NOV	3	8.0	1:	15				
27 OCT	3	3.0	6:	2	7:	2	35:	1	8 NOV	3	6.5						
27 OCT	3	5.0	1:	2	6:	5	11:	2	9 NOV	3	2.0	1:	12	8:	7	22:	1
27 OCT	3	3.0	1:	2	8:	13			10 NOV	3	4.0	1:	2	11:	1	22:	1
27 OCT	3	3.0	6:	7	7:	3	11:	3									

APPENDIX TABLE 11 (CONTINUED).

DATE	ZONE	HOURS FISHED	--- CATCH PER SPECIES ---							DATE	ZONE	HOURS FISHED	--- CATCH PER SPECIES ---						
10 NOV	3	8.0	1:	21	6:	7	22:	1	21 NOV	3	6.0+	38:	1						
10 NOV	3	6.5	1:	2	11:	4	23:	1	21 NOV	3	3.0	29:	1						
			39:	2					21 NOV	3	3.0	7:	9	11:	4	13:	1		
11 NOV	3	3.0	29:	1	35:	1						74:	2						
11 NOV	3	1.0	1:	1					21 NOV	3	4.0	1:	3	11:	2	23:	2		
11 NOV	3	3.5	1:	2	39:	1			22 NOV	3	3.0	1:	2	24:	3				
11 NOV	3	5.0	1:	9	13:	1	22:	1	23 NOV	3	3.0	8:	6	11:	2	24:	1		
			29:	2	68:	5			23 NOV	3	3.0	24:	2	29:	1				
12 NOV	3	6.0	3:	12	25:	4	68:	5	24 NOV	3	3.0	6:	1						
			79:	1					24 NOV	3	2.5								
12 NOV	3	3.0	21:	1	24:	1			24 NOV	3	3.0	1:	1	11:	1	24:	19		
12 NOV	3	6.5	1:	2	11:	1			24 NOV	3	3.0	1:	3	24:	2				
12 NOV	3	7.0	6:	1	29:	1			25 NOV	3	3.5	1:	2	6:	3	10:	2		
12 NOV	3	6.0	1:	3	6:	2	7:	2				24:	1						
			11:	8	39:	1			25 NOV	3	3.0	23:	1	24:	1				
13 NOV	3	4.0	1:	2	11:	3			25 NOV	3	4.0	11:	3						
13 NOV	6	8.5	1:	9	6:	11	11:	1	25 NOV	3	3.0	8:	7	11:	1				
			19:	2					25 NOV	3	6.0	8:	3	11:	1				
14 NOV	3	3.0	1:	5	8:	7			25 NOV	3	3.0	6:	1						
14 NOV	3	6.5	1:	2	10:	1	23:	1	26 NOV	3	3.0	6:	1	24:	2				
			39:	1					26 NOV	3	5.5	8:	6	11:	3				
14 NOV	3	6.5	1:	2	8:	2	11:	1	26 NOV	3	3.0	8:	16	11:	2				
			13:	1	22:	1			26 NOV	3	3.5	1:	1	10:	1	24:	3		
14 NOV	3	3.0	6:	2	22:	1						39:	1						
15 NOV	3	3.0	1:	1	8:	2	11:	3	26 NOV	3	2.0	1:	3	6:	2	7:	2		
15 NOV	3	6.5	1:	4	6:	2	22:	1				23:	3						
			24:	1					27 NOV	3	4.0	1:	6	11:	2	22:	1		
15 NOV	3	3.0	11:	1	23:	1	24:	1	27 NOV	3	3.5	1:	4	6:	2				
15 NOV	3	7.0	1:	5	6:	6	11:	1	27 NOV	3	4.0	1:	3	6:	5	11:	1		
			24:	2					27 NOV	6	3.0	8:	6	11:	4				
15 NOV	3	3.0	1:	10	6:	1	7:	10	28 NOV	3	3.0	24:	4						
16 NOV	3	4.0	11:	1	39:	1			28 NOV	3	3.0	8:	2	23:	2	24:	6		
16 NOV	3	3.0	1:	5	11:	1			28 NOV	3	8.0	1:	4	11:	1	22:	2		
16 NOV	3	3.0	11:	1	13:	1	22:	1	29 NOV	2	3.0	1:	5	2:	2	7:	6		
17 NOV	3	3.0	11:	2								11:	1	19:	2				
17 NOV	3	4.0	23:	2					29 NOV	3	3.0	11:	1						
18 NOV	3	7.0	1:	6	8:	11	11:	4	30 NOV	3	3.0	1:	3	6:	1	24:	3		
			39:	1					30 NOV	3	3.0	1:	13	6:	6	24:	15		
18 NOV	3	3.5	1:	7	6:	5			1 DEC	3	3.0	22:	1	24:	4				
18 NOV	3	3.0	11:	2					1 DEC	3	7.0	8:	6	24:	12				
19 NOV	3	6.0	11:	2	13:	1			1 DEC	3	3.5	1:	2	11:	3	23:	1		
19 NOV	3	3.0	1:	4	8:	16	11:	3	2 DEC	3	4.0	1:	5	11:	1				
19 NOV	3	7.0	1:	3	6:	4	22:	1	3 DEC	3	8.0	1:	6	8:	2	24:	4		
			24:	9					3 DEC	3	6.0	8:	8	11:	3	29:	1		
20 NOV	3	3.5	1:	6	11:	1	24:	2	3 DEC	3	6.0	1:	2	11:	1	23:	1		
20 NOV	3	3.0	8:	6					5 DEC	3	2.5	1:	6	6:	3				
21 NOV	3	6.0	8:	8	29:	2	35:	1	5 DEC	3	3.5	1:	5	11:	2	24:	3		

APPENDIX TABLE 11 (CONTINUED).

DATE	ZONE	HOURS FISHED	--- CATCH PER SPECIES ---				DATE	ZONE	HOURS FISHED	--- CATCH PER SPECIES ---							
6 DEC	3	7.0	1:	2	11:	2	23:	1	20 DEC	3	4.0	1:	1	2:	1	24:	4
			24:	3					21 DEC	3	3.0	11:	1				
7 DEC	3	3.0	39:	2					22 DEC	3	2.0	8:	11	11:	1		
7 DEC	6	3.0	11:	1					22 DEC	3	3.0						
7 DEC	3	4.0	1:	3	8:	5	11:	2	23 DEC	3	5.5	8:	6	11:	5		
7 DEC	3	4.0	1:	4	2:	1	6:	2	23 DEC	3	3.0	8:	9	75:	1		
			7:	1					24 DEC	3	4.0	11:	2				
8 DEC	3	4.0	1:	10	8:	15	23:	3	24 DEC	3	6.0	8:	8	11:	8		
8 DEC	3	7.5	1:	3	3:	2	22:	1	25 DEC	3	4.0	1:	1	24:	4		
			24:	15					26 DEC	3	3.0	8:	6				
8 DEC	3	6.5	1:	4	6:	2	11:	2	26 DEC	3	3.0	1:	2	6:	4	11:	1
			39:	1					27 DEC	3	6.5	6:	3	11:	3	24:	3
9 DEC	3	3.0	6:	4	23:	2			27 DEC	3	4.0	3:	11	11:	2		
9 DEC	3	3.0	35:	1					28 DEC	3	6.0	11:	2	24:	1	29:	1
9 DEC	3	3.0	8:	3	11:	1	23:	1	28 DEC	3	6.5	6:	7	11:	2		
			24:	4					29 DEC	3	6.0	1:	1	6:	5	11:	2
10 DEC	3	4.0	1:	2	7:	1	11:	2				39:	1				
			23:	2					29 DEC	3	2.0	1:	4	8:	2	11:	1
10 DEC	3	3.0	1:	1	8:	3	11:	3	30 DEC	3	5.5	6:	6	23:	2	24:	8
10 DEC	3	3.5	1:	8	11:	3	23:	2				29:	2	35:	1	39:	1
			24:	3													
10 DEC	3	3.0	24:	6													
11 DEC	3	3.0	12:	1	23:	1											
11 DEC	3	3.5	1:	6	11:	1	24:	2									
11 DEC	3	4.0	1:	5	11:	1	22:	1									
			24:	2													
11 DEC	3	2.0	23:	6	24:	3											
13 DEC	3	4.0	1:	1	11:	3											
13 DEC	3	7.0	1:	1	8:	8	11:	3									
13 DEC	3	3.0	24:	4													
13 DEC	3	6.0	1:	1	11:	1											
14 DEC	3	8.0	1:	2	8:	7	23:	2									
			39:	1													
15 DEC	3	4.0	8:	7	11:	1											
15 DEC	3	3.5	1:	3	11:	2	22:	1									
			29:	1													
15 DEC	3	3.0	1:	2	24:	1											
16 DEC	3	6.0	8:	8	11:	4											
16 DEC	3	3.0	23:	2	24:	7											
17 DEC	3	4.0	1:	2	11:	2	39:	1									
17 DEC	3	3.0	24:	31													
17 DEC	3	3.5	1:	7	11:	1	39:	1									
17 DEC	3	6.0	8:	5	11:	6	21:	1									
17 DEC	3	3.0	1:	1	8:	1											
18 DEC	3	3.0	24:	6													
18 DEC	3	3.0	23:	2	24:	26											
19 DEC	3	3.0	1:	1	8:	6	24:	5									

APPENDIX TABLE 12. LOGGED 1983 NON-TROLLING CATCH AND EFFORT FROM SOUTHEAST FLORIDA

DATE	ZONE	HOURS FISHED	-- CATCH PER SPECIES --				DATE	ZONE	HOURS FISHED	-- CATCH PER SPECIES --					
3 APR	3	3.0	11:	2			6 MAY	6	8.0	7:	20	10:	1	13:	9
3 APR	2	8.0	29:	1	35:	3	87:	2		103:	1				
4 APR	6	3.0	3:	8	35:	1			6 MAY	3	0.5	13:	2		
4 APR	3	4.0	13:	3	75:	1	79:	2	7 MAY	6	3.0	7:	30	13:	12
5 APR	3	6.0	13:	3	80:	1			7 MAY	3	1.0	13:	3		
5 APR	6	3.0	3:	12	6:	1	35:	1	7 MAY	3	1.0	13:	2		
6 APR	2	3.0	3:	10					8 MAY	3	8.0	13:	42	24:	9
6 APR	3	2.0	13:	21							60:	2			
6 APR	3	4.0	5:	2	35:	2	80:	1	8 MAY	2	2.0	13:	2		
9 APR	3	4.0	8:	1	80:	2			10 MAY	3	0.5	13:	1		
9 APR	3	1.0	13:	6					13 MAY	3	0.5	13:	2		
10 APR	3	2.0	13:	12	17:	1			14 MAY	2	1.0	2:	1	13:	1
10 APR	2	4.0	35:	2					15 MAY	3	4.0	13:	24	35:	1
11 APR	2	4.0	13:	3					17 MAY	3	1.0	80:	1		
12 APR	3	2.0	13:	4	37:	2			19 MAY	3	7.0	11:	2	13:	41
12 APR	1	2.0	126:	15					20 MAY	3	8.0	13:	21	24:	8
13 APR	3	0.5	126:	10					21 MAY	3	1.0	13:	6		
14 APR	5	1.0	82:	12	126:	8			21 MAY	6	2.0	29:	1	35:	1
16 APR	3	3.0	5:	1	79:	3	80:	3	22 MAY	6	5.0	7:	40	13:	22
16 APR	3	1.0	13:	2					25 MAY	3	1.5	13:	6		
17 APR	6	2.0	11:	4	13:	9			27 MAY	1	2.0	75:	1		
17 APR	3	0.5	37:	3					28 MAY	3	3.0	79:	6	80:	1
17 APR	2	4.0	8:	3	13:	2	35:	1	29 MAY	6	4.0	7:	20	13:	18
20 APR	3	3.0	13:	5	37:	2			29 MAY	3	2.0	13:	1	79:	4
21 APR	3	2.5	13:	4					1 JUN	3	2.0	79:	8	80:	1
23 APR	3	3.0	13:	3	29:	1			3 JUN	3	1.0	13:	2		
26 APR	3	4.0	80:	7					4 JUN	3	1.0	79:	2		
26 APR	2	1.0	13:	2					5 JUN	1	2.0	35:	1		
26 APR	3	4.0	18:	2	54:	2			12 JUN	3	2.0	79:	4	80:	9
26 APR	3	4.0	1:	2	13:	2	26:	6	12 JUN	3	1.0	13:	2		
			99:	30	118:	2			14 JUN	3	0.5	79:	2		
27 APR	3	1.0	118:	10					16 JUN	2	2.0	13:	1	14:	15
27 APR	3	6.0	17:	1	24:	40	54:	20			20:	3	118:	6	133:
27 APR	3	3.0	13:	4	24:	1	80:	4	18 JUN	1	2.0				
28 APR	3	3.0	13:	5					22 JUN	1	1.0	35:	1		
28 APR	2	1.0	13:	1					25 JUN	6	3.0	8:	6	11:	3
28 APR	3	0.5							26 JUN	3	2.0	13:	5		
29 APR	3	3.0	39:	1	80:	3			2 JUL	3	4.0	79:	10		
30 APR	3	3.0	13:	2	39:	1			2 JUL	1	4.0	7:	4	26:	6
1 MAY	3	6.0	11:	1	13:	27			5 JUL	3	3.0	79:	1	80:	1
1 MAY	3	1.5	13:	2	80:	3			6 JUL	3	6.0	79:	3	80:	8
2 MAY	2	4.0	13:	5					10 JUL	3	2.0	80:	7		
3 MAY	3	1.0	13:	2	80:	1			12 JUL	3	0.5	79:	3		
3 MAY	3	6.0	26:	30	54:	10			13 JUL	3	1.0	75:	1		
4 MAY	3	2.0	13:	4					14 JUL	3	1.0	79:	1	80:	3
4 MAY	3	3.0	13:	2	24:	2			14 JUL	6	1.0	79:	2		
5 MAY	3	2.0	13:	2					17 JUL	3	2.0	35:	1	75:	2

APPENDIX TABLE 12 (CONTINUED).

DATE	ZONE	HOURS FISHED	--- CATCH PER SPECIES ---			DATE	ZONE	HOURS FISHED	--- CATCH PER SPECIES ---		
17 JUL	3	1.5	75:	1		13 OCT	2	2.0	10:	1	
21 JUL	3	1.0	79:	7		14 OCT	3	1.0	7:	1	
22 JUL	3	2.5	13:	2	79: 2	15 OCT	3	2.0	79:	2 82: 9	
22 JUL	3	1.0	79:	1	114: 1	20 OCT	3	2.0	20:	1 50: 9 79: 16	
23 JUL	3	0.5							82:	21	
24 JUL	3	3.0	35:	2		22 OCT	3	1.0	6:	6	
26 JUL	3	3.0	79:	12	80: 4	23 OCT	3	2.5	29:	4 35: 1	
27 JUL	3	2.0	79:	9		25 OCT	3	4.0	35:	1 62: 10 79: 2	
27 JUL	6	3.0	8:	7	11: 3	26 OCT	3	5.0	13:	3 20: 1 62: 21	
28 JUL	3	3.0	11:	1	75: 1 79: 2				79:	15 82: 32	
			80:	1		4 NOV	3	0.5	62:	3 82: 6	
29 JUL	3	3.0	35:	2		5 NOV	3	1.0	19:	1	
30 JUL	3	0.5	79:	2		6 NOV	3	3.0	91:	1	
4 AUG	3	2.0	35:	1	79: 1 80: 5	6 NOV	3	1.0			
5 AUG	3	0.5	80:	1		6 NOV	3	2.0	1:	10 3: 22 7: 8	
6 AUG	3	0.5							12:	1 13: 5	
7 AUG	3	1.0				8 NOV	3	1.0	13:	1 82: 1	
7 AUG	3	2.0				8 NOV	3	3.0	5:	1	
8 AUG	3	2.5				9 NOV	3	1.0	82:	16	
10 AUG	3	2.0	79:	3	80: 2 114: 1	11 NOV	3	2.0	82:	21	
11 AUG	3	2.0	79:	6	80: 1	11 NOV	2	2.0	3:	6 6: 2 62: 4	
13 AUG	3	1.0	79:	1	80: 2	12 NOV	2	2.0	7:	5 13: 6 19: 2	
13 AUG	1	1.0	24:	2		12 NOV	3	7.0	7:	30 39: 1	
13 AUG	3	2.5				12 NOV	3	0.5	80:	1 82: 1	
15 AUG	3	2.0	35:	1		18 NOV	3	1.0	13:	1 41: 9 82: 31	
19 AUG	3	0.5	80:	4		26 NOV	2	1.0	3:	2	
20 AUG	3	2.0	35:	1		7 DEC	3	4.0	13:	4	
21 AUG	3	2.0	35:	1		8 DEC	3	4.0	13:	5 37: 1 79: 5	
22 AUG	3	2.0	35:	1					82:	4	
23 AUG	3	2.0	35:	1		11 DEC	3	1.0	82:	12	
24 AUG	3	0.5	79:	4		13 DEC	3	1.0	82:	6	
26 AUG	3	3.0	79:	7	80: 9	17 DEC	3	1.0	80:	2	
27 AUG	3	1.0				18 DEC	3	1.0	80:	5	
28 AUG	3	2.0	79:	11	80: 3	21 DEC	3	1.0	13:	1 62: 10	
31 AUG	3	0.5	79:	2		22 DEC	3	1.0	75:	1	
2 SEP	3	1.0	79:	2		26 DEC	3	0.5	13:	1	
3 SEP	3	2.0	79:	1		28 DEC	3	2.0	62:	9	
5 SEP	3	1.5	79:	6	80: 7						
7 SEP	3	2.0	79:	2	80: 5						
10 SEP	3	2.0	62:	3	79: 2 80: 1						
17 SEP	3	2.0	79:	3	81: 6						
29 SEP	3	1.0									
5 OCT	3	2.0	13:	1	14: 21 79: 1						
9 OCT	3	4.0	41:	1	50: 6 62: 13						
			82:	15	118: 2						
11 OCT	3	4.0	29:	1	41: 1 50: 3						
			62:	5	82: 10						

APPENDIX TABLE 13. LOGGED 1983 TROLLING CATCH AND EFFORT FROM SOUTH FLORIDA

DATE	ZONE	HOURS FISHED	--- CATCH PER SPECIES ---				DATE	ZONE	HOURS FISHED	--- CATCH PER SPECIES ---					
2 JAN	2	6.0	1:	9	11:	1	25:	2	2 APR	3	4.0	24:	2	55:	1
3 JAN	6	6.0	11:	2	17:	1	22:	3	2 APR	6	4.0				
			25:	3					2 APR	3	4.0	24:	4		
4 JAN	6	6.0	1:	5	19:	2	23:	3	2 APR	3	4.5	6:	7	23:	4
			25:	3	26:	1			3 APR	3	2.5	23:	12		
6 JAN	2	6.0	1:	2	6:	1	11:	5	3 APR	2	1.5	11:	1	19:	1
			25:	4	26:	1	60:	2	4 APR	2	2.0	11:	5		
8 JAN	6	6.0	6:	1	11:	2	19:	2	4 APR	2	1.5	6:	2	11:	2
			23:	1	39:	1			4 APR	3	6.0	6:	3	23:	14
9 JAN	3	6.0	1:	3	6:	9	11:	2	4 APR	6	3.0	3:	2	24:	2
			23:	2	25:	1			4 APR	6	6.0	11:	7	19:	4
10 JAN	6	6.0	6:	1	11:	3	25:	3	4 APR	3	8.0	23:	17		
			39:	1					4 APR	2	1.5	11:	6		
12 JAN	2	6.0	11:	5	25:	4			5 APR	2	5.0	11:	3		
15 JAN	2	6.0	6:	2	11:	8	18:	2	5 APR	3	6.0	24:	7	75:	1
			25:	10					5 APR	3	7.0	1:	2	6:	2
16 JAN	2	6.0	1:	2	6:	1	11:	5				24:	1	91:	1
			19:	2	25:	2			5 APR	2	2.0	11:	4	13:	1
21 JAN	2	6.0	1:	7	11:	3	19:	1	5 APR	3	6.0	24:	4		
			24:	5	25:	7			6 APR	3	4.0	24:	6		
25 JAN	2	6.0	1:	1	6:	2	11:	1	6 APR	2	1.0	11:	3	19:	1
			13:	1	19:	1	25:	17	6 APR	3	5.0	6:	4	23:	21
26 JAN	2	6.0	6:	1	11:	6	19:	2	6 APR	3	3.0			24:	16
			25:	9					6 APR	3	2.0	13:	2		
27 JAN	6	6.0	1:	11	6:	1	11:	2	6 APR	2	3.0	11:	6	24:	1
			19:	1	25:	6			7 APR	3	6.0	22:	2	23:	1
28 JAN	3	6.0	22:	1	24:	1			7 APR	6	2.0	11:	4	22:	1
29 JAN	6	6.0	1:	8	6:	2	11:	2				39:	1	24:	2
			19:	1	25:	6			7 APR	3	6.0	24:	4		
30 JAN	6	6.0	1:	9	6:	2	19:	1	7 APR	3	5.0	6:	4	23:	12
			24:	2	39:	1			7 APR	3	6.0	24:	1		
1 FEB	3	2.0	24:	5					8 APR	6	4.0	6:	3	11:	1
3 FEB	2	6.0	1:	17	6:	4	11:	1				23:	5	24:	16
			25:	5					8 APR	3	2.0	1:	1	8:	2
4 FEB	2	3.0	1:	1	11:	3	25:	1	8 APR	2	2.5	24:	2	24:	2
5 FEB	2	6.0	1:	14	6:	1	11:	2	8 APR	6	2.0	11:	4	40:	1
			25:	2					9 APR	3	6.0	6:	1	8:	4
28 MAR	6	4.0	6:	1	11:	4						24:	6	11:	2
29 MAR	2	0.5	11:	1					9 APR	6	6.0	1:	2	11:	1
30 MAR	2	7.0	5:	5	39:	1						25:	3	26:	1
31 MAR	6	4.0	11:	6	25:	4			9 APR	6	4.0	6:	2	24:	3
1 APR	2	5.0	8:	4	11:	4	24:	1	9 APR	3	2.5	24:	7	25:	1
			78:	1					10 APR	6	3.0	11:	2		
1 APR	2	3.0	6:	3	11:	1	19:	2	10 APR	3	5.0	6:	2	23:	9
			25:	2					10 APR	3	4.0	11:	1	24:	1
1 APR	2	3.0	2:	3	23:	1			10 APR	3	6.0	24:	9		
1 APR	3	5.0	24:	14					10 APR	6	5.0	5:	2	6:	2

APPENDIX TABLE 13 (CONTINUED).

DATE	ZONE	HOURS FISHED	--- CATCH PER SPECIES ---				DATE	ZONE	HOURS FISHED	--- CATCH PER SPECIES ---					
10 APR	6	5.0+	24:	1	25:	1	20 APR	3	4.0	6:	8	22:	1	23:	1
10 APR	6	4.5	11:	2	24:	5	21 APR	6	4.5	11:	11	12:	2	13:	1
11 APR	6	2.0	19:	2	24:	3	25:	1	21 APR	3	1.0	6:	1		
11 APR	6	5.5	5:	1	11:	2	19:	2	21 APR	2	2.0				
			25:	1					21 APR	3	7.0	8:	7	13:	3
												24:	38		
11 APR	2	4.0	11:	5	81:	6									
11 APR	3	4.0	22:	1	23:	13	21 APR	3	5.0	23:	1	24:	37		
11 APR	6	4.0	11:	1	24:	1	22 APR	3	3.0	13:	2	24:	18		
12 APR	3	5.0	6:	4	23:	7	24:	43	22 APR	3	3.5	6:	1	23:	1
			50:	2	80:	3			22 APR	6	7.0	13:	1	23:	7
												25:	1		
12 APR	3	4.0	11:	3	24:	1	25:	2				68:	4	80:	2
12 APR	2	2.0	11:	4	19:	3			22 APR	3	4.0	11:	1	24:	5
12 APR	2	2.0	12:	2	19:	1						39:	1	25:	1
13 APR	3	4.5	22:	1	23:	1	24:	4	22 APR	3	2.0	6:	1	24:	1
13 APR	2	2.0	11:	6					22 APR	3	8.0	23:	5	24:	45
14 APR	6	2.0	11:	4	24:	5			22 APR	3	1.5			68:	9
15 APR	3	3.0	6:	2	13:	1	24:	1	23 APR	1	5.0	11:	25		
15 APR	3	6.0	23:	1	24:	15	25:	1	23 APR	6	4.0	8:	2	11:	2
15 APR	3	3.0	12:	1	22:	1	23:	1				23:	3	24:	3
			24:	2					23 APR	3	4.0	8:	2	23:	5
												68:	1	24:	17
15 APR	3	2.0	24:	4											
15 APR	3	2.0	22:	2	68:	2			23 APR	3	1.0	24:	1		
15 APR	6	3.0	11:	1	12:	2	19:	1	24 APR	3	7.5	6:	2	23:	2
16 APR	3	4.0	23:	1	39:	1						68:	1	24:	37
16 APR	3	6.0	6:	4	22:	2	24:	18	24 APR	3	4.0	22:	1	23:	7
16 APR	3	4.0	13:	2	14:	1	79:	2	24 APR	3	2.5	24:	4	24:	3
			80:	1					24 APR	2	3.0	13:	2		
16 APR	3	6.0	6:	1	12:	1	23:	2	24 APR	3	6.0	6:	4	11:	1
16 APR	3	5.0	11:	1	23:	1	25:	1	24 APR	6	4.5	12:	1	19:	1
16 APR	1	3.0	11:	8	18:	1			25 APR	3	4.0	6:	1	23:	1
18 APR	2	2.0	11:	1					25 APR	3	7.0	6:	4	11:	1
18 APR	6	2.0	11:	1	22:	1						23:	9	24:	20
18 APR	6	6.0	19:	2					25 APR	3	6.0	24:	52		
18 APR	3	6.0	1:	1	13:	4	22:	1	26 APR	3	7.0	13:	2	22:	1
			23:	2	24:	2						24:	35	23:	7
									26 APR	3	8.0	11:	1	22:	1
18 APR	3	1.5										39:	1	68:	1
19 APR	3	6.0	6:	8	13:	4	24:	6	26 APR	6	4.0	11:	2	25:	1
			25:	2					26 APR	3	7.0	8:	2	11:	1
19 APR	3	7.0	1:	1	3:	1	6:	3	27 APR	6	4.5	1:	1	11:	2
			11:	1	13:	3	23:	2				75:	1	25:	1
			24:	2	39:	1			27 APR	3	8.0	24:	7		
19 APR	3	3.0							27 APR	3	4.0	24:	14	60:	1
19 APR	3	3.0	13:	2	22:	1	24:	28	27 APR	6	6.0	6:	1	11:	1
20 APR	3	7.0	8:	2	13:	2	24:	35				24:	1	19:	1
20 APR	3	2.0	6:	1	23:	1			27 APR	3	7.0	13:	3	22:	1
20 APR	3	1.5										24:	1	25:	2
20 APR	3	6.5	23:	3	24:	7			27 APR	3	7.0	13:	3	22:	1
												24:	7	23:	9

APPENDIX TABLE 13 (CONTINUED).

DATE	ZONE	HOURS FISHED	-- CATCH PER SPECIES --				DATE	ZONE	HOURS FISHED	-- CATCH PER SPECIES --							
27 APR	3	6.5	24:	22	39:	1	6 MAY	3	4.0	8:	3	13:	1				
28 APR	3	7.0	8:	1	13:	2	24:	23	6 MAY	2	1.5	11:	5				
28 APR	6	3.5	19:	1			6 MAY	3	4.0	24:	32						
28 APR	3	4.0	23:	1	39:	1	6 MAY	3	6.0	8:	4	11:	1				
28 APR	3	5.0	23:	2	24:	1	39:	1	6 MAY	3	7.5	6:	3	8:	5	11:	1
29 APR	3	4.0	23:	1	36:	1					13:	2	23:	5	24:	9	
29 APR	2	2.5	1:	1	8:	1	11:	2	6 MAY	3	7.0	11:	1	24:	19		
29 APR	3	6.0	13:	5	23:	3			6 MAY	3	7.0	8:	4	24:	27		
29 APR	3	7.0	24:	57					6 MAY	2	2.0	3:	1	19:	1		
30 APR	3	7.0	24:	10					7 MAY	3	6.0	11:	1	24:	4	39:	1
30 APR	3	7.0	11:	1	24:	40			7 MAY	3	8.0	6:	2	8:	6	11:	1
30 APR	3	7.5	6:	2	23:	12	24:	4			22:	1	23:	5	24:	13	
30 APR	3	7.5	22:	3	24:	11			7 MAY	3	5.5	24:	11				
30 APR	3	5.0	23:	1	24:	4			7 MAY	3	4.0	6:	7	24:	11		
30 APR	3	8.0	1:	2	8:	3	11:	1	7 MAY	3	7.5	23:	5	24:	37	68:	1
			13:	4	22:	1	24:	2	8 MAY	3	6.5	23:	7	24:	26	68:	2
			39:	1					8 MAY	3	6.0	24:	4				
30 APR	3	4.5	11:	1	23:	3	24:	1	8 MAY	3	8.0	6:	2	24:	13	68:	2
30 APR	1	4.0	11:	10					8 MAY	3	2.0	24:	2				
30 APR	3	5.0							8 MAY	3	6.0	24:	3				
1 MAY	1	3.0	11:	7					8 MAY	3	6.0	23:	24	24:	1		
1 MAY	2	1.0	11:	3					8 MAY	3	3.5	24:	1				
1 MAY	3	7.5	22:	3	24:	42			9 MAY	3	2.5	39:	1				
1 MAY	3	7.5	24:	9					9 MAY	3	2.5						
1 MAY	3	7.5	6:	4	8:	2	13:	1	9 MAY	3	6.0	13:	2	23:	2	24:	4
			23:	5	24:	10			9 MAY	3	1.5	39:	1				
1 MAY	3	7.0	8:	3	11:	1	13:	2	9 MAY	3	3.5	8:	2	22:	1	24:	2
			24:	11					10 MAY	3	8.0	22:	1	24:	16		
1 MAY	3	7.0	11:	1	23:	6	24:	11	10 MAY	3	2.5	24:	10				
2 MAY	3	6.0	8:	4	24:	2			10 MAY	3	6.0	19:	1	24:	2		
2 MAY	3	8.5	24:	7					10 MAY	3	6.0	24:	4				
2 MAY	3	7.5	11:	1	23:	5	24:	26	11 MAY	3	6.0	8:	4	23:	1	24:	2
			68:	3							39:	1					
2 MAY	6	3.0	11:	1	19:	1	26:	2	11 MAY	3	6.0	24:	9				
			60:	1					11 MAY	3	7.0	23:	2	24:	21		
3 MAY	3	7.0	23:	4	24:	42			12 MAY	3	6.0	6:	8	11:	3		
3 MAY	3	8.0	24:	26					12 MAY	3	6.0	24:	16				
3 MAY	3	4.5	24:	1	39:	1			12 MAY	3	6.0	11:	1	24:	18	68:	2
3 MAY	3	4.5	6:	3	8:	2	23:	7	12 MAY	3	3.0	24:	2	39:	1		
			24:	1					13 MAY	3	6.0	2:	1	24:	7		
4 MAY	3	8.0	8:	5	11:	1	22:	1	13 MAY	3	4.0	6:	7	22:	1	68:	1
			23:	6	24:	14			13 MAY	3	5.0	11:	1	23:	1	24:	17
4 MAY	3	6.0	6:	1	8:	2	22:	1			68:	3					
			24:	4					13 MAY	3	7.0	13:	2	22:	1	23:	7
4 MAY	3	4.0									24:	34					
5 MAY	2	4.5	11:	21	19:	3			13 MAY	3	3.5	6:	1	8:	1	23:	3
5 MAY	3	7.0	23:	3	24:	32					24:	6					

APPENDIX TABLE 13 (CONTINUED).

DATE	ZONE	HOURS FISHED	-- CATCH PER SPECIES --				DATE	ZONE	HOURS FISHED	-- CATCH PER SPECIES --					
13 MAY	3	7.0	11:	2	24:	20	68:	14	20 MAY	3	6.0+	24:	4		
13 MAY	3	6.0	6:	2	10:	1	21:	2	20 MAY	2	3.0	6:	2	12:	21
			22:	2	39:	1			20 MAY	2	3.0	11:	6	19:	2
13 MAY	3	7.0	8:	1	11:	1	23:	1	21 MAY	2	6.0	11:	8	12:	20
			24:	13					21 MAY	3	4.0	6:	1	11:	1
13 MAY	3	6.0	6:	2	8:	50	12:	1	21 MAY	3	7.0	22:	1	23:	1
			23:	1	24:	2						39:	1	24:	23
14 MAY	3	6.0	6:	7	24:	4	25:	2	21 MAY	3	7.0	24:	49		
14 MAY	3	8.0	23:	6	24:	21	68:	7	21 MAY	3	3.0	13:	2	24:	19
14 MAY	3	6.0	6:	12	23:	1	24:	4	21 MAY	3	6.5	23:	10	24:	40
			25:	2	39:	1			21 MAY	3	7.0	11:	1	23:	11
14 MAY	3	7.0	7:	2	8:	2	11:	1	22 MAY	3	6.0	23:	10	24:	21
			24:	19					22 MAY	3	3.0	6:	4	23:	9
14 MAY	3	7.5	11:	1	23:	3	24:	39	22 MAY	3	6.0	24:	16		
			68:	3					22 MAY	3	3.0	1:	1	6:	4
14 MAY	3	6.0	6:	1	23:	12	24:	37	23 MAY	3	3.0	24:	12		
14 MAY	3	7.0	8:	5	24:	40			23 MAY	3	3.5	24:	6		
14 MAY	3	6.0	3:	1	6:	12			23 MAY	3	7.0	6:	3	23:	8
15 MAY	3	6.0	1:	1	6:	6	11:	2				68:	1	24:	41
			24:	4					24 MAY	3	6.5	23:	1	24:	38
15 MAY	3	6.0	6:	1	22:	1	24:	6	24 MAY	3	3.0	23:	3	24:	4
15 MAY	3	5.0	6:	2	23:	6	24:	1	24 MAY	3	7.5	24:	23	68:	9
			68:	1					24 MAY	3	3.0	11:	1	24:	10
15 MAY	3	3.0	13:	3	23:	7	24:	18	25 MAY	3	6.0	24:	25	55:	1
15 MAY	3	8.0	23:	7	24:	10			25 MAY	6	7.0	24:	88		
15 MAY	3	6.0	6:	4	11:	1	22:	1	25 MAY	3	7.0	24:	21	55:	1
16 MAY	3	8.5	13:	1	23:	1	24:	5	25 MAY	2	2.5	10:	1		
			68:	1					25 MAY	3	6.0	23:	1	24:	10
16 MAY	3	5.0	6:	5	24:	1			25 MAY	3	5.0	23:	1	24:	57
16 MAY	3	6.5	22:	8	24:	37	39:	1	25 MAY	3	7.0	22:	2	24:	42
16 MAY	3	7.0	6:	4	13:	3	23:	9	25 MAY	3	6.0	24:	50		
			24:	24					25 MAY	3	8.0	23:	2	24:	16
16 MAY	3	5.0	6:	6	24:	1			26 MAY	3	4.0	22:	1	24:	3
17 MAY	3	7.0	23:	2	24:	38			26 MAY	3	6.0	24:	30		
17 MAY	3	6.0	8:	1	23:	6	24:	3	26 MAY	3	7.0	8:	3	11:	1
			61:	1								24:	38	22:	1
17 MAY	3	2.5							26 MAY	3	5.0	24:	43		
17 MAY	3	8.0	24:	24	68:	2			26 MAY	3	7.0	6:	1	8:	2
17 MAY	3	8.5	24:	9								24:	13	23:	2
17 MAY	3	2.0	6:	3	24:	1			26 MAY	3	6.0	24:	12		
18 MAY	3	6.0	6:	6	24:	16			26 MAY	3	6.0	6:	2	10:	1
18 MAY	3	5.0	6:	1	11:	2	24:	2	26 MAY	3	6.0	24:	38	24:	8
18 MAY	3	7.0	22:	1	24:	6			26 MAY	3	7.5	10:	2	24:	108
18 MAY	3	7.0	6:	6	23:	7	24:	30	26 MAY	3	6.0	24:	3	38:	1
19 MAY	2	3.0	1:	1	8:	3			27 MAY	3	6.0	24:	30		
20 MAY	6	4.5	10:	2	24:	24			27 MAY	3	7.5	12:	1	13:	1
20 MAY	3	6.0	6:	1	11:	3	23:	1	27 MAY	6	6.0	10:	1	24:	1
												39:	1		

APPENDIX TABLE 13 (CONTINUED).

DATE	ZONE	HOURS			DATE	ZONE	HOURS				
		FISHED	--- CATCH PER SPECIES ---				FISHED	--- CATCH PER SPECIES ---			
27 MAY	3	2.0	3: 1	6: 1	5 JUN	3	6.5+	24: 6			
27 MAY	3	3.0	8: 2	11: 2	24: 5	5 JUN	3	7.0	8: 6	11: 1	13: 1
27 MAY	3	6.5	24: 15					22: 1	23: 13	24: 18	
27 MAY	4	4.0	24: 15		5 JUN	3	6.0	11: 1	24: 30		
27 MAY	3	6.0	8: 11	11: 1	24: 7	5 JUN	3	6.0	24: 2		
27 MAY	3	8.0	23: 2	24: 31	68: 1	5 JUN	3	6.0	6: 2	11: 1	24: 18
28 MAY	3	6.0	8: 3	24: 10	39: 1	5 JUN	3	8.0	23: 1	24: 3	
28 MAY	3	6.5	24: 42	61: 1		6 JUN	3	2.0	23: 2	24: 40	
28 MAY	3	7.0	8: 7	24: 49		6 JUN	3	6.0	24: 48		
28 MAY	3	6.5	8: 3	11: 1	24: 7	6 JUN	3	5.0	24: 25		
28 MAY	3	7.0	24: 41			6 JUN	3	6.0	11: 3	24: 2	
28 MAY	2	1.5				6 JUN	3	7.0	23: 5	24: 12	68: 1
28 MAY	3	6.0	24: 26			7 JUN	3	6.5	24: 35		
29 MAY	3	6.0	24: 10			7 JUN	3	6.0	24: 2	39: 1	
29 MAY	3	6.0	24: 2	39: 1		7 JUN	3	3.5	11: 1	24: 6	
29 MAY	3	6.0	8: 2	23: 2	24: 3	7 JUN	3	3.0	24: 36		
29 MAY	3	7.0	23: 1	24: 32	68: 1	8 JUN	3	3.0	24: 1		
29 MAY	3	6.5	22: 1	24: 55		8 JUN	3	2.0	11: 1	24: 1	25: 1
29 MAY	3	7.0	8: 3	13: 2	22: 1	8 JUN	3	7.0	8: 4	13: 1	23: 9
			24: 28					24: 11			
29 MAY	3	5.5	24: 3			8 JUN	3	7.5	6: 1	23: 6	24: 18
29 MAY	3	4.0	24: 35					68: 2			
30 MAY	3	6.0	6: 1	24: 28	68: 3	9 JUN	3	7.5	23: 5	24: 26	68: 3
30 MAY	3	6.0	6: 1	23: 1	24: 16	9 JUN	3	6.0	22: 1	24: 30	
30 MAY	3	6.0	6: 1	24: 20		9 JUN	3	6.0	24: 17		
31 MAY	3	6.0	22: 1	24: 15		9 JUN	3	6.0	6: 1	11: 2	23: 1
31 MAY	3	1.0	24: 1					24: 4			
1 JUN	3	6.0	11: 1	24: 17		10 JUN	3	6.0	24: 2		
1 JUN	3	6.0	11: 1	24: 4		10 JUN	3	6.0	24: 11		
2 JUN	3	6.0	24: 12	39: 1		10 JUN	3	7.0	6: 2	11: 1	13: 2
2 JUN	3	6.0	6: 2	24: 10	39: 1			22: 2	23: 11	24: 5	
2 JUN	3	6.0	13: 2	24: 29		10 JUN	3	7.5	22: 1	24: 14	68: 1
3 JUN	3	6.0	23: 1	24: 30		10 JUN	3	7.0	24: 48		
3 JUN	3	6.5	24: 19			10 JUN	3	5.0	6: 4	23: 3	24: 1
3 JUN	3	6.0	24: 18					68: 1			
3 JUN	3	3.0	21: 1	24: 5		11 JUN	3	7.0	13: 1	23: 12	24: 27
4 JUN	3	3.0	11: 1	24: 20		11 JUN	3	5.0	24: 9	68: 1	
4 JUN	3	8.0	23: 5			11 JUN	3	4.0	24: 1		
4 JUN	3	5.0	24: 2			11 JUN	3	7.5	24: 22		
4 JUN	3	3.0	24: 12			11 JUN	3	6.0	6: 3	24: 27	
4 JUN	3	5.0	6: 2	23: 6	24: 6	11 JUN	3	6.0	24: 67		
4 JUN	3	7.0	13: 2	23: 11	24: 32	11 JUN	3	6.0	11: 1	24: 25	
4 JUN	3	6.5	8: 2	23: 3	24: 53	11 JUN	3	4.0	24: 5	68: 1	
4 JUN	3	6.0	6: 2	8: 4	11: 1	12 JUN	3	6.0	24: 7		
			23: 7	24: 1	25: 1	12 JUN	3	6.0	11: 2	22: 1	24: 8
5 JUN	3	7.5	24: 110			12 JUN	3	6.0	11: 1	24: 47	
5 JUN	3	6.5	6: 1	8: 2	23: 5	12 JUN	3	7.0	8: 3	22: 1	24: 47

APPENDIX TABLE 13 (CONTINUED).

DATE	ZONE	HOURS FISHED	-- CATCH PER SPECIES --			DATE	ZONE	HOURS FISHED	-- CATCH PER SPECIES --		
12 JUN	3	7.5	11: 1	23: 5	24: 44	18 JUN	3	7.0+	23: 9	24: 23	
			68: 6			18 JUN	3	7.0	24: 22	38: 1	
12 JUN	1	1.0				18 JUN	3	6.0	11: 1	24: 2	
12 JUN	3	7.0	8: 4	22: 1	24: 33	18 JUN	3	7.0	13: 2	24: 17	
12 JUN	3	5.5	6: 1	24: 58	68: 1	19 JUN	3	6.5	24: 33		
13 JUN	3	6.0	24: 29			19 JUN	3	7.0	24: 12	39: 1	
13 JUN	3	5.5	6: 4	23: 4	24: 3	19 JUN	3	6.5	6: 3	8: 5	13: 2
			68: 1						23: 7	24: 8	79: 3
13 JUN	3	8.0	23: 12	24: 50	55: 1				80: 1	118: 1	
			68: 6			19 JUN	3	6.0	24: 30		
13 JUN	3	6.0	24: 12			19 JUN	3	6.0	22: 1	24: 8	
13 JUN	3	2.0	24: 4			19 JUN	3	6.0	11: 2	22: 1	24: 14
13 JUN	3	6.0	22: 2	24: 4					55: 1		
14 JUN	3	2.0	8: 2	24: 16		19 JUN	3	8.0	6: 5	23: 5	24: 4
14 JUN	3	6.0	24: 35			20 JUN	3	6.0	24: 6		
14 JUN	3	5.0	22: 1	23: 3	24: 29	20 JUN	3	6.0	11: 3	24: 11	39: 1
			68: 2			20 JUN	3	6.0	24: 8		
14 JUN	3	7.0	24: 37			20 JUN	3	7.0	6: 1	24: 26	68: 1
14 JUN	3	4.0	24: 7			21 JUN	3	6.5	8: 2	23: 16	55: 1
15 JUN	3	6.0	24: 47						68: 1		
15 JUN	3	7.0	24: 28			21 JUN	3	3.0	8: 4	11: 1	13: 1
15 JUN	3	7.5	11: 1	22: 1	23: 5				23: 3	24: 16	68: 2
			24: 43			21 JUN	3	7.0	6: 4	23: 4	24: 17
15 JUN	3	6.0	24: 42			21 JUN	3	6.0	24: 25		
15 JUN	3	6.0	24: 70			21 JUN	3	6.0	24: 25		
15 JUN	3	6.0	24: 19			22 JUN	3	4.0	24: 14		
16 JUN	3	6.0	24: 2			22 JUN	3	3.0	11: 3		
16 JUN	3	6.0	11: 2	24: 21		22 JUN	3	7.0	24: 6		
16 JUN	3	7.0	24: 2			23 JUN	3	7.0	22: 1	23: 7	24: 12
16 JUN	3	4.0	24: 12						68: 4		
17 JUN	3	7.0	8: 2	24: 32		23 JUN	3	7.0	24: 17		
17 JUN	3	6.0	24: 7			23 JUN	3	6.0	11: 1	24: 30	
17 JUN	3	6.0	24: 39			23 JUN	3	2.0	24: 35		
17 JUN	3	7.0	6: 2	8: 3	23: 5	24 JUN	2	2.0	3: 3	8: 1	
			24: 32	25: 1		24 JUN	3	3.0	7: 1	11: 1	24: 1
17 JUN	3	7.0	24: 27			24 JUN	3	6.5	11: 1	24: 4	59: 1
17 JUN	3	3.0	11: 1	24: 5		24 JUN	3	7.0	22: 1	24: 5	
17 JUN	3	6.0	24: 38			24 JUN	3	3.0	1: 1	6: 2	23: 4
17 JUN	3	6.0	24: 28	39: 1					24: 9		
17 JUN	3	6.0	24: 20	39: 2		24 JUN	3	6.0	6: 4	11: 1	23: 3
18 JUN	3	6.0	24: 6						24: 31		
18 JUN	3	8.0	23: 2	24: 21	39: 1	24 JUN	3	8.0	13: 1	23: 14	24: 4
18 JUN	3	6.0	24: 4						59: 1	68: 3	
18 JUN	3	2.0	22: 1	24: 3		25 JUN	3	8.0	6: 1	13: 5	23: 8
18 JUN	3	6.0	24: 9	55: 1					68: 4		
18 JUN	3	7.0	24: 23			25 JUN	3	7.0	13: 2	23: 2	24: 28
18 JUN	3	7.0	6: 3	8: 4	11: 1	25 JUN	3	7.0	24: 4		

APPENDIX TABLE 13 (CONTINUED).

DATE	ZONE	HOURS FISHED	-- CATCH PER SPECIES --			DATE	ZONE	HOURS FISHED	-- CATCH PER SPECIES --		
25 JUN	3	6.0	8:	2		3 JUL	3	3.0	11:	1	
25 JUN	3	3.0	24:	6		3 JUL	3	6.0	24:	8	
25 JUN	3	3.0	21:	2	24: 18	3 JUL	3	6.0	24:	5	
25 JUN	3	6.0	24:	5		3 JUL	3	2.5	11:	3 24: 4	
26 JUN	3	6.0	24:	7 39:	1	3 JUL	3	6.0	24:	3	
26 JUN	3	3.0	11:	8		4 JUL	3	6.0	11:	1 24: 2 39: 1	
26 JUN	3	7.0	22:	1 24:	5	4 JUL	3	6.0	8:	1 11: 1 24: 4	
26 JUN	3	6.5	8:	3 24:	14				39:	1	
26 JUN	3	7.0	13:	2 23:	2 24: 23	4 JUL	3	6.0	22:	1 24: 14 39: 2	
26 JUN	3	5.5	6:	7 23:	3 24: 48	4 JUL	3	6.0	24:	48	
27 JUN	3	5.0	6:	4 22:	1 23: 7	4 JUL	3	7.0	24:	7	
			24:	1		4 JUL	3	6.0	24:	29	
27 JUN	3	6.0	8:	5 11:	1 13: 1	5 JUL	3	6.0	22:	1 24: 40	
			23:	5 24:	7	6 JUL	3	6.0	22:	4 24: 25	
27 JUN	3	3.0	24:	6		6 JUL	3	6.0	11:	1 22: 1 24: 8	
27 JUN	3	6.0	11:	2 24:	9	6 JUL	3	6.0	11:	1 24: 1	
28 JUN	3	3.0	24:	30		6 JUL	3	6.0	13:	1 24: 16	
29 JUN	3	2.5	11:	1 24:	11 25: 1	7 JUL	3	6.0	24:	9	
29 JUN	3	8.0	13:	1 23:	7 24: 15	7 JUL	3	6.0	24:	1 39: 1 68: 10	
			59:	1 68:	5	7 JUL	3	6.5	24:	1	
29 JUN	3	6.0	22:	2 24:	20	8 JUL	3	2.0	11:	1 24: 6	
30 JUN	3	6.0	24:	27		8 JUL	3	3.0	22:	1 24: 4	
30 JUN	3	5.0	8:	1 11:	2 24: 8	8 JUL	3	7.0	22:	1 24: 18	
30 JUN	3	6.0	24:	12		8 JUL	3	2.0	6:	2 23: 1	
30 JUN	3	7.0	22:	1 24:	27	8 JUL	3	8.0	23:	16 68: 5	
1 JUL	3	5.5	6:	2 23:	3	9 JUL	3	7.0	35:	1 52: 1 91: 1	
1 JUL	3	3.0	11:	2 24:	5				112:	1	
1 JUL	3	6.0	24:	34		9 JUL	3	7.0	13:	2 24: 3	
1 JUL	3	3.0	39:	1		9 JUL	3	5.0	6:	2 24: 2	
2 JUL	3	8.0	13:	2 23:	2 68: 4	9 JUL	3	7.0	24:	22 68: 2	
2 JUL	6	3.0	11:	2 24:	4	9 JUL	3	6.5	6:	5 11: 1 13: 1	
2 JUL	3	6.0	24:	23					23:	1 24: 2	
2 JUL	3	6.0	11:	1 22:	1 24: 11	9 JUL	3	6.0	6:	2 35: 1 39: 1	
			39:	1		9 JUL	3	6.0	11:	1 24: 9	
2 JUL	3	7.0	11:	1 22:	1 23: 1	10 JUL	3	3.0			
			24:	7		10 JUL	3	6.0	24:	10 55: 1	
2 JUL	3	6.0	6:	2 23:	3 24: 5	10 JUL	3	3.5	6:	4 23: 1	
2 JUL	3	3.5	6:	1 13:	1 23: 1	10 JUL	3	2.0	6:	6 23: 1	
			24:	1		10 JUL	3	7.0	13:	1 24: 2	
2 JUL	3	7.5	24:	2		10 JUL	3	7.0	35:	2	
2 JUL	3	4.0	1:	1 6:	3 24: 25	11 JUL	3	8.0	11:	1 24: 7	
			25:	1		11 JUL	3	6.0	11:	1 24: 3 38: 1	
3 JUL	3	6.0	11:	3 22:	1	11 JUL	3	2.5	22:	1 24: 3	
3 JUL	3	7.0	6:	3 11:	1 24: 1	11 JUL	3	6.0	24:	3 38: 1	
3 JUL	3	7.0	24:	14		12 JUL	3	6.0	6:	1 11: 1 22: 1	
3 JUL	3	7.0	13:	1 23:	3 24: 7				39:	1	
3 JUL	3	5.0	6:	1 11:	1 24: 21	12 JUL	3	6.0	8:	3 24: 4 55: 1	

APPENDIX TABLE 13 (CONTINUED).

DATE	ZONE	HOURS FISHED	-- CATCH PER SPECIES --			DATE	ZONE	HOURS FISHED	-- CATCH PER SPECIES --						
12 JUL	3	6.0	6:	4	11:	4	24:	3	23 JUL	3	3.0	22:	2	33:	1
13 JUL	3	6.0	11:	1	24:	8			23 JUL	3	6.0	5:	2	10:	1
13 JUL	3	8.0	23:	7	24:	14	59:	1	23 JUL	3	6.0	1:	1	6:	20
			68:	5								22:	1	24:	4
14 JUL	3	6.0	11:	1	24:	5			23 JUL	3	3.0	11:	1	23:	4
14 JUL	3	6.0	21:	1	24:	3			23 JUL	3	7.0	23:	8	24:	3
15 JUL	3	2.5	6:	3	11:	1			23 JUL	3	6.0	11:	2	23:	1
15 JUL	3	2.0	6:	6	24:	2			24 JUL	3	7.0	11:	1	22:	1
15 JUL	3	6.0	6:	7	11:	4	24:	5				24:	9	68:	2
15 JUL	3	8.0	6:	1	24:	7	68:	2	24 JUL	3	8.0	11:	1		
16 JUL	3	5.0	6:	2	11:	1	24:	2	24 JUL	3	2.0	6:	15	25:	1
16 JUL	3	6.0	6:	6	21:	1	24:	6	24 JUL	3	7.0	24:	1		
			39:	1					24 JUL	3	3.0	6:	5	11:	2
16 JUL	3	2.5	5:	2	11:	2	24:	1	24 JUL	2	1.5	11:	1	24:	3
16 JUL	3	7.0	8:	2	22:	1	24:	6	24 JUL	3	6.0	24:	10		
16 JUL	3	2.5	6:	1	23:	1	24:	3	24 JUL	3	6.0	11:	1	22:	1
16 JUL	3	7.5	6:	1	24:	4			24 JUL	3	7.0			24:	5
16 JUL	3	3.0	22:	1	68:	1			25 JUL	3	6.0	6:	3	22:	1
16 JUL	3	6.0	22:	3	24:	10			25 JUL	3	6.0	1:	2	6:	6
17 JUL	6	3.0	6:	4	25:	1						22:	1	24:	2
17 JUL	3	6.0	22:	1	24:	5			25 JUL	3	7.0	11:	2	23:	13
17 JUL	3	6.0	6:	2	11:	1	22:	1	25 JUL	2	1.0	7:	1	11:	3
			24:	16					25 JUL	3	3.0	23:	3	25:	2
17 JUL	3	6.0	1:	1	6:	5	11:	1	26 JUL	3	3.0	6:	1	11:	3
			24:	6	39:	1			26 JUL	3	6.0	11:	2	24:	5
17 JUL	3	6.0	24:	1					26 JUL	3	6.0	11:	1	24:	5
18 JUL	3	6.0	6:	6	24:	12			27 JUL	3	7.0	11:	1	24:	2
19 JUL	3	6.0	6:	15	11:	3	24:	5	27 JUL	3	3.0	24:	3	38:	1
19 JUL	3	7.0	24:	27					27 JUL	3	6.0	6:	19	11:	9
20 JUL	3	3.0	6:	5	11:	2	24:	1	27 JUL	2	1.0	7:	3	11:	4
20 JUL	3	6.0	24:	22					27 JUL	3	6.0	24:	8	13:	2
21 JUL	3	6.0	11:	1	22:	1	24:	16	28 JUL	1	1.0	11:	2	19:	1
			36:	1	55:	1			28 JUL	3	6.0	6:	9	11:	7
21 JUL	3	7.0	68:	1					28 JUL	3	6.0	24:	10	24:	3
21 JUL	3	3.0	1:	1	6:	4	24:	2	28 JUL	3	6.0	1:	2	6:	5
21 JUL	3	2.0	6:	6								19:	1	11:	6
21 JUL	3	7.0	24:	1					28 JUL	3	6.0	6:	1	24:	3
21 JUL	3	5.5	6:	2	11:	1	24:	7	28 JUL	3	6.0	24:	2		
			25:	1					29 JUL	3	6.0	24:	1		
22 JUL	3	7.0							29 JUL	3	6.0	11:	2	24:	1
22 JUL	3	5.0	6:	5	11:	2	22:	2	29 JUL	3	2.0	6:	10	11:	4
			24:	7					30 JUL	3	6.0	1:	1	11:	15
22 JUL	3	2.5	8:	2	24:	2						24:	1	23:	1
22 JUL	3	7.0							30 JUL	3	6.0	6:	1	11:	4
22 JUL	3	2.5	6:	2	11:	2	24:	1	30 JUL	2	3.0	11:	15	19:	1
23 JUL	3	6.0	24:	14	36:	1						60:	1	26:	5
23 JUL	3	6.0	24:	4	39:	1			30 JUL	3	5.5	22:	1	24:	2

APPENDIX TABLE 13 (CONTINUED).

DATE	ZONE	HOURS FISHED	-- CATCH PER SPECIES --				DATE	ZONE	HOURS FISHED	-- CATCH PER SPECIES --					
30 JUL	3	2.0	6:	3	11:	1	23:	7	8 AUG	3	6.0*	39:	1	68:	1
30 JUL	3	7.0	24:	36					8 AUG	3	5.0	6:	2	23:	1
30 JUL	3	2.0	26:	14	76:	4			8 AUG	3	7.0	6:	2	24:	13
30 JUL	3	6.0	11:	5	24:	1			8 AUG	3	5.0	6:	4		
31 JUL	3	6.0	24:	2					9 AUG	3	2.5	6:	4	11:	1
31 JUL	3	4.0	6:	1								23:	4	24:	2
31 JUL	3	7.5	23:	12	24:	5			9 AUG	3	6.5	11:	2	24:	6
31 JUL	2	3.0	6:	1	11:	7			9 AUG	3	6.0	22:	2	24:	10
31 JUL	3	6.0	11:	3	24:	4			9 AUG	1	1.5	11:	4	26:	2
1 AUG	3	6.0	24:	12					9 AUG	3	7.0	23:	1		
1 AUG	3	6.0	6:	1	11:	8	22:	1	9 AUG	3	6.0	11:	2	24:	18
			24:	5	39:	1			10 AUG	3	6.0	11:	4	22:	2
1 AUG	3	2.0	68:	1					10 AUG	3	6.0	22:	2	24:	12
2 AUG	3	6.0	22:	1	24:	5			10 AUG	3	7.5	7:	1	11:	1
2 AUG	6	7.0	11:	2	26:	2			11 AUG	3	8.0	11:	1	68:	2
2 AUG	3	7.5	11:	1	23:	13	24:	24	11 AUG	3	7.0	22:	1	24:	6
3 AUG	3	2.5	11:	5	24:	4			11 AUG	3	6.0	22:	1	23:	1
3 AUG	3	6.0	24:	13	59:	2			11 AUG	3	6.0	24:	8	55:	1
3 AUG	3	6.0	11:	7	12:	1	24:	16	11 AUG	3	6.0	11:	2	22:	1
4 AUG	3	6.0	11:	11	22:	1	24:	17	11 AUG	3	6.0	11:	3	24:	2
4 AUG	3	6.0	11:	3	22:	1	24:	3	12 AUG	3	6.0	11:	4	22:	1
4 AUG	3	3.0	1:	2	6:	2	11:	1				36:	1		
			24:	4	68:	2			12 AUG	6	3.0	11:	9	24:	3
4 AUG	3	5.0	11:	4	24:	6	39:	2	12 AUG	3	3.0	11:	4		
5 AUG	3	6.0	22:	1	24:	5	39:	1	12 AUG	3	4.0	6:	8	11:	2
5 AUG	3	5.5	1:	4	6:	3	13:	1	12 AUG	3	4.0	1:	3	6:	13
			23:	3	24:	2			13 AUG	3	5.0	1:	5	6:	3
5 AUG	3	6.5	6:	4	11:	2	23:	16	13 AUG	3	4.0	6:	10	23:	3
			24:	7	68:	1			13 AUG	3	7.0	24:	11		
5 AUG	3	6.0	24:	4	39:	1			13 AUG	3	1.5	11:	1	22:	1
5 AUG	3	6.0	11:	1	22:	1	24:	4	13 AUG	3	6.0	11:	1	24:	2
			39:	1					13 AUG	3	6.0	11:	3	24:	30
6 AUG	6	2.0	11:	10	19:	1	24:	1	14 AUG	3	6.0	6:	1	11:	1
6 AUG	3	3.0	11:	4	60:	1	67:	1				24:	2		
6 AUG	3	6.0	8:	2	11:	3	22:	1	14 AUG	3	3.0	6:	6		
			24:	6					14 AUG	3	3.0	6:	2	11:	1
6 AUG	3	6.5	6:	1	11:	1	23:	12				24:	3		
			24:	4	68:	1			14 AUG	3	6.0	8:	3	11:	2
6 AUG	3	6.5	24:	2								24:	8		
7 AUG	3	7.0	22:	1	24:	9			14 AUG	3	6.0	11:	1		
7 AUG	3	6.0	11:	2	24:	15	68:	1	15 AUG	3	3.0	22:	1	39:	2
7 AUG	3	2.0	11:	2	24:	20			15 AUG	3	3.0	11:	3	22:	1
7 AUG	3	6.0	6:	1	11:	2	22:	1	16 AUG	3	6.0	11:	3	24:	5
			24:	2					16 AUG	3	2.5	11:	5	22:	1
8 AUG	3	6.0	24:	1					16 AUG	3	6.0	24:	15		
8 AUG	3	6.0	11:	7	24:	2	55:	1	16 AUG	3	8.0	24:	19	68:	4
8 AUG	3	6.0	11:	1	22:	1	24:	17	17 AUG	3	6.0	11:	25	22:	1

APPENDIX TABLE 13 (CONTINUED).

DATE	ZONE	HOURS FISHED	-- CATCH PER SPECIES --				DATE	ZONE	HOURS FISHED	-- CATCH PER SPECIES --				
17 AUG	3	2.0	11:	4	24:	4	27 AUG	3	2.5+	68:	1			
17 AUG	3	6.0	11:	2	23:	3 24:	7	27 AUG	3	7.0	6:	1 23:	3 24:	14
18 AUG	3	6.0	8:	1	24:	8 55:	1			68:	1			
18 AUG	3	3.0	11:	1	22:	1	28 AUG	3	6.0	24:	4			
18 AUG	3	6.0	24:	8			28 AUG	2	1.0	11:	5 26:	1		
19 AUG	3	3.0	11:	4	24:	2	28 AUG	3	6.0	24:	1			
19 AUG	3	5.0	11:	16			29 AUG	2	3.0	11:	11			
19 AUG	2	2.5	3:	1	11:	11	29 AUG	3	6.5	11:	1 24:	1		
19 AUG	3	6.0	22:	1	24:	12	30 AUG	3	6.0	6:	4 23:	4 24:	4	
19 AUG	3	2.5	11:	1	22:	1			29:	1				
19 AUG	3	6.0	6:	7	11:	1 23:	3	30 AUG	3	6.0	11:	4 24:	7	
			24:	10			31 AUG	2	2.5	11:	10			
20 AUG	3	5.0	6:	3	11:	1 22:	1	31 AUG	3	4.0	6:	4 23:	3 24:	7
			24:	3			1 SEP	3	6.5	8:	5 11:	1 22:	1	
20 AUG	3	7.0	11:	2	24:	9			23:	3 24:	7			
20 AUG	3	6.5	1:	3	6:	1 22:	1	1 SEP	3	4.0	24:	1		
			23:	2	24:	7		1 SEP	3	6.0	24:	5		
20 AUG	3	2.0	11:	4			2 SEP	3	6.0	24:	3 39:	1		
20 AUG	3	6.0	8:	1	24:	17 39:	1	2 SEP	2	3.0	11:	10		
20 AUG	3	5.0	24:	17			2 SEP	2	2.5	11:	5 24:	1		
20 AUG	3	4.5	11:	1	24:	1	2 SEP	3	6.0	6:	1 12:	4 24:	3	
20 AUG	3	3.0	11:	1	24:	5	2 SEP	3	2.0	7:	1 11:	1 26:	1	
21 AUG	3	3.0	11:	1	24:	5			41:	2 76:	2			
21 AUG	3	6.0	11:	3	24:	2 59:	2	3 SEP	3	6.0	11:	2 22:	1 24:	9
22 AUG	3	6.0	11:	6	22:	1 24:	6	3 SEP	3	7.0	6:	7 24:	12	
22 AUG	2	3.0	11:	10			3 SEP	3	5.0	6:	9 24:	1		
23 AUG	2	3.0	11:	12	26:	3	3 SEP	3	5.0	6:	13 24:	1		
23 AUG	3	6.0					3 SEP	6	4.0	11:	8 24:	2		
23 AUG	3	2.0	11:	2	22:	1 24:	4	3 SEP	3	8.0	23:	9 24:	3 68:	3
			25:	4			4 SEP	6	2.0	11:	10 26:	3 60:	1	
24 AUG	3	7.0	11:	1	24:	11 59:	1	4 SEP	3	6.0	11:	1 24:	7	
24 AUG	3	6.0	24:	12			4 SEP	3	6.0	6:	4 22:	3 24:	69	
24 AUG	2	5.0	11:	6	26:	2	4 SEP	3	6.0	22:	2 24:	8		
25 AUG	6	6.0	11:	4	24:	5	5 SEP	3	6.0	6:	2 11:	1 24:	4	
25 AUG	3	4.0	6:	6	23:	18 24:	2			55:	1			
26 AUG	1	2.5	6:	1	11:	8	5 SEP	3	6.0	6:	1 22:	1 24:	7	
26 AUG	3	2.0	11:	4	24:	2	5 SEP	3	2.0	24:	11 68:	1		
26 AUG	2	3.0	11:	6	26:	1	5 SEP	3	6.0	11:	2 24:	8		
26 AUG	3	6.0	21:	1	24:	6	5 SEP	2	4.0	11:	8 67:	1		
27 AUG	3	6.0	24:	12			6 SEP	3	6.0	24:	6			
27 AUG	3	6.0	24:	7			6 SEP	3	6.0	11:	1 24:	8 55:	1	
27 AUG	3	4.0	24:	6			6 SEP	3	6.0	6:	3 11:	1 24:	7	
27 AUG	3	3.0					7 SEP	3	5.0	6:	7 23:	30 24:	9	
27 AUG	3	6.0	11:	5	24:	7	7 SEP	3	6.0	11:	5 24:	3		
27 AUG	3	6.0	6:	2	8:	1 11:	1	8 SEP	3	3.0	11:	4 26:	2	
			23:	1	24:	8		8 SEP	6	4.0	11:	6 12:	1	
27 AUG	3	2.5	8:	2	11:	2 23:	6	8 SEP	3	6.0	6:	3 11:	1 24:	6

APPENDIX TABLE 13 (CONTINUED).

DATE	ZONE	HOURS FISHED	--- CATCH PER SPECIES ---				DATE	ZONE	HOURS FISHED	--- CATCH PER SPECIES ---							
8 SEP	3	6.0	11:	2	24:	1	75:	1	26 SEP	3	6.0	11:	2				
9 SEP	1	2.0	11:	6					26 SEP	3	7.0						
9 SEP	3	5.0	6:	2	23:	16	24:	29	26 SEP	6	6.0	11:	5	19:	1	26:	2
9 SEP	6	3.0	1:	1	11:	8	24:	5				39:	1				
9 SEP	3	6.0	11:	3	22:	1	24:	6	27 SEP	3	6.0	11:	4	24:	3		
10 SEP	3	6.0	11:	5	24:	4	26:	5	28 SEP	3	6.0	22:	1	24:	4	39:	1
10 SEP	3	6.0	24:	9					28 SEP	6	6.0	11:	6	22:	1	25:	1
10 SEP	6	6.0	22:	2	23:	1	24:	6	28 SEP	3	5.5	11:	6	17:	1	39:	4
10 SEP	3	5.0	11:	2	22:	1	24:	19	29 SEP	3	6.0	39:	1				
			39:	1					29 SEP	6	6.0	11:	2	24:	3	26:	2
11 SEP	3	5.0	24:	31	29:	1			30 SEP	6	3.0	8:	2	11:	6	26:	3
11 SEP	3	2.0	11:	2	24:	6			30 SEP	6	3.0	11:	10	25:	1	26:	1
11 SEP	6	3.0	11:	5	26:	3						60:	1				
12 SEP	3	6.0	24:	15					30 SEP	1	2.0	11:	5				
12 SEP	3	6.0	6:	2	11:	3	24:	4	30 SEP	2	2.5	1:	1	3:	3	11:	10
13 SEP	3	2.0	22:	1	24:	13						26:	6	60:	2		
13 SEP	3	6.0	8:	8	11:	3	24:	12	1 OCT	3	2.0	23:	12				
			39:	1					1 OCT	6	6.0	11:	6	24:	11	25:	1
14 SEP	3	6.0	11:	6	24:	10						26:	3	36:	1	60:	1
14 SEP	3	6.0	11:	1	22:	2	24:	9	1 OCT	6	3.0	11:	5	24:	4		
14 SEP	3	7.0	6:	2	11:	1	24:	12	2 OCT	6	3.0	11:	5	24:	8	26:	3
14 SEP	3	6.0	6:	8	24:	48			2 OCT	3	4.0	39:	1				
15 SEP	3	6.0	24:	30					2 OCT	3	6.0	11:	1	24:	12		
16 SEP	3	5.0	22:	1					3 OCT	3	6.0	11:	1	24:	2		
16 SEP	3	6.0	11:	1	22:	1	24:	11	3 OCT	3	6.0	24:	25				
17 SEP	1	1.5	11:	3					4 OCT	6	6.0	11:	6	26:	4		
17 SEP	3	6.0	11:	3	24:	11			4 OCT	3	6.0	1:	1	11:	1	22:	1
17 SEP	3	2.0	3:	1	6:	1	23:	1				24:	27				
17 SEP	3	6.0	11:	5	24:	5			5 OCT	3	6.0	24:	30				
18 SEP	3	6.0	8:	3	11:	3	39:	1	5 OCT	3	6.0	24:	6				
18 SEP	3	3.0	11:	3	22:	1	24:	2	6 OCT	3	6.0	11:	2	24:	15		
18 SEP	3	2.0	11:	4	22:	1	24:	6	7 OCT	6	6.0	11:	6	17:	2	24:	1
19 SEP	3	2.0	11:	1	24:	4						26:	5				
19 SEP	3	6.0	11:	2	24:	12			7 OCT	2	2.0	1:	1	11:	6	19:	2
20 SEP	3	6.0	24:	10								26:	10				
21 SEP	6	3.0	8:	2	11:	6	26:	3	7 OCT	3	7.0	1:	1	23:	6	24:	32
22 SEP	6	6.0	8:	2	11:	2	24:	4	7 OCT	3	3.0	8:	2	23:	4	24:	3
			26:	2					7 OCT	4	0.5	11:	2				
23 SEP	3	6.0	24:	15					8 OCT	3	5.5	6:	1	23:	26		
23 SEP	3	6.0	6:	6	11:	2	23:	1	8 OCT	3	6.0	11:	2	24:	32		
			24:	6					8 OCT	3	6.0	11:	4	39:	1		
23 SEP	3	6.5	6:	4	11:	1	23:	6	9 OCT	3	6.5	24:	21				
			24:	33					9 OCT	3	6.0	11:	6	23:	1	24:	9
24 SEP	3	7.0	6:	5	23:	15	24:	12	9 OCT	2	2.0	1:	2	11:	6	12:	2
24 SEP	6	3.0	8:	6	11:	5						19:	2				
25 SEP	6	3.0	11:	6	26:	4			10 OCT	3	6.0	9:	4	11:	1	21:	1
25 SEP	3	2.0	22:	1	24:	5						24:	18				

APPENDIX TABLE 13 (CONTINUED).

DATE	ZONE	HOURS FISHED	-- CATCH PER SPECIES --					DATE	ZONE	HOURS FISHED	-- CATCH PER SPECIES --						
			23:	11	24:	6	36:				1	6:	1	11:	5	26:	5
10 OCT	3	5.5	68:	2				19 OCT	6	3.0	6:	1	11:	5	26:	5	
								20 OCT	6	3.0	11:	5	19:	1	26:	3	
10 OCT	6	3.0	11:	6	26:	5	60:	1			60:	1					
10 OCT	6	3.0	11:	8	17:	1		21 OCT	6	6.0	1:	1	11:	4	19:	2	
11 OCT	3	6.0									26:	3					
11 OCT	3	8.0	24:	3				21 OCT	3	6.0							
11 OCT	6	3.0	11:	4	26:	2		21 OCT	3	8.0							
11 OCT	3	4.0	8:	2	23:	12	24:	29	21 OCT	2	2.0	1:	1	11:	2	19:	2
11 OCT	3	6.0	11:	2	22:	1	24:	20			26:	8					
			39:	1					21 OCT	3	6.5	38:	1				
12 OCT	3	2.0	11:	4	24:	5		21 OCT	3	7.0	23:	2	24:	2	39:	1	
12 OCT	3	3.0	11:	1	24:	12					68:	8					
12 OCT	2	8.0	19:	5	54:	4	60:	1	21 OCT	3	7.0	6:	3	13:	2	23:	6
12 OCT	3	6.0	24:	12							24:	18					
13 OCT	6	6.0	1:	1	6:	1	11:	5	22 OCT	3	6.0	1:	2	8:	1	24:	1
			17:	1					22 OCT	3	6.0	23:	6	24:	1	39:	1
13 OCT	6	6.0	1:	1	11:	4	19:	1	22 OCT	3	8.0						
			23:	1	26:	1			22 OCT	3	7.0	1:	21	13:	1	18:	1
14 OCT	6	6.0	1:	1	6:	1	11:	3			23:	1	60:	7			
			19:	1	60:	1			22 OCT	3	6.5						
14 OCT	3	6.0	9:	2	11:	1	24:	7	22 OCT	3	6.0	24:	1				
14 OCT	3	4.0							22 OCT	3	6.0	60:	6				
15 OCT	3	7.0	22:	1	23:	8	24:	7	23 OCT	6	3.0	11:	5	19:	1	26:	3
15 OCT	3	5.0	23:	14							60:	1					
15 OCT	1	2.0	11:	12	17:	2	26:	9	23 OCT	3	6.0						
			60:	1					23 OCT	3	6.0	39:	2				
15 OCT	3	3.0	11:	3	24:	2			24 OCT	3	6.0						
15 OCT	3	6.0	1:	9	11:	1			24 OCT	6	6.0	11:	6	23:	1	39:	1
16 OCT	6	3.0	11:	5	19:	1	26:	2	25 OCT	6	6.0	6:	1	11:	5	19:	1
16 OCT	6	6.0	11:	3	18:	1	19:	1			26:	5	60:	1			
			22:	1	24:	4			25 OCT	3	6.0	22:	2	23:	1		
16 OCT	1	2.0	11:	6	12:	1	26:	3	25 OCT	3	6.0	1:	2	19:	1	25:	3
16 OCT	3	6.0	24:	18							26:	2	60:	1			
17 OCT	3	5.0	1:	2	6:	1	8:	2	26 OCT	3	6.0	1:	5	19:	2	25:	1
			23:	6	68:	2					26:	5	60:	1	67:	1	
17 OCT	3	6.0	24:	1					26 OCT	3	5.0	11:	2	12:	1	17:	1
17 OCT	6	6.0	1:	1	11:	6	26:	3			22:	1	24:	2			
			60:	1					26 OCT	3	6.0	8:	1	22:	1	23:	1
18 OCT	6	3.0	11:	4	24:	1	26:	4	26 OCT	6	6.0	1:	2	11:	6	23:	1
18 OCT	3	6.0	24:	1							26:	4					
18 OCT	3	8.0							27 OCT	6	6.0	6:	1	11:	3	26:	3
18 OCT	3	6.5									39:	1	60:	1			
18 OCT	2	2.5	11:	14	60:	1			28 OCT	6	3.0	1:	1	11:	1	23:	1
19 OCT	3	8.0	22:	3	24:	38	59:	1	28 OCT	1	2.0	1:	1	11:	7	17:	1
19 OCT	3	6.5							28 OCT	6	3.0	1:	2	11:	2	19:	1
19 OCT	3	8.0									26:	1	60:	1			
19 OCT	3	6.0	11:	1					29 OCT	3	4.0	13:	1	22:	3		

APPENDIX TABLE 13 (CONTINUED).

DATE	ZONE	HOURS FISHED	-- CATCH PER SPECIES --					DATE	ZONE	HOURS FISHED	-- CATCH PER SPECIES --						
29 OCT	2	3.0	1:	1	11:	4	25:	1	7 NOV	3	6.0	1:	4	11:	6	22:	1
29 OCT	3	7.0	13:	1	23:	9	24:	4	7 NOV	3	6.0	1:	2	11:	3	24:	1
29 OCT	6	6.0	11:	1	22:	1	23:	5	8 NOV	1	2.0	11:	4	19:	1		
30 OCT	6	3.0	11:	4	19:	1	25:	1	8 NOV	3	7.0	24:	2				
			26:	4					9 NOV	3	7.0						
30 OCT	3	6.0	23:	1	25:	1	26:	4	9 NOV	3	7.0	6:	3	39:	1		
			60:	2	74:	1			9 NOV	3	6.0	1:	3	11:	4	22:	1
30 OCT	3	6.0	1:	4	3:	2	8:	4				24:	3	25:	1	67:	1
			11:	6	19:	2						75:	1				
31 OCT	2	2.0	1:	2	11:	10	14:	1	9 NOV	3	6.0	1:	1	11:	6	23:	2
			18:	4	19:	2	25:	4				39:	1				
31 OCT	6	6.0	1:	1	11:	6	25:	1	9 NOV	3	6.0	39:	1				
			26:	5	39:	1			9 NOV	3	7.0	39:	3				
31 OCT	3	6.0	11:	5	23:	1	39:	1	10 NOV	3	6.0	39:	1				
1 NOV	6	3.0	11:	4	19:	4	26:	4	10 NOV	3	7.0						
1 NOV	3	6.0	11:	2	22:	1	23:	1	10 NOV	3	6.0	6:	2	11:	6	22:	1
			39:	1					10 NOV	3	7.0	6:	2				
1 NOV	6	5.0	11:	2	25:	1	26:	5	10 NOV	3	6.0	24:	1	38:	1		
			60:	1	74:	1			10 NOV	3	7.0						
1 NOV	3	7.0	13:	1	23:	6	24:	7	11 NOV	3	7.0						
2 NOV	3	6.0	8:	1	11:	4	25:	2	11 NOV	6	4.0	11:	8	12:	1	19:	2
2 NOV	6	6.0	11:	4	19:	1	25:	1				26:	1				
			26:	5	39:	1			11 NOV	3	5.0	1:	1	11:	4	19:	1
3 NOV	6	3.0	6:	1	11:	5	25:	1				26:	2				
			26:	4					11 NOV	3	6.0	1:	16	6:	1	11:	4
3 NOV	3	6.0	1:	4	8:	1	11:	7				25:	1				
3 NOV	6	6.0	1:	5	11:	3	25:	2	11 NOV	3	7.0	6:	4				
			26:	4	60:	1	74:	1	11 NOV	3	6.0	11:	6	23:	1	24:	4
4 NOV	2	3.0	1:	1	11:	3	12:	1	11 NOV	3	7.0	24:	4				
4 NOV	3	6.0	1:	4	2:	1	11:	4	12 NOV	3	7.0	24:	1				
			19:	1	23:	2	25:	2	12 NOV	6	6.0	1:	2	11:	6	19:	2
			39:	1								25:	4	60:	2		
4 NOV	3	6.0	39:	1					12 NOV	3	7.0	6:	1				
4 NOV	6	6.0	1:	2	6:	1	11:	6	12 NOV	3	6.0	11:	1	24:	1	75:	1
			25:	1	26:	5			12 NOV	2	2.0	11:	6	19:	1	25:	1
4 NOV	3	6.0	1:	1	11:	6	39:	1				26:	2				
5 NOV	6	3.0	1:	1	6:	1	11:	6	12 NOV	3	7.0						
			26:	3	39:	1			13 NOV	3	6.0	1:	1	6:	2	11:	2
5 NOV	3	6.5	23:	11								22:	1	23:	1		
5 NOV	3	6.0	1:	12	11:	1	23:	1	13 NOV	3	3.0	22:	1				
5 NOV	3	6.0	1:	1	11:	1	39:	1	13 NOV	3	6.0	6:	4	11:	2	22:	1
6 NOV	3	6.0	1:	8	8:	4	11:	6	13 NOV	3	7.0	1:	18	24:	1	36:	1
			12:	4	17:	2	23:	2	14 NOV	2	2.0	3:	1	11:	6	14:	1
6 NOV	3	7.0	23:	10								19:	4				
6 NOV	6	3.0	1:	4	11:	2	24:	1	14 NOV	3	6.0	11:	1				
7 NOV	6	3.0	1:	1	11:	5	12:	1	14 NOV	3	7.0	26:	5				
			19:	2					14 NOV	3	7.0	39:	1				

APPENDIX TABLE 13 (CONTINUED).

DATE	ZONE	HOURS FISHED	--- CATCH PER SPECIES ---					DATE	ZONE	HOURS FISHED	--- CATCH PER SPECIES ---						
			1:	2	6:	3	11:				5	1:	4	19:	1	23:	2
15 NOV	3	6.0	1:	2	6:	3	11:	5	28 NOV	3	6.0	1:	4	19:	1	23:	2
			24:	6	25:	2						24:	4	25:	1	39:	1
16 NOV	3	6.0							28 NOV	3	7.0	22:	1	24:	3		
16 NOV	3	7.5	6:	1					29 NOV	3	5.5	11:	4	22:	1	24:	4
16 NOV	3	7.0							29 NOV	6	3.0	1:	11	19:	1	25:	1
17 NOV	3	7.0	39:	1					29 NOV	3	6.0	6:	1	23:	3	24:	1
17 NOV	3	7.5	25:	1					30 NOV	3	6.0	1:	15	24:	2		
17 NOV	3	4.0	39:	1					30 NOV	6	7.0	24:	2	39:	1		
18 NOV	3	4.0	22:	2	24:	4			30 NOV	3	7.0	24:	3				
18 NOV	3	6.0	1:	1	11:	1	21:	1	30 NOV	3	7.5	24:	2	39:	1		
			24:	9	25:	2			30 NOV	3	6.0	1:	2	11:	5	17:	3
18 NOV	3	7.5	24:	4	68:	1			30 NOV	3	2.0	22:	2				
18 NOV	3	7.0	8:	1	11:	1			30 NOV	6	3.0	1:	2				
18 NOV	2	3.0	1:	1	6:	1	11:	6	30 NOV	3	7.0						
			19:	1					1 DEC	3	7.0	24:	1				
19 NOV	6	6.0	1:	1	3:	1	11:	4	1 DEC	2	2.0	11:	1	23:	1	24:	4
			19:	1	25:	2	26:	1	1 DEC	3	6.0	6:	1	11:	5	23:	1
20 NOV	3	7.5	24:	4								24:	2	25:	1	39:	1
20 NOV	3	6.0	39:	1								68:	2				
21 NOV	3	6.0	1:	1	3:	1	8:	1	1 DEC	3	7.5	1:	3	13:	1	24:	3
			23:	8	24:	2						25:	1				
21 NOV	3	6.0	6:	1	11:	7	22:	3	1 DEC	3	7.0	24:	3				
			25:	1					1 DEC	6	7.0	11:	1				
21 NOV	3	6.0	22:	1	23:	1	24:	3	2 DEC	6	7.0	23:	1	67:	3		
			39:	1					2 DEC	3	7.0	24:	1				
22 NOV	6	7.0	1:	2	6:	2	11:	12	2 DEC	3	6.0	1:	3	24:	8		
			19:	1	26:	3	60:	1	2 DEC	3	6.0	11:	5	24:	4	25:	1
22 NOV	3	6.0	1:	10	8:	2	23:	1				75:	1				
			25:	4					2 DEC	3	7.5	24:	4				
23 NOV	3	2.0	39:	2					2 DEC	3	5.5	1:	3	6:	1	11:	3
25 NOV	3	3.0	1:	4	11:	1	24:	1				19:	1	24:	1		
25 NOV	3	2.0	1:	4	2:	1	6:	2	2 DEC	3	7.0	39:	1				
			11:	4					2 DEC	2	3.0	1:	2	11:	3		
25 NOV	6	6.0	11:	8	19:	1	26:	1	3 DEC	3	2.5	22:	1	24:	1		
			39:	1	60:	1			3 DEC	3	6.0	1:	1	24:	10	25:	1
26 NOV	3	6.0	1:	7	25:	1						39:	1				
26 NOV	3	6.0	39:	2	67:	1			3 DEC	3	6.0	39:	1				
26 NOV	3	5.0	39:	1					4 DEC	3	6.0	1:	14	11:	1		
27 NOV	3	6.0	6:	1	8:	1	23:	15	4 DEC	3	7.0	39:	1				
			24:	12					4 DEC	3	6.0	1:	2	11:	5	24:	7
27 NOV	3	6.0	1:	5	6:	5	11:	8				25:	2				
			22:	1	23:	1	24:	4	4 DEC	3	7.0	120:	3				
			25:	1					4 DEC	6	6.0	1:	1	11:	9	25:	1
27 NOV	3	6.0	1:	12	22:	1	23:	2				67:	1				
27 NOV	3	6.0	6:	1	23:	1	39:	1	5 DEC	3	7.0	1:	1	24:	1	39:	1
28 NOV	3	6.0	1:	4	11:	6	13:	1	6 DEC	3	6.0	24:	17	39:	1		
			24:	2					6 DEC	3	6.0	1:	18				

APPENDIX TABLE 13 (CONTINUED).

DATE	ZONE	HOURS FISHED	-- CATCH PER SPECIES --			DATE	ZONE	HOURS FISHED	-- CATCH PER SPECIES --						
7 DEC	6	6.0	3:	1	11:	1	25:	1	27 DEC	3	6.0	1:	6	11:	1
9 DEC	6	3.0	11:	4	19:	1	25:	1	27 DEC	6	6.0	1:	14	6:	2
9 DEC	3	5.0	1:	6	6:	3						13:	2	25:	2
10 DEC	3	7.0							28 DEC	6	6.0	1:	8	11:	4
10 DEC	3	2.0							28 DEC	3	6.0	14:	1	18:	2
10 DEC	6	3.0	11:	7	39:	1			28 DEC	3	8.0	6:	2		
10 DEC	3	6.0	11:	2	22:	2	23:	6	28 DEC	3	6.0	1:	10	8:	2
			24:	2								19:	1	67:	1
11 DEC	3	3.0	24:	6	25:	2	39:	1	29 DEC	6	6.0	1:	6	11:	6
11 DEC	3	7.0	7:	3	24:	1	42:	25	29 DEC	3	4.0				
11 DEC	3	6.0	1:	11	11:	2	23:	2	29 DEC	3	5.0	1:	22		
11 DEC	3	7.0	1:	2	7:	2			29 DEC	6	6.0	1:	17	18:	1
12 DEC	3	2.0							30 DEC	3	4.0	6:	6	23:	18
13 DEC	3	6.0	24:	3	25:	2						6:	6	23:	18
13 DEC	3	7.0										24:	1		
13 DEC	3	6.0	11:	1	22:	4	23:	3							
			24:	1											
14 DEC	3	6.0	11:	1	22:	3	23:	4							
			24:	2											
14 DEC	3	7.0	7:	3	42:	20	50:	2							
15 DEC	3	8.0	24:	4	42:	2									
15 DEC	3	6.0	19:	1	24:	1	25:	1							
			39:	1											
16 DEC	6	6.0	1:	2	11:	1	12:	1							
			23:	4	25:	2									
16 DEC	3	2.0	1:	6	6:	4									
17 DEC	3	6.0	1:	6	11:	6	22:	4							
			23:	1	24:	2									
18 DEC	6	6.0	11:	15	23:	5	24:	1							
			26:	7											
19 DEC	6	6.0	1:	1	11:	6	22:	2							
			23:	9	24:	5	25:	1							
19 DEC	3	6.0	11:	7	22:	2	24:	3							
			25:	1	39:	2	67:	1							
20 DEC	3	6.0	1:	14	23:	18	24:	7							
21 DEC	3	6.0	1:	3	11:	9	25:	1							
			67:	1											
21 DEC	6	6.0	11:	20	23:	2	24:	1							
			25:	1											
22 DEC	6	6.0	11:	2	13:	2	24:	2							
22 DEC	3	7.0	39:	1											
23 DEC	3	4.0	23:	7											
23 DEC	3	3.0	1:	6	25:	1	39:	1							
24 DEC	3	3.0	1:	6	25:	1									
27 DEC	3	6.0	1:	8	8:	5	11:	5							
			19:	1	25:	3									
27 DEC	3	7.0													

APPENDIX TABLE 14. LOGGED 1983 NON-TROLLING CATCH AND EFFORT FROM SOUTH FLORIDA

DATE	ZONE	HOURS FISHED	-- CATCH PER SPECIES --				DATE	ZONE	HOURS FISHED	-- CATCH PER SPECIES --				
28 MAR	3	2.0	13:	3			7 APR	2	5.0+	130:	1			
29 MAR	3	2.0	13:	3			7 APR	3	1.5	13:	2			
30 MAR	3	1.0					7 APR	4	6.0	7:	8	9:	1 10:	
30 MAR	3	3.0	13:	4						11:	2	12:	3 87:	
31 MAR	1	2.0	17:	1	18:	2 60:	2	8 APR	4	2.5	12:	12	17:	3 18:
31 MAR	6	8.0	1:	1	8:	7 13:	1			26:	7	54:	5	
			17:	3	26:	14 60:	7	9 APR	2	5.0	7:	1	17:	4 18:
31 MAR	3	2.0	79:	2	80:	4				26:	1	54:	10	
1 APR	3	1.0	13:	4				10 APR	3	1.0	13:	2		
1 APR	3	5.0	1:	7	8:	3 26:	6	10 APR	3	1.0	13:	2		
			50:	7				10 APR	3	1.5	13:	3	59:	
2 APR	1	6.0	9:	53	12:	15		11 APR	3	2.0	1:	1	7:	
2 APR	3	2.0	78:	6	80:	2				26:	5		11:	
2 APR	3	1.0	13:	2				11 APR	3	0.5	13:	1		
3 APR	3	0.5	13:	1				11 APR	3	2.0	13:	3		
3 APR	2	6.0	10:	1	11:	4		11 APR	4	4.0	16:	2	17:	
3 APR	6	8.0	1:	1	6:	1 12:	2			26:	12	42:	10 50:	
			19:	1	26:	32 60:	3			76:	22			
3 APR	2	2.0	17:	3	18:	3 26:	6	11 APR	3	2.0	13:	3		
			50:	2	54:	2 60:	1			12 APR	4	6.0		
			76:	24						12 APR	2	4.0	11:	
3 APR	3	1.5	13:	3				13 APR	3	6.0	1:	1	7:	
4 APR	3	3.0	13:	4						13:	1	25:	3 26:	
4 APR	3	4.0	13:	3	80:	1		13 APR	3	1.5	13:	4		
4 APR	1	2.0	7:	3	82:	8		13 APR	4	6.0	10:	1	12:	
4 APR	2	6.0	10:	2	11:	1 29:	1			36:	1		18:	
			88:	1				14 APR	3	8.0	25:	1	26:	
4 APR	3	0.5	13:	2						40:	3		39:	
4 APR	3	3.0	4:	6	80:	6		15 APR	4	6.0	88:	1		
5 APR	2	6.0	10:	1	11:	2 88:	2	15 APR	3	0.5	13:	2		
5 APR	1	4.0	7:	4	19:	1 20:	3	16 APR	3	1.0	13:	4		
			82:	6	130:	2		16 APR	1	1.0	54:	3	132:	
5 APR	3	1.0	13:	5				16 APR	3	2.0	13:	4	1	
5 APR	1	6.0	4:	3	9:	16 12:	11	17 APR	3	2.0	13:	4		
			34:	1	58:	14 90:	15	17 APR	6	8.0	1:	2	6:	
5 APR	2	4.0	10:	1						19:	9	26:	33 76:	
5 APR	3	1.0	13:	1	35:	1		18 APR	6	8.0	1:	9	13:	
6 APR	3	2.0	13:	4				18 APR	3	0.5	13:	2	1 60:	
6 APR	2	2.0	29:	2				18 APR	4	4.0	7:	11	12:	
6 APR	6	7.0	7:	1	11:	1 19:	2			19:	1	36:	1 42:	
			20:	4	26:	52 76:	8			50:	14		41	
6 APR	3	2.0						18 APR	3	1.0	13:	2		
6 APR	2	6.0	11:	5	12:	2 29:	3	18 APR	2	2.0	19:	2	76:	
6 APR	1	2.0	7:	6	11:	1 18:	2	19 APR	3	3.0	13:	6	8 96:	
			20:	4				19 APR	6	8.0	1:	1	6:	
6 APR	3	1.5	13:	2						13:	1	17:	1 19:	
7 APR	2	5.0	19:	1	20:	2 82:	10			26:	37	60:	4	

APPENDIX TABLE 14 (CONTINUED).

DATE	ZONE	HOURS FISHED	--- CATCH PER SPECIES ---				DATE	ZONE	HOURS FISHED	--- CATCH PER SPECIES ---			
20 APR	3	1.0	13:	2			30 APR	3	2.5	82:	17		
20 APR	4	6.0	7:	3	10:	2	30 APR	3	1.5	13:	3		
			26:	46	50:	6	30 APR	1	4.0	17:	1	18:	1
			76:	35	96:	1				54:	3	76:	6
20 APR	3	1.0	13:	2			30 APR	3	1.0	13:	2		
20 APR	3	2.0	13:	2	35:	1	1 MAY	1	5.0	19:	1	26:	6
21 APR	3	1.0								96:	1		
21 APR	3	1.5	13:	3			1 MAY	3	1.5	13:	5		
21 APR	4	6.0	11:	4	88:	1	2 MAY	3	2.0	13:	4		
21 APR	3	2.0					2 MAY	3	1.0	13:	1		
21 APR	3	6.0	6:	2	12:	6	3 MAY	3	1.5	13:	2		
			60:	5	62:	7	3 MAY	4	6.0	11:	5	88:	2
22 APR	6	8.0	1:	1	18:	1	4 MAY	6	6.0	2:	12	11:	3
			26:	11	60:	9				93:	1	54:	6
22 APR	2	6.0	35:	1	87:	1	4 MAY	3	2.0	13:	4		
22 APR	3	3.0	13:	6			4 MAY	1	6.0	10:	3		
22 APR	3	1.5	13:	4			5 MAY	3	1.5	13:	2		
23 APR	3	2.0	13:	1			6 MAY	3	2.0	13:	3		
24 APR	2	1.5	18:	2	54:	4	6 MAY	3	1.0				
			76:	12	60:	1	6 MAY	6	8.0	1:	5	6:	1
25 APR	1	4.0								7:	7	19:	2
25 APR	3	2.0	13:	1						11:	1	13:	2
25 APR	6	7.0	13:	1	17:	1	6 MAY	4	3.0	60:	9	88:	1
			60:	1	76:	18	7 MAY	2	4.0	11:	2	26:	13
25 APR	3	0.5	35:	1						76:	20	54:	5
26 APR	4	6.0	7:	5	11:	1	8 MAY	4	6.0	11:	5	101:	1
			18:	5	20:	1	9 MAY	4	6.0	11:	3	101:	2
			42:	6	50:	17	9 MAY	3	1.0	13:	2		
			76:	33	54:	14	10 MAY	4	5.0	7:	3	11:	2
26 APR	3	2.0	13:	3						12:	2		
27 APR	3	1.5	13:	4			11 MAY	4	5.0	88:	1		
27 APR	3	2.0	26:	1			12 MAY	1	0.5	11:	2		
27 APR	3	0.5	13:	1			13 MAY	3	1.0	18:	2		
28 APR	4	6.0	11:	3			13 MAY	4	6.0	13:	2		
28 APR	6	6.5	6:	1	7:	7	13 MAY	4	6.0	2:	1	6:	7
			26:	7	30:	20	15 MAY	3	2.5	1:	1	13:	6
			50:	3	60:	1				14:	1		
			76:	12	76:	12	15 MAY	3	1.5	50:	2		
28 APR	3	2.0	13:	2			16 MAY	3	1.0	13:	4		
28 APR	3	1.0	13:	3			16 MAY	3	1.0	13:	1		
29 APR	3	2.0	13:	5			16 MAY	1	3.0	10:	1	11:	1
29 APR	2	6.0	17:	1	18:	20	16 MAY	3	1.0	12:	1		
			54:	1	76:	50	18 MAY	3	1.0	13:	1		
29 APR	3	6.5	13:	9	17:	1	18 MAY	4	6.0	11:	2	17:	2
			20:	1	18:	3				18:	11		
			39:	1	26:	1				20:	2	26:	11
			76:	7	30:	10				50:	9	76:	30
					62:	27	19 MAY	4	6.0	76:	30		
							19 MAY	4	6.0	11:	11		
							19 MAY	2	6.0	95:	1	97:	2
29 APR	4	6.0	11:	3	88:	2	19 MAY	6	4.0	7:	2	10:	1
										26:	4		

APPENDIX TABLE 14 (CONTINUED).

DATE	ZONE	HOURS FISHED	-- CATCH PER SPECIES --			DATE	ZONE	HOURS FISHED	-- CATCH PER SPECIES --			
19 MAY	6	4.0+	42:	4		16 JUN	4	2.0				
20 MAY	4	6.0	11:	3	29:	4	26 JUN	3	1.0	13:	2	
21 MAY	4	6.0	11:	4	88:	1	27 JUN	3	1.0	13:	2	
21 MAY	3	2.0	13:	3		1 JUL	3	1.0	13:	2		
22 MAY	3	0.5	13:	1		4 JUL	1	4.0	11:	1	54:	
22 MAY	1	4.0							113:	1	76:	
23 MAY	1	4.0				7 JUL	3	6.0	7:	3	20:	
23 MAY	1	4.0	3:	1	9:	2			57:	1	26:	
			30:	15	95:	2	8 JUL	3	5.0	7:	3	13:
24 MAY	1	3.5	10:	2	29:	2			33:	1	26:	
24 MAY	1	4.0				9 JUL	3	1.0	13:	3		
25 MAY	3	0.5	13:	2		10 JUL	3	5.0	13:	8	26:	
27 MAY	1	3.0	10:	2	81:	1	10 JUL	3	6.0	2:	1	17:
28 MAY	3	8.0	10:	2	12:	1			24:	8	26:	
			18:	2	26:	14			85:	1	76:	
			60:	2	76:	1	11 JUL	3	6.0	26:	52	
28 MAY	4	6.0	11:	12		14 JUL	3	5.0	6:	1	26:	
29 MAY	4	6.0	10:	1	11:	6	15 JUL	3	4.0	26:	24	
			29:	9		17 JUL	2	5.0	17:	2	18:	
29 MAY	6	8.0	1:	1	6:	4			76:	48	118:	
			12:	1	13:	1	25 JUL	3	3.0	7:	3	26:
			18:	1	19:	2	25 JUL	3	1.0	41:	2	31
			41:	2	54:	1	26 JUL	1	3.0	19:	2	20:
			62:	17	76:	8			96:	2	130:	
30 MAY	4	3.0	11:	2		28 JUL	1	2.0	20:	2	82:	
31 MAY	4	6.0	10:	2	11:	3	29 JUL	1	1.0	11:	1	130:
			29:	7	12:	1	30 JUL	3	4.0	7:	8	13:
31 MAY	1	3.0	10:	1					57:	6	1	
1 JUN	1	4.0	10:	1		31 JUL	2	1.5	7:	5	10:	
1 JUN	4	6.0	10:	1	11:	5			19:	1	54:	
2 JUN	2	2.0	18:	1	19:	1	4 AUG	3	2.0	18:	1	26:
3 JUN	4	4.0	11:	7	12:	6	6 AUG	3	3.0	26:	15	9
3 JUN	3	4.0	17:	1	19:	4	8 AUG	3	1.0	13:	2	76:
4 JUN	4	6.0	11:	3	12:	3	11 AUG	3	3.0	7:	1	26:
4 JUN	3	1.0	13:	4	22:	1	12 AUG	3	2.0	13:	3	18
7 JUN	1	4.0	97:	1			12 AUG	3	3.0	26:	1	57:
10 JUN	3	0.5	13:	2			13 AUG	3	2.0	13:	2	1
11 JUN	3	1.0	13:	4			13 AUG	3	3.0	1:	5	6:
11 JUN	3	2.0	17:	2	60:	4			13:	2	17:	
11 JUN	4	6.0	9:	5	11:	7			60:	4	18:	
12 JUN	2	2.0	11:	5			15 AUG	1	1.0	54:	6	7:
12 JUN	3	0.5	13:	2			16 AUG	3	6.0	6:	3	7:
13 JUN	3	0.5	13:	2					23:	1	26:	
14 JUN	3	1.0	13:	4			18 AUG	2	4.0	26:	11	54:
14 JUN	4	2.0	10:	2			20 AUG	3	0.5	13:	1	5
14 JUN	1	4.0					21 AUG	2	3.0	1:	2	8:
15 JUN	4	6.0	10:	1	11:	12			13:	3	26:	

APPENDIX TABLE 14 (CONTINUED).

DATE	ZONE	HOURS FISHED	--- CATCH PER SPECIES ---					DATE	ZONE	HOURS FISHED	--- CATCH PER SPECIES ---						
21 AUG	1	2.0	101:	1				13 OCT	3	4.0	1:	2	26:	6	54:	1	
25 AUG	3	2.0	7:	1	11:	1	20:	1			57:	2	60:	2			
			26:	12					15 OCT	3	4.0	13:	2	50:	4	79:	1
27 AUG	1	2.0	31:	11							80:	1					
28 AUG	6	4.5	7:	4	8:	3	11:	1	15 OCT	3	1.0	13:	2				
			13:	4	60:	2			16 OCT	3	3.0	1:	1	26:	7	54:	2
31 AUG	3	2.0	13:	3							57:	2	60:	1	76:	2	
3 SEP	3	1.0	13:	1				17 OCT	3	2.0	13:	1	41:	2			
3 SEP	3	2.0	41:	5				18 OCT	4	3.0	10:	2	12:	1			
3 SEP	3	3.0	6:	1	26:	10	76:	2	18 OCT	3	5.0	1:	18	6:	3	7:	4
4 SEP	3	3.0	6:	3	11:	1	18:	1			12:	1	60:	2			
			25:	1	26:	8	96:	1	20 OCT	2	3.0	10:	1	19:	1	54:	5
7 SEP	3	1.5	13:	2							60:	1					
9 SEP	3	1.0	13:	1				22 OCT	2	0.5	7:	8					
10 SEP	2	1.0	26:	8				23 OCT	4	6.0	10:	3	101:	1			
12 SEP	2	2.0	31:	14				23 OCT	3	5.0	11:	1	17:	2	26:	30	
13 SEP	2	2.0	4:	3							54:	6	60:	1			
17 SEP	3	1.0	13:	1				24 OCT	2	3.0	18:	7	26:	8	42:	1	
18 SEP	2	3.0	7:	2	11:	1	18:	3			60:	5	76:	9	120:	1	
			20:	1	26:	4	76:	14	25 OCT	3	6.0	1:	6	7:	4	11:	1
21 SEP	1	6.0	7:	2	11:	5	29:	2			60:	2					
22 SEP	2	6.0	9:	3	11:	1	18:	6	27 OCT	2	4.0	11:	1	17:	2	25:	2
			19:	4	25:	2	26:	40			26:	9	51:	1			
			54:	12	60:	8	122:	2	28 OCT	3	6.0	54:	20	60:	10		
23 SEP	1	3.0						29 OCT	3	2.0	1:	2	7:	30			
24 SEP	3	5.0	7:	4	20:	1	26:	15	30 OCT	1	4.0	9:	15	12:	8	30:	2
27 SEP	4	6.0	11:	2	101:	2					95:	1					
27 SEP	3	3.0	6:	3	11:	2	20:	4	30 OCT	3	1.0	60:	1				
			60:	1					31 OCT	2	6.0	11:	1	26:	20	54:	1
30 SEP	3	7.0	1:	5	6:	4	26:	5			60:	3	76:	1	123:	1	
			60:	27					1 NOV	3	7.0	7:	7	26:	17	39:	1
1 OCT	3	5.0	26:	1							40:	1	42:	3	50:	4	
1 OCT	3	4.5	7:	3	26:	24					54:	2	60:	8	120:	8	
4 OCT	4	6.0	9:	4	11:	2	12:	7	3 NOV	2	3.0	101:	1				
			17:	1	58:	4			3 NOV	3	4.0	1:	4	7:	10	11:	1
5 OCT	4	4.0	11:	2					4 NOV	3	8.0	1:	9	7:	7	11:	1
6 OCT	4	3.0	10:	1	11:	1	88:	1			35:	1	62:	1	91:	1	
6 OCT	3	5.0	7:	1	54:	9	88:	5	4 NOV	1	6.0	4:	2	5:	1	9:	27
7 OCT	3	6.0	1:	6	12:	1	26:	15			12:	6	58:	1			
			54:	5					4 NOV	2	0.5	26:	2	54:	3		
7 OCT	4	3.0	11:	1	101:	2			4 NOV	3	5.0	1:	4	7:	6	12:	1
8 OCT	4	3.0	101:	1							26:	6	60:	3			
8 OCT	3	0.5	13:	1				5 NOV	3	6.0	1:	3	8:	1	26:	3	
8 OCT	3	2.0	6:	1	26:	20					41:	2	54:	6	60:	6	
9 OCT	4	6.0	10:	1	11:	8	29:	7	5 NOV	3	7.0	23:	8				
10 OCT	4	4.0	11:	1					6 NOV	3	6.0	1:	3	6:	1	26:	3
11 OCT	3	2.0	36:	1							41:	2	54:	6	60:	6	

APPENDIX TABLE 14 (CONTINUED).

DATE	ZONE	HOURS FISHED	--- CATCH PER SPECIES ---			DATE	ZONE	HOURS FISHED	--- CATCH PER SPECIES ---					
6 NOV	3	6.0	26:	8		13 DEC	2	6.0	18:	2	25:	1	26:	10
6 NOV	1	7.0	4:	15	9:	3	12:	3	54:	7	60:	1	76:	5
			34:	3	43:	1	54:	1	14 DEC	3	4.0	1:	25	
			58:	18	90:	4			16 DEC	3	6.0	1:	14	13:
8 NOV	2	3.0	25:	4	60:	2					60:	4	26:	27
9 NOV	4	6.0	9:	7	12:	2	18:	3	17 DEC	3	7.0	1:	37	7:
			58:	4							24:	1	39:	1
9 NOV	2	1.0	26:	8	54:	6					62:	11	82:	3
12 NOV	2	2.0	41:	6	54:	4			18 DEC	6	5.5	14:	8	18:
13 NOV	2	4.0	13:	2	20:	1	25:	8			26:	3	42:	2
			26:	7	76:	5					82:	1	99:	1
13 NOV	6	7.5	1:	10	12:	8	14:	1	20 DEC	6	7.0	11:	1	12:
			35:	1	60:	3	103:	1			14:	19	17:	1
			118:	1							19:	3	25:	8
15 NOV	2	2.0									42:	5	50:	3
17 NOV	3	5.0	1:	7	54:	12	60:	2			62:	4	74:	3
19 NOV	2	4.0	17:	3	54:	6	60:	1	20 DEC	3	8.0	1:	29	7:
19 NOV	3	3.0	1:	3	6:	6	13:	1			128:	1	60:	2
			26:	10	51:	1	60:	3	21 DEC	3	7.0	1:	39	7:
21 NOV	3	0.5	13:	1							20:	3	39:	2
23 NOV	2	3.5	26:	15	54:	18	60:	1			50:	2	54:	8
23 NOV	3	5.0	1:	12	11:	2	60:	3			120:	2	76:	8
25 NOV	1	6.5	4:	4	9:	10	12:	12	22 DEC	3	6.0	1:	21	2:
			34:	3	58:	18					60:	3	76:	10
25 NOV	4	3.0	9:	7	12:	4	18:	6	23 DEC	3	2.0	13:	2	
			58:	4					23 DEC	3	8.0	1:	22	7:
27 NOV	4	3.0	10:	2	12:	2					60:	7	54:	1
27 NOV	3	0.5	13:	1					24 DEC	3	6.0	1:	17	7:
27 NOV	6	5.0	25:	1	26:	3	60:	2	24 DEC	3	6.5	1:	27	11:
28 NOV	6	7.0	1:	6	13:	8	16:	1			26:	8	54:	2
			17:	3	18:	5	19:	5			76:	25	60:	3
			25:	1	26:	13	42:	7	25 DEC	3	3.0	1:	8	39:
			54:	35	60:	12	76:	14	26 DEC	3	6.0	6:	1	11:
29 NOV	3	7.0	1:	26	7:	7	20:	3			60:	6	26:	2
			24:	13					26 DEC	6	7.0	1:	18	2:
29 NOV	3	0.5	13:	1							80:	2	120:	3
29 NOV	4	6.0	9:	4	11:	4	12:	2	27 DEC	6	7.0	1:	17	2:
			17:	1	18:	6	58:	6			60:	1	120:	3
3 DEC	6	7.5	1:	5	26:	6	60:	12	27 DEC	3	8.0	1:	8	7:
3 DEC	2	3.0	26:	14	54:	2	60:	6			50:	1	60:	2
7 DEC	2	8.0	1:	36	60:	1			28 DEC	6	7.0	1:	18	6:
8 DEC	3	2.0	1:	13	42:	3					14:	11	62:	8
9 DEC	3	5.0	39:	1					29 DEC	6	7.0	1:	21	11:
10 DEC	2	2.0	1:	3	17:	1	26:	1	29 DEC	3	2.0	60:	2	82:
			60:	1					29 DEC	3	5.0	1:	19	6:
10 DEC	3	7.0	1:	26	6:	3	11:	1	30 DEC	3	2.0	1:	12	6:
			20:	5					30 DEC	3	0.5	13:	1	5

APPENDIX TABLE 14 (CONTINUED).

DATE	ZONE	HOURS FISHED	--- CATCH PER SPECIES ---					
30 DEC	6	7.0	1:	7	13:	8	18:	2
			19:	15	26:	3	54:	4
			60:	13				
30 DEC	6	7.0	1:	5	2:	2	7:	10
			12:	7	29:	1	62:	3
			95:	2				

APPENDIX TABLE 15. LOGGED 1983 TROLLING CATCH AND EFFORT FROM SOUTHWEST FLORIDA

DATE	ZONE	HOURS FISHED	-- CATCH PER SPECIES --				DATE	ZONE	HOURS FISHED	-- CATCH PER SPECIES --			
4 APR	1	6.0	3:	6	5:	5							
7 APR	1	6.0	3:	3	5:	6							
11 APR	1	4.0	5:	5									
2 AUG	2	1.0	3:	1									
13 AUG	2	0.5	3:	1									
14 SEP	1	4.0	4:	4									
5 OCT	2	4.0	3:	6	7:	2	9:	2					
			12:	9									
6 OCT	1	1.0											
6 OCT	2	4.0	3:	2	5:	1	7:	6					
			9:	7	12:	12							
7 OCT	2	4.0	3:	5	5:	3	7:	4					
			9:	1	12:	6							
9 OCT	1	4.0	3:	3	6:	1	9:	2					
			12:	4									
9 OCT	2	4.0	1:	1	3:	5	7:	1					
10 OCT	2	6.0	3:	9									
10 OCT	1	4.0	3:	9	7:	2	9:	5					
			12:	5									
11 OCT	2	4.0	3:	9	6:	2							
13 OCT	1	4.0	3:	6	9:	4	12:	4					
14 OCT	1	4.0	3:	4	9:	5	12:	2					
17 OCT	2	2.0	3:	7	6:	3							
18 OCT	1	4.0	3:	6	6:	1	7:	9					
			9:	2	12:	7							
19 OCT	2	3.5	3:	14									
24 OCT	1	4.0	3:	4	6:	1	7:	4					
			9:	3	12:	4							
28 OCT	1	4.0	4:	4	9:	3	12:	6					
4 NOV	1	4.0	3:	4	8:	1	12:	4					

APPENDIX TABLE 16. LOGGED 1983 NON-TROLLING CATCH AND EFFORT FROM SOUTHWEST FLORIDA

DATE	ZONE	HOURS FISHED	--- CATCH PER SPECIES ---				DATE	ZONE	HOURS FISHED	--- CATCH PER SPECIES ---							
2 APR	1	8.0	4:	1	9:	5	12:	7	11 APR	1	3.0	9:	6	12:	11	58:	7
			58:	30								90:	8				
3 APR	1	6.0	9:	27	12:	8	45:	2	11 APR	1	4.0	9:	2	13:	3	58:	19
			54:	1	58:	32	70:	1	11 APR	1	5.0	4:	2	9:	7	12:	1
			90:	4								34:	7	43:	1	54:	14
3 APR	1	8.0	9:	5	12:	4	58:	40				70:	1	92:	1	93:	1
3 APR	1	5.0	4:	2	9:	6	12:	5				113:	1				
			34:	6	45:	2	54:	4	12 APR	1	6.0	4:	5	12:	4	34:	1
			58:	2	61:	1	77:	1				43:	2	54:	1	58:	10
			86:	1	90:	10	93:	2	12 APR	1	6.0	9:	11	12:	7	58:	24
			113:	2								70:	1	90:	3	94:	38
3 APR	1	6.0	4:	1	9:	10	12:	4	12 APR	1	4.0	9:	2	34:	2	58:	27
			31:	12					12 APR	6	4.0	18:	6	42:	4	50:	1
4 APR	1	6.0	9:	12	12:	2	31:	14				54:	1				
			61:	2					13 APR	1	3.5	4:	1	34:	6	45:	1
4 APR	1	4.0	9:	10	12:	3	29:	1				58:	1				
			34:	2	58:	18	92:	2	14 APR	1	6.0	4:	2	7:	1	9:	5
4 APR	1	8.0	9:	5	12:	5	58:	51				12:	8	54:	3	58:	2
5 APR	1	6.0	9:	1	12:	5	35:	4				90:	7	94:	22		
			45:	2	54:	2	58:	7	14 APR	1	4.0	9:	1	34:	1	58:	21
			90:	9					14 APR	4	2.0	9:	4	19:	1	54:	6
5 APR	1	8.0	9:	12	12:	4	58:	29				58:	5				
5 APR	1	3.0	4:	3	9:	6	12:	2	15 APR	1	5.0	9:	2	13:	1	29:	2
			31:	4					15 APR	1	4.0	9:	2	58:	20		
6 APR	1	6.0	4:	1	9:	10	12:	4	15 APR	1	4.0	10:	2	29:	2		
			31:	7					16 APR	1	3.5						
6 APR	1	3.0	9:	6	34:	1	54:	3	16 APR	1	5.0	4:	1	7:	6	9:	18
			90:	6								12:	16	54:	4	58:	2
6 APR	1	4.0	9:	5	12:	8	58:	30				90:	8	94:	1		
6 APR	1	6.0	4:	7	34:	3	43:	2	16 APR	1	4.0	12:	3	34:	1	58:	21
			58:	4	77:	1	90:	4	16 APR	1	2.5	4:	8	54:	2		
			92:	1	93:	2			17 APR	1	3.0	90:	6				
7 APR	1	5.0	4:	1	12:	1	34:	12	17 APR	1	7.0	12:	2	45:	7	58:	24
			54:	6	58:	1	64:	1				61:	3	73:	10	97:	1
			76:	6								113:	2				
7 APR	1	6.0	6:	1	9:	5	12:	7	17 APR	4	4.0	9:	4	36:	1	58:	13
			35:	10	45:	1	58:	20	18 APR	4	4.0	58:	9				
			90:	12					18 APR	1	4.0						
7 APR	1	8.0	4:	1	9:	20	12:	4	18 APR	1	4.0	12:	4	58:	26		
			58:	41					18 APR	1	6.0	9:	4	45:	1	58:	6
7 APR	1	6.0	9:	4	12:	1	31:	1				61:	1				
8 APR	1	8.0	9:	15	12:	4	58:	42	19 APR	1	4.0	4:	2	12:	2	58:	25
8 APR	2	3.0	17:	1	34:	2	43:	1	19 APR	1	5.0	10:	1				
			54:	1	58:	14			19 APR	4	4.0	9:	6	34:	2	58:	14
9 APR	1	8.0	9:	11	12:	6	58:	44	20 APR	4	6.0	58:	12				
10 APR	1	8.0	9:	4	58:	27			20 APR	1	6.0	3:	1	4:	1	7:	3
11 APR	1	4.0	9:	3	58:	28						9:	12	12:	8	58:	35

APPENDIX TABLE 16 (CONTINUED).

DATE	ZONE	HOURS FISHED	--- CATCH PER SPECIES ---			DATE	ZONE	HOURS FISHED	--- CATCH PER SPECIES ---		
20 APR	1	6.0+	70: 3	90: 3	94: 30	29 APR	4	4.0	58: 19		
20 APR	1	4.0	58: 12	61: 3		30 APR	4	5.0			
21 APR	1	6.0	4: 2	9: 5	11: 2	30 APR	4	4.0	58: 26		
			58: 6	61: 4	92: 2	30 APR	2	3.0	28: 71	31: 2	
21 APR	1	4.0	9: 3	58: 99		30 APR	1	7.0	7: 6	9: 15	12: 10
21 APR	2	7.0	7: 8	12: 4	17: 1				58: 76	76: 4	90: 5
			18: 18	35: 1	42: 17				94: 4		
			76: 47			30 APR	1	3.5	45: 7	58: 44	
21 APR	4	6.0	9: 2	10: 1		1 MAY	2	4.0	3: 6	5: 3	7: 3
22 APR	4	6.0	9: 3	58: 15					9: 8	12: 4	19: 1
22 APR	4	8.0	10: 1						58: 15		
22 APR	1	4.0	4: 3	58: 22		1 MAY	2	3.0	9: 2	12: 4	30: 6
22 APR	2	4.0	7: 4	12: 1	18: 11				31: 3	58: 52	
			20: 1	42: 25	76: 32	1 MAY	1	6.0	7: 4	29: 1	58: 12
23 APR	1	4.0	4: 6	58: 19		1 MAY	6	6.0	10: 4		
23 APR	2	5.0	7: 12	12: 7	17: 1	2 MAY	6	6.0	10: 6		
			18: 15	35: 1	42: 12	2 MAY	1	6.0	9: 3		
			76: 21			2 MAY	2	8.0	3: 11	5: 5	7: 2
23 APR	1	2.0	45: 4	54: 1	58: 7				9: 15	12: 6	19: 2
23 APR	1	6.0	4: 1	9: 5					58: 36		
23 APR	4	6.0	58: 10	92: 1		3 MAY	1	6.0	17: 1	58: 19	
24 APR	4	4.0	34: 1	58: 15		3 MAY	6	6.0	10: 4		
24 APR	1	4.0	12: 3	34: 2	45: 7	4 MAY	6	6.0	10: 9		
			54: 1	58: 64	76: 12	4 MAY	1	6.0			
			77: 1	93: 2		4 MAY	1	4.0	3: 3	5: 1	9: 10
25 APR	1	4.0	4: 2	9: 5	58: 22				12: 2	58: 25	
25 APR	4	4.0	58: 6			4 MAY	1	4.0	9: 4	34: 4	43: 2
26 APR	4	4.0	58: 12						54: 9	90: 3	
26 APR	1	8.0	4: 4	9: 9	12: 3	5 MAY	2	4.0	3: 5	5: 2	9: 6
			58: 37						58: 18		
26 APR	2	4.0	7: 9	12: 4	18: 8	5 MAY	1	3.0	9: 4	31: 6	
			20: 1	42: 12	76: 21	5 MAY	1	6.0	17: 4	58: 23	
27 APR	1	4.0	9: 6	12: 5	58: 28	5 MAY	6	6.0	10: 9		
27 APR	1	6.0	10: 2	36: 3		6 MAY	6	6.0	10: 9		
27 APR	1	6.0	4: 1	9: 6	12: 3	6 MAY	1	6.0			
			31: 15	61: 1		6 MAY	2	6.0	9: 3	61: 14	92: 1
27 APR	4	4.0	58: 12			6 MAY	2	4.0	3: 4	5: 6	9: 9
28 APR	4	4.0	58: 12						58: 25		
28 APR	2	6.0	5: 1	7: 4	12: 7	6 MAY	1	6.0	4: 1	9: 9	12: 4
			18: 11	19: 1	35: 1				43: 1	54: 7	58: 22
			42: 50	76: 42					90: 12		
28 APR	1	4.0	3: 1	5: 2	58: 20	7 MAY	2	4.0	3: 3	5: 4	9: 6
29 APR	1	6.0	4: 1	7: 11	9: 23				12: 5	58: 15	
			12: 19	58: 60	76: 5	7 MAY	1	3.0	92: 2		
			90: 9	94: 19		7 MAY	2	6.0	61: 5		
29 APR	1	3.0	4: 1	9: 3	12: 4	7 MAY	1	6.0	58: 12		
			31: 16			7 MAY	6	6.0	10: 5		

APPENDIX TABLE 16 (CONTINUED).

DATE	ZONE	HOURS FISHED	--- CATCH PER SPECIES ---			DATE	ZONE	HOURS FISHED	--- CATCH PER SPECIES ---		
8 MAY	6	6.0	10:	5		16 MAY	1	4.0	10:	1	
8 MAY	4	5.5	12:	2	36: 1 58: 12	17 MAY	1	4.0			
8 MAY	2	6.0	61:	6		17 MAY	6	6.0	10:	4	
8 MAY	2	4.0	3:	2	9: 6 12: 3	17 MAY	1	7.0	9: 10 12: 6 31: 9		
			58:	21					90: 7 94: 15		
9 MAY	1	4.0	34:	2	45: 10 58: 6	18 MAY	1	6.5	10: 1 29: 1		
			76:	4		18 MAY	6	6.0	10: 5		
9 MAY	1	5.5				18 MAY	1	4.0	10: 2 29: 2		
9 MAY	6	6.0	10:	6		19 MAY	1	4.0	10: 4		
10 MAY	6	6.0	2:	1	10: 4	19 MAY	6	6.0	10: 6		
10 MAY	1	5.5	58:	3		19 MAY	1	6.5	87: 1 93: 1		
10 MAY	1	3.5	12:	2	45: 14 58: 3	19 MAY	4	6.0			
			76:	7		20 MAY	1	3.0	54: 12		
10 MAY	2	4.0	2:	1	3: 1 5: 2	20 MAY	1	7.0	10: 3		
			58:	31		20 MAY	2	6.0	17: 2 18: 23 76: 17		
10 MAY	2	7.0	7:	5	18: 30 42: 2	20 MAY	6	6.0	10: 1		
			70:	1	76: 27 85: 10	20 MAY	1	4.0	12: 4 58: 5		
10 MAY	2	3.0				21 MAY	1	4.0	29: 1		
11 MAY	2	4.0	9:	5	12: 5 58: 23	21 MAY	6	6.0	10: 3		
11 MAY	1	4.0	12:	1	58: 1 61: 2	21 MAY	1	6.0	10: 6 29: 2 43: 1		
11 MAY	1	5.5	8:	2	12: 5				61: 3		
11 MAY	6	6.0	10:	4		22 MAY	6	6.0	10: 4		
12 MAY	6	6.0	10:	6		22 MAY	1	8.0	7: 3 10: 4 29: 1		
12 MAY	1	5.5	58:	10					58: 10 97: 1		
12 MAY	1	5.0	61:	4		23 MAY	1	8.0	58: 5		
12 MAY	1	3.0	7:	6	9: 5 12: 8	23 MAY	6	6.0	10: 5		
			58:	7	90: 6	23 MAY	1	2.5	45: 7 58: 4 61: 2		
12 MAY	2	4.0	2:	1	29: 1 58: 15	23 MAY	2	4.0	10: 1		
13 MAY	2	4.0	10:	1		23 MAY	2	3.0	18: 15 19: 4 76: 20		
13 MAY	1	6.0	7:	3	9: 17 12: 12	24 MAY	2	4.0	10: 2		
			58:	40	90: 4	24 MAY	1	2.0	9: 3 12: 3 58: 4		
13 MAY	1	4.0	92:	1					90: 9 94: 3		
13 MAY	6	6.0	10:	5		24 MAY	1	4.0	12: 4 34: 1 45: 12		
14 MAY	6	6.0	10:	3					58: 3		
14 MAY	4	4.0	8:	10	12: 5 58: 8	24 MAY	6	6.0	10: 4		
14 MAY	2	4.0	10:	1		24 MAY	1	8.0	7: 1 10: 2 24: 4		
14 MAY	2	4.0	7:	5	17: 1 18: 13				58: 10		
			42:	2	76: 19 85: 2	25 MAY	1	8.0			
14 MAY	1	4.0	76:	3		25 MAY	6	6.0	10: 4		
15 MAY	1	4.0	10:	2	97: 1	25 MAY	1	4.0	12: 5 45: 16 58: 1		
15 MAY	1	3.0	9:	6	12: 7 31: 5	25 MAY	2	4.0	10: 1 29: 1		
			90:	3		25 MAY	1	2.0	9: 8 64: 1 90: 4		
15 MAY	2	3.0	3:	1	18: 6 19: 8	26 MAY	2	4.0	2: 1 3: 2 58: 30		
			54:	4	76: 30	26 MAY	1	6.0	29: 2 35: 1 61: 1		
15 MAY	1	4.0	12:	4	29: 1	26 MAY	6	6.0	10: 6		
15 MAY	6	6.0	10:	5		26 MAY	1	4.0	10: 1 24: 1 58: 4		
16 MAY	3	6.0	10:	4		27 MAY	1	4.0			

APPENDIX TABLE 16 (CONTINUED).

DATE	ZONE	HOURS FISHED	--- CATCH PER SPECIES ---				DATE	ZONE	HOURS FISHED	--- CATCH PER SPECIES ---			
27 MAY	6	6.0	10:	5			4 JUN	2	7.0+	85:	8		
27 MAY	2	4.0	10:	1			5 JUN	1	3.5	12:	2	34:	1 45:
28 MAY	2	3.0	12:	4	18:	2 85:				54:	1	58:	4
28 MAY	2	4.0	4:	1	9:	10 19:				10:	1		
			58:	22			5 JUN	6	6.0	10:	5		
28 MAY	1	2.5	61:	1	92:	1	5 JUN	1	8.0	9:	3	10:	1 12:
28 MAY	2	6.0	29:	1	35:	1				58:	10		
28 MAY	6	6.0	10:	6			6 JUN	1	8.0	10:	2	58:	9
28 MAY	1	8.0	58:	12			6 JUN	6	6.0	10:	5		
29 MAY	1	8.0	3:	1	12:	4 19:				2:	1	58:	10
			58:	12			7 JUN	2	4.0	3:	1	9:	4 12:
29 MAY	6	6.0								58:	7		
29 MAY	2	4.0	35:	1			7 JUN	2	7.0	18:	26	42:	3 76:
29 MAY	1	4.0	3:	1	12:	4 45:				85:	16		
			54:	1	58:	2 84:				10:	6		
30 MAY	1	7.0	4:	2	7:	10 9:							
			12:	1	54:	6 58:							
			77:	2	86:	2 90:							
			92:	1	93:	5							
30 MAY	2	4.0	2:	1	10:	1	7 JUN	6	6.0				
30 MAY	1	4.0	29:	2	95:	1	7 JUN	1	4.0				
30 MAY	6	6.0	10:	1			8 JUN	1	4.0				
30 MAY	1	4.0	5:	2	10:	1 58:							
31 MAY	1	8.0	12:	9	58:	14	8 JUN	6	6.0	10:	6		
31 MAY	6	6.0	10:	3			8 JUN	2	4.0	10:	1	29:	1
31 MAY	2	4.0	3:	2	4:	1 12:				58:	68		
			58:	16			9 JUN	6	6.0	10:	6		
31 MAY	1	7.0	12:	2	54:	1 92:				9:	2	10:	4 12:
			109:	1			9 JUN	1	8.0	9:	2	10:	4 12:
1 JUN	1	2.0	9:	3	76:	2 90:				58:	14		
1 JUN	2	4.0	9:	3	12:	4 19:				10:	6		
			58:	20			10 JUN	6	6.0	10:	6		
1 JUN	6	6.0	10:	5			10 JUN	2	4.0	10:	1		
1 JUN	1	8.0	10:	1			10 JUN	1	8.0	4:	1	9:	8 12:
2 JUN	1	8.0	12:	10	58:	8				58:	11	90:	16 94:
2 JUN	6	6.0	10:	5			11 JUN	1	7.0	34:	2	54:	21 92:
2 JUN	2	4.0	10:	2	95:	1	11 JUN	2	4.0	29:	2		
2 JUN	1	6.0	9:	12	12:	8 29:				10:	8		
			58:	7	90:	10 94:				9:	6	17:	4 58:
2 JUN	1	3.5	45:	4	58:	1 70:				10:	5		
3 JUN	1	4.0	12:	7	45:	16 58:				2:	1	9:	4 29:
3 JUN	2	4.0	3:	1	29:	6 58:				58:	25		
3 JUN	6	6.0	10:	6			12 JUN	1	8.0	9:	6	17:	4 58:
4 JUN	6	6.0	10:	6			12 JUN	6	6.0	10:	5		
4 JUN	2	4.0	9:	6	12:	3 29:				2:	1	9:	4 29:
			58:	17			12 JUN	2	4.0	2:	1	9:	4 29:
4 JUN	2	7.0	18:	31	42:	1 76:				10:	1	36:	2
			58:	17			13 JUN	2	4.0	10:	1		
			18:	15	19:	6 42:				10:	8		
			54:	13	76:	30				10:	8		
			29:	7	45:	16 58:				10:	8		
			3:	1	29:	6 58:				3:	5	10:	1 12:
			10:	6						29:	2	58:	39
			10:	6						2:	1	3:	3 9:
			9:	6	12:	3 29:				29:	3	58:	23
			58:	17						18:	15	19:	6 42:
			18:	31	42:	1 76:				54:	13	76:	30

APPENDIX TABLE 16 (CONTINUED).

DATE	ZONE	HOURS FISHED	-- CATCH PER SPECIES --				DATE	ZONE	HOURS FISHED	-- CATCH PER SPECIES --							
15 JUN	6	6.0	10:	4			25 JUN	2	4.0	3:	2	7:	1	12:	5		
15 JUN	1	8.0	9:	9	12:	4	17:	2		58:	23	70:	2				
			58:	14					25 JUN	2	4.0	97:	1				
16 JUN	1	4.0					25 JUN	6	6.0	10:	8						
16 JUN	6	6.0	10:	6			26 JUN	6	6.0	10:	9						
16 JUN	2	4.0	3:	1	9:	5	12:	8	26 JUN	1	4.0	9:	3	12:	6	17:	1
			29:	4	58:	27					58:	11					
16 JUN	2	7.0	18:	42	42:	2	76:	4	26 JUN	1	4.0	3:	1	45:	3	58:	44
17 JUN	2	9.0	18:	57	20:	1	42:	5	27 JUN	2	4.0	10:	2				
			76:	7					27 JUN	1	4.0	9:	9	12:	3	58:	9
17 JUN	2	4.0	10:	1	29:	1	58:	24	27 JUN	6	6.0	10:	8				
17 JUN	6	6.0	10:	6					28 JUN	6	6.0	10:	6				
17 JUN	1	4.0	10:	1					28 JUN	1	4.0	9:	1	12:	1	29:	3
18 JUN	1	8.0	9:	6	17:	1	58:	9			58:	6					
18 JUN	6	6.0	10:	9					28 JUN	2	4.0	3:	1	10:	1	58:	14
18 JUN	2	4.0	3:	2	7:	2	12:	3	28 JUN	1	3.5	45:	2	58:	31	76:	2
			58:	16							84:	1					
18 JUN	2	3.0							28 JUN	2	8.0	17:	1	18:	43	42:	8
19 JUN	1	4.0	10:	1	29:	2	73:	10			76:	5	85:	4			
			90:	50	93:	1			28 JUN	2	4.0						
19 JUN	6	6.0	10:	7					29 JUN	2	5.0						
20 JUN	1	6.0	10:	4	58:	37			29 JUN	2	4.0	2:	1	9:	10	58:	39
20 JUN	2	4.0	2:	1	9:	5	12:	3	29 JUN	6	6.0	10:	3				
			58:	31					30 JUN	6	6.0	10:	1				
21 JUN	2	4.0	10:	2	58:	16			30 JUN	2	4.0	10:	1				
21 JUN	2	4.0							30 JUN	2	6.0						
21 JUN	6	6.0	10:	6					1 JUL	2	4.0	2:	1	9:	6	12:	4
22 JUN	6	6.0	10:	6							58:	30					
22 JUN	2	3.0							1 JUL	2	9.0	17:	1	18:	71	20:	1
22 JUN	2	4.0	10:	2							42:	19	70:	1	76:	12	
22 JUN	1	3.5	12:	2	45:	10	58:	14			85:	3					
			93:	1					2 JUL	1	3.5	34:	1	45:	4	58:	57
23 JUN	2	8.0	17:	1	18:	39	42:	5			76:	5	84:	2			
			76:	7	85:	9			2 JUL	2	4.0	7:	2	9:	4	12:	3
23 JUN	2	4.0	3:	3	10:	9	58:	33			58:	10					
23 JUN	2	4.0	35:	1	97:	2			2 JUL	6	6.0	10:	6				
23 JUN	6	6.0	10:	6					3 JUL	6	6.0	10:	6				
24 JUN	6	6.0	10:	6					3 JUL	1	4.0	9:	3	12:	6	54:	2
24 JUN	2	5.0	97:	3							58:	6					
24 JUN	2	4.0	10:	1	58:	14			3 JUL	1	3.5	12:	1	34:	1	45:	4
24 JUN	1	6.0	9:	6	12:	28	35:	1			58:	41	76:	6			
			58:	7	90:	14	94:	11	3 JUL	3	3.0	18:	13	19:	2	42:	4
25 JUN	2	2.0	18:	1	42:	1	76:	3			76:	10					
			85:	1					4 JUL	3	6.0	3:	1	18:	15	19:	4
25 JUN	1	7.5	4:	3	29:	1	34:	2			20:	2	42:	3	76:	14	
			43:	1	54:	18	58:	7	4 JUL	2	4.0	3:	2	12:	3	58:	16
			93:	1							84:	1					

APPENDIX TABLE 16 (CONTINUED).

DATE	ZONE	HOURS FISHED	-- CATCH PER SPECIES --				DATE	ZONE	HOURS FISHED	-- CATCH PER SPECIES --					
4 JUL	1	4.0	29:	2	58:	9	16 JUL	3	6.0	9:	8	12:	4	31:	22
4 JUL	6	6.0	10:	8			16 JUL	2	4.0	3:	1	4:	2	9:	6
5 JUL	6	6.0	10:	11						19:	1	58:	11	84:	1
5 JUL	1	4.0	9:	1	12:	1	29:	5	16 JUL	1	7.0	3:	1	12:	1
			58:	11							92:	4			
5 JUL	2	4.0	10:	1			16 JUL	2	6.0	10:	5				
6 JUL	2	4.0	9:	3	58:	23	84:	1	17 JUL	6	6.0	10:	2		
6 JUL	6	6.0	10:	10					17 JUL	1	4.0	10:	1		
7 JUL	6	6.0	10:	7					17 JUL	1	4.0	45:	2	58:	36
7 JUL	1	4.0	9:	2	12:	3	29:	1			76:	4			
			58:	8					17 JUL	1	3.0	9:	1	54:	3
7 JUL	2	4.0	2:	1	10:	1			17 JUL	1	3.0	7:	1	9:	7
8 JUL	2	4.0	3:	1	58:	28					31:	26			
8 JUL	1	4.0							18 JUL	1	1.0	30:	2	31:	18
8 JUL	6	6.0	10:	6					18 JUL	2	4.0	3:	3	5:	1
9 JUL	6	6.0	10:	1							29:	1	58:	16	84:
9 JUL	1	4.0	10:	5					18 JUL	1	4.0	10:	3		
9 JUL	2	4.0	9:	11	58:	19	84:	1	18 JUL	2	6.0	10:	4		
9 JUL	3	4.0	18:	25	19:	1	76:	5	19 JUL	2	5.0	58:	51		
			97:	1					19 JUL	1	4.0				
10 JUL	1	7.0	4:	3	12:	2	34:	2	19 JUL	1	4.0	10:	1		
			43:	1	54:	10	58:	9	19 JUL	2	3.0	17:	1	18:	2
			70:	1	84:	1					90:	4			
10 JUL	1	4.0	9:	3	12:	2	29:	5	19 JUL	1	2.0	30:	4	31:	36
			58:	9					20 JUL	1	3.0	30:	3	31:	28
10 JUL	2	6.0	10:	5	19:	1			20 JUL	2	5.0	3:	1	18:	32
11 JUL	2	6.0	10:	1					20 JUL	2	4.0	3:	2	4:	1
11 JUL	1	6.0	4:	2	12:	6	54:	2			58:	29	84:	1	
			58:	14					20 JUL	1	4.0	2:	1	9:	5
11 JUL	2	4.0	3:	2	9:	4	12:	3			29:	1	58:	8	
			19:	2	58:	13	84:	1	21 JUL	1	4.0				
12 JUL	1	4.0							21 JUL	6	6.0	10:	4		
12 JUL	1	3.5	45:	4	58:	29	84:	1	21 JUL	2	4.0	2:	1	12:	4
12 JUL	2	6.0	2:	1	10:	2					58:	12	84:	1	
12 JUL	1	4.0	9:	4	12:	4	29:	6	21 JUL	1	3.0	4:	1	31:	32
			58:	8					22 JUL	3	6.0	17:	2	18:	43
13 JUL	1	4.0	9:	2	12:	4	29:	3	22 JUL	2	4.0	3:	1	4:	2
			58:	9							19:	1	58:	17	84:
13 JUL	2	6.0	10:	3	19:	1			22 JUL	2	9.0	18:	74	20:	1
13 JUL	2	4.0	2:	1	19:	1	58:	18			76:	35			
			84:	3					22 JUL	6	6.0	10:	1	58:	31
14 JUL	2	4.0	10:	1					22 JUL	1	4.0				
14 JUL	1	4.0	9:	1	12:	1	29:	4	23 JUL	6	6.0	10:	4		
15 JUL	2	4.0	3:	1	5:	1	12:	6	23 JUL	1	4.0	3:	2	29:	1
			58:	29	84:	2			23 JUL	3	6.0	17:	3	18:	58
15 JUL	4	6.0	18:	9	19:	1	54:	18	24 JUL	1	3.0	4:	2	9:	14
			76:	8					24 JUL	6	6.0	10:	4	31:	30

APPENDIX TABLE 16 (CONTINUED).

DATE	ZONE	HOURS FISHED	--- CATCH PER SPECIES ---				DATE	ZONE	HOURS FISHED	--- CATCH PER SPECIES ---			
24 JUL	1	4.0	4: 1	9: 4	12: 3	4 AUG	1	4.0	58: 12	82: 1			
			19: 1	58: 2		4 AUG	2	5.0	17: 1	18: 6	42: 3		
25 JUL	1	4.0	9: 5	12: 6	36: 1				76: 6	85: 12	90: 7		
			58: 9			4 AUG	1	3.0	9: 4	45: 15	58: 12		
25 JUL	2	5.0	4: 4	58: 21					70: 2				
25 JUL	3	3.0	18: 15	76: 10		5 AUG	1	3.0	92: 2				
26 JUL	5	5.0	18: 5	31: 12		5 AUG	2	4.0	4: 2	9: 3	54: 6		
26 JUL	1	4.0	54: 1	58: 12					58: 8				
27 JUL	6	6.0	10: 1			5 AUG	1	4.0	12: 3	58: 6	82: 2		
27 JUL	3	7.0	17: 1	18: 3	76: 5	5 AUG	2	4.0	3: 1	6: 3	17: 30		
27 JUL	1	5.0	12: 2	34: 1	54: 1				18: 24	54: 3	76: 2		
			90: 7			6 AUG	2	4.0	3: 1	17: 6	18: 25		
28 JUL	6	6.0	10: 2						20: 1	26: 1	42: 1		
29 JUL	6	6.0							76: 7				
29 JUL	1	4.0	4: 1	9: 3	24: 9	7 AUG	2	3.5	17: 8	18: 31	42: 1		
29 JUL	1	3.0	18: 5	76: 10					54: 11	76: 15			
30 JUL	2	7.0	18: 36	42: 11	76: 13	7 AUG	1	2.0	34: 1	54: 2	90: 6		
30 JUL	1	4.0	36: 2			7 AUG	1	4.0	84: 1	92: 2			
30 JUL	6	6.0	4: 10	58: 13		8 AUG	1	3.0	12: 1	92: 1			
31 JUL	1	4.0	36: 1	58: 9	82: 2	8 AUG	2	4.0	9: 10				
31 JUL	1	4.0	3: 1	45: 4	58: 27	8 AUG	1	3.0	4: 2	9: 5	12: 4		
			70: 1	84: 2					31: 26				
31 JUL	1	3.0	9: 5	12: 3	58: 22	8 AUG	1	4.0	12: 6	58: 4	93: 1		
			70: 1			8 AUG	2	3.0	58: 11				
1 AUG	1	3.0	9: 4	12: 2	54: 2	9 AUG	1	4.0	12: 1	58: 9	93: 2		
			58: 12	92: 1		9 AUG	2	4.0	84: 1	90: 4	92: 1		
1 AUG	1	3.5	45: 6	58: 14	70: 1	9 AUG	1	7.5	7: 2	12: 2	45: 4		
1 AUG	2	4.0	2: 1	9: 1	12: 4				58: 16				
			54: 4			9 AUG	2	4.0	17: 6	18: 15	26: 1		
1 AUG	1	4.0	4: 2	12: 1	34: 3				42: 3	54: 8	76: 18		
			58: 10			10 AUG	2	4.0	9: 8	84: 3	92: 1		
1 AUG	2	4.5	6: 1	18: 12	26: 1	10 AUG	1	4.0	9: 3	12: 2	58: 12		
			50: 2	54: 1	76: 8	11 AUG	2	4.0	4: 1	58: 14	90: 6		
			97: 1			11 AUG	1	3.0	4: 3	31: 1	34: 1		
2 AUG	2	4.0	17: 6	18: 11	20: 2				54: 4	70: 1	90: 6		
			42: 2	54: 9	76: 7	11 AUG	2	6.0	18: 35	20: 1	42: 3		
2 AUG	1	4.0	9: 1	93: 2					54: 2				
2 AUG	1	3.0	12: 1	92: 1		11 AUG	6	3.5	1: 1	6: 1	17: 3		
2 AUG	5	6.0	18: 2	58: 14					18: 32	20: 1	26: 1		
3 AUG	3	7.0	17: 1	18: 4	76: 5				42: 5	54: 4	76: 6		
3 AUG	2	4.0	4: 1	9: 1	12: 3	12 AUG	2	4.0	11: 1	17: 4	18: 36		
			54: 3	58: 16					20: 1	26: 2	42: 4		
3 AUG	1	4.0	34: 7	93: 2					54: 3	76: 8			
3 AUG	2	4.0	17: 20	18: 19	20: 1	12 AUG	2	5.0	18: 24	42: 2			
			42: 1	50: 5	54: 4	12 AUG	2	4.0	9: 20	58: 7			
4 AUG	2	3.5	17: 5	18: 29	50: 1	12 AUG	1	6.0	36: 6	93: 2			
			54: 5	76: 5		12 AUG	2	6.0	58: 35				

APPENDIX TABLE 16 (CONTINUED).

DATE	ZONE	HOURS FISHED	--- CATCH PER SPECIES ---				DATE	ZONE	HOURS FISHED	--- CATCH PER SPECIES ---							
13 AUG	1	4.0	9:	1	12:	1	58:	6	21 AUG	2	4.0	18:	42	19:	10	20:	1
			93:	1								42:	7	76:	14		
13 AUG	2	4.0	4:	1	9:	5	58:	16	21 AUG	1	3.5	4:	6	12:	1	34:	1
			90:	10								54:	8	58:	4	92:	1
13 AUG	2	6.0	18:	41					21 AUG	1	3.0	7:	4	9:	2	12:	1
13 AUG	3	2.0	7:	4	18:	43	26:	4				31:	15				
			42:	3	76:	6			21 AUG	1	4.0	2:	1	12:	4	17:	2
13 AUG	2	4.0	17:	1	18:	49	54:	12				58:	6	93:	1		
			76:	10					22 AUG	1	4.0	9:	4	12:	9	58:	6
14 AUG	2	4.0	3:	1	6:	1	13:	1	22 AUG	1	4.0	4:	14	54:	4	58:	3
			17:	5	18:	27	42:	3				61:	1				
			50:	2	76:	2			23 AUG	2	4.0	9:	3	58:	20	61:	3
14 AUG	1	6.0	58:	6					24 AUG	1	6.0	18:	6	76:	4		
15 AUG	1	4.0	9:	1	10:	1	12:	2	24 AUG	3	3.0	7:	4	18:	15	19:	2
			93:	1								76:	4				
15 AUG	2	4.0	2:	1	4:	2	9:	5	24 AUG	1	4.0	9:	3	12:	4	58:	6
			58:	17	90:	11						93:	1				
15 AUG	2	4.5	3:	1	13:	1	17:	6	25 AUG	2	4.0	9:	6	12:	4	58:	32
			18:	15	24:	26	26:	5	26 AUG	1	2.0	4:	2	31:	2	54:	8
			50:	1	54:	9			26 AUG	1	4.0	9:	1	10:	5	58:	12
16 AUG	2	4.0	12:	4	58:	19						93:	2				
16 AUG	1	4.0	9:	3	12:	4	36:	1	27 AUG	1	4.0	10:	1	36:	2	93:	1
			93:	9					27 AUG	3	10.0	2:	3	6:	3	17:	9
17 AUG	1	4.0										18:	84	19:	4	26:	1
17 AUG	1	3.0	58:	26								42:	5	54:	4	76:	1
17 AUG	1	4.0	4:	4	12:	2	54:	1	28 AUG	1	4.0	10:	1	36:	2		
			58:	17	84:	1	92:	1	28 AUG	1	3.0	4:	4				
17 AUG	3	5.0	18:	40	19:	3	42:	4	29 AUG	1	4.0	36:	3	58:	1		
			54:	3	76:	15			29 AUG	1	3.0	4:	16	31:	1	43:	1
18 AUG	1	3.0	4:	1	5:	1	9:	5				54:	11	92:	1		
			12:	4	31:	22			30 AUG	1	3.0	4:	8	31:	5	54:	2
18 AUG	1	3.5	4:	6	34:	1	54:	4	30 AUG	1	3.0	4:	4				
			58:	24	61:	1			31 AUG	1	6.0	4:	21				
18 AUG	2	4.0	12:	3	58:	11	84:	1	31 AUG	3	6.0	30:	160				
18 AUG	1	4.0	10:	1	36:	1	93:	1	31 AUG	1	3.0	4:	4	17:	1	54:	9
19 AUG	1	8.0	9:	3	12:	1	58:	13				90:	5				
19 AUG	2	4.0	3:	1	58:	24			1 SEP	1	3.0	4:	4				
19 AUG	1	4.0	34:	2	54:	4	58:	27	1 SEP	1	4.0	9:	1	12:	3	58:	9
			84:	1					2 SEP	1	3.0	4:	9				
19 AUG	3	5.0	18:	43	19:	2	54:	5	2 SEP	1	8.0	9:	4	12:	12	58:	15
			76:	6								93:	1				
20 AUG	1	3.0	9:	3	12:	2	31:	21	2 SEP	1	6.0	4:	2	9:	1	12:	2
20 AUG	1	7.0	43:	2	58:	8	61:	1				34:	9	54:	5	84:	1
20 AUG	2	4.0	9:	4	12:	2	58:	20				90:	14				
20 AUG	2	4.0	17:	8	18:	35	20:	1	3 SEP	1	3.0	4:	2	34:	6	54:	7
			42:	3	50:	5	54:	4				90:	5				
			64:	1	76:	9			3 SEP	1	8.0	9:	1	12:	6	36:	7

APPENDIX TABLE 16 (CONTINUED).

DATE	ZONE	HOURS FISHED	--- CATCH PER SPECIES ---				DATE	ZONE	HOURS FISHED	--- CATCH PER SPECIES ---							
3 SEP	1	8.0+	93:	1				12 SEP	1	4.0	9:	4	12:	3	58:	18	
3 SEP	1	6.0	4:	10				12 SEP	1	3.0	4:	15	43:	4	76:	10	
3 SEP	2	4.0	17:	12	18:	36	20:	2	12 SEP	1	6.0	58:	14				
			50:	1	54:	11	76:	9	12 SEP	1	4.0	4:	1	58:	1	92:	3
4 SEP	1	2.0	4:	12	34:	1	54:	1	13 SEP	1	4.0	4:	3	58:	6		
			90:	5					13 SEP	1	4.0	4:	2	43:	1	54:	2
4 SEP	2	3.0	18:	30	19:	2	42:	7	13 SEP	2	7.0	17:	1	18:	34	76:	8
			76:	15					14 SEP	1	6.0	4:	8	54:	4	58:	6
5 SEP	1	3.0	4:	2	90:	11					70:	1	92:	1			
5 SEP	1	4.0	4:	4	12:	6	58:	8	14 SEP	1	4.0	4:	3	12:	6	18:	1
5 SEP	2	4.0	17:	4	18:	35	20:	2	14 SEP	1	3.0	4:	6				
			26:	2	54:	6	76:	8	15 SEP	1	3.0	4:	2	31:	3	54:	3
6 SEP	1	4.0	4:	1	12:	2	17:	3	16 SEP	1	5.0	4:	24	54:	8	90:	7
			58:	1							92:	1					
6 SEP	1	4.0	18:	8	42:	2	76:	4	16 SEP	1	3.0	4:	4	31:	15	43:	2
7 SEP	1	4.0	4:	22	12:	1	54:	4	16 SEP	1	4.0	4:	4	92:	1		
			90:	4					17 SEP	1	4.0	4:	1	12:	9	58:	12
7 SEP	1	3.5	12:	1	45:	2	58:	16	17 SEP	1	6.0	4:	12	9:	4	12:	2
			84:	1							31:	1	43:	3	54:	4	
7 SEP	1	4.0									90:	12					
7 SEP	2	4.0	17:	2	18:	22	20:	4	17 SEP	1	4.0	4:	1	9:	2	12:	2
			50:	4	54:	9	76:	12			58:	25	84:	1			
8 SEP	2	4.0	17:	4	18:	20	20:	1	18 SEP	1	4.0	12:	4	17:	1	28:	7
			26:	2	54:	4	76:	9			34:	3	54:	4	92:	1	
8 SEP	1	4.0	4:	31	54:	6	90:	9	18 SEP	3	6.0	18:	24	19:	3	26:	3
			92:	2							42:	15	54:	1			
9 SEP	1	4.0	4:	21	54:	12	90:	7	18 SEP	1	8.0	4:	4	5:	1	17:	2
			92:	1							58:	2	92:	1			
9 SEP	1	4.0	2:	1	4:	2	12:	5	18 SEP	2	4.0	18:	18	19:	1	20:	2
			54:	3	70:	1					42:	6	50:	1			
9 SEP	2	4.0	17:	3	18:	37	20:	2	19 SEP	1	4.0	4:	3	5:	2	9:	1
			26:	2	50:	3	54:	11			12:	6	58:	8			
			76:	14					19 SEP	2	4.0	4:	3	9:	3	12:	2
10 SEP	3	14.0	11:	1	13:	8	17:	4			43:	1	54:	3	58:	14	
			18:	95	20:	4	26:	210	20 SEP	1	3.0	4:	3	12:	6	31:	1
			50:	22	54:	12	60:	1			34:	2	35:	2	90:	9	
			76:	18					21 SEP	1	3.0	4:	1	12:	3	34:	2
10 SEP	1	2.0	9:	6	12:	4	31:	24			54:	9	90:	4			
10 SEP	1	4.0	4:	9	12:	12	58:	3	21 SEP	1	3.0	4:	15	9:	5	12:	4
			92:	1							31:	5					
10 SEP	1	3.0	4:	4					21 SEP	2	4.0	18:	24	19:	4	20:	1
11 SEP	1	2.0	4:	12	54:	9	90:	6			26:	5	42:	4	50:	3	
			92:	1					22 SEP	1	3.0	4:	5	12:	2	31:	2
11 SEP	1	7.0	4:	11	34:	1	43:	1			92:	5					
			54:	2	58:	1	92:	2	22 SEP	1	5.0	4:	5	12:	4	17:	2
12 SEP	1	3.0	4:	2	54:	4	90:	7			29:	1	31:	1	54:	1	
			92:	3							70:	1	90:	9			

APPENDIX TABLE 16 (CONTINUED).

DATE	ZONE	HOURS FISHED	--- CATCH PER SPECIES ---				DATE	ZONE	HOURS FISHED	--- CATCH PER SPECIES ---							
22 SEP	1	4.0	3:	2	8:	1	4 OCT	2	6.0+	76:	9						
23 SEP	1	4.0	3:	1	8:	9	11:	7	4 OCT	2	6.0	2:	1	18:	18	19:	1
			17:	1	58:	2	92:	1				42:	2				
24 SEP	1	4.0					4 OCT	1	8.0	4:	2	13:	15	58:	2		
24 SEP	1	2.0	43:	3	54:	2	90:	15	5 OCT	2	7.0	3:	3	18:	24	42:	6
24 SEP	1	3.0	4:	32					5 OCT	1	4.0	4:	4	9:	3	34:	7
24 SEP	2	4.0	4:	2	8:	3	12:	4				43:	2	54:	21	90:	7
			43:	2	58:	18	84:	1	5 OCT	2	4.0	3:	1	17:	25	18:	19
24 SEP	1	6.0	4:	4	76:	4	92:	1				20:	1	26:	2	50:	1
25 SEP	1	7.0	4:	2	9:	13	12:	2				54:	9	76:	14		
			17:	1	30:	7	34:	5	6 OCT	1	4.0	3:	2	4:	3	58:	20
			54:	47	90:	17	92:	1				88:	1				
25 SEP	1	3.5	4:	7	12:	1	45:	2	7 OCT	1	3.0	4:	2	54:	4	90:	7
			54:	3	58:	1			7 OCT	1	3.0	4:	25	9:	4	12:	3
25 SEP	1	4.0	3:	2	5:	1	12:	9				31:	10	54:	6	92:	1
			17:	1	58:	2			8 OCT	1	3.0	4:	15	9:	2	12:	1
26 SEP	1	4.0	3:	6	5:	3	9:	4				31:	15	92:	2		
			12:	12					8 OCT	3	10.0	17:	21	18:	118	20:	2
27 SEP	1	4.0	4:	3								50:	2	54:	18	76:	8
27 SEP	1	4.0	4:	18	17:	1	30:	3	9 OCT	3	5.5	17:	13	18:	51	50:	1
			34:	7	54:	23	90:	5				54:	7	76:	11		
			92:	2					9 OCT	2	1.0	18:	8				
27 SEP	2	4.0	3:	1	4:	2	58:	9	9 OCT	2	4.0	17:	1	36:	3	93:	1
			88:	2					10 OCT	2	4.0	17:	3	58:	9		
28 SEP	1	4.0	4:	4	9:	3	30:	5	10 OCT	2	7.0	18:	46	20:	1	42:	3
			34:	9	54:	3	90:	6				76:	9				
28 SEP	1	7.0	3:	14	34:	2	54:	1	11 OCT	1	3.5	4:	4	12:	2	42:	1
			58:	4	92:	1						43:	1	58:	6	76:	2
29 SEP	1	4.0	3:	1	4:	1	5:	1	11 OCT	2	4.0	15:	3	17:	1	58:	10
			9:	3	12:	15			12 OCT	1	3.0	4:	2	54:	9		
29 SEP	2	4.0	17:	15	18:	24	54:	19	12 OCT	1	3.0	4:	9	31:	5	54:	3
			76:	8					12 OCT	2	4.0	1:	9	3:	5	17:	22
30 SEP	2	4.5	17:	44	18:	41	50:	1				18:	27	26:	1	50:	1
			54:	4	76:	4						54:	7	76:	14		
30 SEP	1	4.0	4:	3	12:	6			13 OCT	1	3.0	4:	4	31:	2		
30 SEP	2	7.0	19:	19	76:	15			13 OCT	2	4.0	17:	4	58:	9		
1 OCT	2	4.0	4:	4	12:	3	58:	9	14 OCT	2	4.0	12:	3	17:	1	58:	4
			88:	1								93:	1				
2 OCT	1	3.5	5:	6	12:	4	34:	1	14 OCT	1	3.0	4:	21	31:	6	54:	1
			54:	1	58:	6			14 OCT	1	3.0	14:	1	54:	2	92:	2
2 OCT	1	4.0	3:	6	4:	3	13:	6	14 OCT	1	3.0	4:	4	54:	17	90:	6
			19:	2					15 OCT	1	4.0	4:	3	54:	3	58:	6
2 OCT	2	4.0	3:	1	17:	18	18:	27				88:	1				
			20:	1	70:	1	76:	11	15 OCT	1	3.0	4:	11	9:	2	12:	1
3 OCT	1	8.0	4:	2	13:	10	58:	6				31:	23				
3 OCT	1	7.0	7:	1	10:	1	29:	2	15 OCT	2	4.0	3:	1	17:	18	18:	24
4 OCT	2	6.0	18:	41	20:	2	42:	1				50:	2	54:	13	64:	1

APPENDIX TABLE 16 (CONTINUED).

DATE	ZONE	HOURS FISHED	--- CATCH PER SPECIES ---					DATE	ZONE	HOURS FISHED	--- CATCH PER SPECIES ---						
15 OCT	2	4.0+	76:	11				26 OCT	2	2.5+	54:	6	76:	15			
16 OCT	3	8.0	3:	1	13:	3	16:	1	27 OCT	2	8.0	4:	1	17:	2	34:	2
			17:	12	18:	32	20:	1			58:	9					
			26:	1	50:	2	54:	14	27 OCT	1	4.0	4:	7	12:	3	58:	19
			76:	11					27 OCT	1	2.0	54:	9	90:	1		
16 OCT	1	3.0	4:	3	31:	18	54:	2	28 OCT	1	3.0	54:	14	90:	3		
16 OCT	1	1.0	4:	1	54:	7	90:	3	28 OCT	2	3.0	7:	3	18:	6	19:	1
16 OCT	1	3.5	54:	2	58:	8	92:	1			68:	1					
17 OCT	1	3.0	4:	3	54:	17	90:	8	28 OCT	2	4.0	14:	2	15:	3	19:	2
17 OCT	1	3.5	4:	2	43:	1	54:	4			34:	1	58:	8			
17 OCT	2	2.0	9:	6	58:	7			29 OCT	1	4.0	4:	3	58:	17	70:	2
17 OCT	2	4.0	4:	3	12:	2	15:	1	29 OCT	2	4.0	17:	16	18:	14	20:	3
			58:	6							26:	4	50:	2	54:	8	
18 OCT	2	4.0	12:	4	15:	2	58:	10			76:	11					
18 OCT	2	6.0	18:	84	76:	5			30 OCT	3	7.5	1:	2	6:	1	16:	1
19 OCT	1	6.0	4:	5	12:	7	34:	10			17:	11	18:	27	20:	2	
			54:	22	90:	11					26:	4	50:	5	54:	9	
19 OCT	1	2.0	4:	5	31:	1	92:	1			76:	13					
21 OCT	2	4.0	3:	3	9:	5	12:	4	30 OCT	2	4.0	3:	7	8:	1	12:	2
			58:	9							17:	2	20:	1	76:	2	
21 OCT	2	4.0	9:	2	12:	4	58:	14	31 OCT	1	3.0	4:	4	9:	3	34:	3
			93:	1							54:	8					
22 OCT	2	4.0	9:	2	12:	6	17:	3	1 NOV	1	3.0	4:	4	9:	3	12:	2
			58:	11	93:	1					31:	23					
22 OCT	1	3.0	4:	2	9:	5	12:	3	2 NOV	1	2.0	4:	1	9:	6	31:	10
			31:	23					2 NOV	1	4.0	4:	2	9:	5	17:	1
22 OCT	3	15.0	2:	2	17:	24	18:	58	2 NOV	1	4.0	7:	1	9:	3	15:	2
			20:	4	26:	19	50:	3			58:	6					
			54:	29	76:	13			3 NOV	2	4.0	17:	19	18:	10	26:	2
23 OCT	3	7.0	17:	21	18:	34	20:	1	3 NOV	2	4.0	50:	1	54:	6	76:	9
			26:	2	50:	1	54:	7	4 NOV	3	10.5	1:	3	3:	1	17:	3
			76:	11							18:	45	20:	3	26:	3	
23 OCT	1	3.0	4:	3	7:	1	9:	4			50:	1	54:	17	76:	14	
			12:	2	31:	15			4 NOV	2	4.0	17:	2	58:	17		
23 OCT	1	4.0	34:	2	76:	2			4 NOV	2	6.0	17:	1	18:	126	20:	1
23 OCT	2	4.0	5:	1	12:	3	19:	1			42:	2	76:	5			
			58:	14					5 NOV	2	3.0	3:	3	6:	3	18:	5
24 OCT	1	3.0	4:	5	31:	3	34:	4			19:	2					
			90:	7					5 NOV	3	6.0	17:	2	18:	29	20:	1
24 OCT	1	4.0	4:	6	9:	3	58:	11			26:	2	50:	3	54:	14	
25 OCT	1	3.0	4:	2	9:	6	12:	3			76:	8					
			31:	23					6 NOV	2	3.5	3:	1	17:	1	20:	1
26 OCT	1	4.0	4:	2	12:	4	58:	21	6 NOV	2	4.0	34:	4	42:	1	70:	1
26 OCT	2	4.0	4:	1	9:	3	34:	1	6 NOV	1	4.0	4:	1	12:	3	15:	2
			58:	11							58:	14					
26 OCT	2	2.5	6:	1	12:	1	17:	11	7 NOV	1	4.0	4:	2	12:	6	17:	4
			18:	22	20:	1	50:	2									

APPENDIX TABLE 16 (CONTINUED).

DATE	ZONE	HOURS FISHED	--- CATCH PER SPECIES ---				DATE	ZONE	HOURS FISHED	--- CATCH PER SPECIES ---							
7 NOV	1	4.0+	58:	9			16 NOV	1	3.0+	54:	6						
7 NOV	2	3.0	12:	2	17:	2	16 NOV	2	4.0	17:	19	18:	16	20:	2		
7 NOV	1	2.0	34:	5	54:	9	90:	3		26:	4	42:	11	50:	4		
8 NOV	1	7.0	4:	3	12:	1	31:	14		54:	9	76:	12				
8 NOV	1	3.0	43:	2	54:	2			17 NOV	2	5.0	8:	1	17:	2	18:	27
8 NOV	1	3.0	4:	2	9:	8	17:	1		76:	9						
8 NOV	1	3.0	34:	9	54:	27	90:	5	17 NOV	1	4.0	31:	10				
8 NOV	1	3.0	4:	15	9:	2	12:	1	17 NOV	1	4.0	4:	11	12:	2	58:	6
8 NOV	4	4.0	3:	6	5:	1	12:	9	17 NOV	1	8.0	4:	1	17:	4	58:	14
8 NOV	2	4.0	18:	28	19:	4	26:	2	18 NOV	1	8.0	4:	6	6:	1	12:	4
9 NOV	1	4.0	50:	1	54:	9	76:	11	18 NOV	1	3.0	4:	3	9:	11	31:	2
10 NOV	1	4.0	4:	1	17:	5	58:	10	18 NOV	2	4.5	17:	2	18:	3	20:	16
10 NOV	1	3.0	17:	11	58:	2			18 NOV	1	3.0	26:	2	42:	8	50:	2
10 NOV	3	8.0	4:	2	9:	7	34:	5	18 NOV	2	4.5	54:	22	76:	10		
10 NOV	3	8.0	54:	18	90:	3			19 NOV	2	4.5	3:	4	6:	1	17:	15
11 NOV	3	6.0	3:	1	17:	2	18:	36	19 NOV	1	4.0	18:	12	20:	1	26:	1
11 NOV	3	6.0	26:	2	50:	1	54:	22	19 NOV	1	4.0	42:	12	50:	8	54:	18
11 NOV	3	6.0	76:	17					19 NOV	1	4.0	76:	20				
11 NOV	1	2.0	17:	3	18:	19	50:	1	19 NOV	1	4.0	4:	17	9:	2	54:	3
11 NOV	1	3.5	54:	6	76:	9			19 NOV	1	4.0	12:	3	17:	3	58:	16
11 NOV	1	4.0	17:	2	54:	11			20 NOV	2	3.5	19:	1	20:	1	34:	12
12 NOV	1	4.0	31:	2	92:	1			20 NOV	1	3.0	54:	2				
12 NOV	1	3.0	3:	4	5:	2	12:	9	20 NOV	1	3.0	4:	2	9:	2	12:	1
12 NOV	1	3.0	17:	2	58:	14			21 NOV	1	6.0	19:	1	31:	6		
12 NOV	2	4.0	4:	2	9:	6	12:	2	21 NOV	1	6.0	4:	5	7:	7	9:	26
13 NOV	2	3.0	31:	15					21 NOV	1	4.0	12:	7	31:	68	34:	3
13 NOV	1	3.5	12:	1	16:	2	17:	3	21 NOV	1	4.0	43:	1	90:	8	94:	6
13 NOV	1	4.0	18:	14	20:	2	26:	1	22 NOV	1	4.0	12:	3	15:	2	17:	1
14 NOV	2	7.0	3:	15	7:	6			22 NOV	1	4.0	58:	14				
14 NOV	1	4.0	4:	4	12:	1	31:	7	22 NOV	1	2.0	17:	1	58:	9		
14 NOV	2	7.0	34:	2	43:	2	54:	1	22 NOV	1	2.0	9:	14	12:	8	31:	2
14 NOV	1	4.0	2:	1	18:	34	20:	1	22 NOV	2	4.5	34:	2	35:	1		
15 NOV	1	4.0	4:	6	9:	2	54:	2	22 NOV	2	4.5	16:	4	17:	35	18:	8
15 NOV	1	4.0	58:	9					22 NOV	2	4.5	20:	14	42:	6	54:	16
15 NOV	1	4.0	12:	3	17:	1	58:	24	23 NOV	2	4.5	76:	10				
15 NOV	1	4.0	3:	1	4:	3	12:	5	23 NOV	1	5.0	16:	4	17:	36	18:	4
15 NOV	1	6.0	58:	16					23 NOV	1	5.0	20:	8	42:	10	54:	21
15 NOV	1	7.0	4:	4	9:	1	12:	1	23 NOV	1	5.0	76:	7				
16 NOV	1	7.5	54:	1	58:	11			23 NOV	1	3.0	4:	2	31:	8	34:	1
16 NOV	1	3.0	4:	3	9:	14	12:	3	23 NOV	1	3.0	45:	2				
			17:	2	31:	22	34:	4	23 NOV	1	4.0	4:	3	9:	4	31:	12
			45:	2					23 NOV	1	4.0	4:	2	12:	6	17:	2
			4:	8	31:	1	34:	1				58:	19				
			54:	2	92:	1			24 NOV	1	3.0	4:	6	9:	4	12:	3
			31:	3	45:	7	61:	2	24 NOV	1	4.0	31:	8				
			4:	1	34:	2	43:	4	24 NOV	1	4.0	9:	10	12:	6	31:	11

APPENDIX TABLE 16 (CONTINUED).

DATE	ZONE	HOURS FISHED	--- CATCH PER SPECIES ---				DATE	ZONE	HOURS FISHED	--- CATCH PER SPECIES ---							
24 NOV	1	4.0+	54:	14			1 DEC	1	5.0+	43:	1	90:	5	94:	9		
25 NOV	1	7.5	4:	1	31:	14	43:	1	1 DEC	1	4.0	4:	1	34:	8	54:	2
			70:	1					1 DEC	1	4.0	3:	3	5:	4	12:	9
25 NOV	1	3.0	4:	13	9:	20	12:	3				17:	2				
			31:	4	54:	24			1 DEC	2	4.5	3:	1	16:	2	17:	36
25 NOV	2	4.5	3:	1	16:	1	17:	3				18:	11	20:	4	42:	13
			18:	2	20:	6	54:	24				54:	24	76:	10		
			76:	11					2 DEC	2	8.0	17:	108	18:	8	20:	3
26 NOV	3	11.5	6:	1	12:	1	16:	1				76:	1				
			17:	26	18:	12	20:	2	2 DEC	1	4.0	58:	16				
			26:	4	42:	3	54:	24	2 DEC	2	5.0	18:	66	20:	1	76:	12
			76:	9					2 DEC	1	4.0	4:	23	54:	2	58:	3
26 NOV	1	3.0	4:	15	9:	2	12:	2	3 DEC	1	4.0	4:	31	12:	2	54:	1
			31:	7					3 DEC	1	4.0	4:	1	17:	2	58:	19
26 NOV	1	6.0	4:	2	7:	4	9:	21	3 DEC	2	4.0	1:	2	16:	4	17:	48
			12:	7	31:	11	90:	8				18:	21	20:	8	42:	5
			94:	14								54:	14	76:	10		
26 NOV	1	4.0	4:	1	12:	2	17:	3	4 DEC	2	4.5	3:	1	6:	1	17:	29
			58:	17								18:	15	20:	4	54:	18
27 NOV	1	4.0	4:	9	9:	3	58:	10				76:	12				
27 NOV	1	3.0	9:	5	31:	13			4 DEC	1	4.0	7:	4	34:	12	45:	4
27 NOV	3	8.0	13:	1	16:	2	17:	19				54:	2				
			18:	8	20:	3	26:	4	4 DEC	1	2.0	4:	3	9:	5	31:	1
			42:	4	50:	1	54:	22				92:	2				
			76:	12					5 DEC	1	4.0	4:	6	34:	2	58:	7
28 NOV	2	4.5	6:	1	12:	1	16:	2	6 DEC	1	4.0	4:	8	34:	3	58:	4
			17:	23	18:	14	20:	3	7 DEC	1	6.0	9:	22	12:	12	17:	1
			26:	2	42:	8	54:	19				31:	8	90:	7	94:	5
			76:	16					8 DEC	1	4.0	4:	19	19:	1	34:	2
28 NOV	1	4.0	4:	6	9:	2	54:	3				58:	1				
			58:	8					9 DEC	1	4.0	4:	11	34:	1	58:	8
29 NOV	1	6.0	4:	1	7:	6	9:	65	9 DEC	1	4.0	7:	1	17:	1	34:	6
			12:	14	17:	2	31:	16	10 DEC	1	4.0	4:	22	58:	2		
			34:	5	54:	11	70:	1	10 DEC	2	4.0	16:	2	17:	32	18:	3
			90:	8	94:	13						20:	3	54:	9	76:	7
29 NOV	1	4.0	4:	1	17:	1	58:	29	11 DEC	2	4.0	17:	35	18:	10	20:	4
29 NOV	2	4.5	17:	11	18:	5	20:	2				42:	4	50:	3	76:	14
			42:	3	50:	1	54:	10	12 DEC	1	4.0	4:	28	34:	3		
			76:	7					13 DEC	1	4.0	4:	19	34:	2	54:	2
30 NOV	2	4.5	16:	3	17:	31	18:	18	13 DEC	1	3.0	4:	2	9:	21	12:	3
			20:	3	42:	10	54:	21				92:	1				
			76:	12					14 DEC	1	5.0	4:	6	9:	18	12:	5
30 NOV	1	4.0	58:	43								31:	6	34:	8	54:	16
30 NOV	1	4.0	4:	11	12:	1	54:	2				92:	2				
			58:	7					14 DEC	1	4.0	4:	13				
1 DEC	1	5.0	4:	1	7:	3	9:	21	14 DEC	2	4.0	17:	11	18:	2	20:	2
			12:	6	31:	38	34:	4				29:	8				

APPENDIX TABLE 16 (CONTINUED).

DATE	ZONE	HOURS FISHED	— CATCH PER SPECIES —				DATE	ZONE	HOURS FISHED	— CATCH PER SPECIES —							
15 DEC	1	4.0	4:	17	34:	2	54:	1	27 DEC	2	4.0+	76:	19				
16 DEC	1	4.0	4:	11	34:	1	54:	4	28 DEC	2	4.0	16:	2	17:	12	18:	9
16 DEC	1	6.0	4:	1	9:	5	17:	3				20:	3	76:	11		
			31:	2	34:	26	54:	21	28 DEC	1	3.0	4:	5	9:	2	31:	13
17 DEC	1	4.0	4:	14	34:	2	54:	6				34:	1	54:	2		
18 DEC	2	4.0	3:	2	16:	3	17:	24	28 DEC	1	3.5	45:	7	70:	1		
			18:	11	20:	4	50:	1	28 DEC	1	5.0	34:	88				
			54:	8	76:	15			29 DEC	1	7.0	4:	3	31:	6	34:	12
19 DEC	1	4.0	4:	18	34:	2	58:	6				54:	7	92:	1		
			70:	1					29 DEC	1	6.0	4:	8	9:	4	12:	6
19 DEC	1	6.0	3:	1	4:	2	7:	8				31:	15	34:	2	54:	4
			9:	47	31:	41	43:	1	29 DEC	2	4.0	16:	3	17:	26	18:	8
			94:	27								20:	2	76:	14		
20 DEC	1	4.0	4:	11	34:	2	58:	4	30 DEC	1	6.0	4:	4	9:	5	12:	4
21 DEC	1	4.0	4:	29	34:	1	58:	4				31:	16	34:	1	54:	6
			70:	2					30 DEC	2	7.0	17:	1	18:	2	20:	1
21 DEC	2	5.0	7:	20	12:	16	17:	4				58:	8				
			18:	1	34:	12	54:	18	31 DEC	1	7.0	5:	4	31:	2	34:	16
			88:	2								54:	2				
21 DEC	1	3.0	4:	7	12:	3	54:	4									
			58:	6	92:	14											
22 DEC	1	3.0	7:	5	12:	6	17:	5									
			54:	7	76:	15											
22 DEC	1	4.0	4:	16	34:	3	58:	1									
			70:	1													
22 DEC	2	4.0	2:	2	6:	1	13:	9									
			54:	12	76:	3											
23 DEC	2	4.0	16:	12	17:	21	18:	13									
			20:	1	50:	1	54:	9									
			76:	14													
23 DEC	1	5.0	4:	1	7:	7	9:	34									
			12:	11	17:	3	31:	19									
			34:	3	70:	2	94:	15									
23 DEC	1	3.0	4:	5	9:	3	12:	4									
			58:	15													
24 DEC	1	4.0	4:	27	34:	1	58:	3									
			70:	1													
26 DEC	1	7.0	4:	9	12:	2	31:	18									
			34:	6	43:	1	54:	1									
			92:	2													
27 DEC	1	5.0	34:	72													
27 DEC	1	7.5	3:	1	4:	4	12:	1									
			34:	14													
27 DEC	1	3.0	4:	3	9:	4	12:	3									
			31:	6	34:	3	54:	1									
27 DEC	2	4.0	2:	1	16:	9	17:	22									
			18:	11	20:	4	50:	2									

APPENDIX TABLE 17. LOGGED 1983 TROLLING CATCH AND EFFORT FROM WEST FLORIDA

DATE	ZONE	HOURS FISHED	-- CATCH PER SPECIES --				DATE	ZONE	HOURS FISHED	-- CATCH PER SPECIES --			
1 APR	6	6.0	6:	3	12:	3	26 APR	2	3.0	12:	6		
2 APR	2	3.0	17:	1			26 APR	2	4.0	1:	3	3:	6
4 APR	2	4.5	6:	1	12:	2			7:	5			
4 APR	3	3.0	6:	6			27 APR	2	3.0	3:	3	7:	4
5 APR	2	2.0	3:	1			27 APR	2	2.5	1:	1	7:	1
6 APR	6	5.5	1:	1	13:	12	28 APR	2	3.0	3:	2	7:	2
6 APR	2	2.0	1:	1	6:	3	29 APR	2	3.0	3:	2	17:	2
6 APR	2	2.0					29 APR	2	4.0	1:	3	3:	3
7 APR	2	6.0	3:	9	6:	1			7:	3			
8 APR	2	6.0	3:	12	6:	1	30 APR	2	2.0	12:	6		
			11:	1	17:	9	30 APR	2	2.5	3:	2	7:	1
8 APR	2	3.0	3:	6			30 APR	2	1.0				
11 APR	2	7.0	1:	1	3:	8	1 MAY	2	3.0	1:	4	2:	1
12 APR	2	2.5	1:	2	3:	3	2 MAY	2	8.0	3:	3	6:	2
			7:	2			3 MAY	6	6.5	1:	3	2:	1
12 APR	2	2.5	1:	1	3:	1			6:	1	7:	2	
13 APR	2	6.0	3:	3	6:	7	3 MAY	2	3.0	1:	1	3:	6
13 APR	2	7.0	1:	23	3:	3	4 MAY	2	3.0	3:	2	6:	1
13 APR	2	2.0	3:	2	7:	4	4 MAY	2	2.0	1:	6	2:	1
13 APR	2	2.0	1:	3					6:	2			
14 APR	1	2.0	9:	4			5 MAY	2	3.0	3:	4	6:	1
14 APR	2	3.0	3:	4	6:	1	5 MAY	2	2.5	1:	1	3:	4
14 APR	2	7.0	1:	15	3:	6	6 MAY	6	4.5	1:	3	2:	1
			19:	1					7:	4	11:	1	
15 APR	2	1.5	3:	2			7 MAY	6	4.5	1:	2	3:	2
18 APR	2	6.0	1:	6	3:	1			7:	8			
			7:	1	12:	4	8 MAY	2	2.0	3:	2	6:	1
18 APR	6	6.0	1:	8	6:	4	8 MAY	2	2.0	1:	1	3:	2
			12:	1	13:	1	9 MAY	2	2.5	1:	1	3:	3
19 APR	2	3.0	1:	4	3:	6	11 MAY	2	3.0	3:	4	6:	1
			7:	3			11 MAY	2	3.0	1:	1	3:	4
20 APR	2	2.5	1:	2	3:	3			7:	5			
20 APR	2	6.0	1:	4	3:	1	12 MAY	2	2.5	3:	3		
			12:	10			13 MAY	2	3.0	3:	2	7:	3
20 APR	6	6.0	1:	2	3:	1	13 MAY	2	1.0	1:	2		
			11:	1	12:	4	13 MAY	6	4.5	1:	1	3:	6
21 APR	6	6.0	1:	1	2:	3			7:	8			
			12:	2			14 MAY	6	6.5	1:	3	3:	3
21 APR	2	3.0	1:	3	3:	4			7:	6	23:	1	
			7:	1			14 MAY	2	3.0	1:	1	3:	1
21 APR	2	0.5					15 MAY	2	3.0	1:	1	3:	1
22 APR	2	6.5	1:	1	6:	2	15 MAY	6	4.5	3:	1	6:	1
22 APR	2	3.0	1:	1	3:	5	15 MAY	2	2.0	7:	4		
22 APR	6	3.5	2:	3			16 MAY	2	2.0	3:	3	7:	1
22 APR	2	3.5	3:	3	7:	3	17 MAY	6	5.0	3:	2	6:	1
23 APR	2	2.0							13:	2			
25 APR	2	2.5	1:	2	3:	1	18 MAY	2	7.0	1:	2	3:	10

APPENDIX TABLE 17 (CONTINUED).

DATE	ZONE	HOURS FISHED	-- CATCH PER SPECIES --				DATE	ZONE	HOURS FISHED	-- CATCH PER SPECIES --							
18 MAY	2	7.0+	7:	15			14 JUN	2	6.0+	11:	2						
18 MAY	2	1.5	1:	1	3:	2	7:	1	15 JUN	6	6.5	1:	1	3:	4	6:	5
19 MAY	2	2.0	3:	3								7:	3	11:	2	13:	1
19 MAY	2	6.0	1:	2	3:	2	11:	1	16 JUN	2	3.0	3:	2	7:	1		
			23:	1					17 JUN	2	2.0	1:	3	3:	3	6:	1
19 MAY	2	3.0	3:	3	6:	4	7:	8				11:	1				
19 MAY	2	4.0	3:	2					17 JUN	6	6.5	1:	1	3:	15	6:	5
19 MAY	2	4.0	3:	4	7:	3	15:	1				7:	4	11:	3		
20 MAY	2	3.0	3:	5	7:	12	12:	1	18 JUN	2	2.5	3:	4	6:	7	7:	5
20 MAY	2	3.0	3:	1	11:	1						11:	3				
21 MAY	2	6.5	3:	10	6:	1	7:	12	18 JUN	2	6.0	1:	1	3:	7	6:	1
			11:	1	12:	1	68:	1				8:	4	11:	1		
22 MAY	2	4.0	3:	8	7:	6	17:	2	19 JUN	2	3.0	3:	10	6:	2	7:	3
22 MAY	2	2.0	3:	5	11:	1	12:	1				11:	2	12:	1		
22 MAY	2	3.0	1:	2	3:	8	7:	4	19 JUN	2	4.5	3:	12	6:	20	7:	5
23 MAY	2	2.0	1:	1	3:	9	6:	1				11:	1	68:	1		
24 MAY	2	3.5	3:	1	6:	2	7:	6	20 JUN	2	3.0	3:	8	6:	3	11:	3
			9:	2	17:	1			22 JUN	2	6.0	3:	6	6:	4	7:	3
25 MAY	2	3.0	3:	1	7:	14	17:	2				11:	2	17:	1		
26 MAY	2	2.5	3:	10	6:	8	7:	15	25 JUN	2	5.0	3:	12	10:	2		
27 MAY	2	4.5	3:	3	7:	6	11:	2	25 JUN	6	6.5	3:	35	6:	7	7:	3
			13:	1								11:	1				
27 MAY	2	4.0	1:	2	3:	12	6:	2	26 JUN	2	7.0	3:	31	6:	3		
			7:	6					27 JUN	2	7.0	3:	7	7:	3	11:	2
28 MAY	2	2.5	3:	1	12:	1						12:	1				
28 MAY	2	4.0	3:	3	7:	3			28 JUN	2	3.0	3:	3	7:	2	11:	1
2 JUN	2	2.0	3:	6	11:	2						12:	1				
3 JUN	1	3.5	4:	3	12:	2	58:	3	29 JUN	2	3.0	3:	3	7:	3	11:	1
3 JUN	2	2.5	3:	2	7:	4	11:	1	30 JUN	2	3.0	3:	6	6:	2	7:	3
4 JUN	6	6.5	1:	1	3:	4	7:	5	30 JUN	2	3.0	3:	3	11:	1		
			11:	4	13:	2			1 JUL	3	14.5	11:	2				
5 JUN	2	3.0	11:	2					2 JUL	3	14.5	6:	1	23:	1	24:	1
7 JUN	2	1.5	1:	1	3:	2	7:	4	3 JUL	3	4.5	6:	1				
7 JUN	2	1.5	7:	2	11:	1			3 JUL	3	24.0	22:	2	23:	2	24:	2
9 JUN	3	5.0	6:	1	11:	1	13:	12				38:	1				
			23:	1					5 JUL	2	2.5	3:	10	6:	2	7:	3
10 JUN	3	3.0										11:	2	12:	1		
11 JUN	2	4.5	1:	2	3:	11	7:	6	6 JUL	6	5.5	1:	1	3:	7	11:	1
			11:	1					8 JUL	2	6.0	3:	5	7:	5	11:	3
12 JUN	2	2.5	1:	11	3:	4	6:	1				13:	2				
			7:	4	11:	1			8 JUL	2	3.5	3:	3	7:	4	8:	2
12 JUN	2	6.0	1:	2	3:	5	6:	1				11:	3	12:	5		
			7:	3	11:	3			9 JUL	2	2.5	3:	6	6:	3	7:	2
13 JUN	6	6.5	1:	5	3:	2	6:	10				11:	1				
			7:	3	11:	4	12:	2	9 JUL	6	4.5	1:	4	3:	11	6:	4
			68:	1								11:	3				
14 JUN	2	6.0	1:	1	3:	3	6:	1	10 JUL	2	3.0	1:	2	3:	5	6:	1

APPENDIX TABLE 17 (CONTINUED).

DATE	ZONE	HOURS FISHED	--- CATCH PER SPECIES ---				DATE	ZONE	HOURS FISHED	--- CATCH PER SPECIES ---					
10 JUL	2	3.0+	13:	1			10 AUG	2	2.5	1:	4	3:	9	6:	8
11 JUL	2	2.5	3:	2	7:	3	12 AUG	3	14.0	22:	2	24:	9	36:	2
13 JUL	2	6.0	1:	1	3:	15	6:	1	13 AUG	3	12.0	6:	8	11:	1
			11:	3	54:	1	13 AUG	2	3.0	1:	1	6:	1	7:	1
13 JUL	2	6.0	1:	1	3:	28	6:	1			12:	1			
			11:	2			14 AUG	3	5.0	6:	4	13:	1		
14 JUL	6	6.5	1:	7	3:	18	6:	1	17 AUG	6	6.5	1:	1	3:	16
			11:	3							11:	5			6:
14 JUL	2	4.0	3:	15	8:	3	9:	1	17 AUG	2	6.0	1:	1	3:	6
			11:	2							7:	3	9:	2	11:
15 JUL	2	6.0	1:	10	3:	25	6:	2	20 AUG	6	7.0	3:	40	6:	4
16 JUL	6	5.0	3:	14	6:	3			25 AUG	2	3.0	3:	2	8:	10
17 JUL	6	6.5	3:	27					27 AUG	2	3.5	3:	6	6:	1
18 JUL	2	2.5	3:	16	6:	1	11:	1	28 AUG	2	3.0	3:	9	7:	1
18 JUL	2	2.5	3:	6	6:	2			31 AUG	2	3.5	3:	4	7:	2
18 JUL	2	2.5	3:	6	7:	2	8:	1			12:	1			
19 JUL	2	6.0	1:	5	3:	8	6:	6	4 SEP	2	3.0	1:	1	3:	3
			11:	1					5 SEP	2	3.0	1:	2	3:	2
20 JUL	2	2.5	3:	4	6:	2	11:	1	5 SEP	2	2.0	3:	9	6:	1
21 JUL	2	2.5	1:	2	3:	4	9:	3	6 SEP	2	6.0	1:	1	3:	5
22 JUL	6	4.5	3:	22							11:	3	12:	1	
23 JUL	2	3.0	3:	6	9:	2			8 SEP	2	6.5	3:	14	6:	14
24 JUL	6	6.5	3:	5	6:	10	11:	1			24:	2			11:
			13:	1					8 SEP	2	5.0	3:	16	6:	6
25 JUL	2	3.5	3:	21	6:	3	7:	1			11:	2	12:	2	
26 JUL	2	6.0	3:	8	6:	5	11:	1	10 SEP	2	2.5	3:	8	11:	1
27 JUL	2	3.0	11:	2					11 SEP	2	7.0	3:	12	7:	1
27 JUL	2	2.5	3:	10					13 SEP	2	3.0	3:	6	6:	3
28 JUL	6	6.5	1:	1	2:	1	3:	6			11:	1			7:
			6:	2	11:	1			13 SEP	2	5.0	3:	17	6:	7
28 JUL	2	3.0	3:	4	6:	1	11:	1			12:	4			9:
28 JUL	2	2.5	3:	3	9:	2			13 SEP	2	2.5	3:	8	6:	4
29 JUL	2	3.0	3:	8	6:	3	11:	2	15 SEP	2	7.0	3:	4	6:	13
1 AUG	2	3.0	1:	1	3:	7	6:	3			11:	2	12:	1	
			9:	3					15 SEP	2	2.5	1:	1	3:	8
2 AUG	2	2.5	3:	2	7:	1	11:	1	16 SEP	2	3.0	3:	6	6:	2
2 AUG	2	3.0	1:	2	3:	6	6:	2	17 SEP	2	5.0	1:	2	3:	7
			9:	1	11:	2					7:	3	11:	3	6:
3 AUG	2	3.0	3:	10	6:	4	11:	1	17 SEP	2	5.0	3:	4	6:	4
3 AUG	2	1.0	6:	2							11:	2			7:
4 AUG	2	6.0	3:	15	6:	5	11:	3	20 SEP	2	6.5	1:	2	3:	8
			17:	2							7:	6	11:	2	6:
5 AUG	2	2.5	1:	1	3:	7	6:	3	21 SEP	2	3.5	3:	20	6:	12
6 AUG	2	3.5	3:	6	8:	3	11:	1			9:	3	13:	1	7:
9 AUG	2	3.0	3:	1	6:	1	11:	1	22 SEP	2	2.5	3:	3	6:	4
			12:	2							12:	3			7:
10 AUG	2	3.0	6:	1	11:	2			23 SEP	2	3.0	3:	5	6:	3

APPENDIX TABLE 17 (CONTINUED).

DATE	ZONE	HOURS FISHED	--- CATCH PER SPECIES ---				DATE	ZONE	HOURS FISHED	--- CATCH PER SPECIES ---					
24 SEP	2	3.0	3:	4	6:	2	3 NOV	2	4.0	1:	6	3:	12	17:	1
24 SEP	2	3.5	3:	6	6:	2	7:	4	4 NOV	2	4.0	1:	12	3:	52
			12:	6					6 NOV	2	8.0	15:	3	17:	10
25 SEP	2	2.5	3:	4	6:	1	7:	12	7 NOV	2	4.0	1:	1	3:	27
27 SEP	2	3.0	3:	3	6:	1	11:	2	8 NOV	2	4.0	1:	1	3:	4
			12:	2					9 NOV	2	2.0	17:	1		
28 SEP	2	3.0	3:	6	6:	2	11:	2	14 NOV	2	3.0	3:	20		
			12:	1					15 NOV	6	6.5	3:	10		
29 SEP	2	4.5	3:	3	6:	4	11:	2	15 NOV	2	2.0	1:	1	3:	2
30 SEP	2	3.5	1:	2	3:	2	6:	3	17 NOV	2	2.5	3:	1		
			11:	3					19 NOV	2	2.0	1:	2	3:	1
30 SEP	2	3.0	3:	5	6:	3	11:	1	22 NOV	2	2.5	1:	2	6:	3
30 SEP	2	2.5	8:	3	11:	1			22 NOV	6	3.0	3:	2		
1 OCT	2	3.0	3:	3	6:	2	7:	16	23 NOV	6	3.5	3:	17		
1 OCT	2	6.5	1:	2	3:	9	6:	7	25 NOV	2	2.0	1:	1	3:	1
			11:	1	15:	1	17:	1	26 NOV	2	4.5	1:	5	6:	6
4 OCT	2	3.5	1:	1	3:	24	6:	18	28 NOV	2	6.0	1:	4	3:	2
			7:	4	17:	1			30 NOV	2	2.5				
6 OCT	2	4.0	1:	2	3:	9	6:	1	2 DEC	3	4.0	1:	2	6:	8
8 OCT	2	4.0	1:	2	3:	9	6:	3	4 DEC	2	2.5	1:	10	6:	4
9 OCT	2	2.5	3:	10	6:	2	12:	1	5 DEC	2	2.0	1:	14	6:	1
11 OCT	2	4.0	1:	1	3:	18	6:	8	5 DEC	3	2.5	1:	32	6:	40
12 OCT	2	4.0	3:	9	6:	13	7:	3	7 DEC	2	6.0	1:	37	6:	6
			12:	4					9 DEC	3	3.5	1:	11	6:	50
12 OCT	2	5.0	1:	1	3:	4	6:	6	11 DEC	2	3.0	1:	2	3:	1
			7:	2	11:	1			19 DEC	2	2.0	1:	3		
13 OCT	2	3.0	2:	1	3:	2	6:	3	19 DEC	2	0.5				
16 OCT	2	4.0	3:	7					23 DEC	6	2.0	1:	4	6:	1
17 OCT	2	5.5	3:	1					23 DEC	2	3.0	1:	4	6:	2
18 OCT	2	5.5	1:	1	3:	6	6:	1	26 DEC	2	1.0				
			7:	2	12:	5			28 DEC	2	6.0	6:	14		
18 OCT	2	4.0	3:	3	12:	1									
20 OCT	2	2.0	3:	12											
21 OCT	2	4.0	3:	20	12:	1									
22 OCT	2	7.0	1:	2	3:	1	19:	5							
22 OCT	2	4.0	3:	22	6:	1									
23 OCT	2	7.0	1:	2	3:	31	4:	1							
			40:	1											
24 OCT	2	5.5	3:	6	7:	2									
25 OCT	2	5.5	3:	3	7:	1	12:	4							
25 OCT	2	2.0	1:	1	3:	7									
28 OCT	3	4.0	1:	2	3:	10	6:	2							
30 OCT	2	3.0	3:	3											
31 OCT	2	4.0	1:	4	3:	19	6:	1							
1 NOV	2	7.5	1:	6	3:	22	6:	2							
2 NOV	2	1.0	3:	4											
2 NOV	2	2.5	3:	4	7:	2									

APPENDIX TABLE 18. LOGGED 1983 NON-TROLLING CATCH AND EFFORT FROM WEST FLORIDA

DATE	ZONE	HOURS FISHED	--- CATCH PER SPECIES ---			DATE	ZONE	HOURS FISHED	--- CATCH PER SPECIES ---		
29 MAR	2	4.0	15: 4	17: 6	20: 1	30 APR	3	3.0	15: 2	17: 8	
			76: 6			30 APR	2	4.0	18: 1	19: 4 76: 10	
30 MAR	2	7.0	15: 6	17: 19	76: 25	1 MAY	3	5.0	15: 1		
1 APR	3	0.5	6: 1	17: 1	77: 1	3 MAY	1	7.0	3: 1	4: 1 7: 5	
3 APR	2	5.5	36: 1						9: 3	12: 4 58: 3	
4 APR	1	3.0	4: 1	31: 2	34: 2				70: 1	84: 2	
4 APR	3	3.0	17: 3			5 MAY	1	3.5	4: 2	7: 3 9: 1	
5 APR	3	5.0	12: 1	13: 19	19: 10				34: 3		
5 APR	1	3.0	31: 9			6 MAY	2	6.0	17: 6		
6 APR	1	7.0	4: 2	5: 1	9: 5	6 MAY	1	7.0	4: 1	9: 4 12: 5	
			12: 4	31: 5	84: 1				58: 26		
6 APR	2	3.0	13: 9	19: 8		7 MAY	1	3.5	9: 3	12: 2 58: 9	
6 APR	2	4.0	15: 5	85: 6					84: 1		
6 APR	2	5.5	36: 1			8 MAY	1	3.5	3: 1	108: 8	
7 APR	3	3.0	13: 8	14: 1	16: 1	8 MAY	2	6.0	7: 3	15: 12 19: 3	
			19: 4	54: 3					20: 6	29: 2 76: 10	
7 APR	1	7.0	4: 1	34: 6		9 MAY	1	3.5	3: 18	7: 2 108: 3	
11 APR	1	3.0	9: 3	12: 2	34: 7	10 MAY	2	3.5	7: 4	15: 6 17: 7	
11 APR	2	7.0	95: 1						18: 1	20: 2 76: 14	
12 APR	1	3.5	9: 5	31: 12					77: 3		
13 APR	1	3.0	5: 1	34: 2	84: 1	11 MAY	1	7.5	3: 6	7: 5 9: 3	
14 APR	1	7.0	31: 4	34: 7	43: 6				88: 2	108: 1	
14 APR	1	2.0	15: 4	19: 6	77: 1	12 MAY	1	7.5	9: 12	12: 5 31: 7	
			78: 6			13 MAY	3	4.5	13: 10	17: 15 54: 3	
15 APR	1	3.0	4: 1			13 MAY	1	7.5	5: 1	9: 20 31: 7	
18 APR	1	7.0	5: 7	9: 15	12: 7				108: 2		
			28: 10	43: 1		14 MAY	1	3.5	31: 3	108: 6	
19 APR	1	3.5	5: 3	9: 2	12: 5	14 MAY	3	9.0	6: 2	14: 2 16: 8	
			28: 6						17: 40	18: 6 50: 10	
21 APR	1	3.5	5: 1	9: 5	12: 3	15 MAY	3	3.0	11: 1	13: 6	
			28: 1	84: 1		15 MAY	1	3.5	5: 1	58: 1 70: 1	
21 APR	3	4.0	13: 12	14: 5	16: 2				84: 2		
22 APR	1	7.0	9: 11	12: 7	28: 12	15 MAY	2	6.0	2: 1	15: 10 85: 6	
			84: 10			16 MAY	1	3.5	9: 1	12: 2 58: 10	
22 APR	3	2.0	12: 1	13: 23					84: 2		
26 APR	1	7.0	9: 17	12: 8	31: 32	17 MAY	1	4.0	92: 1		
			34: 1			18 MAY	1	3.5	84: 2		
26 APR	3	2.0	12: 5	17: 3		21 MAY	3	8.0	14: 2	16: 4 17: 19	
27 APR	1	7.0	9: 11	12: 4	31: 5				18: 4	54: 4	
			34: 2	43: 1		24 MAY	1	3.5	7: 4	9: 2 12: 1	
27 APR	2	6.0	3: 1	6: 1	7: 8				58: 6	84: 2	
			15: 15	17: 8	18: 1	25 MAY	3	6.0	11: 1	13: 6 14: 1	
			20: 1	76: 25	77: 3				18: 5		
			86: 1			25 MAY	1	3.5	7: 6	9: 4 12: 1	
28 APR	1	7.0	4: 2	7: 20	31: 3				58: 7	84: 4	
			34: 1	61: 1		25 MAY	2	3.0	36: 1		
30 APR	1	3.5	12: 4	31: 2	84: 3	26 MAY	1	3.5	7: 2	9: 6 12: 5	

APPENDIX TABLE 18 (CONTINUED).

DATE	ZONE	HOURS						DATE	ZONE	HOURS							
		FISHED	— CATCH PER SPECIES —							FISHED	— CATCH PER SPECIES —						
26 MAY	1	3.5+	58:	10	84:	3	108:	1	12 JUN	1	7.5+	43:	1	54:	4	58:	1
27 MAY	3	3.0	13:	6	14:	2						92:	1				
28 MAY	1	3.5	12:	4	58:	6	84:	2	13 JUN	1	3.5	5:	4	45:	5	58:	5
			108:	2					14 JUN	1	3.5	5:	2	9:	4	12:	2
28 MAY	3	6.0	14:	25	16:	6	17:	16				45:	40				
			18:	14	24:	10			15 JUN	1	3.5	9:	2	45:	23		
28 MAY	2	8.0	29:	1					16 JUN	1	3.5	9:	2	12:	3	45:	26
29 MAY	2	3.5	36:	1	97:	1						58:	9				
29 MAY	2	4.0	2:	1	15:	2	19:	14	16 JUN	3	6.0	2:	3	7:	1	18:	4
			20:	2	76:	10						76:	8				
29 MAY	1	3.5	3:	1	9:	5	12:	6	17 JUN	2	8.0	29:	1	35:	1		
			58:	16	84:	4	108:	1	17 JUN	1	3.5	45:	9	54:	2	58:	6
30 MAY	1	3.5	9:	2	12:	5	58:	7	17 JUN	2	4.0	13:	2	17:	6		
31 MAY	1	3.5	5:	1	9:	4	12:	3	17 JUN	3	8.0	2:	1	7:	1	17:	2
			58:	5	70:	1						20:	1	54:	21		
1 JUN	1	3.5	3:	1	9:	10	12:	6	18 JUN	3	8.0	13:	24	17:	3	20:	3
			58:	8								54:	7				
2 JUN	3	8.0	6:	1	13:	1	14:	5	19 JUN	1	3.5	45:	1	54:	5		
			16:	6	17:	10	18:	8	19 JUN	3	7.0	16:	2	17:	7	18:	4
			24:	6	54:	4						20:	6	54:	12		
2 JUN	1	3.5	9:	12	12:	4	58:	10	20 JUN	1	3.5	4:	1	12:	2	31:	2
3 JUN	3	8.0	13:	2	14:	12	16:	10				45:	2				
			17:	14	18:	13	24:	17	22 JUN	1	4.0	9:	6	12:	4	31:	12
			54:	9					23 JUN	1	4.0	31:	7				
4 JUN	3	8.0	13:	1	14:	9	16:	1	23 JUN	2	3.0	10:	5				
			17:	7	18:	11	24:	3	23 JUN	6	4.0	2:	2	19:	2	97:	1
			54:	3					24 JUN	1	3.5	31:	15	45:	1		
5 JUN	3	4.0	24:	35					25 JUN	2	1.0	17:	6				
5 JUN	2	7.5							25 JUN	2	3.0	3:	1	10:	1		
6 JUN	1	3.5	5:	1	58:	5			26 JUN	2	2.5	3:	1	10:	1	29:	1
7 JUN	1	3.5	4:	2	5:	2	43:	2	27 JUN	1	4.0						
			54:	2	70:	1			28 JUN	1	4.0	10:	1				
7 JUN	2	2.0	15:	7	17:	4	18:	3	28 JUN	3	6.0	2:	1	6:	1	11:	8
			20:	1	29:	1	76:	22				13:	10				
9 JUN	3	2.0	13:	28					29 JUN	1	7.5	5:	9	9:	7	12:	5
9 JUN	3	2.0	17:	2	18:	3						31:	15				
10 JUN	1	3.5	4:	3	12:	6	34:	2	30 JUN	1	8.0	9:	10	12:	6	31:	9
			43:	5	54:	2			1 JUL	1	3.5	10:	1	31:	6		
10 JUN	3	8.0	16:	3	17:	10	18:	5	2 JUL	2	2.0	3:	3	10:	1		
10 JUN	2	4.0							3 JUL	2	3.0	10:	2	29:	1		
11 JUN	3	4.0	16:	1	17:	2	18:	2	4 JUL	3	7.0	14:	3	17:	2	18:	6
			54:	7					4 JUL	1	3.5	5:	1	31:	6		
11 JUN	1	6.0	4:	2	12:	2	43:	1	5 JUL	2	3.0	10:	1				
			45:	1	54:	1			7 JUL	2	7.5	36:	2	97:	1		
12 JUN	3	8.0	13:	4	15:	3	17:	8	8 JUL	2	1.5	17:	1	18:	1	76:	22
			18:	6	20:	2			8 JUL	2	8.0	2:	6	19:	10	20:	3
12 JUN	1	7.5	4:	2	5:	4	12:	6				76:	12				

APPENDIX TABLE 18 (CONTINUED).

DATE	ZONE	HOURS FISHED	-- CATCH PER SPECIES --				DATE	ZONE	HOURS FISHED	-- CATCH PER SPECIES --			
9 JUL	1	3.5	4:	1			4 AUG	1	4.0	2:	1	31:	7
9 JUL	2	3.0	10:	1			4 AUG	2	3.0				
10 JUL	2	3.0	10:	1			4 AUG	2	4.0	17:	7	18:	1 20:
11 JUL	1	3.5	5:	10	7:	6	9:	15	5 AUG	2	2.5	10:	1 29:
12 JUL	1	3.5	3:	1	5:	13	7:	10	5 AUG	1	4.0	5:	2 31:
			9:	6	12:	1			6 AUG	1	3.5	4:	1 5:
12 JUL	3	8.0	2:	1	14:	14	16:	3	6 AUG	2	6.0	7:	3 8:
			17:	12	18:	4						19:	1 20:
13 JUL	1	3.5	3:	1	5:	2	9:	10				76:	5 95:
			12:	3					7 AUG	2	6.0	1:	1 2:
14 JUL	1	4.0	12:	5	31:	14						20:	1 29:
14 JUL	2	1.0	15:	1	18:	4	76:	12				95:	4
15 JUL	1	4.0	12:	4	31:	14			7 AUG	1	4.0	9:	2 12:
15 JUL	2	3.0	10:	2	29:	1			7 AUG	1	2.5	4:	3 7:
16 JUL	2	3.0	10:	1								12:	2 31:
16 JUL	2	7.0	2:	2	9:	1	19:	3	8 AUG	1	4.0	12:	3 31:
			76:	8	77:	2			9 AUG	1	4.0	5:	6 9:
18 JUL	1	3.5	28:	25								31:	12 92:
20 JUL	2	3.0	10:	3					10 AUG	1	4.0	4:	2 5:
21 JUL	1	4.0	28:	27								92:	1
21 JUL	2	3.0	10:	1					10 AUG	1	2.0	9:	10 12:
22 JUL	2	3.0	10:	1					11 AUG	1	3.0	9:	5 12:
23 JUL	1	4.0	28:	12					12 AUG	1	3.0	12:	4 31:
24 JUL	1	3.5	58:	16					12 AUG	2	3.0	10:	1
25 JUL	2	3.0	10:	1					13 AUG	1	4.0	31:	3
25 JUL	2	1.5	15:	2	18:	1	20:	1	13 AUG	2	3.0	10:	4
			76:	11					13 AUG	2	2.0	17:	9 18:
25 JUL	6	3.0	76:	8					14 AUG	1	4.0	4:	1
26 JUL	1	3.5	58:	12					15 AUG	1	8.0	12:	4 31:
26 JUL	2	3.0	7:	1					16 AUG	2	3.0	10:	3 29:
27 JUL	1	4.0	58:	17					16 AUG	1	3.0	31:	8
28 JUL	1	3.5	58:	12					16 AUG	1	3.0	4:	5 12:
29 JUL	1	4.0	5:	8								54:	2 92:
29 JUL	3	5.0	3:	1	17:	6	18:	8	17 AUG	2	5.0	3:	1 17:
30 JUL	1	3.5	4:	1					17 AUG	1	3.5	31:	28
30 JUL	2	2.5	10:	1					17 AUG	2	3.0	10:	1 29:
31 JUL	1	3.0	4:	2	9:	2	12:	6	18 AUG	3	8.0	11:	1 14:
			15:	1	31:	8	70:	2				17:	40 18:
1 AUG	1	3.0	4:	1	9:	1	12:	5	18 AUG	1	4.0	12:	2 31:
			31:	10	70:	1			18 AUG	1	3.0	2:	1 4:
1 AUG	1	4.0	31:	8								15:	1 31:
2 AUG	1	3.5	4:	2								70:	9
2 AUG	1	2.0	9:	1	12:	4	31:	5	19 AUG	3	3.0	13:	15 14:
			70:	1								17:	20 18:
3 AUG	2	3.0	10:	1	36:	1						54:	1
3 AUG	1	3.5	4:	3					19 AUG	1	4.0	12:	2 31:
3 AUG	2	3.5							20 AUG	2	6.0	2:	2 7:

APPENDIX TABLE 18 (CONTINUED).

DATE	ZONE	HOURS FISHED	--- CATCH PER SPECIES ---			DATE	ZONE	HOURS FISHED	--- CATCH PER SPECIES ---				
20 AUG	2	6.0+	14:	1	17:	4	18:	1	17 SEP	1	4.0	31:	5
20 AUG	1	4.0	31:	16					17 SEP	2	2.0	17:	18
20 AUG	1	6.0	3:	1	4:	3	9:	1	18 SEP	1	5.0	3:	1
			12:	1	17:	1	31:	4				4:	1
			54:	3	70:	8						5:	4
21 AUG	3	5.0	14:	3	16:	2	17:	6	18 SEP	1	4.0	31:	10
			18:	9	24:	4			19 SEP	1	5.0	3:	3
21 AUG	1	4.0	12:	3	31:	18						4:	4
21 AUG	2	4.5										9:	6
22 AUG	2	4.5										12:	4
22 AUG	1	5.0	31:	16					20 SEP	2	3.0	31:	9
22 AUG	2	2.0	15:	2	17:	2	20:	6	20 SEP	1	6.0	70:	3
			76:	12					22 SEP	1	4.0	92:	1
23 AUG	1	5.0	4:	4	7:	1	9:	5	23 SEP	3	2.0	2:	1
			12:	1	31:	6	70:	2	23 SEP	1	3.0	3:	1
23 AUG	1	3.5	31:	18					24 SEP	1	3.0	17:	6
26 AUG	1	4.0	2:	1	4:	2	31:	6	24 SEP	3	6.0	133:	20
27 AUG	2	2.5	29:	1					28 SEP	1	4.0	18:	10
27 AUG	2	4.0	3:	1	9:	2	13:	2	29 SEP	1	4.0	9:	4
			54:	1					29 SEP	1	3.0	12:	4
29 AUG	1	5.0	4:	10	9:	4	12:	3				70:	2
			31:	3	54:	4	70:	3				4:	1
31 AUG	1	6.0	4:	13	9:	5	12:	3	30 SEP	2	5.0	9:	3
			31:	4	70:	6						12:	3
2 SEP	3	6.0	14:	21	16:	1	17:	4	1 OCT	1	3.0	17:	1
			18:	6								31:	3
4 SEP	2	3.0	29:	1	36:	1						54:	1
4 SEP	2	7.0	15:	4	19:	1	76:	15	1 OCT	1	4.0	70:	2
5 SEP	3	4.0	15:	3	18:	1	19:	3	3 OCT	1	4.0	4:	1
			29:	12	76:	5						12:	3
7 SEP	1	4.0	5:	3	12:	6	31:	7	4 OCT	1	4.0	5:	2
8 SEP	1	6.0	2:	1	4:	6	9:	4	5 OCT	1	4.0	31:	5
			12:	4	17:	2	31:	6	6 OCT	2	6.0	43:	1
			70:	6								4:	1
9 SEP	1	3.5	12:	3	31:	6			6 OCT	1	5.0	54:	6
10 SEP	1	4.0	12:	6	31:	3	34:	1				6:	1
			54:	6	92:	2						15:	2
10 SEP	1	3.0	4:	1					7 OCT	1	5.0	17:	3
11 SEP	1	3.5	12:	2	31:	15						54:	1
12 SEP	1	4.0	4:	1	12:	4						70:	6
13 SEP	1	2.5	3:	4	4:	6	9:	6	7 OCT	1	4.0	3:	4
			12:	5	17:	1	31:	1	8 OCT	1	3.0	4:	3
			54:	3	70:	2			9 OCT	1	5.0	9:	11
14 SEP	1	6.0	92:	1								12:	6
15 SEP	1	5.0	4:	3	9:	4	17:	2				15:	1
			18:	1	31:	18	70:	1	11 OCT	2	3.0	17:	3
16 SEP	1	4.0	31:	5	70:	2						31:	12
												54:	2
												70:	3
												7:	1
												9:	3
												12:	1
												15:	2
												18:	2
												20:	1

APPENDIX TABLE 18 (CONTINUED).

DATE	ZONE	HOURS FISHED	-- CATCH PER SPECIES --			DATE	ZONE	HOURS FISHED	-- CATCH PER SPECIES --						
12 OCT	1	1.0	9:	3	31:	18	10 NOV	2	4.0	15:	6	17:	7	20:	12
15 OCT	1	3.0	4:	5	9:	2	12:	3	11 NOV	1	3.0	4:	1	92:	1
			31:	8	70:	2	11 NOV	1	4.0	9:	3	58:	11	81:	2
17 OCT	2	5.5	17:	1	18:	1	20:	4	12 NOV	1	4.0	4:	4	9:	1
			54:	42							70:	1			
18 OCT	1	5.0	3:	3	9:	6	12:	4	12 NOV	1	6.0	4:	6	9:	5
			31:	9	70:	2					19:	6	31:	15	
19 OCT	1	4.0	3:	1	9:	3	12:	2	13 NOV	2	5.0	3:	32		
			17:	1	31:	6	70:	1	14 NOV	2	6.0	2:	1	3:	31
21 OCT	1	4.0	19:	3	58:	5			15 NOV	2	5.0	1:	1	2:	1
22 OCT	1	4.5	4:	1	12:	5	19:	5				9:	3	12:	3
			54:	20	58:	10						29:	2		
23 OCT	1	4.0	3:	3	4:	1	9:	3	16 NOV	3	5.0	14:	16	17:	8
			12:	9	15:	2	17:	2	19 NOV	2	4.0				
			31:	19					20 NOV	1	2.0	9:	3	12:	2
24 OCT	2	5.5	15:	2	20:	3	36:	2	22 NOV	2	6.0	4:	2	15:	30
			54:	21							18:	3			
25 OCT	1	3.0	3:	2	9:	2	12:	9	22 NOV	2	3.0	15:	12	17:	2
			15:	1	31:	7					20:	4	76:	32	
28 OCT	1	5.5	3:	1	4:	9	9:	6	22 NOV	2	2.5	15:	20	17:	6
			12:	18	15:	1	17:	3			20:	1	76:	6	
			31:	3	70:	2			23 NOV	2	2.5	6:	1	15:	9
29 OCT	2	6.0	1:	2	3:	33	29:	1			20:	3	76:	5	
			36:	1					23 NOV	2	3.0	15:	60	17:	5
30 OCT	2	4.0	1:	1	3:	12	7:	2			20:	2			
			12:	1					26 NOV	2	8.0	1:	1	15:	10
1 NOV	2	5.0	1:	1	3:	36	12:	3			76:	22			
			36:	3					27 NOV	1	4.0	4:	11	9:	2
2 NOV	2	6.0	1:	3	2:	3	3:	75			58:	8			
			12:	6	17:	1	36:	5	27 NOV	2	5.0	3:	1	9:	2
2 NOV	2	6.5	29:	3							17:	8	18:	10	
3 NOV	2	6.0	3:	67	12:	3	36:	4			54:	21			
5 NOV	2	5.0	1:	1	3:	5	6:	1	29 NOV	1	4.0	4:	9	9:	1
			15:	12	17:	2	18:	4			92:	3			
6 NOV	2	4.0	3:	3	4:	1	9:	2	30 NOV	1	4.0	4:	18	9:	4
			12:	2	18:	3	20:	2	1 DEC	1	4.0	4:	4	9:	7
6 NOV	2	1.0									58:	6	92:	1	
6 NOV	2	4.0							1 DEC	1	5.0	4:	4	9:	2
6 NOV	3	5.0	14:	45	17:	7	18:	4			15:	2	31:	13	
			20:	2					2 DEC	2	3.0	15:	16	17:	14
8 NOV	1	4.0	4:	5	9:	3	12:	6			20:	1	54:	5	
			58:	19					2 DEC	1	4.0	4:	6	9:	2
9 NOV	1	4.0	4:	2	9:	6	58:	14			58:	9			
9 NOV	1	4.0	9:	1	12:	3	19:	10	4 DEC	1	4.0	4:	1	12:	2
			31:	25							70:	2			
10 NOV	1	4.0	9:	4	12:	2	19:	6	5 DEC	1	4.0	4:	3	12:	1
			31:	22							70:	3			

APPENDIX TABLE 18 (CONTINUED).

DATE	ZONE	HOURS FISHED	--- CATCH PER SPECIES ---				DATE	ZONE	HOURS FISHED	--- CATCH PER SPECIES ---			
5 DEC	1	4.0	4:	6	12:	2	54:	2					
			58:	8									
6 DEC	1	4.0	4:	11	58:	6							
7 DEC	1	4.0	4:	4	12:	1	54:	1					
			58:	11									
9 DEC	1	4.0	4:	7	9:	2	58:	21					
9 DEC	1	4.0	4:	10									
9 DEC	2	4.0	15:	38	17:	6	18:	3					
			20:	2	76:	12							
10 DEC	1	4.0	4:	1	9:	3	12:	1					
			58:	16									
13 DEC	1	6.0	92:	15									
13 DEC	1	3.0	4:	2	9:	4	12:	1					
			31:	8									
15 DEC	3	5.0	14:	21	16:	2	17:	10					
			18:	4									
16 DEC	1	6.0	15:	2	92:	2							
17 DEC	1	6.0	5:	6	9:	5	19:	1					
			58:	12									
18 DEC	1	4.0	4:	2	9:	6	31:	6					
18 DEC	2	3.0	15:	43	18:	7							
21 DEC	1	4.0	4:	10	31:	12							
22 DEC	1	4.0	31:	10									
23 DEC	2	3.0	15:	20	17:	5	18:	1					
27 DEC	1	4.0	34:	6									
28 DEC	1	7.0	4:	6	31:	1	34:	3					
			43:	2									
31 DEC	1	3.0	4:	3	34:	6							
31 DEC	1	3.0	15:	2	34:	1							

APPENDIX TABLE 19. LOGGED 1983 TROLLING CATCH AND EFFORT FROM NORTHWEST FLORIDA

DATE	ZONE	HOURS FISHED	-- CATCH PER SPECIES --			DATE	ZONE	HOURS FISHED	-- CATCH PER SPECIES --		
31 MAR	2	2.5				23 APR	1	3.0	4: 5		
1 APR	2	2.0				23 APR	1	4.0	3: 6		
3 APR	2	2.0				23 APR	1	7.5	3: 19	5: 5	
3 APR	1	4.0	3: 4	4: 1		24 APR	1	6.0	3: 2		
3 APR	1	3.0				24 APR	1	2.0			
4 APR	2	2.0				25 APR	1	2.0			
4 APR	2	1.0				25 APR	1	4.5			
6 APR	1	3.5	3: 2			26 APR	1	4.0	2: 1		
7 APR	1	3.5	3: 9			26 APR	2	2.0			
7 APR	1	3.0	3: 1			26 APR	1	8.0	2: 2	3: 27	5: 6
8 APR	1	4.0	3: 11			26 APR	3	1.0			
8 APR	1	2.0	3: 2			27 APR	2	6.0	2: 10		
9 APR	1	3.5	3: 1			27 APR	2	3.0	2: 3		
9 APR	1	6.0	3: 2			27 APR	4	4.0	3: 33		
9 APR	1	1.0	3: 12			27 APR	1	4.0	12: 3		
9 APR	3	2.0	2: 1			28 APR	1	4.5	2: 6		
10 APR	3	5.0	13: 11	17: 1	20: 4	28 APR	1	4.0	2: 1	3: 9	
			50: 16	85: 22		28 APR	2	3.5	2: 5		
11 APR	2	4.0				29 APR	2	3.5	2: 3		
11 APR	2	4.0	2: 1			29 APR	1	4.0			
11 APR	1	3.0	3: 2			29 APR	1	4.0	2: 1		
11 APR	1	3.5	3: 2			30 APR	1	2.5	2: 1		
12 APR	1	3.0	3: 1			30 APR	1	6.0	3: 34	5: 3	
12 APR	2	4.0				30 APR	1	2.0	2: 6		
12 APR	2	4.0				30 APR	4	6.0	3: 7		
13 APR	2	6.0	2: 7			30 APR	4	3.5	3: 19	5: 6	
13 APR	1	3.0	3: 2			1 MAY	1	2.0	3: 4		
15 APR	1	6.0	3: 3			1 MAY	1	2.0	3: 4		
15 APR	2	4.0	3: 22			1 MAY	2	1.0			
15 APR	1	2.0	3: 4			2 MAY	1	1.5	3: 7		
15 APR	2	4.0	2: 1			3 MAY	1	2.0	3: 2		
16 APR	2	3.0	3: 1			4 MAY	1	3.0	3: 50	5: 2	7: 25
16 APR	2	4.0						8: 3			
16 APR	2	3.5	3: 11			5 MAY	1	3.0	2: 1		
17 APR	4	8.0	3: 8			5 MAY	2	1.0			
17 APR	1	3.5				6 MAY	2	6.0	3: 29	7: 56	123: 7
19 APR	1	3.5				6 MAY	1	3.5	3: 6	5: 1	7: 5
19 APR	2	3.0	2: 1			6 MAY	1	3.5	1: 1	5: 15	7: 8
20 APR	4	4.0				7 MAY	4	7.5	2: 2	3: 8	4: 1
21 APR	1	3.5						5: 1	7: 79		
21 APR	2	4.0	2: 1			7 MAY	1	4.0			
21 APR	2	4.0	2: 2			7 MAY	2	6.0	3: 17	5: 4	7: 62
21 APR	1	3.5	3: 28					14: 1	20: 4	123: 7	
22 APR	2	7.5	2: 1	3: 1		7 MAY	4	4.0	3: 14	5: 11	7: 40
22 APR	2	4.0				7 MAY	1	3.0			
23 APR	1	2.0	3: 2			7 MAY	2	7.0	2: 5		
23 APR	1	6.0	3: 2			7 MAY	3	1.0			

APPENDIX TABLE 19 (CONTINUED).

DATE	ZONE	HOURS FISHED	--- CATCH PER SPECIES ---			DATE	ZONE	HOURS FISHED	--- CATCH PER SPECIES ---		
8 MAY	1	1.5	8:	12		22 MAY	2	3.0	6:	1	
8 MAY	1	3.5	3:	12		22 MAY	2	6.0	2:	1	3: 29 5: 4
9 MAY	2	3.0							8:	21	9: 11
9 MAY	1	2.0	3:	8	7: 24 9: 2	22 MAY	2	4.0	3:	1	7: 97 9: 8
10 MAY	1	1.5	7:	1	8: 1	22 MAY	1	5.0	3:	2	7: 60 8: 3
11 MAY	1	3.0	3:	20	5: 12 7: 50				9:	40	
			9:	25		22 MAY	1	3.5	3:	4	7: 63 9: 2
11 MAY	2	2.0	3:	2	7: 15	22 MAY	1	3.5	7:	6	
12 MAY	2	4.0	3:	1	5: 1 6: 4	23 MAY	2	3.5	7:	52	9: 3
			7:	4		23 MAY	2	3.5	7:	23	9: 2
12 MAY	2	1.0	3:	1		24 MAY	2	1.0	6:	4	
13 MAY	6	4.0				24 MAY	1	1.0	1:	1	3: 3 6: 2
13 MAY	4	2.0	3:	1	7: 17				7:	20	
13 MAY	1	3.5	3:	18	7: 32	24 MAY	2	3.0	3:	1	5: 2 7: 14
13 MAY	4	3.5	3:	12	7: 68 8: 2				8:	37	
14 MAY	4	8.0	3:	28	7: 47 9: 3	25 MAY	3	2.0	3:	4	7: 20
14 MAY	1	3.5	3:	3	5: 49 7: 3	25 MAY	2	3.0	1:	1	5: 6 6: 8
14 MAY	1	10.0	2:	21	7: 54 9: 10				7:	35	
14 MAY	4	2.0	3:	3	7: 15	26 MAY	3	8.0	22:	1	
14 MAY	1	4.0	3:	25	7: 12	26 MAY	2	6.0	2:	2	3: 12 5: 4
14 MAY	2	2.0	16:	1					7:	66	8: 92 9: 2
15 MAY	2	3.5	3:	11	6: 1 7: 20	26 MAY	1	3.0	1:	1	3: 4 6: 3
15 MAY	2	8.0	2:	2	3: 32 5: 13				7:	50	
			6:	4	7:134 9: 19	27 MAY	2	3.0	3:	7	7: 18
15 MAY	2	3.0	3:	25	5: 3 7: 35	27 MAY	2	4.0	6:	14	13: 1 24: 1
16 MAY	1	3.0	3:	15	5: 5 9: 23	27 MAY	2	3.5	3:	19	7: 98 8: 18
18 MAY	1	3.0	3:	23	5: 8 7: 40				9:	2	
			9:	35		28 MAY	2	3.5	3:	12	6: 3 7:117
18 MAY	2	2.0	3:	12	7: 20 8: 16				8:	49	9: 1
19 MAY	1	4.0	5:	10	7: 15	28 MAY	1	7.5	3:	1	5: 2 7: 23
20 MAY	4	4.0	3:	1	5: 1 7: 75				9:	18	
			9:	6		28 MAY	2	5.0	1:	1	3: 4 6: 6
20 MAY	2	6.0	2:	1	3: 17 5: 9	28 MAY	3	9.0	22:	1	
			7:	76	9: 35	28 MAY	2	3.0	3:	4	7: 15 8: 23
20 MAY	4	7.0	3:	4	5: 33 7:124	28 MAY	2	8.0	2:	2	3: 7 5: 2
			9:	1					7:	42	9:110
21 MAY	4	7.0	3:	6	5: 20 6: 5	28 MAY	1	1.0	6:	25	
			7:	40		28 MAY	2	3.5	3:	1	6: 1 8: 28
21 MAY	1	7.5	3:	4	5: 7 7: 63				9:	34	
			9:	21		29 MAY	6	1.5			
21 MAY	2	4.0	3:	27	5: 7 7: 29	29 MAY	2	3.0	3:	2	6: 1 7: 16
			9:	10		29 MAY	4	8.0	3:	15	5: 4 7: 75
21 MAY	4	2.0	3:	3	7: 13 9: 10				8:	40	9: 6
21 MAY	2	2.0	6:	10	7: 25	29 MAY	1	1.0	7:	25	9: 5
21 MAY	4	6.0	3:	11	5: 9 7: 48	29 MAY	4	4.0	3:	1	7: 22 8: 15
21 MAY	2	1.0	3:	1					24:	1	
21 MAY	3	1.0				29 MAY	2	2.0	7:	15	8: 8 24: 1

APPENDIX TABLE 19 (CONTINUED).

DATE	ZONE	HOURS FISHED	-- CATCH PER SPECIES --			DATE	ZONE	HOURS FISHED	-- CATCH PER SPECIES --		
29 MAY	2	9.0	3: 6	7:188	8:104	5 JUN	2	3.0+	8: 33		
			9: 1			5 JUN	4	4.0	3: 2	6: 12	7: 58
30 MAY	4	4.0	3: 10	7: 60	8: 60				8: 43		
30 MAY	2	3.0	3: 2	8: 99		5 JUN	1	6.0	2: 1	3: 12	5: 2
30 MAY	4	4.0	3: 6	5: 1	6: 3				8:166		
			7: 15	8: 25	9: 3	6 JUN	2	2.0	6: 7	7: 10	8: 4
30 MAY	4	8.0	3: 4	5: 1	7: 97	6 JUN	2	1.0	7: 3		
			8: 66	9: 12		6 JUN	1	3.5	3: 3	6: 4	7:115
30 MAY	1	4.0	3: 14	6: 2	7: 25				8: 27		
			8: 53	9: 6		6 JUN	1	4.0	3: 6	7: 18	8: 8
30 MAY	2	4.0	7: 15	8: 5	24: 1				9: 3		
30 MAY	2	3.0	6: 1	7: 7		7 JUN	1	3.5	3: 10	5: 3	6: 4
30 MAY	6	4.0	6: 2	7: 8	8: 21				7: 65	8: 10	
			13: 1			7 JUN	2	1.0	7: 19	8: 4	
31 MAY	1	1.0	3: 6	7: 12	8: 35	7 JUN	4	3.0	3: 8	5: 10	8: 3
31 MAY	2	4.0	3: 7	7: 20	8:124	7 JUN	4	4.0	3: 40	5: 3	6: 2
			24: 1						7: 12	8: 25	
31 MAY	4	8.0	6: 35	7:105	8:117	8 JUN	4	7.0	3: 43	6: 14	7: 32
			24: 5						8: 62		
31 MAY	1	3.5	3: 6	7: 83	8: 23	8 JUN	2	3.0	13: 9		
1 JUN	2	3.0	6: 7	8: 30	13: 15	8 JUN	2	1.0	7: 23	8: 2	
1 JUN	2	4.0	1: 1	6: 6	7: 20	8 JUN	2	3.0	7: 23	8: 3	13: 12
			24: 4			8 JUN	2	2.0	6: 18	7: 15	
2 JUN	4	10.0	3: 1	6: 20	7:140	8 JUN	1	4.5	3: 26	5: 12	7:102
			8: 64	13: 9					8: 7	9: 1	
2 JUN	2	3.0	7: 52	8: 7	9: 5	9 JUN	1	4.0	7: 33		
2 JUN	2	3.0	6: 23	7: 2		9 JUN	2	7.5	3: 7	5: 1	6: 4
2 JUN	2	3.5	3: 5	5: 1	6: 10				7:193	8: 24	9: 2
			7: 21	8: 27					13: 9	17: 1	
3 JUN	3	4.0	13: 6			9 JUN	6	2.0	6: 2		
3 JUN	2	3.0	7: 31	8: 9		9 JUN	2	0.5	7: 23		
3 JUN	4	4.0	6: 2	8: 53	24: 6	9 JUN	2	1.0	7: 14	8: 1	
3 JUN	2	3.0	6: 2	7: 45	8: 18	9 JUN	3	8.0	24: 1		
3 JUN	3	3.0	24: 3			9 JUN	4	10.0	3: 5	6: 15	7: 58
3 JUN	1	2.0	6: 6	7: 30					8: 11	12: 1	
4 JUN	1	2.0	3: 3	6: 4	7: 40	10 JUN	4	7.0	2: 1	6: 5	7:108
4 JUN	4	4.0	3: 7	5: 10	7: 35				8: 1		
			8: 7	9: 1		10 JUN	2	3.0	6: 4	7: 60	8: 14
4 JUN	2	1.0	7: 12	8: 15		10 JUN	1	6.0	3: 4	5: 7	8:246
4 JUN	4	10.0	6: 14	8:162	24: 37	10 JUN	4	4.0	3: 1	4: 3	7: 25
4 JUN	2	3.0	3: 1	7: 36	8: 12				8: 1		
4 JUN	2	2.0	7: 22			10 JUN	2	3.5	13: 5	50: 5	
4 JUN	2	2.0	6: 3	7: 1		10 JUN	2	1.0	7: 16	8: 1	
4 JUN	2	7.0	3: 1	6: 8	7: 51	10 JUN	2	0.5	7: 18		
			8: 5	24: 82		10 JUN	1	1.5	7: 26		
5 JUN	6	3.0	6: 17			10 JUN	2	3.0	3: 2	7: 27	8: 1
5 JUN	2	3.0	3: 1	6: 3	7: 28				13: 3	17: 1	

APPENDIX TABLE 19 (CONTINUED).

DATE	ZONE	HOURS FISHED	--- CATCH PER SPECIES ---			DATE	ZONE	HOURS FISHED	--- CATCH PER SPECIES ---		
11 JUN	1	3.5	7: 93	12: 1		17 JUN	3	12.0	24: 4		
11 JUN	6	6.0	5: 1	6: 16	8: 4	18 JUN	3	9.0	21: 2		
			13: 19			18 JUN	2	3.0	6: 5	7: 48	8: 13
11 JUN	2	3.0	6: 18	7: 13		18 JUN	3	12.0	7: 1		
11 JUN	2	1.0	6: 8	7: 10	8: 5	18 JUN	3	2.0	7: 3	13: 1	
11 JUN	1	2.5	6: 2	7: 9	8: 16	18 JUN	6	2.0	3: 1	6: 2	
11 JUN	2	3.0	6: 5	13: 4	24: 1	18 JUN	2	6.5	6: 42	7: 35	8: 8
11 JUN	4	3.0	7: 55						24: 1		
11 JUN	4	10.0	6: 18	7: 171	8: 9	19 JUN	2	3.5	6: 10	8: 1	
11 JUN	2	6.0	6: 9	7: 140	8: 45	19 JUN	2	1.0	6: 1	7: 12	
12 JUN	2	3.0	6: 4	7: 75	8: 18	19 JUN	2	2.5	1: 2		
12 JUN	4	3.0	1: 1	6: 7	7: 50	19 JUN	2	2.0	6: 7	7: 40	
			8: 6			19 JUN	1	2.0	3: 3	6: 6	7: 12
12 JUN	2	2.0	7: 14	8: 9	24: 1	20 JUN	2	2.0	7: 18	8: 33	
12 JUN	2	2.5	6: 6	7: 4	8: 21	20 JUN	3	3.0	6: 1	8: 2	
12 JUN	2	1.0	6: 12	7: 10	8: 6	21 JUN	3	4.0	1: 22	6: 3	
12 JUN	2	1.0	1: 1	6: 23	7: 6	21 JUN	4	3.0	5: 9	7: 28	8: 1
12 JUN	1	1.0	7: 37			22 JUN	4	3.0	5: 1	6: 5	7: 48
13 JUN	1	3.0	11: 3	13: 24		22 JUN	3	4.0	1: 8	6: 4	
13 JUN	2	3.0	3: 1	5: 19	6: 4	22 JUN	2	2.0	7: 22		
			7: 56	9: 5		22 JUN	1	0.5	9: 2		
13 JUN	2	7.0	6: 1	7: 51	13: 3	22 JUN	6	3.5	6: 1	24: 2	
13 JUN	2	1.0	7: 21	8: 3		23 JUN	6	3.0	5: 1		
13 JUN	2	4.0	7: 16	8: 10	24: 1	23 JUN	2	3.0	1: 15		
14 JUN	2	4.0	1: 2	7: 10	8: 16	23 JUN	4	6.0	5: 10	7: 26	8: 5
14 JUN	2	2.5	7: 18	8: 4					9: 18		
14 JUN	4	3.0	6: 9	7: 58	8: 11	23 JUN	2	3.0	7: 37	8: 8	
14 JUN	6	3.0	7: 1	8: 1	13: 7	24 JUN	2	6.0	1: 8	6: 2	
			17: 1			24 JUN	4	6.0	1: 5	3: 1	5: 2
15 JUN	4	6.5	3: 2	6: 14	7: 73				7: 15	8: 1	
			8: 3	9: 4		24 JUN	2	8.0	1: 9	6: 14	11: 1
15 JUN	2	3.0	3: 1	6: 4	7: 15				12: 1	24: 8	
			8: 15			24 JUN	2	2.0	1: 3	6: 1	
15 JUN	4	3.0	6: 68	7: 28	8: 18	24 JUN	2	7.0	1: 2	3: 1	6: 8
16 JUN	4	3.0	5: 1	7: 25	8: 26				7: 21	24: 2	
16 JUN	2	4.0	6: 3	7: 12	8: 12	24 JUN	6	4.0	1: 4	6: 1	8: 1
16 JUN	2	1.5	6: 13	7: 23	8: 1	25 JUN	2	4.5	1: 12	6: 1	
			13: 15			25 JUN	2	7.0	1: 39	6: 1	
16 JUN	6	2.0	22: 1	23: 1		25 JUN	2	6.0	1: 3	6: 9	7: 16
16 JUN	4	4.5	3: 1	5: 1	6: 8	25 JUN	1	1.0	7: 20		
			7: 126	8: 40	9: 2	25 JUN	6	2.0	5: 2		
			24: 1			26 JUN	2	3.0	1: 2	20: 1	
17 JUN	2	6.0	6: 58	7: 26	8: 18	26 JUN	2	1.0	6: 1	7: 22	
			13: 21	24: 7		26 JUN	3	3.5	1: 1	6: 1	
17 JUN	1	3.5	7: 34	13: 11		27 JUN	2	1.5			
17 JUN	1	2.0	7: 12	9: 41		27 JUN	2	3.0	2: 1	6: 7	
17 JUN	3	12.0	21: 1	22: 3	24: 12	27 JUN	6	2.0	6: 6	7: 1	13: 4

APPENDIX TABLE 19 (CONTINUED).

DATE	ZONE	HOURS				DATE	ZONE	HOURS				
		FISHED	--- CATCH PER SPECIES ---					FISHED	--- CATCH PER SPECIES ---			
27 JUN	6	2.0+	14: 1	20: 7	50: 5	2 JUL	3	2.0	1: 7			
			62: 10			3 JUL	2	2.0	1: 3	7: 10	13: 1	
28 JUN	2	3.0	6: 8	8: 3	24: 3	3 JUL	7	6.0	1: 14	6: 8	7: 3	
28 JUN	2	4.0	1: 5						8: 5	24: 2		
28 JUN	2	3.0	1: 6	6: 1		3 JUL	2	6.0	1: 1	6: 3	8: 1	
28 JUN	3	6.0	1: 4	6: 2	8: 10				24: 1			
			22: 1			3 JUL	2	0.5	7: 23			
29 JUN	2	6.0	1: 17	6: 1	7: 46	3 JUL	3	6.5	1: 21	3: 1	6: 3	
			24: 1						24: 2			
29 JUN	2	3.0	3: 4	6: 16		4 JUL	3	2.5	1: 8	6: 1	8: 2	
29 JUN	2	2.0	6: 3	7: 40	8: 3	4 JUL	3	5.0	1: 81			
29 JUN	2	2.0	1: 1	3: 1	6: 2	4 JUL	6	2.0				
30 JUN	6	3.0				4 JUL	2	1.0	6: 1	7: 28		
30 JUN	2	2.0	1: 2	3: 1		4 JUL	2	4.0	1: 12	6: 1		
30 JUN	2	3.5	1: 1			4 JUL	2	6.0	1: 36	13: 1	20: 1	
30 JUN	2	5.0	6: 20	7: 8					24: 2	78: 1		
30 JUN	2	2.5	6: 2	7: 25	8: 5	4 JUL	3	6.0	1: 14	6: 6	7: 1	
			11: 1	12: 2					8: 3	24: 2		
30 JUN	7	4.0	1: 3	3: 4	5: 1	5 JUL	2	2.5	1: 10	8: 2	24: 1	
			7: 25	8: 12		5 JUL	2	4.0	1: 1	5: 1		
30 JUN	2	8.0	1: 9	2: 2	3: 4	5 JUL	2	6.0	1: 7	2: 1	6: 5	
			7: 41	11: 2					12: 1	24: 3		
30 JUN	2	4.0	1: 3	6: 1	7: 6	5 JUL	2	1.0	7: 36			
30 JUN	2	2.0	1: 7	6: 2	12: 1	5 JUL	3	1.0				
1 JUL	3	4.0	1: 8			5 JUL	3	7.0	1: 17	6: 3	8: 4	
1 JUL	2	4.0	1: 8	6: 2	24: 12				24: 9			
1 JUL	6	6.0	1: 3	2: 1	3: 5	6 JUL	3	5.5	1: 30	3: 1	6: 3	
			6: 14	7: 19	9: 4				8: 1	24: 1		
1 JUL	2	5.0	1: 27	6: 1	12: 1	6 JUL	3	5.0	1: 20			
			13: 1	24: 2		6 JUL	6	4.0	1: 6	7: 18	9: 1	
1 JUL	2	3.0	3: 2	6: 4	7: 36	6 JUL	2	7.0	1: 12	6: 3	20: 3	
			8: 3	11: 1					78: 1			
1 JUL	6	3.0				7 JUL	2	6.0	1: 22	6: 2	8: 2	
1 JUL	3	10.0	22: 3	24: 4	29: 2				15: 1	20: 1		
			55: 1			7 JUL	2	3.0	1: 5			
1 JUL	3	6.0	1: 8	6: 1	8: 2	7 JUL	2	1.0	7: 17	8: 1		
			24: 27			7 JUL	2	4.0	1: 1	6: 8	7: 15	
2 JUL	3	3.5	1: 9			7 JUL	6	2.0	6: 6			
2 JUL	3	5.0	1: 47			7 JUL	2	0.5	7: 18	9: 1		
2 JUL	3	10.0	24: 2			7 JUL	3	6.5	1: 28	3: 1	6: 1	
2 JUL	2	3.0	1: 1	6: 14	7: 2				24: 1			
			8: 5			8 JUL	6	8.0	1: 10	3: 1	6: 20	
2 JUL	2	5.0	1: 2	6: 4	24: 5				8: 5	24: 3		
2 JUL	7	4.0	1: 12	6: 1	8: 2	8 JUL	2	2.0	6: 1	7: 20	9: 2	
2 JUL	6	6.0	1: 2	3: 10	5: 2	8 JUL	2	4.0	1: 3	6: 1	24: 2	
			7: 14			8 JUL	2	1.5	1: 1	6: 1	7: 4	
2 JUL	2	4.0	1: 18	6: 3	24: 3				13: 3			

APPENDIX TABLE 19 (CONTINUED).

DATE	ZONE	HOURS FISHED	— CATCH PER SPECIES —				DATE	ZONE	HOURS FISHED	— CATCH PER SPECIES —							
8 JUL	2	6.0	1:	15	6:	3	12:	1	14 JUL	3	3.0+	7:	1				
8 JUL	2	2.0	12:	1	22:	1			14 JUL	2	1.0	1:	3	3:	9	7:	18
8 JUL	3	4.0	1:	6	6:	6	8:	2	15 JUL	6	3.0	3:	2	6:	2		
			20:	1					15 JUL	2	0.5	3:	4	7:	4		
9 JUL	2	8.0	1:	9	3:	3	6:	17	15 JUL	3	3.5	1:	3	6:	3	24:	2
9 JUL	2	3.0	1:	2	3:	2	6:	1	15 JUL	3	4.0	1:	3	6:	12	7:	2
9 JUL	6	6.0	1:	2	6:	1	7:	8	15 JUL	2	1.0	7:	14				
			22:	1	24:	46			15 JUL	6	4.0	1:	4	6:	1	8:	1
9 JUL	2	3.0	1:	2	6:	4	78:	1				20:	1	22:	1		
9 JUL	2	10.0	1:	5	6:	17	24:	6	15 JUL	6	2.5	1:	7	6:	4	8:	3
9 JUL	2	3.5										24:	1				
9 JUL	3	5.0	1:	29					15 JUL	3	8.5	1:	11	3:	2	6:	9
9 JUL	3	3.5	1:	18	3:	1	6:	4				8:	5	24:	7		
10 JUL	3	7.0	1:	7	3:	1	6:	5	15 JUL	3	6.5	1:	14				
			8:	3	20:	1			16 JUL	4	4.5	6:	4	8:	1	20:	1
10 JUL	3	0.5	6:	1								24:	10				
10 JUL	6	2.0	6:	4					16 JUL	2	3.0	1:	1	6:	12		
10 JUL	2	1.0	7:	35					16 JUL	6	3.0	1:	5	7:	7		
10 JUL	2	4.0	1:	10	6:	8			16 JUL	3	8.0	1:	4	3:	4	6:	9
10 JUL	6	1.0	5:	1	6:	3	7:	12				7:	7				
			8:	1					16 JUL	6	5.0	1:	5	2:	1	6:	6
11 JUL	6	1.0	1:	2	7:	7						7:	2	8:	1	12:	1
11 JUL	2	3.0	1:	14					16 JUL	3	3.0	1:	11	6:	4	11:	1
11 JUL	3	2.0	1:	13	8:	3	24:	1	16 JUL	3	4.0	1:	4	7:	2	13:	4
11 JUL	3	5.0	1:	67	6:	3			16 JUL	2	3.0	1:	1	6:	7	22:	1
12 JUL	3	5.0	1:	19	3:	1	6:	3	16 JUL	3	5.0	1:	7	6:	3		
			8:	3	20:	1			16 JUL	2	1.0	3:	3				
12 JUL	6	6.0	1:	15	3:	1	8:	4	16 JUL	6	2.0	1:	1	6:	3		
12 JUL	2	3.0	1:	10					17 JUL	6	2.0	1:	4	6:	4	7:	12
12 JUL	3	8.0	1:	33	6:	1	8:	1	17 JUL	2	8.0	1:	19	6:	27	24:	12
			20:	4					17 JUL	6	5.0	1:	7	6:	1		
12 JUL	2	2.0	1:	4	6:	1			17 JUL	3	2.5	1:	3	8:	1		
12 JUL	2	2.0	1:	4	3:	16	6:	4	18 JUL	3	2.0	1:	6	6:	2	8:	7
12 JUL	6	2.0	6:	2								20:	1				
13 JUL	2	1.0	1:	1	7:	26			18 JUL	2	2.5	1:	1	8:	6		
13 JUL	6	2.0	1:	4	6:	2	7:	20	18 JUL	3	3.0	1:	2	3:	1	6:	12
13 JUL	3	3.0	1:	2	2:	2	6:	4	19 JUL	2	5.0	1:	2	6:	12		
			13:	4					19 JUL	3	2.0						
13 JUL	6	3.0	1:	4					19 JUL	2	2.0	1:	3				
13 JUL	3	2.5	1:	8	3:	1	8:	3	19 JUL	6	5.5	1:	1	3:	1	6:	4
			20:	1								8:	6				
14 JUL	3	2.5	1:	2	3:	1	6:	7	20 JUL	3	4.5	1:	30	8:	3		
			8:	1	24:	5			20 JUL	3	6.0	38:	1	55:	1		
14 JUL	6	2.5	1:	1	8:	1	24:	2	20 JUL	2	9.0	6:	27				
14 JUL	6	4.0	1:	6	6:	7	8:	3	20 JUL	3	4.0	6:	1				
14 JUL	2	4.0	1:	3	6:	1			21 JUL	3	6.0	1:	9	6:	3	11:	1
14 JUL	3	3.0	1:	8	2:	1	6:	2				22:	1				

APPENDIX TABLE 19 (CONTINUED).

DATE	ZONE	HOURS FISHED	-- CATCH PER SPECIES --				DATE	ZONE	HOURS FISHED	-- CATCH PER SPECIES --					
21 JUL	6	2.0	6:	6			29 JUL	3	3.0	1:	1	3:	1	6:	1
21 JUL	3	2.0	1:	2	6:	9				8:	1	24:	3		
21 JUL	2	2.5	1:	8	2:	1	12:	1	29 JUL	3	2.0	6:	6	7:	4
21 JUL	2	6.0	1:	7	3:	2	6:	14	29 JUL	3	4.0	1:	6	6:	1
21 JUL	6	4.0	1:	1	3:	3	6:	6	29 JUL	6	4.0	1:	2	6:	2
21 JUL	2	1.5	7:	8					29 JUL	2	6.0	1:	7	3:	8
21 JUL	6	5.5	1:	4	2:	1	6:	2	30 JUL	2	4.0	1:	5	3:	5
			7:	2	24:	4			30 JUL	2	5.0	1:	5	8:	1
22 JUL	3	2.0	1:	4	6:	2	8:	6	30 JUL	2	8.0	1:	16	3:	7
			24:	1					30 JUL	6	3.0	3:	2		
22 JUL	2	5.0	1:	13	7:	12	8:	2	30 JUL	3	5.5	1:	13	6:	3
22 JUL	2	4.0	1:	10	6:	1			31 JUL	2	10.0	1:	18	3:	3
22 JUL	2	3.0	1:	13	2:	1	6:	7				8:	1	24:	2
22 JUL	3	2.0	1:	3	7:	15	9:	2	31 JUL	3	2.0	3:	6	6:	7
22 JUL	6	4.0	1:	1	3:	5	6:	7				9:	4	7:	1
			7:	1					31 JUL	6	7.0	1:	50	6:	3
23 JUL	3	6.0	1:	10	6:	3			1 AUG	4	6.0	3:	18	6:	5
23 JUL	2	6.0	1:	1	6:	2	7:	1	1 AUG	2	1.0	6:	9	7:	3
23 JUL	6	4.0	1:	3	6:	7	20:	2	1 AUG	6	5.5	1:	3	6:	1
			24:	2					2 AUG	3	2.5	1:	1	20:	1
23 JUL	2	4.0	1:	1	3:	1	6:	1	2 AUG	1	4.0	3:	4		
23 JUL	3	7.0	22:	5	24:	1			2 AUG	3	3.0	6:	1	13:	1
23 JUL	3	6.0	11:	2	22:	7	24:	11	2 AUG	3	2.0	1:	1	6:	1
23 JUL	3	2.5	6:	2					3 AUG	6	6.0	1:	24	6:	4
24 JUL	2	8.0	1:	21	3:	2	6:	16	3 AUG	2	4.0	1:	10	6:	2
			7:	9					3 AUG	3	7.0	1:	14	6:	4
24 JUL	3	3.0	1:	1					3 AUG	4	4.0	3:	2	6:	5
24 JUL	6	6.0	1:	1	6:	25	13:	7	3 AUG	3	5.0	1:	5	6:	1
25 JUL	6	2.0	6:	1					3 AUG	2	4.5	1:	3	6:	4
25 JUL	2	4.0	1:	1	6:	6						13:	8	7:	2
26 JUL	2	4.0	1:	2	6:	1			4 AUG	3	3.0	6:	1		
26 JUL	6	5.0	1:	3	3:	1	6:	27	4 AUG	3	4.0	1:	39	6:	2
			8:	8	24:	8			4 AUG	3	4.0	1:	9	6:	3
26 JUL	3	1.0	3:	1	6:	6			4 AUG	3	7.0	1:	28		
26 JUL	2	3.0	6:	7	24:	1			4 AUG	2	4.0	1:	16		
27 JUL	2	3.5	3:	1	6:	14			4 AUG	6	6.0	1:	36	20:	2
27 JUL	3	4.0	1:	18	3:	1	6:	16	5 AUG	6	9.0	1:	27	6:	8
			7:	2					5 AUG	3	10.0	1:	24	6:	3
27 JUL	3	6.0	1:	12	6:	6	11:	1				24:	1	20:	2
27 JUL	6	2.5	1:	4	6:	2	78:	1	5 AUG	3	6.0	1:	19	2:	1
27 JUL	2	4.0	1:	1	3:	2	6:	1				2:	1	6:	15
27 JUL	3	8.0	22:	2					5 AUG	2	8.0	1:	22	6:	5
28 JUL	3	1.0	7:	1					5 AUG	3	3.0	1:	20	7:	2
28 JUL	6	8.0	1:	8	6:	6	8:	2	5 AUG	3	7.0	1:	17	6:	5
28 JUL	6	4.0	3:	3	6:	13	8:	1	5 AUG	4	2.0	6:	2		
28 JUL	3	2.0	1:	2	8:	2			5 AUG	3	3.0	1:	12		
29 JUL	3	4.5	1:	18	5:	1			5 AUG	3	4.0	1:	55	6:	2
												13:	1		

APPENDIX TABLE 19 (CONTINUED).

DATE	ZONE	HOURS FISHED	--- CATCH PER SPECIES ---					DATE	ZONE	HOURS FISHED	--- CATCH PER SPECIES ---				
5 AUG	3	3.0	1:	1	39:	1	12 AUG	4	8.0	1:	12	5:	1	6:	2
6 AUG	3	4.5	1:	8	7:	1	9:	1	8:	1	23:	1	24:	1	
6 AUG	4	4.0	1:	1	6:	8	7:	2	12 AUG	3	12.0	22:	2		
6 AUG	3	4.0	1:	13	6:	1	7:	1	12 AUG	3	4.0	1:	15	3:	1
6 AUG	3	12.0	21:	1	39:	1			12 AUG	3	12.0	21:	2	24:	3
6 AUG	3	8.0	6:	1	22:	1	24:	1			55:	2			
6 AUG	2	10.0	1:	25	6:	7	7:	1	13 AUG	3	12.0	24:	2		
6 AUG	3	8.0	1:	22	6:	2	20:	4	13 AUG	6	3.0	6:	6		
6 AUG	3	6.5	6:	2	21:	2	22:	2	13 AUG	2	6.0	1:	11	6:	1
			24:	4					13 AUG	3	12.0				
7 AUG	3	4.0	6:	1	22:	1			13 AUG	6	6.0	1:	9	2:	1
7 AUG	3	8.0	1:	22	6:	3	20:	3			7:	4	11:	1	
			24:	1					13 AUG	6	4.0	1:	5	6:	1
7 AUG	3	8.0	6:	1	22:	2	24:	1	13 AUG	2	6.0	1:	10	6:	5
			55:	1					13 AUG	3	6.0	1:	12	6:	3
7 AUG	2	8.0	1:	14	6:	6			13 AUG	3	4.0	1:	5		
7 AUG	3	9.0	24:	4					13 AUG	2	3.0	1:	34	3:	1
7 AUG	3	2.0	1:	11	6:	1	7:	1	13 AUG	3	12.0	55:	4		
7 AUG	3	3.5	1:	64	6:	1			14 AUG	3	2.5	1:	11	7:	1
8 AUG	3	3.0	1:	44					14 AUG	2	4.0	1:	8	6:	3
8 AUG	2	4.0	1:	8	6:	1			14 AUG	3	4.0	1:	8	6:	1
8 AUG	3	8.0	1:	22	6:	1	20:	2	14 AUG	6	4.0	1:	7	3:	1
8 AUG	3	6.0									20:	2			
9 AUG	3	1.0	7:	12	24:	21			14 AUG	3	3.0	1:	17	3:	2
9 AUG	2	3.0	1:	9	6:	3			15 AUG	3	3.0	1:	21	3:	1
9 AUG	4	6.0	1:	6	3:	1	6:	4	15 AUG	2	3.5	1:	9	3:	2
9 AUG	3	3.5	1:	7	7:	4					13:	1	20:	2	
9 AUG	3	6.0	1:	18	6:	4	13:	1	16 AUG	3	4.5	1:	18	6:	5
			24:	10							24:	1			
9 AUG	3	12.0	21:	3	22:	2	24:	3	16 AUG	3	2.0	1:	13	6:	2
10 AUG	3	4.0	24:	6					16 AUG	3	3.0	1:	12	3:	1
10 AUG	3	4.5	1:	9	6:	1			16 AUG	2	4.0	1:	18	6:	1
10 AUG	2	4.0	1:	6	6:	3			17 AUG	2	4.0	1:	2	6:	2
10 AUG	4	9.0	1:	14	6:	3	24:	2	17 AUG	6	8.0	1:	14	6:	6
10 AUG	6	5.0	1:	15	17:	1	20:	4			20:	3			
10 AUG	2	7.0	1:	16	6:	1			17 AUG	3	4.0	1:	18	2:	1
11 AUG	2	3.0	1:	4	6:	1	7:	1	17 AUG	3	2.5	1:	11		
11 AUG	6	4.0	1:	4	6:	1	8:	1	17 AUG	3	4.0	1:	29		
			24:	1					18 AUG	3	2.5	6:	4		
11 AUG	3	3.0	1:	8	13:	2			18 AUG	3	4.0	1:	36	3:	1
11 AUG	3	5.5	1:	55	6:	3	24:	1			8:	3			
12 AUG	3	6.0	1:	31	3:	2	6:	1	18 AUG	3	4.0	1:	7	2:	2
			13:	5	20:	1			18 AUG	2	4.0	1:	4		
12 AUG	3	12.0							18 AUG	3	4.0	1:	3		
12 AUG	3	3.0	1:	11	7:	1			19 AUG	2	4.0	1:	4	6:	2
12 AUG	2	8.0	1:	11	6:	6			19 AUG	3	4.0	1:	21	3:	2
12 AUG	6	6.0	1:	13	6:	18	11:	3	19 AUG	2	2.0	1:	4		

APPENDIX TABLE 19 (CONTINUED).

DATE	ZONE	HOURS FISHED	--- CATCH PER SPECIES ---				DATE	ZONE	HOURS FISHED	--- CATCH PER SPECIES ---			
19 AUG	3	4.0	1: 26	6: 1	20: 4	31 AUG	3	4.0	1: 33	8: 1	20: 2		
20 AUG	3	5.5	1: 3	3: 3	6: 2	1 SEP	6	3.0	1: 13	6: 4	14: 6		
			20: 1	22: 1					20: 10	50: 12			
20 AUG	2	2.0	1: 3	6: 1	7: 1	1 SEP	3	4.0	1: 5	6: 18			
20 AUG	2	2.0	1: 1			2 SEP	3	2.0	3: 2	6: 1	8: 1		
20 AUG	3	2.0	1: 3	6: 1	11: 2				20: 2				
20 AUG	3	2.0	1: 1			3 SEP	3	3.0	1: 1	6: 2			
20 AUG	3	8.0	1: 29	3: 4	6: 19	3 SEP	6	6.0	1: 24	5: 2	23: 1		
			24: 27			3 SEP	6	6.0	1: 31	8: 1	20: 1		
20 AUG	6	12.0	1: 30	3: 1	8: 1	3 SEP	2	8.0	1: 3	6: 2			
21 AUG	6	5.0	1: 7	8: 1	20: 2	3 SEP	3	7.0	1: 10	6: 4	7: 4		
21 AUG	2	8.0	1: 23	8: 6		3 SEP	3	1.0	1: 3	6: 1			
21 AUG	3	9.0				4 SEP	3	2.0	1: 12				
21 AUG	3	4.0	1: 5	3: 1	13: 1	4 SEP	2	4.0	1: 7	6: 3			
21 AUG	3	3.5	1: 9	6: 2	24: 2	4 SEP	6	8.0	1: 9	20: 2			
21 AUG	3	6.0	1: 8	3: 1	6: 1	4 SEP	2	8.0	1: 28	3: 2	6: 16		
			8: 5	24: 1					12: 1	22: 1			
22 AUG	3	3.0	1: 29	3: 1		4 SEP	6	3.0	2: 1	3: 1	7: 1		
22 AUG	3	4.0	1: 29	6: 3					13: 2				
22 AUG	2	4.0	1: 2	8: 9		4 SEP	3	1.0	3: 1	6: 4			
23 AUG	6	2.5	3: 1	8: 6		4 SEP	6	5.0	6: 8	7: 2			
23 AUG	3	1.0	1: 2	4: 1	6: 1	5 SEP	2	4.0	1: 4	6: 4	8: 1		
			7: 1			5 SEP	6	6.0	1: 10	2: 1	15: 1		
23 AUG	3	9.0	1: 81	6: 1					20: 1				
24 AUG	3	4.0	1: 32	6: 2		5 SEP	3	4.0	1: 12	6: 1	7: 4		
24 AUG	3	4.0	1: 8	20: 2					39: 1				
24 AUG	2	5.0	1: 2			5 SEP	2	6.0	1: 11	6: 4			
25 AUG	2	4.0	1: 11	8: 4		5 SEP	3	6.0	1: 10	3: 2	6: 1		
25 AUG	6	6.0	1: 17	6: 3	11: 1	5 SEP	2	2.0	1: 2	6: 1			
26 AUG	6	6.0	1: 14	6: 7		7 SEP	3	6.0	1: 30	6: 4	24: 2		
26 AUG	3	1.0	3: 1			7 SEP	3	2.0	1: 7				
26 AUG	3	5.0	1: 37	8: 1		8 SEP	6	3.0	6: 3				
26 AUG	2	2.5	1: 7	6: 3	23: 1	8 SEP	6	6.0	1: 21	20: 2			
27 AUG	3	3.5	1: 7	6: 2		8 SEP	2	2.5	1: 18	6: 2			
27 AUG	3	4.0	1: 25	24: 3		9 SEP	6	6.0	1: 12	20: 4			
27 AUG	6	4.0	6: 8	24: 1		9 SEP	2	4.0	1: 5	6: 1			
27 AUG	3	1.0	6: 2	39: 1		9 SEP	3	6.0	21: 1				
27 AUG	3	4.0	14: 15	16: 6	50: 24	10 SEP	3	1.5	1: 13				
			62: 16			10 SEP	2	8.0	1: 9	6: 2			
27 AUG	6	6.0	1: 23	14: 3		10 SEP	2	8.0	1: 17	6: 6			
27 AUG	2	6.0	1: 9	8: 3		10 SEP	6	12.0	1: 41	6: 5	20: 3		
27 AUG	3	10.0	1: 48	20: 2		10 SEP	6	10.0	1: 34	6: 3			
27 AUG	6	6.5	1: 19	6: 4		10 SEP	3	4.5	1: 20	39: 1			
28 AUG	6	8.0	1: 17	6: 6	13: 2	10 SEP	3	8.0	1: 11	3: 1	6: 1		
28 AUG	3	5.0	1: 14	6: 1					20: 2				
29 AUG	3	3.0	1: 10	6: 1		11 SEP	2	3.0	8: 1				
31 AUG	3	2.0	1: 1	6: 21		11 SEP	3	4.0	1: 1	6: 1	7: 2		

APPENDIX TABLE 19 (CONTINUED).

DATE	ZONE	HOURS			--- CATCH PER SPECIES ---	DATE	ZONE	HOURS			--- CATCH PER SPECIES ---						
		FISHED						FISHED									
11 SEP	3	4.0+	13:	12	24:	21	24 SEP	6	10.0	1:	14						
11 SEP	2	4.0	1:	5			24 SEP	2	8.0	1:	17	6:	2				
12 SEP	3	3.0	1:	2	6:	4	22:	2	24 SEP	3	3.0	22:	1				
14 SEP	2	8.0	1:	18	6:	2	24 SEP	2	3.0	1:	3						
14 SEP	2	4.0	1:	15	3:	2	25 SEP	2	8.0	1:	27	6:	1				
15 SEP	2	8.0	1:	11	6:	3	25 SEP	6	10.0	1:	13	6:	3	8:	1		
15 SEP	3	5.5	1:	9	7:	1	90:	1	25 SEP	6	9.0	1:	26	3:	2		
15 SEP	6	3.0	6:	2			25 SEP	2	10.0	1:	21	3:	2	6:	1		
15 SEP	3	4.0	1:	12	3:	1	26 SEP	2	3.5	1:	6						
15 SEP	2	3.5	1:	2	2:	1	26 SEP	6	6.0	1:	40						
16 SEP	3	8.5	1:	47	6:	1	13:	1	27 SEP	6	1.0						
			20:	2	24:	2			27 SEP	2	6.5	1:	21	3:	2	6:	1
16 SEP	3	4.5	1:	12							8:	7					
16 SEP	3	8.0	22:	1	24:	23	28 SEP	2	9.0	1:	17	20:	2				
16 SEP	3	2.0	1:	7			28 SEP	3	2.5	1:	1	8:	1				
16 SEP	3	9.0	22:	1	24:	1	28 SEP	3	6.0								
16 SEP	2	4.0	1:	8	6:	1	29 SEP	3	3.5	1:	2						
16 SEP	6	10.0	1:	88	6:	10	20:	2	29 SEP	2	4.0	6:	1				
17 SEP	2	6.0	1:	19	6:	9	29 SEP	6	4.0	6:	6						
17 SEP	6	8.0	1:	43	6:	1	8:	2	29 SEP	2	2.5	6:	1	8:	1	24:	1
17 SEP	3	9.0	21:	1			30 SEP	3	12.0	1:	30	6:	2	20:	15		
17 SEP	3	3.0	1:	3			30 SEP	6	3.0	1:	1	15:	1				
17 SEP	3	6.5	1:	38	6:	5	30 SEP	6	4.0	1:	6						
17 SEP	3	7.0	1:	98	6:	1	30 SEP	3	3.5	1:	5	6:	1	23:	1		
18 SEP	3	6.0	1:	14	6:	1	23:	1	30 SEP	2	4.0	1:	5				
18 SEP	2	2.0	1:	6	6:	6	1 OCT	6	4.0	1:	1	6:	3	7:	1		
18 SEP	2	8.0	1:	2	3:	3	9:	20	1 OCT	2	4.0	6:	1				
19 SEP	6	8.0	1:	38	3:	1	6:	2	1 OCT	6	6.0	1:	15	6:	3		
19 SEP	3	2.5	1:	2			2 OCT	2	6.0	1:	11	3:	4	8:	6		
20 SEP	6	1.0					2 OCT	6	3.0	1:	7	6:	1				
20 SEP	6	2.0	6:	1			2 OCT	3	6.0	22:	1						
21 SEP	6	2.5	3:	1	6:	1	8:	3	2 OCT	2	4.0	20:	2				
22 SEP	6	2.5	6:	1			3 OCT	2	4.5	1:	5	20:	1				
22 SEP	2	4.0	1:	5			3 OCT	3	8.0	22:	1	55:	1				
22 SEP	3	3.5	1:	9			3 OCT	6	8.0	1:	7	6:	5	20:	6		
22 SEP	2	4.0	1:	4	6:	1	4 OCT	6	4.0	6:	8						
23 SEP	3	3.0	1:	4	6:	4	4 OCT	6	1.0	3:	1	6:	4				
23 SEP	6	4.0	1:	3			4 OCT	2	5.0	1:	2	8:	2				
23 SEP	2	4.0	1:	3	6:	1	5 OCT	2	4.0	1:	2	5:	1				
23 SEP	2	8.0	1:	14	3:	6	6:	13	6 OCT	6	3.0	6:	6				
			8:	3			7 OCT	3	1.0								
23 SEP	6	8.0	1:	9	6:	11	7 OCT	2	4.0	1:	3						
23 SEP	2	3.0	1:	4	3:	2	6:	1	7 OCT	2	7.0	1:	32	6:	14		
24 SEP	2	10.0	1:	16	3:	2	6:	1	7 OCT	2	4.0	1:	9				
24 SEP	3	9.0	1:	18			8 OCT	2	4.5	1:	4	6:	1	8:	1		
24 SEP	6	9.0	1:	36	3:	3	6:	1		20:	1						
			8:	1			8 OCT	6	1.0	3:	1	6:	7				

APPENDIX TABLE 19 (CONTINUED).

DATE	ZONE	HOURS FISHED	-- CATCH PER SPECIES --			DATE	ZONE	HOURS FISHED	-- CATCH PER SPECIES --		
8 OCT	3	9.0	22: 1	33: 1	39: 1	29 OCT	4	6.0	3: 2	5: 33	6: 2
			117: 1						7: 1		
8 OCT	3	8.0	24: 3			30 OCT	4	3.0	3: 6	5: 15	6: 3
8 OCT	6	6.0	1: 3	6: 4					8: 8		
8 OCT	6	4.0	1: 2	6: 4	20: 6	30 OCT	6	2.5	1: 4	8: 1	20: 1
9 OCT	3	9.0	22: 1			31 OCT	3	6.0	1: 1	11: 4	22: 2
9 OCT	6	2.0	6: 1						23: 2	24: 4	39: 1
10 OCT	6	5.0	1: 12	6: 2	8: 2	31 OCT	3	6.0	23: 2		
			20: 1			4 NOV	6	1.0	6: 3		
10 OCT	2	6.0	1: 11	6: 3		5 NOV	6	2.0	1: 1		
12 OCT	6	3.0	6: 12			6 NOV	2	4.0	3: 13	5: 12	
13 OCT	6	3.0	1: 5	6: 7	8: 6	6 NOV	3	8.0			
13 OCT	2	4.5	1: 9	6: 2	8: 6	7 NOV	4	4.0	5: 13	8: 17	
14 OCT	6	6.0	1: 3	6: 8	13: 1	9 NOV	3	2.0			
14 OCT	6	8.0	1: 8	8: 5	20: 1	18 NOV	6	1.0			
14 OCT	3	5.0	1: 3	6: 3	8: 1	19 NOV	1	4.0	5: 5		
14 OCT	2	4.0	1: 1	6: 1		22 NOV	4	4.0	3: 6	5: 11	
14 OCT	3	1.5				25 NOV	4	4.0	5: 3	8: 1	13: 2
14 OCT	2	4.0	1: 3	6: 2							
15 OCT	6	1.0									
15 OCT	2	4.0	1: 3	6: 2	13: 5						
			20: 24	50: 1							
15 OCT	3	6.0	22: 1								
15 OCT	6	8.0	1: 2	3: 4	8: 6						
			12: 1								
15 OCT	6	10.0	1: 9	6: 12							
16 OCT	3	7.0	24: 1	55: 1							
17 OCT	6	3.0	1: 2	6: 3	8: 1						
			24: 1								
18 OCT	6	4.0	1: 2	6: 5	8: 3						
18 OCT	3	3.5	1: 3	6: 5							
19 OCT	6	1.0	6: 1	7: 1	13: 1						
21 OCT	3	2.0									
21 OCT	2	4.0	1: 1	6: 7							
21 OCT	3	7.0	22: 1								
21 OCT	2	3.5	1: 1	5: 1	6: 7						
			8: 8	17: 1							
22 OCT	3	2.0	1: 1								
22 OCT	2	4.0	1: 3	6: 1							
22 OCT	3	5.5	1: 1	6: 1							
22 OCT	2	2.0	1: 2	6: 1							
23 OCT	2	4.0	1: 5								
25 OCT	2	1.0	3: 3	6: 2	7: 1						
25 OCT	6	1.5									
27 OCT	4	4.0	3: 15	5: 12	6: 1						
28 OCT	2	3.0	1: 2	6: 2							
28 OCT	6	1.5	5: 1								

APPENDIX TABLE 20. LOGGED 1983 NON-TROLLING CATCH AND EFFORT FROM NORTHWEST FLORIDA

DATE	ZONE	HOURS FISHED	--- CATCH PER SPECIES ---				DATE	ZONE	HOURS FISHED	--- CATCH PER SPECIES ---			
12 MAR	3	4.0	13: 3	14: 15	17: 3	16 APR	3	6.0	13: 3	14: 32	17: 3		
			50: 21	62: 10					20: 14	50: 41	62: 6		
13 MAR	3	3.5	13: 3	14: 12	17: 3	16 APR	2	5.5	20: 2	50: 18	85: 10		
			37: 1	50: 15	62: 11	17 APR	3	4.5	14: 5	17: 8	50: 44		
3 APR	3	6.0	13: 3	14: 32	17: 3	17 APR	3	5.0	13: 2	14: 31	17: 1		
			20: 50	50: 25	62: 70				50: 86	62: 32			
4 APR	3	8.0	14: 6	17: 1	20: 12	17 APR	3	3.0	16: 2	17: 4	18: 2		
			50: 28	62: 1					20: 3	50: 18			
4 APR	2	2.0	4: 1	14: 4	17: 2	17 APR	3	7.0	14: 4	16: 2	17: 21		
			50: 24			18 APR	3	4.0	16: 2	17: 6	18: 4		
6 APR	2	2.0	4: 1	50: 18					20: 3	50: 25			
6 APR	2	5.0	13: 1			19 APR	3	6.0	13: 2	14: 74	17: 4		
7 APR	3	2.0	13: 15	14: 1	16: 1				20: 21	37: 1	50: 15		
7 APR	2	4.0	14: 2	50: 5	62: 2				62: 89				
8 APR	3	5.0	14: 46	17: 3	20: 30	19 APR	3	4.0	13: 10	17: 10			
			50: 22	62: 8		20 APR	3	8.0	14: 2	17: 6	20: 15		
8 APR	3	7.0	14: 50	17: 2	20: 20				50: 42				
9 APR	3	2.0	14: 9	20: 8	50: 12	21 APR	3	6.0	13: 4	14: 12	17: 6		
			62: 10	126: 1					20: 2	50: 12	62: 41		
10 APR	3	6.0	13: 4	14: 25	17: 12	23 APR	2	4.0	13: 1	14: 28	17: 1		
			20: 60	50: 75	62: 35				20: 2	50: 14	62: 21		
10 APR	3	7.0	14: 40	17: 6	20: 10	23 APR	2	1.5	50: 6				
10 APR	2	3.0	14: 12	20: 2	50: 10	23 APR	3	5.0	14: 21	17: 3	20: 10		
			62: 7						50: 8				
10 APR	3	8.0	14: 22	15: 2	17: 5	23 APR	3	7.0	13: 2	16: 2	17: 16		
			18: 1	20: 5	50: 12				37: 4				
			82: 1			23 APR	3	6.0	13: 43	14: 8	17: 1		
10 APR	3	6.0	13: 12	14: 19	20: 5				20: 23	50: 26			
			50: 55	54: 1	62: 25	23 APR	3	4.0	17: 1	20: 2	50: 12		
			4: 1						62: 4	85: 8			
11 APR	2	1.0	4: 1			24 APR	2	4.0	14: 2	15: 1	16: 1		
11 APR	3	7.0	14: 20	17: 10	20: 10				20: 2	50: 22	54: 4		
12 APR	3	7.0	14: 10	17: 8	20: 10	24 APR	2	2.0	14: 12	20: 2	50: 8		
12 APR	3	1.0	20: 4						62: 21				
13 APR	3	7.0	13: 20	17: 2		25 APR	3	8.0	14: 8	17: 8	20: 12		
14 APR	2	3.0	14: 4	20: 1	50: 14				35: 1	50: 25			
			62: 3			25 APR	3	2.0	17: 2	20: 30	50: 15		
15 APR	3	8.0	17: 3	50: 200	54: 1	25 APR	3	6.0	13: 10	17: 6			
			62: 4			26 APR	3	1.0	14: 1	20: 2	50: 12		
15 APR	3	7.0				26 APR	6	6.0	13: 15	15: 1			
16 APR	3	7.0	17: 20	37: 2		26 APR	3	11.0	14: 42	20: 40	35: 1		
16 APR	3	4.0	14: 2	20: 1	50: 30				50: 25	62: 2			
16 APR	3	6.0	13: 30	14: 10	17: 1	26 APR	2	4.0	50: 10	54: 5			
			20: 28	50: 43	62: 13	27 APR	2	3.0	50: 12	54: 6			
16 APR	3	12.0	6: 1	14: 35	17: 17	27 APR	3	10.0	14: 4	16: 1	17: 3		
			20: 3	50: 8					20: 11				
16 APR	3	6.0	13: 2	14: 38	17: 13	27 APR	2	3.0	14: 39	17: 2	20: 3		
			50: 47	62: 31									

APPENDIX TABLE 20 (CONTINUED).

DATE	ZONE	HOURS FISHED	-- CATCH PER SPECIES --			DATE	ZONE	HOURS FISHED	-- CATCH PER SPECIES --		
27 APR	2	3.0+	50: 12	62: 8		5 MAY	2	6.0+	20: 3	50: 11	62: 16
27 APR	3	4.0	14: 127	17: 2	20: 2	5 MAY	3	7.0	13: 15		
28 APR	3	6.0	14: 13	17: 1	20: 23	5 MAY	3	12.0	13: 1	14: 46	17: 3
			50: 33	62: 17					20: 30	50: 27	62: 5
28 APR	2	6.0	14: 36	20: 10	50: 16				118: 1		
			62: 4			6 MAY	3	7.0	13: 15		
29 APR	3	4.0	13: 1	14: 25	20: 10	6 MAY	2	5.0	13: 23	17: 4	
			24: 50	62: 50		7 MAY	3	5.0	14: 1	50: 63	62: 54
29 APR	3	6.0	13: 43	20: 17	62: 2	7 MAY	3	8.0	14: 14	17: 1	20: 3
29 APR	3	4.0	14: 92	20: 24	50: 20				50: 6	62: 2	
			62: 11			7 MAY	3	3.0	14: 3	50: 45	
29 APR	3	5.5	20: 4	50: 25	62: 6	7 MAY	3	7.0	14: 15	17: 12	20: 1
30 APR	3	5.0	20: 6	50: 28	62: 6				50: 18	62: 12	
30 APR	3	2.0	20: 2	50: 14	62: 9	7 MAY	3	3.0	62: 9	85: 16	
30 APR	3	6.0	14: 50			7 MAY	3	4.0	14: 32	20: 27	50: 14
30 APR	3	6.0	13: 29	14: 19	16: 1				62: 13		
			17: 3	20: 7	50: 28	7 MAY	3	7.0	17: 20		
			62: 1			7 MAY	3	8.0	13: 24	14: 27	20: 18
30 APR	2	5.0	13: 4	50: 3					50: 8	62: 12	
30 APR	6	5.0	14: 10	15: 3	17: 10	7 MAY	3	4.0	16: 1	50: 43	
			20: 3	50: 6	62: 4	7 MAY	2	3.0	20: 4	50: 15	
30 APR	3	4.0	14: 1	20: 20	24: 30	8 MAY	3	7.0	14: 4	16: 1	17: 1
30 APR	3	5.0	14: 18	16: 1	20: 8				20: 2	50: 12	62: 20
			50: 140	99: 1		9 MAY	2	7.0	13: 26	17: 4	
30 APR	3	6.0	13: 2	14: 81	17: 3	9 MAY	6	8.0	12: 2	20: 4	50: 65
			20: 28	50: 29	62: 62				62: 20		
30 APR	3	4.0	13: 1	20: 1	50: 18	10 MAY	3	8.0	20: 4	50: 65	62: 20
			85: 5			11 MAY	3	1.0	13: 48		
1 MAY	2	3.0	14: 41	16: 2	17: 5	12 MAY	3	1.0	13: 50		
			20: 2	50: 10	62: 1	12 MAY	3	10.0	13: 14	14: 38	20: 12
1 MAY	3	6.0	14: 3	16: 1	17: 4				42: 10	50: 8	62: 11
			20: 20	50: 30		12 MAY	2	6.0	14: 24	16: 1	17: 2
1 MAY	3	4.0	50: 45	62: 15					20: 12	50: 23	62: 68
1 MAY	3	3.0	14: 5	17: 2	20: 2	12 MAY	3	5.0	50: 53		
			50: 3	62: 2		13 MAY	3	3.0	13: 5		
1 MAY	3	8.0	13: 13	14: 70	16: 2	13 MAY	3	6.0	14: 18	17: 5	20: 6
			17: 4	20: 93	50: 45				50: 20	62: 2	
			62: 11			13 MAY	3	6.0	13: 53	14: 11	17: 1
1 MAY	3	7.0	14: 50						20: 19	50: 23	62: 9
1 MAY	3	5.0	14: 12	20: 15	50: 35	13 MAY	3	6.0	13: 20	14: 15	
			62: 3			14 MAY	3	6.0	2: 1	13: 36	14: 9
3 MAY	3	7.0	14: 10	17: 12					50: 23	62: 30	
3 MAY	2	1.0	20: 1			14 MAY	3	6.0	14: 10	17: 20	
4 MAY	3	7.0	14: 20	17: 5		14 MAY	6	5.5	14: 40	16: 1	17: 1
4 MAY	3	8.0	14: 16	15: 1	17: 2				20: 30	50: 2	62: 3
			20: 4	50: 6	62: 2	14 MAY	2	5.0	13: 29		
5 MAY	2	6.0	14: 14	17: 1	18: 1	14 MAY	3	6.0	14: 6	16: 1	20: 7

APPENDIX TABLE 20 (CONTINUED).

DATE	ZONE	HOURS FISHED	-- CATCH PER SPECIES --			DATE	ZONE	HOURS FISHED	-- CATCH PER SPECIES --		
14 MAY	3	6.0+	50: 30	62: 25		22 MAY	3	8.0	13: 16	14: 2	17: 3
14 MAY	3	5.0	14: 17	20: 8	50: 37				20: 18		
14 MAY	2	2.0	8: 8	14: 6	20: 5	22 MAY	6	5.0	14: 20	16: 5	17: 10
			50: 8	62: 4	85: 12				20: 8		
14 MAY	3	6.0	13: 1	14: 20	20: 22	22 MAY	3	5.5	14: 5	17: 2	
			50: 25	62: 20		23 MAY	6	5.0	14: 15	16: 3	17: 12
14 MAY	3	7.0	13: 3	14: 80	17: 2	23 MAY	3	4.0	13: 21	14: 2	17: 1
			20: 28	50: 15	62: 31				20: 46		
14 MAY	3	8.0	14: 1	17: 1	20: 4	23 MAY	3	6.0	13: 1	14: 5	17: 1
			50: 25	62: 18					50: 12	62: 19	
15 MAY	3	6.0				24 MAY	3	1.0	13: 5		
15 MAY	3	6.0	14: 23	20: 15	50: 85	24 MAY	6	2.0	14: 5	18: 1	20: 3
			62: 23						50: 4	85: 2	
15 MAY	3	3.0	13: 28	14: 3	16: 1	24 MAY	3	4.0	13: 33	14: 28	16: 1
			20: 22	50: 1	62: 46				20: 33	50: 18	54: 2
15 MAY	3	5.0	13: 10	14: 20	17: 5				62: 20		
17 MAY	3	5.0	13: 12	20: 20		24 MAY	3	11.0	13: 3	14: 32	17: 1
17 MAY	3	4.0	14: 5	15: 1	17: 4				20: 60	42: 1	50: 21
			20: 3	50: 7	62: 3				62: 12		
17 MAY	2	2.0	13: 1	14: 2	20: 1	25 MAY	6	5.0	13: 20		
			50: 15	62: 12		25 MAY	3	1.0	13: 19	14: 1	
18 MAY	2	6.0	13: 9	14: 25	17: 2	25 MAY	3	1.0	13: 5		
			20: 1	50: 25		25 MAY	3	8.0	13: 10	17: 6	20: 28
20 MAY	2	6.0	17: 2	20: 3	50: 10	26 MAY	3	2.0	14: 4	15: 2	17: 2
20 MAY	3	8.0	14: 20	17: 1	20: 7				20: 10	24: 1	50: 10
			50: 15	62: 17					62: 10		
20 MAY	2	2.0	14: 1	17: 1	50: 15	26 MAY	3	0.5	12: 1	13: 18	
			62: 6			26 MAY	3	1.5	14: 6	20: 11	50: 5
20 MAY	3	3.0	13: 12	20: 32	50: 9	26 MAY	6	5.0	13: 10	14: 20	
			54: 1	62: 23		27 MAY	3	10.0	5: 1	13: 1	14: 12
21 MAY	3	4.0	14: 12	20: 26	50: 14				16: 1	50: 40	62: 35
			62: 5			27 MAY	6	5.0	13: 15	17: 6	
21 MAY	3	5.0	14: 50	17: 12		27 MAY	3	6.0	13: 49	14: 11	17: 5
21 MAY	3	3.0	12: 1	13: 26	14: 1				20: 63	50: 6	62: 23
			20: 21	50: 19	62: 2	27 MAY	3	2.0	13: 11	14: 6	20: 1
21 MAY	3	8.0	6: 1	13: 12	14: 41				42: 1	50: 1	
			16: 12	18: 8	20: 4	27 MAY	3	6.0	13: 10	24: 11	50: 15
			50: 261	62: 201		28 MAY	3	5.0	8: 7	13: 1	14: 11
21 MAY	3	2.0	20: 1	50: 17	85: 8				17: 3	20: 8	23: 1
21 MAY	2	5.0	13: 4	14: 6	17: 1				37: 1	50: 20	
			20: 12			28 MAY	2	6.0	14: 17	17: 2	20: 6
21 MAY	3	6.0	14: 12	16: 1	17: 4	28 MAY	3	7.0	13: 15	14: 20	50: 50
			20: 5	50: 10	62: 10				62: 45		
21 MAY	3	5.0	14: 14	17: 3	50: 55	28 MAY	3	8.0	14: 37	16: 1	17: 2
			62: 20						20: 15	50: 30	62: 16
21 MAY	2	4.0	13: 7	14: 2	20: 8	28 MAY	3	4.0	13: 8	14: 4	20: 11
21 MAY	3	6.0	14: 16	50: 17					62: 1		

APPENDIX TABLE 20 (CONTINUED).

DATE	ZONE	HOURS FISHED	--- CATCH PER SPECIES ---			DATE	ZONE	HOURS FISHED	--- CATCH PER SPECIES ---		
28 MAY	6	5.0	13: 20	17: 3		3 JUN	3	5.0	7: 1	13: 23	14: 11
28 MAY	3	5.0	13: 16	14: 19	17: 3				20: 43	50: 5	62: 3
			20: 14	24: 12	50: 130	3 JUN	3	6.0	2: 1	13: 15	14: 10
			62: 23						17: 6		
28 MAY	3	8.0	14: 8	17: 6	20: 8	3 JUN	4	6.0	13: 1	16: 1	17: 2
			50: 15	62: 13					54: 2		
28 MAY	3	5.5	13: 4	16: 2	17: 2	4 JUN	3	5.5	14: 5	18: 1	20: 4
29 MAY	3	6.0	13: 12	16: 3	17: 2	4 JUN	3	6.0	14: 25	20: 25	
			20: 12			4 JUN	3	5.0	6: 2	14: 39	17: 1
29 MAY	3	5.0	14: 35	16: 1	17: 5				20: 32	50: 25	62: 18
			20: 6	50: 11	62: 15	4 JUN	3	5.0	13: 19	14: 37	20: 47
29 MAY	2	4.0	13: 7	20: 3					50: 13	62: 9	
29 MAY	3	4.0	13: 2	14: 4	50: 6	4 JUN	3	8.0	13: 6	14: 4	20: 30
			62: 15						50: 14	54: 1	62: 5
29 MAY	3	3.0	6: 2	14: 4	20: 3	4 JUN	3	3.0	13: 8		
			50: 17			4 JUN	3	12.0	6: 3	13: 7	14: 19
29 MAY	3	5.0	1: 1	3: 1	6: 5				15: 3	16: 2	17: 11
			8: 5	12: 1	13: 12	4 JUN	2	2.0	8: 12	13: 11	
			23: 1			4 JUN	3	6.0	13: 10	14: 31	17: 1
29 MAY	3	6.0	14: 1	18: 1	20: 8				20: 3	50: 5	
			50: 5	85: 10		4 JUN	2	3.0	13: 22		
29 MAY	2	6.0	14: 6	17: 1	20: 4	4 JUN	3	5.0	13: 18	14: 30	16: 1
			50: 15	62: 18					17: 1	20: 21	50: 46
30 MAY	3	5.0	14: 51	16: 1	17: 1				62: 8		
			20: 16	50: 65	62: 14	5 JUN	2	5.0	14: 4	17: 1	20: 12
30 MAY	3	2.0	14: 2	20: 1	50: 4				50: 7	62: 14	
30 MAY	3	3.0	14: 3	20: 2	50: 13	5 JUN	2	3.0	13: 18		
30 MAY	3	6.0	13: 20			5 JUN	3	1.0	2: 1	13: 2	
30 MAY	3	5.0	13: 1	14: 95	17: 7	5 JUN	6	6.0	13: 5	14: 20	16: 2
			20: 65	50: 23	62: 36				17: 5		
31 MAY	6	2.0	6: 3	13: 11		5 JUN	3	4.0	13: 19	14: 42	17: 3
1 JUN	3	1.0	13: 12						20: 17	50: 2	62: 6
1 JUN	3	6.0	13: 25			6 JUN	3	2.0	13: 32		
1 JUN	2	3.5	7: 7	8: 5	13: 6	6 JUN	6	6.0	13: 2	14: 25	16: 1
1 JUN	3	5.5	8: 15	13: 7					17: 15		
2 JUN	3	5.5	13: 3	14: 18	18: 3	6 JUN	3	5.0	12: 1	13: 17	50: 2
			20: 4						54: 3		
2 JUN	2	1.0	13: 21			6 JUN	3	6.0	13: 28	14: 31	16: 1
2 JUN	2	3.0	13: 32						17: 3	20: 12	50: 16
2 JUN	3	5.0	14: 6	17: 3	20: 15				62: 21		
			50: 62	62: 51		7 JUN	2	3.0	14: 2	17: 4	20: 1
3 JUN	3	5.0	13: 26	14: 41	17: 3				50: 2	54: 2	
			20: 14	50: 21	62: 15	7 JUN	3	4.0	13: 23	14: 19	20: 31
3 JUN	2	3.0	13: 16						50: 23	62: 17	
3 JUN	3	3.0	13: 12	14: 1		8 JUN	6	6.0	14: 25	16: 10	17: 10
3 JUN	3	5.0	14: 1	17: 4	20: 5	8 JUN	2	1.0	13: 19		
			50: 15	62: 4		8 JUN	2	5.5	13: 2	14: 6	20: 16

APPENDIX TABLE 20 (CONTINUED).

DATE	ZONE	HOURS FISHED	-- CATCH PER SPECIES --			DATE	ZONE	HOURS FISHED	-- CATCH PER SPECIES --								
8 JUN	2	5.5+	50:	21	62:	42	12 JUN	4	4.0+	62:	12						
8 JUN	2	2.0	13:	2	17:	1	20:	1	12 JUN	3	3.0	13:	10				
8 JUN	2	3.0	7:	8					12 JUN	3	4.0	13:	6	14:	18	20:	46
9 JUN	2	8.0	6:	7	12:	1	13:	16				62:	23				
			14:	3	16:	2	17:	4	12 JUN	2	5.0	14:	6	17:	1	20:	9
			20:	19								50:	12	62:	21		
9 JUN	2	3.0	13:	1					12 JUN	2	1.0	13:	1				
9 JUN	2	6.0	13:	1	14:	14	20:	3	12 JUN	2	2.0	13:	2				
			50:	12	62:	3			13 JUN	2	2.0	13:	7				
9 JUN	3	4.0	13:	20	14:	42	20:	12	14 JUN	2	1.5	13:	1				
			50:	31	62:	73			14 JUN	2	5.0	14:	12	16:	1	20:	14
9 JUN	3	3.0	7:	17	14:	35	17:	2				50:	6	62:	9		
			20:	14	50:	18	62:	15	14 JUN	6	6.0	13:	10	14:	20		
9 JUN	3	7.0	6:	1	13:	10	14:	13	14 JUN	3	5.0	5:	1	7:	1	13:	35
			16:	1	17:	1	20:	40				14:	3	20:	18	50:	31
			50:	32	62:	47						62:	68				
9 JUN	3	1.5	13:	33					15 JUN	6	6.0	14:	40	16:	3	17:	8
10 JUN	3	4.5	13:	28					15 JUN	3	4.0	13:	5	14:	53	18:	1
10 JUN	6	6.0	13:	20								20:	6	50:	1	62:	8
10 JUN	3	2.0	6:	12	13:	3	14:	40	15 JUN	3	5.0	13:	21	14:	36	20:	41
			17:	1	50:	15	62:	20				50:	16	62:	3		
			79:	1					16 JUN	2	5.0	6:	1	14:	12	17:	1
10 JUN	3	4.0	6:	4	13:	21	14:	57				20:	12	50:	16	62:	28
			20:	12	50:	18	62:	61	16 JUN	3	2.0	12:	1	20:	4	50:	2
10 JUN	3	6.0	13:	26	14:	27	16:	1	16 JUN	6	4.0	13:	10				
			17:	3	20:	21	50:	42	17 JUN	3	6.0	13:	5	17:	5	37:	2
			62:	31					17 JUN	2	3.0	14:	25	20:	20	50:	25
10 JUN	2	2.0	13:	7					17 JUN	2	2.5	14:	20	16:	1	17:	5
10 JUN	3	4.0	13:	16								20:	12	50:	18	62:	3
11 JUN	3	5.0	13:	12	14:	12	15:	1	18 JUN	3	6.0	14:	41	16:	1	17:	3
			17:	3	50:	8	62:	3				20:	27	24:	1	50:	37
11 JUN	2	8.0	5:	3	13:	11	14:	4				62:	42				
			17:	6	20:	29			18 JUN	3	1.0	2:	1	13:	4		
11 JUN	3	3.0	13:	29					18 JUN	3	6.0	14:	75	20:	17	50:	60
11 JUN	3	6.0	6:	3	7:	5	8:	2	18 JUN	3	8.0	14:	17	17:	7	20:	10
			12:	1	13:	6	14:	4				24:	15	50:	16	62:	16
			17:	4	20:	3	35:	1	18 JUN	3	3.0	13:	36	14:	23	20:	15
			50:	1	54:	10						54:	1	62:	2		
11 JUN	3	6.0	13:	4	14:	28	17:	1	18 JUN	6	6.0	14:	20	15:	2	17:	12
			20:	6	50:	38	62:	26	18 JUN	3	4.0	14:	9	20:	36	50:	10
11 JUN	6	6.0	13:	10	17:	10						62:	2				
11 JUN	3	1.0	13:	18					19 JUN	3	1.0	13:	21				
11 JUN	3	3.0	13:	10	16:	2			19 JUN	2	2.0	13:	6	24:	6		
11 JUN	3	5.0	13:	7	14:	17	17:	3	19 JUN	3	12.0	2:	3	8:	8	13:	14
			20:	17								14:	4	16:	2	17:	5
12 JUN	3	5.5	14:	18	17:	3						22:	1				
12 JUN	4	4.0	14:	8	15:	2	50:	14	19 JUN	2	1.5	14:	1	17:	1	20:	12

APPENDIX TABLE 20 (CONTINUED).

DATE	ZONE	HOURS FISHED	--- CATCH PER SPECIES ---				DATE	ZONE	HOURS FISHED	--- CATCH PER SPECIES ---					
19 JUN	2	1.5+	50:	6			27 JUN	2	2.0	13:	4	14:	20	16:	1
19 JUN	2	6.0	13:	3	14:	21	17:	1		17:	3	50:	3	62:	21
			20:	12	50:	4	62:	22	28 JUN	2	3.0	13:	1	14:	16
20 JUN	2	2.0	13:	1	14:	18	20:	4				50:	14	62:	21
			50:	2	62:	41			29 JUN	2	3.0	14:	3	17:	1
20 JUN	2	1.0	20:	8	50:	6						24:	2	50:	3
21 JUN	2	6.0	14:	4	17:	2	20:	12	29 JUN	3	1.0	13:	2	14:	25
			50:	28	62:	40			29 JUN	2	6.0	13:	18		
22 JUN	2	6.0	14:	31	17:	1	20:	4	30 JUN	2	3.5	13:	14		
			50:	21	62:	38			30 JUN	3	2.0	13:	10		
22 JUN	3	4.0	11:	1	13:	8	14:	1	30 JUN	3	2.0	12:	1	13:	3
			20:	1	50:	6						50:	10	62:	10
22 JUN	3	4.0	6:	1	13:	16	14:	23	30 JUN	2	3.0	14:	12	20:	3
			17:	1	20:	8	54:	2				62:	4	50:	7
			62:	13					1 JUL	3	6.0				
23 JUN	3	2.0	13:	1					1 JUL	3	2.0	13:	2	54:	3
23 JUN	2	6.0	14:	8	20:	23	50:	28	1 JUL	2	3.0	13:	13	14:	1
			62:	3					2 JUL	3	10.0			17:	1
24 JUN	3	5.0	6:	1	13:	12	14:	46	2 JUL	3	2.0	18:	1	20:	12
			16:	2	17:	4	18:	1				62:	6	87:	1
			20:	14	50:	6	62:	14	2 JUL	3	8.0	13:	1	14:	34
24 JUN	3	1.0	13:	2	14:	3	20:	4				17:	1	20:	8
			50:	7								54:	1	24:	1
24 JUN	3	4.0	6:	4	13:	16	14:	36	2 JUL	6	6.0	2:	1	12:	1
			16:	2	20:	3	24:	1				16:	1	17:	4
			50:	23	62:	132						22:	1	20:	7
25 JUN	3	2.0	13:	23					3 JUL	2	1.5	13:	1	20:	6
25 JUN	3	5.0	13:	2	14:	22	17:	1	3 JUL	3	5.0	13:	21	14:	18
			20:	2	50:	7	62:	3				20:	4	50:	29
25 JUN	2	1.5	14:	5	20:	13	50:	4	3 JUL	3	4.0	14:	3	20:	8
25 JUN	3	5.0	13:	7	14:	62	16:	1				62:	11	50:	29
			17:	2	20:	41	50:	21	3 JUL	3	4.0	13:	19	14:	21
			62:	7								50:	2	54:	1
25 JUN	2	6.0	6:	7	14:	8	17:	1	4 JUL	3	2.0	13:	15	14:	16
			20:	11	50:	76						62:	23	20:	13
25 JUN	3	5.0	12:	15					4 JUL	3	5.0	13:	1	14:	6
26 JUN	3	4.0	13:	42	14:	26	16:	18				20:	6	62:	20
			17:	14	18:	2	20:	1	4 JUL	2	6.0	13:	1	14:	3
			24:	6	50:	103	62:	180				50:	23	62:	51
26 JUN	3	4.5	2:	1	11:	4	13:	5	4 JUL	3	3.5	20:	12	24:	4
			20:	15	24:	3	62:	10	5 JUL	3	3.0	14:	1	20:	10
26 JUN	3	6.0	6:	4	13:	46	14:	127	5 JUL	3	5.0	14:	12	17:	1
			16:	2	20:	28	62:	42				24:	4	50:	12
27 JUN	3	3.0	14:	1	20:	4	50:	20	5 JUL	3	8.0	1:	1	6:	1
			62:	4	76:	1						14:	16	16:	2
27 JUN	3	3.0										20:	20	42:	2
27 JUN	2	2.0	14:	1	20:	20	50:	9				62:	18	50:	15

APPENDIX TABLE 20 (CONTINUED).

DATE	ZONE	HOURS FISHED	-- CATCH PER SPECIES --				DATE	ZONE	HOURS FISHED	-- CATCH PER SPECIES --							
5 JUL	3	2.0	13:	4	14:	26	20:	4	12 JUL	3	1.0	13:	7				
5 JUL	3	2.0	14:	31	20:	6	50:	1	12 JUL	3	3.0	13:	3	14:	8	62:	15
6 JUL	3	12.0	6:	8	13:	19	14:	6	12 JUL	3	5.0	6:	1	13:	14	14:	3
			16:	2	17:	7						20:	4	50:	82	62:	40
6 JUL	3	5.0	13:	4	14:	32	20:	20	12 JUL	3	2.0	20:	5	50:	1		
			50:	51	62:	26			13 JUL	3	2.0	13:	4	24:	32	72:	4
6 JUL	2	3.0	13:	11					13 JUL	3	5.0	6:	5	14:	21	20:	28
7 JUL	3	2.5	13:	14								50:	6	62:	40		
7 JUL	3	5.0	14:	12	20:	2	24:	16	13 JUL	3	2.0	13:	28	14:	21	20:	9
			50:	20	62:	3						50:	1	54:	3	62:	4
7 JUL	3	3.0	13:	21	14:	18	20:	14	14 JUL	3	4.0	13:	18	14:	16	20:	21
			50:	3	62:	36						50:	13	54:	1	62:	11
7 JUL	3	8.0	2:	2	14:	28	20:	23	14 JUL	3	4.5	14:	58	17:	1	20:	6
			50:	20	54:	1	62:	12				50:	5	62:	5		
8 JUL	3	2.0	13:	10	14:	31	20:	3	14 JUL	3	5.0	13:	1	14:	14	20:	20
8 JUL	3	6.0	13:	21	14:	32	16:	1				50:	27	62:	8		
			17:	2	20:	6	50:	38	15 JUL	3	5.0	6:	1	7:	3	14:	27
			62:	42								20:	12	50:	34	62:	42
8 JUL	3	1.5							15 JUL	3	12.0	5:	2	6:	3	13:	11
8 JUL	2	4.0	13:	10								14:	2	18:	4	20:	19
9 JUL	2	7.0	6:	4	8:	2	14:	7	15 JUL	3	3.0	13:	23	14:	1	42:	1
			17:	4	20:	8	50:	23				62:	1				
			62:	6					15 JUL	3	1.0	14:	15	20:	3	50:	2
9 JUL	3	4.0	6:	1	13:	3	14:	25				62:	4				
			17:	3	20:	4	50:	3	15 JUL	3	4.0	13:	1	14:	6	20:	8
			54:	3	78:	1						50:	7	62:	21		
9 JUL	3	1.0	13:	1					16 JUL	3	7.0	13:	1	14:	30	20:	50
9 JUL	3	5.0	13:	6	14:	42	20:	18				50:	10	62:	10		
			50:	26	62:	3			16 JUL	3	3.0	14:	43	20:	28	42:	1
9 JUL	3	5.0	1:	1	13:	9	17:	1				50:	31	62:	67		
			20:	13	24:	1	50:	32	16 JUL	3	5.0	14:	116	20:	8		
			54:	1	62:	121			16 JUL	3	5.0	11:	1	13:	4	14:	14
9 JUL	3	5.0	14:	26	20:	6	62:	3				17:	1	20:	16	50:	12
10 JUL	3	4.0	13:	21	14:	19	20:	14				62:	46				
			50:	17	62:	43			16 JUL	3	3.0	11:	2	13:	2	72:	1
10 JUL	3	5.0	13:	14	14:	14	20:	8	16 JUL	6	5.0	13:	7	14:	4	17:	1
			50:	6	62:	20						20:	2	50:	5	62:	2
10 JUL	3	5.0	6:	3	13:	1	14:	34	17 JUL	3	3.0	13:	5	14:	22	20:	9
			20:	27	50:	45	62:	20	17 JUL	3	5.0	6:	2	13:	6	14:	14
10 JUL	3	8.0	6:	4	11:	1	12:	1				17:	1	20:	22	50:	36
			13:	21	14:	6	17:	10				62:	57				
			20:	24					17 JUL	3	1.5	14:	41	20:	1	24:	2
10 JUL	3	4.5	14:	35	50:	12	62:	6				50:	4	62:	3		
11 JUL	6	4.0	13:	7	14:	2	16:	1	17 JUL	3	6.0	13:	23	14:	106	20:	47
			50:	2								50:	13	54:	1	62:	67
11 JUL	3	4.0	13:	11	14:	67	20:	43	18 JUL	3	1.0	13:	2	14:	13	20:	2
			50:	31	54:	1	62:	96	19 JUL	3	6.0	13:	12	14:	39	16:	2

APPENDIX TABLE 20 (CONTINUED).

DATE	ZONE	HOURS FISHED	--- CATCH PER SPECIES ---				DATE	ZONE	HOURS FISHED	--- CATCH PER SPECIES ---					
19 JUL	3	6.0+	50:	12	62:	15	24 JUL	3	10.0+	14:	65	16:	8	17:	20
19 JUL	3	5.0	6:	1	7:	14	14:	38	20:	20	22:	1	24:	2	
			18:	1	20:	4	50:	41	25 JUL	3	2.0	6:	5	13:	3
			62:	26					17:	4	20:	6			
19 JUL	3	2.0	2:	1	13:	3	25 JUL	3	4.0	13:	14	14:	19	17:	2
19 JUL	2	2.0	20:	3	50:	6			20:	11	50:	3	54:	2	
20 JUL	3	12.0	13:	16	14:	11	16:	2	62:	12					
			17:	4	20:	27			25 JUL	3	3.0	14:	35	20:	7
20 JUL	3	6.0	6:	4	7:	1	13:	14	25 JUL	3	8.0	6:	1	13:	1
			14:	3	17:	3	20:	2			16:	1	17:	1	50:
			50:	4	62:	12					62:	1	71:	1	
20 JUL	3	3.0	13:	10	14:	18	20:	22	25 JUL	6	5.0	14:	32	17:	1
			50:	23	54:	2	62:	13			62:	4			50:
21 JUL	3	1.0	13:	2	14:	15	17:	1	26 JUL	3	5.0	6:	6	14:	4
			20:	2							50:	60	62:	50	20:
21 JUL	3	2.0	13:	5	14:	7	62:	3	26 JUL	3	5.0	13:	6	14:	12
21 JUL	3	5.0	6:	1	13:	6	14:	12			20:	31	50:	6	
			20:	4	50:	32	62:	41			62:	19			54:
21 JUL	3	2.0	20:	1	50:	27			27 JUL	2	2.5	6:	1	13:	4
21 JUL	2	4.0	13:	7							20:	28	50:	12	
22 JUL	2	3.0	14:	1	50:	8			27 JUL	3	6.0	6:	2	14:	6
22 JUL	3	1.0	13:	1							17:	7	20:	8	
22 JUL	3	6.0	6:	2	7:	12	13:	10			50:	15	62:	6	
			14:	38	17:	1	20:	20	28 JUL	3	7.0	13:	2	17:	1
			50:	42	62:	26					50:	110			20:
22 JUL	3	12.0	6:	4	13:	9	14:	7	28 JUL	2	8.0	1:	2	6:	11
			15:	1	16:	3	17:	5			13:	9	14:	3	
			20:	29	22:	1					17:	4	20:	7	
22 JUL	3	1.0	13:	9					28 JUL	3	5.0	6:	4	7:	1
23 JUL	3	6.0	13:	6	14:	67	16:	4			17:	1	20:	6	
			17:	1	20:	31	50:	17			62:	41			50:
			62:	23					28 JUL	3	2.0	13:	4		
23 JUL	3	8.0	6:	9	13:	26	14:	9	28 JUL	3	4.0	13:	6	14:	13
			20:	15							50:	11	54:	1	
23 JUL	2	3.5	6:	10	7:	32			28 JUL	3	2.0	2:	1	13:	3
23 JUL	2	6.0	13:	4	16:	1					50:	2	62:	1	
24 JUL	6	5.0	1:	1	6:	1	7:	1	28 JUL	3	8.0	1:	3	6:	14
			13:	1	14:	25	50:	15			13:	11	14:	34	
			62:	2	78:	1					17:	15	20:	20	
24 JUL	3	5.0	6:	1	14:	28	17:	1	29 JUL	3	0.5	13:	5		
			20:	2	50:	21	62:	6	29 JUL	3	5.0	13:	1	14:	14
24 JUL	6	8.0	14:	40	17:	3	20:	16			17:	2	20:	14	
24 JUL	3	5.0	6:	1	13:	11	14:	26			62:	72			50:
			20:	31	50:	13	54:	1	29 JUL	6	12.0	6:	4	13:	14
			62:	21							17:	5			14:
24 JUL	3	2.0	14:	20	20:	2	50:	6	29 JUL	3	8.0	13:	2	14:	3
24 JUL	3	10.0	1:	2	6:	20	13:	17			20:	12	42:	1	
															50:

APPENDIX TABLE 20 (CONTINUED).

DATE	ZONE	HOURS FISHED	-- CATCH PER SPECIES --				DATE	ZONE	HOURS FISHED	-- CATCH PER SPECIES --					
29 JUL	3	8.0+	70:	1			5 AUG	3	5.0+	20:	28	50:	14	62:	52
30 JUL	3	12.0	14:	14	17:	1	20:	25	5 AUG	6	3.0	13:	5	14:	16
			50:	20	54:	1	62:	12				50:	8	62:	20
			118:	1					5 AUG	3	5.5	1:	1	6:	3
30 JUL	2	4.0	6:	14	7:	50	12:	1				13:	4	14:	56
30 JUL	3	5.0	13:	2	14:	5	17:	1				17:	4	18:	1
			20:	1	50:	15	75:	1	6 AUG	6	2.0	14:	16	20:	13
30 JUL	3	1.0	13:	1								62:	8		
30 JUL	3	2.0	6:	2	14:	37	17:	2	6 AUG	3	5.0	6:	1	7:	2
			20:	15								14:	58	20:	31
31 JUL	3	12.0	1:	3	6:	8	13:	10				54:	2	62:	93
			14:	65	16:	7	17:	18	6 AUG	3	6.0	6:	2	13:	4
			20:	54	22:	1						17:	6	20:	19
31 JUL	3	0.5	14:	4	20:	3						62:	21		
31 JUL	3	5.0	12:	1	13:	12	14:	32	6 AUG	3	8.0	1:	4	13:	5
			17:	1	20:	32	50:	16				17:	6	24:	13
			62:	80					7 AUG	6	12.0	2:	3	12:	1
31 JUL	3	8.0	1:	29	3:	3	6:	18				14:	7	16:	2
			11:	1	24:	9						20:	15	24:	7
1 AUG	3	2.0	13:	2	14:	21	20:	30	7 AUG	3	1.0	14:	13	16:	1
			54:	4	62:	11						20:	4	50:	2
1 AUG	6	2.0	13:	2	14:	2	20:	2	7 AUG	3	5.0	6:	2	13:	1
			50:	2	62:	2						17:	1	20:	3
1 AUG	3	3.0	6:	4	14:	11	17:	4				62:	42		
			20:	9					7 AUG	3	4.0	6:	1	7:	1
2 AUG	3	6.0	1:	2	6:	6	8:	1				14:	28	20:	21
			14:	74	16:	1	17:	3				62:	42		
			20:	12					8 AUG	3	0.5	18:	10	62:	23
2 AUG	3	2.0	14:	5	16:	1	17:	1	8 AUG	3	4.0	14:	30	20:	17
			20:	3								62:	12		
2 AUG	3	5.0	6:	8	7:	3	14:	9	9 AUG	3	5.0	6:	4	14:	2
			20:	2	50:	4	62:	18				20:	14	50:	52
2 AUG	6	6.0	1:	2	14:	12	16:	1	9 AUG	3	4.0	13:	10	14:	18
			20:	11	50:	22						54:	1	62:	14
3 AUG	3	8.0	6:	2	14:	17	16:	1	10 AUG	3	4.0	13:	31	14:	63
			17:	1	20:	10						17:	2	20:	43
3 AUG	6	1.0	13:	2	14:	5	20:	2				54:	1	62:	121
3 AUG	3	3.0	6:	1	13:	20	54:	2	10 AUG	3	5.0	6:	1	13:	6
4 AUG	3	4.0	6:	2	13:	12	14:	21				16:	6	17:	2
			20:	26	54:	3	62:	31				50:	16	62:	42
4 AUG	3	12.0	1:	2	6:	7	13:	11	11 AUG	3	5.0	7:	6	13:	4
			14:	7	15:	3	16:	2				16:	1	20:	4
			17:	3	18:	1	20:	17				62:	14		
			24:	10					11 AUG	2	7.0	14:	15	16:	1
4 AUG	3	5.0	6:	1	14:	14	20:	2				20:	20		
			50:	46	62:	61			11 AUG	3	5.0	1:	1	7:	2
5 AUG	3	5.0	6:	1	13:	16	14:	4				14:	58	16:	2
												17:	2	17:	2

APPENDIX TABLE 20 (CONTINUED).

DATE	ZONE	HOURS FISHED	--- CATCH PER SPECIES ---			DATE	ZONE	HOURS FISHED	--- CATCH PER SPECIES ---		
11 AUG	3	5.0+	50: 111	54: 2	62: 163	20 AUG	3	8.0	6: 4	11: 2	13: 15
12 AUG	3	1.0	14: 4	62: 36					14: 46	20: 34	50: 18
12 AUG	2	2.5	6: 1	13: 2	14: 28				62: 12		
			16: 1	17: 2	50: 26	20 AUG	3	4.0	13: 6	14: 56	17: 2
			62: 32						20: 34	50: 13	62: 23
12 AUG	3	4.0	14: 30	20: 3	37: 1	20 AUG	3	4.0	14: 25	18: 1	20: 4
			50: 15	62: 10					24: 1	50: 12	62: 7
12 AUG	3	5.0	6: 5	13: 5	14: 5	21 AUG	3	5.0	6: 2	13: 4	14: 6
			16: 16	20: 1	22: 1				16: 3	20: 6	22: 1
			39: 1						50: 14	62: 52	
12 AUG	3	2.0	13: 12	14: 15	20: 11	21 AUG	3	1.0	6: 1	15: 1	17: 2
13 AUG	3	2.0	13: 2	14: 2	62: 2				50: 1		
13 AUG	2	2.5	6: 1	14: 14	16: 1	21 AUG	3	4.0	1: 3	6: 5	13: 4
			17: 3	50: 12	62: 6				14: 12	16: 2	17: 6
13 AUG	6	6.0	13: 16	14: 3	15: 2				18: 1	22: 2	
			16: 1	17: 3		22 AUG	3	4.0	13: 3	14: 67	20: 31
13 AUG	3	4.0	8: 1	14: 2	17: 2				50: 13	54: 1	62: 23
			20: 4	42: 1	50: 10	23 AUG	3	2.0	13: 2	14: 27	62: 21
			62: 3			23 AUG	3	5.0	13: 12	14: 42	16: 2
13 AUG	3	4.0	13: 2	14: 86	17: 1				17: 3	20: 28	50: 3
			20: 21	50: 6	62: 43				62: 8		
13 AUG	3	3.0	13: 2	14: 11	20: 1	24 AUG	3	4.0	13: 1	14: 22	20: 1
			50: 12	54: 1					50: 7	62: 3	
14 AUG	3	4.0	13: 2	14: 4	17: 1	25 AUG	3	4.0	13: 8	14: 93	20: 31
			20: 5	50: 12	54: 1				50: 2	62: 16	
			62: 5			25 AUG	3	5.0	6: 6	13: 3	14: 20
14 AUG	3	5.0	6: 2	13: 1	14: 14				16: 1	20: 14	50: 36
			17: 2	50: 19	62: 28				62: 42		
14 AUG	3	6.0	13: 18	14: 18	20: 12	25 AUG	3	4.0	14: 36	16: 2	20: 5
16 AUG	3	5.0	11: 1	14: 21	17: 1				50: 18	62: 11	
			20: 2	50: 70	62: 105	25 AUG	3	6.0	1: 6	11: 1	13: 4
18 AUG	3	5.0	5: 1	13: 1	14: 4				16: 17	17: 1	22: 1
			17: 3	20: 4	50: 58				54: 1	62: 3	
			62: 21			26 AUG	2	2.5	6: 1	13: 1	14: 16
19 AUG	2	5.0	6: 4	14: 20	16: 2				16: 1	24: 14	50: 28
			20: 4	50: 14	62: 32				62: 34		
19 AUG	3	12.0	1: 4	6: 13	13: 3	26 AUG	6	8.0	8: 5	13: 11	15: 7
			14: 11	16: 9	20: 16				16: 1	17: 5	20: 24
20 AUG	2	6.0	1: 1	14: 30	20: 35				24: 3		
20 AUG	3	2.0	6: 1	14: 3	20: 1	26 AUG	3	3.0	13: 13	14: 46	20: 26
			50: 9	62: 5					50: 3	54: 1	62: 4
20 AUG	3	5.0	6: 1	13: 2	14: 4	27 AUG	3	1.0	14: 6	20: 6	62: 1
			16: 1	17: 1	20: 6	27 AUG	3	4.0	14: 27	20: 12	50: 85
			50: 82	62: 80					54: 1	62: 120	
20 AUG	3	4.0	6: 1	13: 10	14: 2	27 AUG	3	6.0	6: 2	13: 4	14: 21
			16: 12	20: 2	50: 10				17: 4	50: 68	62: 50
			62: 15			27 AUG	3	4.5	1: 1	6: 4	7: 2

APPENDIX TABLE 20 (CONTINUED).

DATE	ZONE	HOURS FISHED	--- CATCH PER SPECIES ---					DATE	ZONE	HOURS FISHED	--- CATCH PER SPECIES ---						
27 AUG	3	4.5+	13:	5	14:	21	17:	3	5 SEP	2	2.0+	20:	2				
			18:	1	20:	9			6 SEP	3	6.0	2:	1	6:	2	13:	1
28 AUG	3	6.5	1:	1	6:	5	8:	1				14:	14	17:	3	20:	6
			13:	4	14:	30	16:	2				134:	1				
			17:	3	18:	1	20:	10	6 SEP	3	5.0	6:	3	13:	4	14:	4
28 AUG	3	5.0	6:	1	14:	6	16:	2				16:	1	20:	28	50:	36
			20:	12	50:	82	62:	105				62:	30				
30 AUG	6	6.0	1:	2	14:	14	20:	10	7 SEP	3	2.0	1:	2	14:	26	20:	4
			50:	12								62:	1				
31 AUG	3	1.0	13:	4	14:	21	20:	2	8 SEP	3	5.0	7:	4	13:	8	14:	67
1 SEP	3	1.0	14:	25								17:	4	20:	43	24:	6
1 SEP	6	3.0										42:	6	50:	31	62:	126
1 SEP	3	5.0	6:	3	13:	9	14:	12	8 SEP	3	8.0	13:	2	14:	30	16:	1
			17:	1	20:	14	50:	21				17:	1	20:	50	62:	50
			62:	60					8 SEP	3	5.0	6:	1	13:	2	14:	12
2 SEP	3	5.0	6:	2	13:	4	14:	1				20:	4	50:	52	62:	40
			24:	2	50:	28	62:	82	9 SEP	6	8.0	1:	3	6:	7	13:	6
2 SEP	3	8.0	2:	1	6:	2	11:	3				14:	9	15:	3	16:	1
			13:	5	16:	12	29:	1				17:	4	18:	3	20:	10
			50:	4	54:	1	62:	12	9 SEP	3	5.0	7:	2	13:	2	14:	41
2 SEP	3	5.0	14:	96	17:	1	20:	43				17:	1	20:	26	24:	2
			54:	1	62:	31						42:	1	50:	13	62:	56
2 SEP	3	11.0	6:	6	13:	8	14:	15	9 SEP	3	5.0	1:	1	2:	1	6:	4
			16:	17	17:	12	18:	4				13:	3	14:	22	17:	5
			20:	10								20:	10				
3 SEP	3	3.0	16:	3	17:	2	18:	1	10 SEP	3	6.0	8:	1	13:	27	14:	12
			19:	2								17:	4	20:	8		
3 SEP	3	4.0	1:	1	4:	2	7:	3	10 SEP	3	5.0	2:	1	7:	2	13:	3
			14:	56	20:	39	62:	67				14:	72	20:	56	24:	6
			75:	1								42:	1	62:	216		
3 SEP	3	4.0	13:	28	14:	28	20:	37	10 SEP	3	5.0	14:	27	20:	10	50:	17
3 SEP	3	2.0	13:	25	29:	1	54:	1				62:	21				
3 SEP	3	5.0	13:	14	14:	21	17:	2	10 SEP	3	9.0						
			20:	28	50:	52	62:	3	10 SEP	3	6.0	7:	4	13:	24	14:	13
4 SEP	3	3.0	6:	8	13:	28	14:	52				17:	1	20:	27	50:	6
			16:	14	17:	12	20:	8				62:	6	118:	1		
			24:	38	50:	200	62:	200	10 SEP	3	5.0	13:	4	14:	22	20:	26
4 SEP	3	3.5	6:	4	7:	4	11:	1				62:	12				
			13:	12	14:	13	20:	8	11 SEP	3	5.0	6:	2	13:	2	14:	10
			62:	8								17:	1	20:	4	50:	38
4 SEP	3	1.0	14:	31	20:	19	62:	5				62:	72				
4 SEP	3	1.0	13:	2	14:	1	62:	17	11 SEP	3	5.0	6:	2	13:	4	14:	157
5 SEP	3	6.0	24:	2								20:	121	37:	1	50:	31
5 SEP	3	3.0	13:	18								62:	130				
5 SEP	3	5.0	6:	1	14:	12	16:	2	11 SEP	3	7.5	1:	2	6:	6	8:	1
			20:	14	50:	32	62:	80				13:	1	14:	15	16:	25
5 SEP	2	2.0	13:	3	14:	1	17:	1				17:	9	18:	3	20:	6

APPENDIX TABLE 20 (CONTINUED).

DATE	ZONE	HOURS FISHED	--- CATCH PER SPECIES ---				DATE	ZONE	HOURS FISHED	--- CATCH PER SPECIES ---			
12 SEP	3	3.0	13: 2	14: 10	16: 5	18 SEP	3	4.0+	14: 46	17: 1	20: 65		
			17: 4	22: 1					50: 13	62: 31			
13 SEP	3	5.0	14: 28	20: 1	50: 12	18 SEP	3	5.0	6: 2	14: 14	17: 1		
			62: 14						20: 32	24: 2	50: 40		
14 SEP	3	8.0							62: 3				
14 SEP	3	5.0	6: 2	14: 60	20: 6	18 SEP	3	3.0	7: 1	13: 10	14: 1		
			50: 14	62: 17					20: 22	50: 18	62: 6		
15 SEP	3	4.0	6: 6	13: 38	14: 12	18 SEP	2	5.0	14: 97	20: 16			
			16: 14	17: 8	20: 26	18 SEP	3	12.0	13: 6	14: 7	17: 5		
			22: 2	37: 3	50: 128	19 SEP	3	3.0	1: 3	13: 4	54: 2		
			62: 280						75: 1				
15 SEP	3	5.0	6: 3	14: 25	20: 12	19 SEP	3	2.0	7: 2	13: 2	14: 23		
			50: 26	62: 21					50: 2	62: 12			
15 SEP	3	1.5	13: 14	90: 1		19 SEP	3	2.0	16: 1	17: 2			
15 SEP	3	4.0	13: 3	14: 30	17: 2	20 SEP	3	4.0	7: 12	13: 6	14: 52		
			20: 3	50: 3	54: 1				20: 43	42: 2	50: 3		
			62: 10						62: 13	118: 1			
15 SEP	3	4.0	1: 1	6: 4	13: 15	20 SEP	3	6.0	13: 2	14: 40	20: 20		
			14: 1	17: 4	20: 5				50: 5	62: 25			
16 SEP	3	4.0	6: 3	7: 8	11: 2	22 SEP	3	5.0	14: 8	16: 2	20: 19		
			13: 8	14: 58	17: 3				50: 28	62: 50			
			20: 12	57: 6		23 SEP	3	9.0					
16 SEP	3	2.0	14: 31	62: 150		23 SEP	3	1.0	14: 16	20: 4			
16 SEP	3	1.5	13: 8			24 SEP	3	0.5	13: 3	14: 4	50: 1		
16 SEP	6	8.0	1: 7	13: 6	14: 7	24 SEP	3	5.0	6: 12	11: 1	13: 42		
			17: 6	18: 1					14: 80	16: 6	17: 10		
17 SEP	2	8.0	1: 2	6: 5	13: 1				20: 2	22: 1	24: 52		
			14: 100	20: 6					49: 2	50: 80	62: 350		
17 SEP	3	4.0	7: 1	13: 3	14: 12	24 SEP	3	10.0	1: 16	6: 7			
			20: 22	54: 12		24 SEP	3	4.0	7: 6	13: 38	14: 12		
17 SEP	3	8.0	6: 2	13: 4	14: 28				20: 9				
			16: 2	17: 2	20: 28	25 SEP	3	5.0	6: 4	14: 3	16: 1		
			24: 2	37: 1	50: 105				20: 2	50: 20	62: 14		
			62: 86			25 SEP	3	4.0	13: 3	14: 47	20: 39		
17 SEP	3	6.0	6: 4	13: 6	14: 10				50: 4	54: 1	62: 31		
			16: 7	20: 5	50: 12	26 SEP	2	4.0	6: 1	13: 12	14: 1		
			62: 20						16: 2	17: 1	20: 42		
17 SEP	3	5.0	7: 4	13: 16	14: 28				50: 21	62: 6			
			20: 46	24: 7	50: 36	27 SEP	3	5.0	7: 6	13: 1	14: 36		
			62: 63						16: 1	17: 2	20: 9		
17 SEP	3	5.5	1: 1	2: 1	6: 6				50: 52	62: 40			
			13: 31	14: 8	17: 1	27 SEP	3	5.0	13: 26	14: 1	20: 7		
			20: 5						50: 20				
18 SEP	3	10.0	1: 1	6: 4	13: 12	27 SEP	3	8.0	6: 1	7: 3	13: 7		
			14: 16	16: 8	17: 11				14: 93	16: 4	17: 1		
			18: 2	20: 12					20: 103	50: 18	54: 1		
18 SEP	3	4.0	6: 1	7: 4	13: 9				62: 56				

APPENDIX TABLE 20 (CONTINUED).

DATE	ZONE	HOURS FISHED	-- CATCH PER SPECIES --				DATE	ZONE	HOURS FISHED	-- CATCH PER SPECIES --							
27 SEP	3	4.0	7:	4	13:	3	14:	26	4 OCT	3	5.0	6:	2	13:	15	14:	52
			17:	2	62:	10						17:	1	20:	56	42:	4
28 SEP	3	8.0	13:	8	14:	127	16:	5				54:	4	62:	33		
			17:	3	20:	96	50:	3	4 OCT	3	8.0	13:	5	14:	34	17:	3
			62:	31								20:	53	42:	1	50:	4
29 SEP	3	5.0	14:	12	16:	3	20:	28				62:	17				
			50:	46	62:	60			5 OCT	3	6.0	13:	5	14:	93	20:	67
30 SEP	3	6.0	6:	1	13:	14	14:	32				42:	6	50:	13	54:	1
			16:	2	17:	4	20:	26				62:	85				
			23:	1	50:	42	62:	65	6 OCT	3	5.0	2:	2	13:	6	14:	47
30 SEP	3	8.0	1:	3	6:	6	13:	4				17:	1	20:	75	42:	2
			17:	5	18:	1						54:	1	62:	51		
30 SEP	3	4.0	13:	8	14:	31	17:	1	6 OCT	3	5.0	13:	1	14:	30	16:	1
			20:	23	50:	2	62:	46				17:	1	20:	3	50:	10
30 SEP	3	7.0	13:	5	14:	60	16:	1				62:	20				
			17:	1	20:	75	62:	50	7 OCT	3	2.5	2:	1	20:	26	50:	12
1 OCT	3	8.0	14:	12	15:	1	17:	1	7 OCT	6	4.0	13:	1	14:	1	20:	2
			50:	14	62:	20						50:	10	62:	2		
1 OCT	6	10.0	6:	1	7:	6	14:	15	7 OCT	6	8.0	1:	1	13:	3	14:	4
			16:	1	17:	4	20:	18				16:	2	20:	10		
			50:	14	62:	5			7 OCT	3	4.0	13:	3	14:	64	17:	1
1 OCT	3	5.0	13:	3	14:	4	16:	3				20:	46	42:	1	62:	37
			20:	21	50:	40	62:	26	8 OCT	3	5.0	7:	6	13:	9	14:	46
1 OCT	3	4.0	8:	2	14:	14	16:	2				16:	1	17:	1	20:	54
			20:	16	50:	18	62:	20				42:	1	50:	18	62:	75
1 OCT	3	6.0	7:	1	13:	4	14:	5	8 OCT	3	7.0	13:	22	14:	33	20:	70
			17:	2	20:	76	50:	5				42:	2	50:	6	62:	20
			54:	1	62:	24			8 OCT	2	9.0	14:	25	20:	13		
1 OCT	3	4.0	13:	15	17:	2	20:	19	8 OCT	3	4.0	14:	2	15:	1	17:	1
			50:	3								20:	4	62:	8		
2 OCT	3	6.0	6:	1	13:	10	14:	6	8 OCT	3	5.0	6:	1	13:	2	14:	21
			20:	1	50:	12						16:	1	20:	6	50:	12
2 OCT	3	5.0	13:	2	14:	1	16:	2				62:	9				
			17:	5	20:	2	50:	30	8 OCT	2	4.0	14:	49	20:	5	50:	10
			62:	12								62:	25				
2 OCT	2	7.0	14:	37	20:	17			8 OCT	3	10.0	50:	80				
2 OCT	3	5.0	13:	19	14:	43	17:	3	8 OCT	3	7.0	14:	46	16:	6	17:	3
			20:	31	42:	2	50:	16				18:	4	28:	50	85:	35
			54:	3	62:	66			9 OCT	3	3.0	1:	1	14:	23	16:	1
3 OCT	6	6.5	6:	1	14:	12	17:	2				17:	1	19:	2	20:	4
			20:	13	50:	19						28:	29	85:	12	118:	1
3 OCT	3	5.0	13:	2	14:	16	16:	1	9 OCT	3	2.0	14:	3	20:	4	50:	9
			20:	14	42:	9	50:	21				62:	5	118:	2		
			62:	20					9 OCT	3	5.0	6:	2	13:	2	14:	21
4 OCT	3	5.0	6:	3	14:	1	16:	9				16:	1	17:	1	20:	12
			20:	3	50:	28	62:	32				50:	20	62:	42		
4 OCT	6	6.0	13:	1	14:	2			9 OCT	3	7.0	6:	1	7:	2	11:	3

APPENDIX TABLE 20 (CONTINUED).

DATE	ZONE	HOURS FISHED	--- CATCH PER SPECIES ---				DATE	ZONE	HOURS FISHED	--- CATCH PER SPECIES ---			
9 OCT	3	7.0+	13: 4	17: 3	20: 8	18 OCT	3	5.0+	17: 5	20: 46	37: 1		
			23: 1	50: 15	54: 3				42: 1	50: 2	62: 61		
			75: 1			19 OCT	3	5.0	13: 6	14: 25	17: 3		
9 OCT	2	5.0	14: 27	20: 18					20: 8	42: 2	50: 1		
9 OCT	6	3.0	13: 14	14: 2	20: 6				62: 15				
			62: 1			19 OCT	3	5.0	6: 1	11: 2	13: 2		
9 OCT	3	4.0	2: 1	13: 1	14: 41				14: 12	16: 1	20: 26		
			20: 38	50: 1	62: 36				62: 26				
10 OCT	3	4.0	14: 3	17: 1	20: 11	21 OCT	3	3.0	20: 44	50: 16	62: 6		
			50: 21	62: 15		21 OCT	2	3.0	15: 14	20: 4	50: 4		
12 OCT	3	2.0	16: 1	20: 4	50: 15				62: 12				
			62: 2			22 OCT	3	5.0	13: 17	14: 4	20: 10		
12 OCT	3	4.0	6: 1	13: 2	14: 2				50: 8				
12 OCT	3	4.0	1: 1	2: 2	13: 3	22 OCT	3	8.0	14: 2	15: 1	17: 1		
			14: 76	17: 1	20: 26				36: 3	50: 20	62: 15		
			50: 2	62: 35		22 OCT	3	5.0	6: 2	13: 4	14: 66		
13 OCT	3	5.0	6: 1	7: 4	13: 6				20: 23	50: 6	62: 41		
			14: 51	16: 2	20: 14	22 OCT	3	7.0	5: 1	13: 1	14: 21		
			50: 15	62: 30					19: 3	20: 5	50: 11		
14 OCT	3	6.0	6: 3	7: 4	13: 5				118: 1				
			14: 70	16: 1	17: 2	23 OCT	3	5.0	6: 2	13: 2	14: 93		
			20: 10	50: 8	62: 8				20: 67	37: 1	42: 1		
			118: 1						50: 3	54: 1	62: 41		
14 OCT	3	2.0	13: 2	20: 17	50: 8	23 OCT	2	3.0	14: 4	20: 8			
14 OCT	3	1.0	13: 1	14: 13	20: 2	24 OCT	3	5.0	6: 3	14: 18	17: 1		
			42: 1	50: 6	62: 2				20: 13				
15 OCT	3	5.0	13: 15	14: 66	17: 1	25 OCT	3	2.0	14: 25	20: 2	62: 32		
			20: 52	42: 3	50: 23	25 OCT	3	7.0	13: 12	14: 135	17: 1		
			62: 46						20: 100	50: 20	62: 46		
15 OCT	3	5.0	13: 8	14: 7	17: 1	28 OCT	3	6.0	5: 1	14: 50	17: 3		
			20: 12	62: 45					20: 20	50: 3	62: 10		
15 OCT	3	6.0	6: 1	14: 6	17: 2	29 OCT	3	5.0	14: 7	17: 1	20: 11		
			20: 4	50: 42	62: 21				36: 3				
15 OCT	3	4.0	6: 1	11: 1	13: 2	29 OCT	3	2.0	17: 2	20: 1	50: 5		
			14: 26	16: 1	17: 1				62: 15				
			20: 7	50: 8	62: 13	29 OCT	3	7.0	6: 2	13: 2	14: 28		
15 OCT	2	7.0	7: 1	14: 32	20: 28				20: 41	50: 3	62: 21		
15 OCT	3	8.0	14: 5	15: 1	17: 6	29 OCT	3	6.0	7: 1	13: 13	16: 1		
			20: 10	50: 15	62: 10				17: 1	23: 1	62: 15		
15 OCT	3	8.0	15: 1	50: 92		29 OCT	3	4.0	14: 23	20: 9	50: 11		
16 OCT	2	7.0	14: 32	20: 40					62: 14				
16 OCT	4	3.0	14: 36	17: 1	20: 5	29 OCT	3	7.0	1: 1	13: 1	14: 10		
			50: 6	62: 16					16: 7	17: 2	18: 2		
16 OCT	3	6.0	13: 22	14: 123	20: 78				20: 4	50: 6			
			42: 1	50: 73	62: 46	30 OCT	3	5.0	6: 1	7: 1	14: 5		
17 OCT	3	1.0	14: 1	15: 1	20: 5				20: 34	24: 1	50: 41		
18 OCT	3	5.0	6: 1	13: 2	14: 152				62: 15				

APPENDIX TABLE 20 (CONTINUED).

DATE	ZONE	HOURS FISHED	--- CATCH PER SPECIES ---			DATE	ZONE	HOURS FISHED	--- CATCH PER SPECIES ---		
30 OCT	3	2.0	17:	9	20:	2	50:	2			
30 OCT	3	5.0	6:	1	13:	14	14:	78			
			17:	1	20:	43	54:	3			
			62:	56							
2 NOV	3	3.0	13:	3	14:	21	62:	31			
3 NOV	3	3.0	14:	14	20:	1	50:	2			
			62:	31							
4 NOV	3	7.0	12:	4	14:	52	20:	20			
			50:	1	62:	25					
5 NOV	3	5.0	13:	21	14:	77	17:	1			
			20:	45	54:	3	62:	86			
5 NOV	3	8.0	14:	12	17:	4	20:	10			
			50:	15	62:	20					
5 NOV	6	8.0	1:	2	8:	8	13:	11			
			14:	3							
5 NOV	6	4.0	14:	2	20:	12	50:	8			
			54:	4	62:	7					
5 NOV	3	5.5	16:	8	20:	6	23:	1			
			24:	6							
6 NOV	3	5.0	13:	16	14:	43	20:	23			
			62:	52							
9 NOV	3	8.0	13:	4	14:	73	17:	3			
			20:	80	42:	1	50:	2			
			62:	33							
11 NOV	3	12.0	8:	1	13:	5	14:	8			
			17:	2	50:	20	62:	25			
12 NOV	3	7.0	6:	1	13:	21	14:	241			
			20:	161	62:	78					
12 NOV	3	5.5	13:	8	17:	4	20:	6			
			54:	15							
13 NOV	3	5.0	2:	2	6:	1	13:	16			
			14:	146	16:	1	17:	1			
			20:	41	54:	1	62:	82			
18 NOV	3	7.0	13:	1	14:	56	17:	3			
			20:	15	42:	1	50:	2			
			62:	13							
20 NOV	3	4.0	13:	1	14:	35	20:	3			
			62:	13							
22 NOV	6	7.0	14:	15	20:	15	50:	25			
			62:	20							
22 NOV	6	4.0	14:	2	17:	5	20:	6			
			50:	6	62:	5					
25 NOV	4	4.0	2:	1							
29 NOV	6	8.0	13:	1	14:	50	20:	21			
			54:	2	62:	73					

APPENDIX TABLE 21. LOGGED 1983 TROLLING CATCH AND EFFORT FROM ALABAMA

DATE	ZONE	HOURS FISHED	-- CATCH PER SPECIES --				DATE	ZONE	HOURS FISHED	-- CATCH PER SPECIES --							
10 APR	2	2.0					29 MAY	6	3.0	7:	3	8:	8				
10 APR	2	5.0					29 MAY	2	5.0	1:	7	3:	26				
11 APR	2	4.0					30 MAY	6	5.0	6:	12						
12 APR	6	2.0					30 MAY	6	2.0	1:	1	6:	1	7:	5		
19 APR	2	2.0	28:	1						8:	10	12:	1				
25 APR	2	9.0					31 MAY	6	3.0	6:	8	7:	5	8:	25		
26 APR	2	9.0	8:	1			31 MAY	6	5.0	6:	15						
26 APR	2	2.0	2:	1	3:	2	12:	1	1 JUN	6	5.0	6:	24				
			14:	16					1 JUN	2	2.0	1:	2	3:	1	7:	2
27 APR	2	2.0	3:	50	14:	15					8:	26					
27 APR	2	9.0	3:	17				2 JUN	6	3.0	3:	2	7:	2	8:	8	
30 APR	2	9.0	3:	26	12:	1		2 JUN	6	5.0	2:	1	3:	1	6:	10	
1 MAY	2	5.0	3:	20	12:	1		3 JUN	6	6.0	6:	6	12:	1			
2 MAY	3	4.0	6:	1				3 JUN	2	9.0	1:	13	3:	37	6:	2	
5 MAY	3	4.0	6:	1							7:	26					
6 MAY	1	6.0	2:	1	3:	1		3 JUN	6	3.0	2:	1	3:	3	7:	2	
6 MAY	2	2.0	2:	1	3:	10	5:	4			8:	16	13:	10			
			12:	1	13:	1			4 JUN	6	3.0	3:	4	8:	10		
7 MAY	2	5.0	3:	1				4 JUN	2	5.0	1:	2	3:	16	6:	4	
8 MAY	2	5.0	3:	11	5:	1	7:	1	4 JUN	2	5.0	3:	4	6:	3	12:	2
9 MAY	5	6.0	3:	1	6:	1			5 JUN	2	5.0	1:	3	3:	28	6:	3
12 MAY	4	6.0	3:	4							7:	15					
12 MAY	2	2.0	3:	6				5 JUN	2	3.0	6:	1	7:	1	8:	21	
13 MAY	1	6.0	6:	1	102:	4		6 JUN	6	3.0	6:	1	7:	2	8:	26	
13 MAY	2	2.0	20:	1				6 JUN	2	5.0	1:	2	3:	11	6:	3	
14 MAY	5	6.0	3:	1	6:	7					7:	6					
16 MAY	2	5.0	3:	4	6:	4	7:	6	6 JUN	6	5.0	3:	1	6:	1	7:	6
			12:	1							9:	1	12:	1			
16 MAY	2	5.0	3:	3	7:	3			7 JUN	2	5.0	3:	3	6:	18	7:	20
17 MAY	2	4.0	3:	2	6:	2	17:	1	8 JUN	6	5.0	3:	1	6:	12		
23 MAY	6	5.0	1:	1	3:	1	6:	8	8 JUN	2	5.0	1:	2	3:	11	6:	2
			7:	1							7:	13					
24 MAY	6	5.0	6:	20					8 JUN	6	3.0	3:	2	6:	3	8:	1
24 MAY	2	5.0	3:	6	6:	3	7:	4	9 JUN	2	9.0	1:	1	3:	9	5:	2
			12:	2							6:	11	7:	12	8:	6	
24 MAY	6	3.0	6:	2	7:	1	8:	2			24:	1					
25 MAY	6	3.0	2:	1	7:	2	8:	15	9 JUN	6	5.5	3:	8	6:	16	7:	10
25 MAY	6	5.0	6:	12					10 JUN	6	6.0	3:	7	6:	7		
26 MAY	6	5.0	6:	15	13:	5			10 JUN	2	9.0	1:	1	3:	5	6:	5
26 MAY	6	3.0	4:	1	8:	10					7:	30	9:	2			
27 MAY	6	2.0	3:	2	7:	2	8:	8	10 JUN	6	3.0	3:	2	5:	3	7:	6
27 MAY	2	4.0	3:	1	6:	6					8:	7					
28 MAY	2	4.0	3:	5	6:	6	13:	8	11 JUN	2	1.0	7:	6				
28 MAY	2	8.0	1:	3	3:	39	5:	1	11 JUN	2	2.0	7:	10				
			7:	10	8:	3	9:	12	12 JUN	2	2.0	3:	1	7:	4		
28 MAY	6	3.0	2:	1	3:	4	6:	8	13 JUN	2	6.0	3:	5	6:	9	7:	10
			7:	20	8:	6			14 JUN	2	2.0	3:	2	7:	5		

APPENDIX TABLE 21 (CONTINUED).

DATE	ZONE	HOURS FISHED	— CATCH PER SPECIES —				DATE	ZONE	HOURS FISHED	— CATCH PER SPECIES —					
15 JUN	3	6.0	6:	5	7:	1	5 JUL	2	4.0	1:	1	6:	10	7:	2
15 JUN	2	5.0	3:	26	7:	32			13:	4					
15 JUN	6	3.0	3:	3	7:	6	5 JUL	6	2.0	1:	1	3:	6	7:	4
			12:	2					8:	6					
16 JUN	6	3.0					6 JUL	2	3.0	8:	2				
16 JUN	2	5.0	3:	28	7:	15	6 JUL	6	4.5	6:	1	13:	3		
16 JUN	6	5.0	3:	6	6:	2	7:	5	6 JUL	2	5.0	1:	5	3:	3
17 JUN	6	5.0	6:	6			7:	5	6 JUL	2	5.0	1:	11	3:	1
17 JUN	2	5.0	1:	1	3:	52	7:	18	7 JUL	2	6.0	1:	12	2:	1
			9:	4	11:	1			7 JUL	6	3.0	1:	1	3:	1
17 JUN	6	3.0	3:	6	8:	6					8:	1			
18 JUN	2	5.0	1:	5	3:	13	5:	1	8 JUL	2	3.0	3:	28		
			6:	2	7:	12	9:	1	8 JUL	2	4.0	3:	56	6:	4
			11:	1					8 JUL	2	5.0	1:	1	2:	1
18 JUN	6	5.0	6:	1							7:	3	3:	63	
19 JUN	2	5.0	3:	2	6:	6	13:	8	9 JUL	2	5.0	1:	5	3:	9
19 JUN	2	1.0	3:	1	5:	1	7:	2	9 JUL	2	6.0	6:	17	7:	1
20 JUN	2	2.0	3:	2	7:	1			9 JUL	6	3.0	3:	2	20:	1
22 JUN	6	3.0	3:	2	8:	4			10 JUL	6	3.0	1:	1	3:	4
23 JUN	6	3.0	3:	5	7:	6	8:	2	10 JUL	2	5.0	1:	2	3:	3
24 JUN	2	2.0	7:	6							8:	3			
24 JUN	2	1.0	6:	2					11 JUL	2	5.0	1:	12	3:	15
25 JUN	2	4.0	3:	1	6:	7			11 JUL	6	3.0	3:	8	8:	4
26 JUN	2	4.0	3:	3	5:	8	7:	3	12 JUL	6	3.0	1:	1	3:	3
			9:	5					12 JUL	2	9.0	1:	10	2:	2
26 JUN	6	3.0	3:	1	7:	2	8:	5			6:	1	7:	6	
27 JUN	2	5.0	3:	6	5:	5	7:	7	13 JUL	3	5.0	7:	6	13:	6
			9:	1					13 JUL	6	6.0	1:	5	3:	8
27 JUN	2	5.0	3:	5	5:	10	6:	2	14 JUL	6	4.0	3:	3	8:	10
			13:	3							24:	1	12:	1	
28 JUN	6	6.0	8:	6	13:	4			14 JUL	3	5.0	1:	2	6:	14
29 JUN	2	3.0	1:	1	6:	2					13:	8	24:	1	
29 JUN	6	2.0	7:	3	8:	2			15 JUL	3	5.0	6:	15	7:	6
30 JUN	2	2.0	1:	2	3:	1	7:	4			24:	1	13:	12	
			8:	2					15 JUL	2	5.0	1:	12	3:	2
1 JUL	6	3.0	7:	3					16 JUL	2	9.0	1:	18	2:	1
1 JUL	6	6.0	13:	17							6:	1	12:	2	
1 JUL	2	3.0	1:	1	3:	5	5:	1	16 JUL	3	5.0	1:	2	6:	20
			7:	13					17 JUL	2	5.0	1:	3	3:	6
2 JUL	2	5.0	1:	5	3:	4	7:	14	17 JUL	6	3.0	3:	1	8:	1
			9:	1					18 JUL	6	3.0	1:	4	3:	1
2 JUL	3	5.0	6:	1	13:	12			18 JUL	2	5.0	1:	4	2:	1
2 JUL	6	3.0	1:	2	2:	1	3:	6			6:	15	7:	4	
			5:	1	7:	6			18 JUL	2	4.0	1:	16	3:	3
3 JUL	2	5.0	3:	31	5:	2	7:	2	19 JUL	2	4.0	1:	12	3:	2
4 JUL	2	5.0	3:	26	5:	2	7:	17	19 JUL	6	3.0	1:	5	3:	3
5 JUL	2	5.0	1:	3	3:	3	7:	12			119:	1	8:	12	

APPENDIX TABLE 21 (CONTINUED).

DATE	ZONE	HOURS FISHED	--- CATCH PER SPECIES ---				DATE	ZONE	HOURS FISHED	--- CATCH PER SPECIES ---			
20 JUL	6	3.0	1: 4	3: 1	8: 14	6 AUG	6	6.0+	24: 1				
			12: 1			6 AUG	6	3.0	1: 1	6: 4	13: 1		
20 JUL	2	5.0	1: 7	2: 1	3: 9				24: 1				
			6: 5	7: 3	9: 1	7 AUG	6	3.0	3: 1	6: 2			
21 JUL	2	5.0	1: 11	3: 4	6: 3	7 AUG	2	5.0	1: 5	3: 3	4: 1		
			7: 1						6: 2	7: 2			
21 JUL	2	6.0	1: 15	3: 2	6: 13	8 AUG	2	5.0	1: 7	3: 10	6: 1		
			13: 4						7: 5	9: 1			
21 JUL	6	3.0	1: 10	7: 4	8: 12	8 AUG	6	3.0	1: 3	3: 7	6: 12		
22 JUL	6	3.0	1: 1	7: 2	8: 4	9 AUG	6	3.0	1: 4	2: 3	6: 5		
22 JUL	2	6.0	1: 8	2: 1	3: 4				9: 1				
			6: 10	13: 4		9 AUG	6	5.0	1: 4	2: 1	3: 2		
22 JUL	2	5.0	1: 1	3: 3	6: 2				6: 8	7: 4			
23 JUL	2	5.0	1: 5	3: 2	6: 1	10 AUG	6	6.0	1: 9	3: 2	6: 6		
23 JUL	6	6.0	1: 1	6: 16		10 AUG	6	3.0	1: 4	3: 2	6: 4		
23 JUL	6	3.0	1: 8	8: 6		11 AUG	6	3.0	1: 2	6: 8			
24 JUL	6	3.0	1: 1	8: 8		11 AUG	2	4.0	1: 1	6: 4			
25 JUL	2	3.0	1: 1	2: 4	3: 1	11 AUG	2	5.0	1: 7	3: 1	6: 1		
			8: 2						8: 1	12: 1			
25 JUL	2	4.0	1: 1	6: 8		12 AUG	2	5.0	1: 5	3: 4			
25 JUL	2	3.0	1: 1	7: 1		12 AUG	2	7.0	1: 1	3: 1	6: 8		
26 JUL	2	5.0	1: 5	3: 3	5: 1				7: 2	13: 3			
			6: 1	7: 1		12 AUG	2	2.0	2: 1	6: 1			
26 JUL	6	5.0	6: 4			13 AUG	6	3.0	1: 3	6: 8			
26 JUL	2	5.0	1: 2	2: 1	3: 2	13 AUG	3	6.0	1: 1	3: 1			
			8: 2			13 AUG	2	5.0	1: 4	3: 2	8: 1		
27 JUL	6	3.0	1: 4	3: 6	8: 8				78: 1				
27 JUL	6	4.5	6: 8	7: 4		14 AUG	2	5.0	1: 3	2: 2	3: 1		
27 JUL	2	5.0	1: 6	3: 3	6: 3	14 AUG	6	3.0	3: 1	6: 1			
28 JUL	2	2.0	1: 3	6: 3		15 AUG	2	2.0	1: 1	2: 1	3: 1		
29 JUL	2	5.0	1: 4	2: 1	6: 3				6: 6				
30 JUL	2	4.0	2: 1	6: 3		15 AUG	2	5.0	1: 9	3: 5	7: 8		
2 AUG	6	6.0	3: 3	6: 20	7: 3	15 AUG	2	5.0	1: 3	3: 2	6: 25		
			22: 1						22: 1				
2 AUG	2	5.0	1: 1	3: 4	6: 1	16 AUG	6	4.5	1: 1	3: 2	6: 20		
			9: 1	36: 1					11: 1				
3 AUG	2	2.0	3: 1	6: 1		16 AUG	2	5.0	1: 2	3: 7	7: 4		
4 AUG	2	5.0	1: 2	3: 10	6: 2				9: 1				
			7: 6	9: 1		16 AUG	2	2.0	1: 1	3: 1	6: 1		
4 AUG	3	7.0	6: 15	7: 2		17 AUG	6	5.0	1: 3	2: 1	3: 5		
4 AUG	6	3.0	3: 1	8: 1					5: 2	6: 23	7: 5		
5 AUG	6	3.0	2: 1	8: 1		18 AUG	6	5.0	1: 1	6: 15	7: 2		
5 AUG	6	2.0	1: 7	3: 5	6: 6	18 AUG	2	5.0	1: 3	3: 30	7: 4		
5 AUG	2	5.0	1: 3	3: 3	6: 1				36: 1				
			12: 5			18 AUG	6	2.0	1: 2	3: 2	7: 3		
6 AUG	2	5.0	1: 7	3: 1	6: 1				24: 1				
6 AUG	6	6.0	1: 9	3: 1	6: 15	19 AUG	6	2.0	1: 4	3: 1	6: 2		

APPENDIX TABLE 21 (CONTINUED).

DATE	ZONE	HOURS FISHED	--- CATCH PER SPECIES ---			DATE	ZONE	HOURS FISHED	--- CATCH PER SPECIES ---		
19 AUG	2	5.0	1: 2	3: 26	7: 3	9 SEP	2	5.0+	7: 1	9: 1	
19 AUG	6	6.0	6: 12	7: 2		9 SEP	3	5.0	3: 20	6: 11	7: 4
20 AUG	6	5.0	1: 4	3: 42	6: 10	9 SEP	6	2.0	1: 1	6: 10	
			7: 5			10 SEP	3	5.0	1: 2	3: 1	6: 10
20 AUG	2	9.0	1: 4	3: 65	5: 1				24: 1		
			7: 1	12: 1		10 SEP	2	5.0	1: 2	3: 20	5: 6
20 AUG	6	2.0	1: 2	3: 2	6: 1				6: 1	9: 6	
21 AUG	6	2.0	7: 1			11 SEP	2	3.0	3: 52	5: 9	6: 1
21 AUG	2	5.0	1: 1	3: 75	5: 6				7: 4	9: 1	
			7: 2			13 SEP	2	4.0	1: 5	3: 10	
22 AUG	6	2.0	1: 5	2: 1	3: 2	14 SEP	6	4.0	3: 3	6: 11	
23 AUG	6	2.0	1: 3	2: 1	3: 2	14 SEP	2	5.0	1: 1	3: 41	5: 3
			6: 5						7: 3	9: 1	
23 AUG	2	5.0	1: 7	3: 96	7: 9	14 SEP	6	2.0	1: 6	6: 2	
			9: 3			15 SEP	6	2.0	1: 7	3: 2	6: 11
24 AUG	2	5.0	1: 2	3: 40	5: 3	15 SEP	2	3.0	1: 6	3: 13	
			6: 1	7: 6		16 SEP	6	2.0	1: 1	3: 1	6: 14
24 AUG	6	2.0	3: 4	6: 2					7: 2		
25 AUG	2	6.0	1: 2	3: 10	6: 8	17 SEP	6	2.0	1: 4	3: 2	6: 11
26 AUG	2	5.0	1: 1	3: 21	5: 1				7: 3		
			7: 7			17 SEP	2	8.0	1: 39	3: 8	6: 1
27 AUG	2	4.0	1: 1	6: 5	7: 2	17 SEP	6	4.5	1: 2	3: 3	6: 14
28 AUG	2	5.0	1: 1	3: 31	6: 2				7: 1	24: 1	
			7: 4			18 SEP	2	5.0	1: 2	3: 18	6: 2
28 AUG	6	2.0	1: 3	6: 10	7: 2	19 SEP	2	3.0	1: 1	3: 6	6: 4
29 AUG	6	2.0	1: 2	6: 7	7: 2	20 SEP	6	4.0	1: 2	3: 1	6: 8
30 AUG	6	2.0	1: 4	6: 8					7: 2		
31 AUG	6	2.0	1: 8	6: 9		21 SEP	2	5.0	1: 1	3: 35	6: 1
1 SEP	2	4.0	1: 1	2: 1	3: 2	23 SEP	6	5.0	3: 30	5: 2	6: 1
			6: 11	13: 2		24 SEP	6	3.0	3: 1	6: 2	
2 SEP	2	5.0	3: 125	5: 5	7: 12	24 SEP	2	3.0	3: 3		
			36: 1			27 SEP	2	3.0			
2 SEP	6	2.0	1: 1	6: 8		29 SEP	6	2.0	3: 1		
3 SEP	6	2.0	1: 1	6: 1		30 SEP	6	2.0	6: 8		
3 SEP	2	5.0	1: 4	3: 42	5: 9	1 OCT	6	2.0	6: 10	13: 1	
			9: 1			1 OCT	6	5.0	1: 2	6: 20	
3 SEP	2	5.5	1: 5	3: 16	6: 6	2 OCT	6	2.0	6: 2		
4 SEP	6	4.5	2: 2	3: 1	6: 15	3 OCT	6	2.0	6: 4		
			7: 4			3 OCT	6	4.0	6: 6		
4 SEP	6	2.0	1: 1	3: 1	6: 6	3 OCT	2	5.0	1: 1	3: 16	6: 4
			7: 3			4 OCT	6	2.0	1: 1	2: 1	6: 1
5 SEP	6	2.0	1: 2	3: 1	6: 6	5 OCT	2	2.0	3: 2	6: 1	
8 SEP	6	2.0	1: 5	3: 2	6: 8	5 OCT	6	4.0	2: 2	6: 6	
8 SEP	3	4.0	6: 6	7: 2		6 OCT	3	3.0	6: 6	13: 1	
8 SEP	2	5.0	1: 1	3: 19	5: 2	7 OCT	6	4.5	1: 2	3: 1	6: 2
			7: 3	9: 14	12: 1	7 OCT	2	4.0			
9 SEP	2	5.0	1: 2	3: 8	5: 1	7 OCT	6	2.0			

APPENDIX TABLE 21 (CONTINUED).

DATE	ZONE	HOURS FISHED	-- CATCH PER SPECIES --			DATE	ZONE	HOURS FISHED	-- CATCH PER SPECIES --		
8 OCT	6	2.0	1:	1	6:	14					
8 OCT	6	5.5	1:	1	6:	14					
9 OCT	2	4.0									
9 OCT	6	2.0	1:	1	6:	4					
10 OCT	2	3.0	3:	2	6:	4					
10 OCT	2	3.0	1:	1	3:	1	6:	4			
12 OCT	2	4.0	6:	10							
14 OCT	2	4.0	1:	1	6:	11					
14 OCT	2	2.5	7:	1							
16 OCT	2	1.0	1:	2	3:	3	6:	3			
			8:	1							
17 OCT	6	4.0	6:	11							
18 OCT	6	4.0	6:	3	8:	2					
18 OCT	2	5.0	1:	1	3:	3					
18 OCT	6	2.0	1:	1	6:	8	8:	1			
19 OCT	6	2.0	6:	2							
19 OCT	2	5.0	1:	2	6:	2	8:	1			
20 OCT	6	2.0	6:	3							
21 OCT	6	4.5	1:	1	6:	4					
21 OCT	2	5.0	3:	1	12:	1					
22 OCT	2	2.0									
24 OCT	6	2.0	6:	5							
25 OCT	6	2.0	6:	2							
25 OCT	2	4.0	12:	1							
27 OCT	6	5.0	4:	2	6:	6	8:	1			
28 OCT	6	5.0	6:	10							
28 OCT	6	2.0	6:	4							
30 OCT	6	2.0	6:	4							
5 NOV	6	4.0	6:	4							
6 NOV	6	2.0	6:	4	8:	2					
10 NOV	2	2.0	3:	6	6:	1	8:	1			
11 NOV	6	2.0	6:	1							
11 NOV	6	4.0	6:	4							
12 NOV	6	2.0	6:	4							
13 NOV	6	2.0	6:	4							
25 NOV	6	2.0	4:	4							
30 NOV	6	2.0	6:	2	8:	1					

APPENDIX TABLE 22. LOGGED 1983 NON-TROLLING CATCH AND EFFORT FROM ALABAMA

DATE	ZONE	HOURS FISHED	-- CATCH PER SPECIES --			DATE	ZONE	HOURS FISHED	-- CATCH PER SPECIES --		
10 APR	3	4.0	14: 52	50: 2	76: 10	28 MAY	6	4.0+	24: 1		
			99: 2			29 MAY	6	4.0	13: 4	14: 10	20: 7
12 APR	3	4.0	14: 26	50: 1	76: 8				53: 1	76: 2	85: 1
			99: 1			30 MAY	6	4.0	14: 3		
12 APR	3	6.0	13: 2	14: 35	15: 1	30 MAY	3	4.0	13: 8	14: 21	20: 16
			20: 30			31 MAY	3	4.0	13: 9	14: 7	20: 23
13 APR	3	6.0	14: 4	20: 10		31 MAY	6	3.0	13: 1	14: 10	
16 APR	3	6.0	14: 76	20: 17		1 JUN	2	4.0	13: 10	14: 8	20: 2
19 APR	2	4.0	4: 1	14: 38	20: 1	1 JUN	3	4.0	13: 13	14: 13	20: 25
			76: 10			2 JUN	3	4.0	13: 15	14: 54	20: 6
25 APR	2	9.0	14: 36	20: 10		2 JUN	6	4.0	13: 10	14: 15	17: 1
26 APR	2	9.0	2: 1	3: 1	14: 9				20: 2	42: 1	53: 1
			20: 2						76: 4	85: 2	
26 APR	2	4.0	20: 2	76: 14		3 JUN	6	4.0	14: 10	20: 6	42: 3
27 APR	2	4.0	17: 1	20: 4	76: 13				53: 2	76: 4	85: 4
			85: 2			3 JUN	6	5.0	13: 11	14: 48	20: 8
27 APR	3	9.0	13: 6	14: 78	18: 1				107: 17		
			20: 27			4 JUN	2	4.0	13: 12	14: 26	15: 1
28 APR	3	9.0	13: 4	14: 90	20: 78				20: 5		
			50: 3			4 JUN	6	7.0	2: 1	7: 1	13: 6
29 APR	3	9.0	6: 1	14: 70	20: 11				14: 6	20: 5	
2 MAY	3	5.0	13: 11	14: 86	20: 8	6 JUN	6	3.0	13: 8	14: 1	17: 1
5 MAY	3	4.0	13: 2	14: 41	20: 10				20: 1		
6 MAY	6	3.0	13: 8	14: 25		6 JUN	6	4.0	13: 10	14: 27	20: 3
6 MAY	2	4.0	14: 14	20: 2	76: 6	7 JUN	2	2.0	7: 4	13: 2	107: 7
			85: 4			8 JUN	3	4.0	2: 1	13: 13	14: 15
7 MAY	3	4.0	14: 30	20: 85					20: 7		
9 MAY	3	3.0	13: 6	14: 30	20: 15	8 JUN	6	3.0	13: 11		
13 MAY	3	3.0	13: 12	14: 5	20: 8	9 JUN	6	3.5	13: 8	14: 55	17: 1
13 MAY	2	2.0	14: 3						20: 9		
14 MAY	3	3.0	13: 9	14: 12		10 JUN	3	3.0	2: 1	13: 12	14: 37
16 MAY	2	4.0	14: 38						20: 8		
17 MAY	2	5.0	13: 8	14: 16	20: 15	10 JUN	6	3.0	14: 10	20: 2	
23 MAY	3	4.0	13: 8	20: 35	50: 9	13 JUN	2	3.0	13: 1	14: 10	17: 1
24 MAY	3	4.0	13: 9	14: 16	20: 15				20: 11		
24 MAY	6	4.0	13: 3	14: 9	17: 1	15 JUN	3	3.0	13: 12	14: 11	20: 34
			20: 3	62: 8	76: 4	15 JUN	6	3.0	13: 8	14: 5	20: 9
25 MAY	3	3.0	13: 4	76: 1					76: 4	77: 1	85: 2
25 MAY	3	4.0	13: 6	14: 36	20: 41	16 JUN	6	3.0	13: 8	14: 9	20: 6
26 MAY	3	4.0	14: 24	20: 44					76: 4		
26 MAY	6	4.0	2: 1	13: 5	14: 10	16 JUN	3	4.0	13: 8	14: 15	20: 6
			17: 1	20: 3	76: 2	17 JUN	6	4.0	13: 4	14: 48	20: 19
27 MAY	2	4.0	2: 1	13: 7	14: 3				107: 49		
			20: 3			17 JUN	6	3.0	13: 7	14: 10	20: 4
27 MAY	2	1.0	17: 1	119: 2		18 JUN	6	4.0	13: 8	14: 62	20: 7
28 MAY	2	5.0	14: 17	20: 4		19 JUN	2	4.0	14: 45	15: 1	20: 8
28 MAY	6	4.0	13: 3	14: 2	20: 6	22 JUN	6	3.0	13: 2	14: 28	20: 3

APPENDIX TABLE 22 (CONTINUED).

DATE	ZONE	HOURS FISHED	— CATCH PER SPECIES —				DATE	ZONE	HOURS FISHED	— CATCH PER SPECIES —					
22 JUN	6	3.0+	42:	1	50:	2	62:	12	21 JUL	2	3.0	14:	31	20:	8
23 JUN	6	2.0	13:	6	14:	1			22 JUL	3	3.0	14:	52		
24 JUN	2	1.5	2:	1	107:	16			22 JUL	6	3.0	12:	1	14:	60
25 JUN	2	4.0	13:	1	14:	65	20:	8				42:	1		
26 JUN	6	3.0	13:	6	14:	30	20:	2	23 JUL	6	3.0	2:	1	14:	12
			62:	6	76:	6	111:	1	23 JUL	3	3.0	2:	1	13:	11
27 JUN	2	3.0	14:	48	15:	2	20:	4				20:	10		
28 JUN	6	3.0	14:	45					24 JUL	6	3.0	14:	40	20:	4
29 JUN	2	2.0	14:	3	17:	1	20:	4	25 JUL	2	3.0	14:	4		
			107:	20					25 JUL	2	5.0	14:	53	17:	1
29 JUN	6	3.0	2:	1	13:	5	14:	34	26 JUL	3	4.0	14:	55	17:	6
			20:	3	62:	5	76:	3	27 JUL	3	4.5	14:	66	20:	16
30 JUN	2	2.0	13:	8	14:	3	42:	2	27 JUL	6	3.0	14:	12	20:	2
			62:	3	76:	5			2 AUG	3	3.0	13:	12	14:	4
1 JUL	6	3.0	13:	18	14:	1			4 AUG	3	2.0	13:	3	14:	10
1 JUL	3	3.0	14:	6								20:	10		
2 JUL	3	4.0	14:	45	17:	1	20:	11	4 AUG	6	3.0	14:	34	20:	12
2 JUL	6	3.0	13:	6	14:	24	17:	1				96:	1		
			20:	3					5 AUG	6	3.0	14:	24	20:	2
5 JUL	6	4.0	13:	6	14:	26	15:	1	5 AUG	3	7.0	13:	1	14:	78
			17:	2	20:	6	62:	3				20:	2		
5 JUL	2	1.0	14:	2	20:	3	107:	2	6 AUG	3	3.0	14:	83	20:	16
6 JUL	6	4.5	14:	72	20:	10			6 AUG	6	3.0	14:	41	20:	12
6 JUL	2	3.0	13:	4	14:	1	34:	4	7 AUG	6	3.0	14:	71	20:	12
			63:	2	71:	1			8 AUG	6	3.0	13:	2	14:	15
7 JUL	6	3.0	13:	8	14:	7			9 AUG	6	3.0	14:	13		
7 JUL	2	3.0	14:	32					9 AUG	6	4.0	13:	2	14:	58
9 JUL	2	3.0	14:	92	15:	1	20:	12				20:	9		
9 JUL	6	3.0	2:	2	13:	18			10 AUG	3	3.0	14:	29	17:	1
10 JUL	6	3.0	13:	4	14:	15	20:	2	10 AUG	6	3.0	14:	21	20:	1
11 JUL	6	3.0	2:	3	14:	8	20:	3	11 AUG	6	3.0	14:	19	20:	3
			76:	3	85:	2						54:	1		
12 JUL	6	3.0	13:	1	14:	18	17:	2	11 AUG	2	1.0	14:	14		
			20:	2	76:	2			12 AUG	2	2.0	14:	15	20:	8
13 JUL	3	4.0	14:	36	17:	1	20:	27	12 AUG	2	3.0	13:	1	14:	8
14 JUL	3	4.0	14:	12	20:	20			13 AUG	6	3.0	14:	18		
14 JUL	6	4.0	11:	1	14:	15	17:	1	13 AUG	3	3.0	13:	12	14:	38
			20:	2	76:	5						20:	20		
15 JUL	3	4.0	14:	25	20:	26			14 AUG	6	3.0	14:	41	20:	5
16 JUL	3	4.0	13:	12	14:	22	16:	1	15 AUG	2	1.0	14:	10	20:	2
			20:	40					15 AUG	3	4.0	14:	15	20:	4
17 JUL	6	3.0	13:	3	14:	2	20:	3	16 AUG	3	4.5	13:	14	14:	42
			34:	1	70:	2			16 AUG	2	4.0	14:	1	50:	2
18 JUL	6	3.0	14:	14	20:	2			17 AUG	3	4.0	13:	1	14:	38
19 JUL	6	3.0	14:	42	20:	3	119:	1	18 AUG	3	4.0	13:	6	14:	35
20 JUL	6	3.0	14:	20	20:	2						20:	25		
21 JUL	6	3.0	14:	51	20:	4			18 AUG	6	4.0	15:	36		

APPENDIX TABLE 22 (CONTINUED).

DATE	ZONE	HOURS FISHED	--- CATCH PER SPECIES ---			DATE	ZONE	HOURS FISHED	--- CATCH PER SPECIES ---		
19 AUG	6	4.0	14: 39	20: 4		17 SEP	6	4.0	14: 41	20: 5	54: 2
19 AUG	3	3.5	13: 3	14: 11	20: 17				76: 4		
20 AUG	3	4.0	4: 4	14: 54	20: 10	17 SEP	3	4.5	1: 1	13: 1	14: 102
20 AUG	6	4.0	13: 2	14: 39	20: 2				20: 28		
21 AUG	6	4.0	13: 12	14: 1	16: 1	19 SEP	2	1.0	14: 4	42: 2	
			20: 1	70: 14		20 SEP	3	5.0	2: 2	13: 5	14: 87
22 AUG	6	2.0	14: 17						17: 1	20: 11	
23 AUG	6	4.0	14: 49	20: 1	24: 1	23 SEP	3	4.0	14: 43	20: 4	
			50: 1	76: 10	85: 2	24 SEP	3	4.0	14: 22	20: 3	
24 AUG	6	4.0	13: 6	14: 14		27 SEP	2	1.0	14: 4	20: 3	
25 AUG	2	3.0	14: 52	20: 8		29 SEP	6	4.0	14: 39	20: 3	76: 2
27 AUG	2	4.0	13: 1	14: 76	17: 1				85: 6		
			20: 13			30 SEP	6	4.0	14: 60	20: 3	76: 3
28 AUG	6	3.0	14: 48	20: 3	42: 1				85: 6		
			62: 9	76: 4	85: 3	1 OCT	6	4.0	14: 10	20: 1	76: 3
29 AUG	6	4.0	13: 1	14: 29	48: 1				85: 1		
			62: 7	76: 3		1 OCT	3	4.0	13: 11	14: 78	20: 34
30 AUG	6	4.0	14: 42	36: 1	62: 10	2 OCT	6	4.0	2: 1	14: 25	20: 5
			76: 2	85: 2					62: 1		
31 AUG	6	4.0	14: 11	20: 1	62: 10	3 OCT	6	4.0	14: 40	20: 12	
			76: 2			3 OCT	3	5.0	14: 107	20: 26	
1 SEP	2	2.0	14: 14	20: 5		4 OCT	6	4.0	14: 50	20: 5	
2 SEP	6	3.0	13: 1	14: 50	62: 20	5 OCT	6	5.0	14: 38	20: 20	
			76: 8	85: 3		6 OCT	3	2.0	14: 30	20: 4	
3 SEP	6	4.0	13: 1	14: 49	62: 9	7 OCT	2	4.5	14: 108	20: 15	
			76: 6			7 OCT	6	2.0	14: 21	20: 2	
3 SEP	3	3.0	2: 1	14: 57	20: 13	8 OCT	6	4.0	13: 5	14: 41	53: 1
4 SEP	3	4.0	14: 55	20: 4					76: 4		
4 SEP	6	4.0	13: 1	14: 48	20: 2	8 OCT	3	3.5	14: 92	20: 48	
			76: 6	85: 3		9 OCT	6	4.0	13: 2	14: 5	
5 SEP	6	3.0	2: 1	14: 21		10 OCT	2	3.0	13: 2	14: 24	20: 14
8 SEP	6	4.0	14: 60	20: 4	42: 1	12 OCT	2	5.0	14: 86	20: 36	
			62: 8			14 OCT	2	1.0	14: 18	20: 5	
8 SEP	3	5.0	7: 1	13: 1	14: 129	17 OCT	3	5.0	13: 3	14: 138	20: 14
			20: 14	24: 1		18 OCT	3	4.0	14: 76	20: 4	
9 SEP	3	4.0	13: 5	14: 78	20: 12	18 OCT	6	4.0	13: 2	14: 14	20: 5
9 SEP	6	4.0	14: 24	20: 2	62: 1	19 OCT	6	4.0	13: 4	14: 4	20: 2
			85: 1						50: 1	62: 2	
10 SEP	3	4.0	13: 8	14: 30	20: 11	20 OCT	6	4.0	13: 3	14: 47	20: 5
14 SEP	3	5.0	2: 1	13: 1	14: 80				62: 6		
			20: 45			21 OCT	3	4.5	13: 3	14: 89	20: 38
14 SEP	6	4.0	14: 34	20: 2	54: 11				37: 2		
			71: 1			24 OCT	6	4.0	14: 29	20: 20	62: 6
15 SEP	6	4.0	14: 53	20: 5	48: 1	25 OCT	6	4.0	14: 65	20: 2	42: 1
			54: 7						53: 1	62: 4	
16 SEP	6	4.0	13: 9	14: 13	48: 1	27 OCT	6	4.0	14: 85	20: 6	
			54: 7			28 OCT	6	4.0	13: 4	14: 105	20: 6

APPENDIX TABLE 22 (CONTINUED).

DATE	ZONE	HOURS FISHED	--- CATCH PER SPECIES ---				DATE	ZONE	HOURS FISHED	--- CATCH PER SPECIES ---			
28 OCT	6	4.0+	50:	2									
28 OCT	6	4.0	13:	8	14:	33							
30 OCT	6	4.0	13:	8	14:	11	20:	3					
			62:	10	76:	4	85:	2					
5 NOV	6	5.0	13:	6	14:	87	20:	19					
6 NOV	6	4.0	13:	1	14:	47	20:	2					
			62:	6	76:	8	85:	20					
11 NOV	6	4.0	13:	2	14:	24	20:	5					
			62:	3	76:	4							
11 NOV	3	5.0	14:	65	20:	17	76:	6					
12 NOV	6	4.0	13:	8	14:	14	20:	8					
			62:	2	76:	6	85:	4					
13 NOV	6	4.0	13:	1	14:	30	20:	10					
			76:	10	85:	12							
21 NOV	6	4.0	13:	1	14:	40	20:	4					
			21:	1	36:	1							
25 NOV	6	6.0	14:	42	20:	2	62:	6					
30 NOV	6	4.0	14:	13	20:	1	48:	2					
			76:	6	85:	9							

APPENDIX TABLE 23. LOGGED 1983 TROLLING CATCH AND EFFORT FROM MISSISSIPPI

DATE	ZONE	HOURS FISHED	-- CATCH PER SPECIES --			DATE	ZONE	HOURS FISHED	-- CATCH PER SPECIES --		
16 APR	2	6.0	3: 28	12: 1		9 JUN	2	2.0+	12: 5		
17 APR	2	6.0	3: 61	12: 1		10 JUN	2	2.0	2: 1	3: 68	6: 3
30 APR	2	4.5	3: 98	12: 2					7: 15		
1 MAY	2	7.0	3: 60	12: 1		11 JUN	2	2.0	3: 38		
5 MAY	2	4.0	3: 20	4: 1		11 JUN	2	2.5	3: 16		
5 MAY	2	6.0	3: 90	4: 18		15 JUN	2	5.0	3: 70	6: 5	12: 2
6 MAY	3	6.0	3:120	12: 1		16 JUN	2	3.0	3: 78	9: 33	
7 MAY	2	6.0	3: 45			17 JUN	2	3.0	3: 3	9: 15	
8 MAY	2	6.0	3: 80			17 JUN	2	6.0	3: 17	6: 3	9: 5
8 MAY	2	4.0				18 JUN	2	6.0	3: 47		
9 MAY	2	6.0	2: 1	3: 40		18 JUN	2	4.0	3: 28	5: 1	9: 4
10 MAY	2	3.0	3: 30			18 JUN	2	6.0	3: 60	4: 12	8: 8
12 MAY	2	3.5	3: 20	4: 1	7: 1	19 JUN	2	5.0	3: 62	8: 5	12: 3
13 MAY	2	3.0	3: 42			20 JUN	2	3.0	3: 50	6: 4	29: 1
14 MAY	2	2.5	3: 7	5: 1		21 JUN	2	5.0	3: 58	6: 3	12: 3
14 MAY	2	6.0	3: 48	12: 2		24 JUN	2	6.0	3: 18	6: 3	12: 1
16 MAY	2	4.0	3: 5	7: 1	100: 1	24 JUN	2	5.0	3: 52	6: 8	12: 3
16 MAY	2	6.0	3: 60	12: 1		25 JUN	2	3.0	3: 30	5: 1	
18 MAY	2	1.0	3: 5			25 JUN	2	5.0	3: 20	6: 3	12: 2
20 MAY	2	3.0	3: 65						29: 4		
24 MAY	2	5.0	2: 1	3: 99	4: 6	26 JUN	2	6.0	2: 1	3: 28	12: 4
25 MAY	2	6.0	2: 1	3: 68					29: 2		
26 MAY	2	3.0	3: 69			27 JUN	2	6.0	4: 12	12: 4	29: 2
26 MAY	2	4.0	2: 1			1 JUL	2	6.0	2: 1	3: 43	4: 4
27 MAY	2	5.0	4: 8						6: 2		
28 MAY	2	3.0	3: 38			2 JUL	2	6.0	2: 16	4: 4	6: 6
28 MAY	2	6.0	3: 34	7: 20	29: 1				29: 3		
29 MAY	2	6.0	3: 70			3 JUL	2	4.0	3: 24	6: 25	7: 35
29 MAY	2	6.0	3: 67	6: 8	7: 6				29: 1		
			9: 25	12: 1		3 JUL	2	6.0	3: 20	6: 4	12: 2
30 MAY	2	6.0	3: 68	12: 1					29: 2		
31 MAY	2	6.0	3: 61	6: 10	7: 20	3 JUL	2	6.0	3: 36	6: 1	7: 8
			12: 1						9: 12	12: 2	29: 1
2 JUN	2	6.0	3: 47	6: 6	9: 20	4 JUL	2	4.0	3: 35	7: 10	12: 2
3 JUN	2	6.0	3: 45	4: 1	6: 12	5 JUL	2	6.0	3: 46	6: 1	9: 6
			7: 15						29: 1		
3 JUN	2	6.0	3:201	6: 6	7: 20	7 JUL	2	6.0	3: 69	6: 5	7: 6
			29: 1						9: 6		
4 JUN	2	5.5	3: 75	6: 5	7: 12	8 JUL	3	6.0	3: 6	6: 1	
			12: 1			9 JUL	2	6.0	3: 86	9: 4	
4 JUN	2	1.0	3: 22			9 JUL	2	3.0	3: 39		
6 JUN	2	2.0	3: 70	6: 4	12: 2	10 JUL	2	6.0	3: 85	6: 8	
7 JUN	2	2.0	3: 50	7: 20		11 JUL	2	6.0	3: 87	6: 10	
7 JUN	2	5.0	3: 25	9: 26		11 JUL	6	3.0	3: 35	6: 6	7: 8
8 JUN	2	5.0	3: 27	12: 3		12 JUL	2	1.0	3: 15		
8 JUN	2	2.0	3: 98	6: 7	12: 4	13 JUL	2	6.0	3: 85	4: 3	12: 12
9 JUN	2	2.0	3: 89	4: 4	9: 2	14 JUL	2	3.0	3: 60		

APPENDIX TABLE 23 (CONTINUED).

DATE	ZONE	HOURS FISHED	--- CATCH PER SPECIES ---			DATE	ZONE	HOURS FISHED	--- CATCH PER SPECIES ---		
16 JUL	2	6.0	3: 85	6: 5	12: 3	12 AUG	2	2.0	3: 15	7: 5	
16 JUL	2	6.0	3: 66	6: 4	7: 6	13 AUG	2	6.0	3: 20	4: 2	7: 10
			8: 3						8: 1		
17 JUL	2	6.0	3:100	6: 6	7: 5	13 AUG	2	5.0	1: 1	3: 12	4: 6
			12: 7						6: 2	7: 4	
19 JUL	2	6.0	3: 95	4: 12	5: 1	14 AUG	2	2.0	3: 12	7: 1	
			6: 5	7: 10	12: 3	15 AUG	2	6.0	3: 8	4: 6	9: 1
21 JUL	2	6.0	2: 1	3: 68	4: 6	15 AUG	2	5.0	6: 25	12: 36	36: 7
			6: 5	7: 10	12: 6	16 AUG	2	5.0	2: 20	4: 13	6: 7
22 JUL	2	5.0	3: 60	6: 6	12: 1	17 AUG	2	5.0	1: 8	7: 6	12: 16
23 JUL	2	6.0	3: 67	6: 4	12: 1	19 AUG	2	3.0	1: 7	4: 4	
23 JUL	2	4.0	3: 60	7: 40	9: 35	20 AUG	2	4.0	3: 32	7: 2	12: 2
			12: 1			20 AUG	2	5.5	1: 5	3: 10	6: 3
23 JUL	2	6.0	3: 20	4: 3	5: 1				12: 6		
			6: 1	7: 2		20 AUG	2	6.0	1: 9	3: 18	5: 2
24 JUL	2	6.0	3: 32	6: 3	29: 4	21 AUG	2	5.0	1: 8	3: 15	6: 4
24 JUL	2	6.0	3:140			21 AUG	2	6.0	3: 25	4: 6	7: 2
25 JUL	2	6.0	3: 85	12: 1		22 AUG	2	3.0	3: 12	12: 1	
27 JUL	2	5.0	3: 50	29: 1		27 AUG	2	6.0	3: 1	4: 2	8: 1
30 JUL	2	6.0	3: 58	12: 2		27 AUG	2	5.0	1: 2	3: 10	4: 17
30 JUL	2	2.0	3: 2			28 AUG	2	5.0	3: 10	4: 14	
31 JUL	2	6.0	3: 59			31 AUG	2	3.0	3: 20		
3 AUG	2	3.0	3: 25	4: 6		2 SEP	2	5.0	3: 8	4: 16	6: 1
4 AUG	2	3.0	3: 35						29: 1		
4 AUG	2	2.0	3: 12	7: 7		3 SEP	2	5.0	1: 11	3: 6	4: 1
4 AUG	2	6.0	3: 10	7: 1	8: 3				6: 2	7: 4	
			9: 1			4 SEP	2	6.0	1: 4	3: 3	4: 6
5 AUG	2	5.0	1: 4	14: 65					29: 1		
5 AUG	2	6.0	1: 1	3: 41		8 SEP	2	5.0	1: 1	3: 8	4: 6
6 AUG	2	6.0	1: 1	3: 20	7: 1	9 SEP	2	5.0	1: 2	3: 12	4: 1
			12: 2			10 SEP	2	8.0	1: 4	3: 1	4: 10
6 AUG	2	5.0	1: 12	3: 9	6: 8				6: 3		
			7: 15			10 SEP	2	5.0	3: 22	29: 1	
7 AUG	2	5.0	1: 2	3: 6	4: 16	11 SEP	2	3.0	6: 1	7: 1	
			6: 4			11 SEP	2	5.0	2: 1	3: 42	
8 AUG	2	6.0	3: 6	4: 3	6: 1	11 SEP	2	1.0	3: 5		
			7: 4			13 SEP	2	5.0	3: 15	4: 1	6: 2
8 AUG	2	5.0	1: 3	3: 35	6: 15				12: 8		
			7: 20			14 SEP	2	5.0	3: 45	6: 1	12: 1
8 AUG	2	5.0	1: 3	4: 12	6: 5	15 SEP	2	3.0	3: 12	12: 2	
10 AUG	2	5.0	1: 2	3: 6	4: 9	16 SEP	2	3.0	2: 2		
			6: 5	7: 10	24: 2	17 SEP	2	5.0	3: 6	4: 14	12: 1
11 AUG	2	5.0	1: 1	3: 22	4: 5	17 SEP	2	6.0	1: 2	3: 2	4: 2
			6: 4	7: 10		18 SEP	2	5.0	3: 2	4: 22	6: 1
11 AUG	2	6.0	3: 15	4: 3	7: 4				7: 2		
			8: 1			19 SEP	2	3.0	12: 8		
12 AUG	2	2.5	3: 4	12: 1	29: 1	19 SEP	2	6.0	1: 9	6: 4	7: 4

APPENDIX TABLE 23 (CONTINUED).

DATE	ZONE	HOURS FISHED	-- CATCH PER SPECIES --				DATE	ZONE	HOURS FISHED	-- CATCH PER SPECIES --			
20 SEP	2	6.0	1:	5	3:	3	6:	2					
			7:	6									
21 SEP	2	3.0	1:	1	3:	4	9:	1					
24 SEP	2	5.0	1:	1	3:	10	8:	1					
25 SEP	2	6.0	3:	10	13:	11							
29 SEP	2	3.0	3:	9	12:	12							
1 OCT	2	5.0	1:	6	6:	5							
5 OCT	2	5.0	1:	2	8:	2							
6 OCT	2	5.0	1:	2	8:	2	12:	8					
			29:	1									
8 OCT	2	5.0	1:	3	3:	2	4:	19					
			8:	1	12:	7	29:	2					
29 OCT	2	6.0	1:	1	6:	1							

APPENDIX TABLE 24. LOGGED 1983 NON-TROLLING CATCH AND EFFORT FROM MISSISSIPPI

DATE	ZONE	HOURS FISHED	--- CATCH PER SPECIES ---			DATE	ZONE	HOURS FISHED	--- CATCH PER SPECIES ---		
29 APR	3	6.0	14:	58							
6 MAY	3	3.0	1:	1	2:	2	7:	10			
			14:	60	18:	2					
14 MAY	2	5.0	28:	30	45:	50					
15 MAY	2	6.0	45:	220							
17 MAY	2	4.0	45:	60							
18 MAY	2	4.0	2:	1							
20 MAY	2	6.0	28:	8	45:	57					
21 MAY	2	4.0	2:	1	45:	85					
12 JUN	2	5.0	6:	2	12:	2	29:	1			
12 JUN	2	2.0	9:	3	31:	15					
13 JUN	2	6.0	9:	14	31:	40					
14 JUN	2	4.0	9:	7	31:	20					
11 JUL	6	6.0	29:	2							
16 JUL	2	2.0	28:	20	31:	58					
26 JUL	2	6.0	2:	3	6:	15	14:	10			
			36:	50							
9 AUG	2	5.0	1:	4	14:	35	29:	5			
17 AUG	2	3.5	3:	1	9:	6	31:	20			
18 AUG	2	2.0	31:	10	70:	2					
2 OCT	2	3.0	31:	35							
3 OCT	2	6.0	31:	58							
4 OCT	2	3.0	31:	30							
15 OCT	2	3.0	28:	12							

APPENDIX TABLE 25. LOGGED 1983 TROLLING CATCH AND EFFORT FROM LOUISIANA

DATE	ZONE	HOURS FISHED	-- CATCH PER SPECIES --			DATE	ZONE	HOURS FISHED	-- CATCH PER SPECIES --						
16 JAN	3	6.0	1:	5		20 JUL	3	7.0	6:	5	7:	3	23:	1	
21 JAN	3	6.0	1:	7					24:	37					
22 JAN	3	6.0	1:	17		22 JUL	3	5.0	21:	6	24:	56	38:	1	
23 JAN	3	4.0	1:	19	14:	30			55:	1					
24 JAN	3	4.0	1:	2		23 JUL	3	5.0	21:	6	22:	1	24:	32	
27 JAN	3	2.0	1:	4	20:	6			38:	1					
28 JAN	3	3.0	1:	7	20:	2	24 JUL	3	5.5	21:	6	22:	1	24:	14
30 JAN	3	5.0	1:	12	6:	3			55:	1					
2 FEB	3	6.0	1:	11	6:	2	25 JUL	3	5.0	6:	5	21:	4	24:	64
5 FEB	3	5.0	1:	16			28 JUL	3	7.0	24:	1				
7 FEB	3	6.0	1:	12			28 JUL	3	4.5	21:	4	24:	16		
9 FEB	3	5.0	1:	8			29 JUL	3	6.0	3:	150	6:	1	7:	8
11 FEB	3	5.0	1:	2			29 JUL	3	7.0	55:	1				
13 FEB	3	5.0	1:	6	6:	4	30 JUL	3	6.0	3:	84	6:	7	7:	5
15 FEB	3	4.0	1:	12	6:	1	2 AUG	3	6.0	21:	6	22:	2	24:	32
17 FEB	3	5.0	1:	16					55:	1					
18 FEB	3	6.0	1:	34	6:	2	5 AUG	6	12.0	1:	43	3:	1	5:	3
14 MAY	3	4.0	23:	27					6:	7	7:	3	12:	2	
15 MAY	3	5.0	3:	21	5:	7	6:	5	29:	2					
			7:	14	12:	21	5 AUG	3	7.0	21:	5	22:	1	24:	46
30 MAY	3	7.0	22:	1	24:	130	35:	1	55:	1					
2 JUN	3	5.0	21:	1	22:	2	6 AUG	6	12.0	1:	56	5:	2	6:	1
3 JUN	3	9.0	21:	1	24:	1			7:	2	29:	3			
4 JUN	3	2.0	3:	1	7:	1	6 AUG	3	5.0	21:	4	22:	3	24:	64
4 JUN	3	9.0	21:	1					55:	1					
11 JUN	3	6.0	21:	4	24:	15	6 AUG	3	1.5						
13 JUN	3	6.0	7:	2	24:	61	10 AUG	3	6.5	21:	2	22:	3	24:	46
14 JUN	3	9.0	7:	1	8:	2	11:	1	39:	1					
			12:	2	21:	1	22:	1	21:	1	22:	1	24:	18	
			24:	4					21:	1	24:	3	55:	2	
16 JUN	3	2.0					11 AUG	3	6.0	21:	1	22:	1	24:	18
17 JUN	3	5.5	22:	2	24:	7	55:	3	12 AUG	3	8.0	21:	1	24:	3
23 JUN	3	8.5	21:	2	24:	2			13 AUG	3	3.0	1:	1	3:	60
24 JUN	3	8.5	24:	6					13 AUG	3	7.0	21:	2	24:	3
25 JUN	3	7.5	21:	2					14 AUG	1	5.0	3:	60	6:	5
1 JUL	3	7.0	21:	5	22:	1	24:	6	18 AUG	3	4.0	21:	3		
1 JUL	3	8.5	24:	2	38:	2			19 AUG	3	6.0	21:	6	22:	2
2 JUL	3	8.0	21:	6	22:	2	24:	8	20 AUG	3	5.0	6:	2	21:	2
2 JUL	3	8.0	24:	2	38:	1			20 AUG	3	10.0	11:	1	24:	1
3 JUL	3	5.5	21:	3	22:	1	24:	7	21 AUG	3	3.0	3:	64	5:	2
3 JUL	3	7.0	22:	1	38:	1			21 AUG	3	3.0	3:	64	5:	2
5 JUL	3	6.0	21:	1	24:	2			23 AUG	3	3.0	24:	24		
15 JUL	3	10.0	22:	4	38:	1			26 AUG	3	5.0	3:	86	5:	1
16 JUL	3	6.0	24:	5	39:	1						7:	18	12:	2
16 JUL	3	10.0	38:	1	55:	1			28 AUG	3	5.0	3:	86	4:	1
17 JUL	3	5.5	21:	5	22:	1	24:	26				6:	7	5:	18
			55:	1					30 AUG	3	2.0	2:	1	3:	51
									2 SEP	3	5.5	21:	1	22:	2
									3 SEP	3	5.0	3:	151	4:	30

APPENDIX TABLE 25 (CONTINUED).

DATE	ZONE	HOURS FISHED	-- CATCH PER SPECIES --			DATE	ZONE	HOURS FISHED	-- CATCH PER SPECIES --				
			1:	3:	5:				6:	7:	23:	29:	23:
4 SEP	6	10.0	1: 73	3: 4	5: 4	23 OCT	3	6.0+	6: 1	7: 7			
			8: 6			25 OCT	3	5.0	1: 2	3: 1	6: 3		
4 SEP	3	6.0	3: 96	4: 30					7: 1	29: 1			
8 SEP	6	5.0	1: 7	3: 2	6: 1	3 NOV	3	6.0	21: 1	22: 1	23: 2		
			7: 2	12: 1		4 NOV	6	10.0	1: 18	3: 4	6: 5		
9 SEP	6	7.0	1: 9	3: 3	6: 1				7: 2	23: 3			
			7: 1			5 NOV	6	5.0	1: 13	3: 2	6: 3		
10 SEP	3	6.0	1: 2	3: 152	4: 1	7 NOV	6	10.0	1: 5	3: 2	6: 8		
			5: 6	7: 8					7: 1				
11 SEP	3	5.0	1: 2	3: 148	4: 2								
			5: 1	6: 8									
18 SEP	2	10.0	1: 22	3: 7	4: 21								
			5: 2	6: 7	7: 4								
19 SEP	6	12.0	1: 31	3: 3	5: 9								
			6: 10	7: 1									
20 SEP	6	10.0	1: 26	3: 9	5: 5								
			6: 3	7: 3									
20 SEP	3	0.5	6: 15										
25 SEP	3	6.0	1: 24	3: 46	4: 2								
			6: 6	12: 2									
26 SEP	6	10.5	1: 7	3: 2	5: 2								
			6: 3	7: 5									
28 SEP	3	6.0	1: 16	3: 51	6: 4								
			12: 1										
1 OCT	3	5.5	1: 10	3: 62	4: 1								
			6: 14	12: 6									
2 OCT	3	6.0	1: 8	3: 14	5: 5								
			6: 6	7: 10	12: 2								
3 OCT	3	5.0	1: 16	3: 42	5: 6								
			6: 5	7: 2									
7 OCT	3	5.0	1: 12	3: 26	6: 10								
			7: 6	12: 1									
8 OCT	3	5.0	1: 9	3: 31	5: 2								
			6: 5	7: 1									
9 OCT	3	6.0	1: 9	3: 24	6: 6								
			7: 1										
10 OCT	3	5.0	1: 2	3: 16	6: 5								
			7: 3										
10 OCT	3	4.0	21: 1										
11 OCT	2	10.0	1: 15	3: 5	6: 2								
			7: 1										
15 OCT	3	5.5	1: 6	3: 18	6: 7								
			7: 10										
17 OCT	3	5.0	1: 6	3: 28	5: 2								
			7: 7	12: 2									
18 OCT	2	3.0	1: 2	6: 1	7: 1								
23 OCT	3	6.0	1: 5	3: 36	5: 2								

APPENDIX TABLE 26. LOGGED 1983 NON-TROLLING CATCH AND EFFORT FROM LOUISIANA

DATE	ZONE	HOURS FISHED	-- CATCH PER SPECIES --				DATE	ZONE	HOURS FISHED	-- CATCH PER SPECIES --			
9 JAN	3	5.0	3: 3	4: 5	5: 4	21 MAR	3	5.5+	7: 6	14: 29	20: 3		
			14: 25	20: 1	27: 50				27: 90	58: 78			
			58: 75			22 MAR	3	5.5	5: 7	7: 9	14: 72		
14 JAN	3	5.0	4: 1	5: 6	6: 2				20: 15	27: 97	58: 140		
			7: 5	14: 21	16: 1	16 APR	3	5.5	4: 4	6: 6	7: 5		
			20: 2	27: 82	58: 65				14: 28	20: 5	27: 65		
23 JAN	3	2.0	27: 38	58: 61					58: 128				
24 JAN	3	2.0	27: 25	58: 36		17 APR	3	5.5	1: 2	5: 9	7: 6		
27 JAN	3	4.0	4: 6	27: 18	58: 30				14: 28	20: 2	27: 94		
28 JAN	3	3.0	4: 4	27: 24	58: 41				58: 141				
3 FEB	3	5.0	1: 15	28: 48		23 APR	3	5.5	6: 2	7: 5	14: 41		
19 FEB	3	6.0	5: 12	14: 25	21: 2				27: 86	58: 162			
			27: 65	47: 4	58: 106	24 APR	3	5.0	7: 5	13: 14	27: 24		
22 FEB	3	5.0	1: 18	4: 1	5: 10	1 MAY	3	5.5	5: 6	13: 12	14: 10		
			6: 1	7: 5	14: 26				27: 35	58: 20			
			20: 8	27: 97	58: 125	6 MAY	3	5.5	14: 20	27: 40	58: 32		
24 FEB	3	5.0	1: 6	4: 3	5: 4	11 MAY	3	5.5	2: 1	13: 14	27: 45		
			14: 5	20: 2	27: 49	22 MAY	3	3.0	7: 1	14: 1	27: 52		
			58: 68						28: 64	30: 2	42: 1		
25 FEB	3	5.0	1: 12	5: 9	7: 2				43: 1	47: 1			
			14: 3	20: 1	27: 82	22 MAY	3	5.0	1: 1	2: 2	9: 30		
			58: 96						13: 21	14: 150	17: 1		
26 FEB	3	5.0	1: 8	4: 2	5: 18				20: 30	27: 30	30: 60		
			14: 46	20: 9	27: 78	23 MAY	3	5.0	2: 2	9: 35	13: 60		
			58: 81						14: 121	20: 60	30: 60		
2 MAR	3	5.0	4: 16	5: 2	7: 5	24 MAY	3	5.0	2: 3	9: 40	12: 2		
			27: 46	58: 84					13: 62	14: 20			
9 MAR	3	6.0	1: 5	4: 9	5: 4	24 MAY	3	5.0	6: 1	7: 10	13: 2		
			7: 10	14: 22	20: 5				14: 12	20: 10			
			27: 82	58: 75		25 MAY	3	5.0	1: 1	2: 3	9: 40		
12 MAR	3	6.0	1: 9	4: 3	5: 9				12: 4	14: 60	20: 60		
			6: 2	7: 8	14: 42				24: 60	27: 10	30: 60		
			16: 2	20: 9	27: 71	26 MAY	3	5.0	1: 2	9: 30	13: 42		
			58: 86						14: 96	20: 20	27: 10		
13 MAR	3	5.0	7: 6	13: 12	27: 64	27 MAY	3	5.0	2: 2	13: 18	14: 300		
			58: 82	62: 28	64: 1				20: 40	27: 3	30: 60		
14 MAR	3	5.5	1: 18	4: 2	14: 12	28 MAY	3	3.0	14: 7	27: 61	28: 46		
			27: 59	58: 106					30: 28	47: 4			
15 MAR	3	5.5	1: 26	4: 9	5: 6	28 MAY	3	5.0	2: 4	13: 21	14: 280		
			6: 2	7: 5	20: 4				20: 48	30: 30			
			27: 38	58: 162		28 MAY	3	4.0	5: 4	12: 2	14: 26		
19 MAR	3	5.5	1: 1	5: 7	14: 64				20: 6	27: 35	58: 6		
			20: 4	27: 101	58: 96	29 MAY	3	5.0	7: 6	14: 10	20: 4		
20 MAR	3	5.5	1: 19	5: 7	6: 4	29 MAY	3	5.0	2: 3	13: 12	14: 135		
			7: 9	14: 38	16: 2				20: 22	30: 20			
			20: 5	27: 78	58: 116	29 MAY	3	6.0	7: 2	14: 16	16: 2		
21 MAR	3	5.5	1: 7	4: 1	5: 12				27: 23	28: 25	30: 10		

APPENDIX TABLE 26 (CONTINUED).

DATE	ZONE	HOURS FISHED	--- CATCH PER SPECIES ---			DATE	ZONE	HOURS FISHED	--- CATCH PER SPECIES ---		
29 MAY	3	6.0+	36: 10	47: 4	48: 2	10 JUN	3	5.5	14: 18	27: 41	58: 14
30 MAY	3	6.0	14: 39	16: 2	27: 9	11 JUN	3	5.0	14: 35	27: 2	58: 8
			28: 14	30: 3	36: 1	11 JUN	3	5.0	2: 2	13: 36	14: 40
			47: 1						20: 35		
30 MAY	3	5.0	2: 1	13: 15	14: 85	11 JUN	3	6.0	6: 1	14: 6	27: 43
			20: 27						36: 1	47: 4	58: 21
31 MAY	6	6.0	1: 1	12: 1	27: 14	12 JUN	3	9.0	2: 1	8: 3	13: 9
			28: 32	30: 2					37: 26		
31 MAY	3	5.0	13: 12	14: 60	24: 600	12 JUN	3	3.0	5: 1	12: 1	14: 3
1 JUN	3	5.0	1: 2	2: 2	13: 16				27: 12	28: 42	30: 11
			14: 130	20: 29					36: 2	47: 1	
1 JUN	3	6.0	14: 6	27: 21	28: 56	12 JUN	3	5.0	1: 2	2: 1	13: 38
			30: 17	36: 1					20: 24		
1 JUN	3	5.0	13: 7	14: 14		12 JUN	3	4.5	5: 2	7: 6	13: 2
2 JUN	3	6.0	7: 4	27: 1	28: 60				14: 35	27: 45	58: 20
			30: 2	36: 2		13 JUN	3	5.0	5: 1	13: 18	14: 240
2 JUN	3	5.0	1: 2	2: 3	14: 190				20: 16		
			20: 45			13 JUN	3	2.0	13: 2		
3 JUN	3	5.0	1: 2	13: 14	14: 75	14 JUN	3	1.0			
			20: 35	27: 18		15 JUN	3	4.0	8: 2	12: 1	13: 27
3 JUN	3	6.0	5: 2	12: 1					14: 1		
4 JUN	3	3.5	14: 20	27: 30	28: 20	15 JUN	3	3.0	14: 11	27: 21	28: 19
4 JUN	3	6.0	27: 26	28: 4	30: 4				30: 15	47: 2	
4 JUN	3	5.0	2: 3	13: 17	14: 110	15 JUN	3	5.0	14: 65	27: 44	58: 28
4 JUN	3	4.0	14: 1			16 JUN	3	4.0	5: 8	14: 19	27: 6
5 JUN	3	5.0	5: 2	14: 10	27: 25				28: 21	30: 12	36: 3
			58: 15			16 JUN	3	4.0	13: 9	27: 11	28: 4
5 JUN	3	5.0	1: 3	2: 2	14: 190	17 JUN	3	4.0	7: 6	14: 22	19: 1
			20: 28						27: 28	28: 16	30: 3
5 JUN	3	6.0	4: 4	27: 12	30: 3				36: 4	47: 3	
			36: 2	58: 22		17 JUN	3	5.0	13: 30	14: 12	37: 3
5 JUN	3	4.0	13: 1	14: 20	27: 40	17 JUN	3	5.0	2: 1	6: 1	11: 1
			28: 8	37: 1					13: 12	14: 75	20: 2
6 JUN	3	4.0	13: 1	27: 15	28: 15				24: 500		
7 JUN	3	4.0	13: 4	14: 15		18 JUN	3	5.0	1: 1	2: 5	13: 18
8 JUN	3	4.0	8: 1	13: 1	27: 3				14: 78	20: 8	24: 60
8 JUN	3	5.0	1: 4	2: 2	13: 28				27: 1		
			14: 325	20: 60		18 JUN	3	3.0	13: 4	14: 1	46: 1
9 JUN	3	5.0	1: 1	2: 2	13: 16	18 JUN	3	3.5	5: 6	7: 2	14: 12
			14: 150	20: 12					20: 11	27: 12	28: 16
9 JUN	3	4.0	8: 2	13: 27					30: 21	47: 1	
10 JUN	6	4.5	14: 55	27: 5	37: 1	19 JUN	3	4.5	3: 2	5: 1	7: 3
10 JUN	3	6.0	13: 2	14: 14	27: 64				12: 1	13: 2	27: 60
			30: 9	36: 2	47: 11				30: 21	58: 17	
			58: 67			19 JUN	1	3.0	27: 26		
10 JUN	3	5.0	1: 2	2: 2	12: 8	19 JUN	3	5.0	1: 2	2: 2	11: 2
			14: 70	20: 20					13: 16	14: 145	20: 24

APPENDIX TABLE 26 (CONTINUED).

DATE	ZONE	HOURS FISHED	--- CATCH PER SPECIES ---				DATE	ZONE	HOURS FISHED	--- CATCH PER SPECIES ---					
19 JUN	3	5.0+	27:	12			1 JUL	3	4.0+	47:	2	58:	12	63:	2
19 JUN	3	4.5	4:	2	5:	4	7:	5	1 JUL	3	5.0	13:	5	14:	45
			12:	1	14:	26	20:	5	2 JUL	3	5.0	1:	17	13:	35
			27:	45	42:	5	58:	26				27:	12	58:	6
			60:	7					2 JUL	3	5.0	14:	13	27:	16
20 JUN	1	2.0	27:	4	45:	1						58:	3	63:	2
21 JUN	3	5.0	2:	5	14:	65	20:	8	3 JUL	3	4.0	12:	1	13:	2
			24:	72								20:	3	27:	19
23 JUN	3	5.0	1:	1	2:	1	12:	1				30:	12		
			13:	16	14:	156	27:	4	3 JUL	3	5.0	1:	3	13:	55
23 JUN	3	5.0	5:	1	6:	2	14:	2				27:	12	28:	10
			16:	1	27:	8	30:	11	4 JUL	3	4.0	14:	140	27:	90
			58:	12					5 JUL	3	5.5	2:	1	6:	1
24 JUN	3	4.0	5:	6	12:	2	16:	1				7:	4		
			27:	26	30:	16	36:	4	6 JUL	3	5.0	14:	38	27:	56
			58:	37								58:	28		
24 JUN	3	5.0	1:	2	12:	2	13:	35	6 JUL	3	5.0	2:	1	8:	1
			14:	230	27:	15						12:	1		
25 JUN	3	5.0	1:	1	13:	37	14:	190				14:	14	17:	4
			28:	14					6 JUL	3	5.0	27:	24	28:	36
25 JUN	3	4.0	12:	1	13:	3	14:	1				30:	19		
			20:	3	27:	27	30:	10	7 JUL	3	5.0	63:	4		
			36:	4	58:	26						1:	4	2:	2
25 JUN	3	4.0	11:	1	13:	30	14:	2	8 JUL	3	4.0	12:	1	13:	22
			17:	1	37:	1	47:	3				37:	2		
25 JUN	3	5.0	5:	6	7:	10	12:	2	8 JUL	3	4.0	1:	3	13:	23
			13:	2	14:	38	20:	6				14:	3	14:	3
			27:	86	42:	2	50:	7	8 JUL	3	4.0	27:	12		
			58:	41					8 JUL	3	4.0	7:	4	14:	1
26 JUN	2	1.0	63:	1								27:	26		
26 JUN	3	4.0	19:	1	27:	72	28:	26	9 JUL	3	4.0	28:	41	30:	6
26 JUN	3	5.0	13:	48	14:	260	27:	5				36:	2	36:	2
			58:	6					9 JUL	3	4.0	1:	8	13:	18
28 JUN	3	4.0	2:	1	12:	3	14:	9				14:	3	27:	50
			16:	2	27:	31	30:	12	9 JUL	3	4.0	28:	36	30:	8
			47:	2	58:	12	63:	3				36:	1	36:	1
28 JUN	1	5.0	4:	3	12:	2	27:	16	9 JUL	3	5.5	14:	240		
			43:	11								27:	20		
29 JUN	3	4.0	7:	1	14:	3	27:	330	10 JUL	3	5.5	6:	2	7:	5
			28:	9								14:	55		
30 JUN	3	5.0	5:	4	14:	6	20:	5	10 JUL	3	5.0	27:	46	58:	21
			27:	67	30:	12	47:	2				2:	1	5:	2
			58:	17	63:	6						14:	42	20:	6
1 JUL	3	6.0	1:	5	2:	2	13:	6	10 JUL	3	4.0	58:	23		
			14:	2	27:	35	28:	70				1:	3	13:	20
1 JUL	3	4.0	14:	11	16:	3	20:	12	10 JUL	3	5.0	1:	1	14:	6
			27:	6	30:	16	36:	1				28:	19	27:	21
									10 JUL	3	5.0	6:	1	13:	37
												14:	152		
									11 JUL	3	4.5	20:	12	27:	5
												28:	8		
									11 JUL	3	2.5	14:	5	16:	2
												27:	36		
									11 JUL	3	4.0	28:	50	36:	1
												42:	2		
									12 JUL	3	4.0	1:	1	2:	1
												8:	8		
												13:	20		
												13:	1	14:	23
												27:	40		

APPENDIX TABLE 26 (CONTINUED).

DATE	ZONE	HOURS FISHED	-- CATCH PER SPECIES --			DATE	ZONE	HOURS FISHED	-- CATCH PER SPECIES --		
13 JUL	3	4.0	2: 3	13: 1	14: 14	22 JUL	3	4.0	12: 2	14: 2	27: 54
			27: 25						28: 11	30: 14	36: 6
13 JUL	3	5.0	14: 2	27: 17	28: 28	22 JUL	3	5.0	14:430		
			30: 12	42: 1	54: 3	22 JUL	3	4.5	2: 1	8: 3	13: 11
14 JUL	3	3.5	7: 12	8: 2	13: 14				14: 80	20: 1	57: 3
			19: 3	24: 12		23 JUL	3	3.5	8: 4	13: 11	14:240
14 JUL	3	5.0	1: 3	2: 1	5: 4	23 JUL	3	5.0	2: 1	6: 4	14:300
			13: 18	14:136	20: 7				20: 12		
			27: 4			23 JUL	3	4.5	7: 3	12: 2	14: 6
14 JUL	3	3.0	13: 28						27: 21	28: 16	30: 12
15 JUL	3	5.0	2: 1	14: 3	27:150				36: 3		
15 JUL	3	5.0	1: 4	13: 32	14:460	24 JUL	3	4.0	8: 3	13: 17	14: 70
			20: 12	27: 19					20: 2	57: 3	
15 JUL	3	4.0	14: 2	27: 85	28: 31	25 JUL	3	4.0	8: 1	13: 5	14: 30
			30: 12						57: 2		
15 JUL	3	5.0	3: 8	5: 6	6: 1	26 JUL	7	5.0	13: 1	27: 43	
			20: 10	24: 8	27: 25	26 JUL	3	5.0	1: 2	14:330	20: 18
			58: 36			26 JUL	3	5.0	7: 8	14: 14	20: 10
16 JUL	3	5.0	1: 1	7: 2	27: 18				27: 48		
			28: 41	30: 6	36: 2	27 JUL	3	4.0	1: 1	11: 1	12: 2
16 JUL	3	5.0	1: 1	5: 5	13: 26				27: 11	28: 23	30: 16
			14:330	20: 15	27: 3				36: 6		
16 JUL	3	4.0	13: 17	14: 1	37: 8	27 JUL	3	5.0	13: 10	14:120	20: 12
17 JUL	6	3.5	2: 1	12: 1	27:220	27 JUL	3	4.0	27: 90	37: 1	
17 JUL	3	4.0	8: 1	14: 3	27: 41	28 JUL	3	5.0	27:200	28: 30	
			28: 15	30: 16	36: 3	28 JUL	3	5.0	1: 2	14: 70	
			47: 2			29 JUL	3	4.5	5: 12	7: 4	14: 31
17 JUL	3	5.0	1: 1	14:390	20: 8				27: 4	28: 2	63: 8
			27: 5			29 JUL	3	5.0	2: 2	14:180	
18 JUL	3	4.0	1: 1	14: 2	27: 8	29 JUL	3	2.0	27: 60	28: 20	
			28: 19	36: 6		30 JUL	3	3.0	13: 8	14: 4	37: 1
18 JUL	3	4.0	1: 3	2: 1	8: 9	30 JUL	3	5.0	2: 2	14: 70	
			13: 18	24: 1		30 JUL	3	4.0	1: 1	14: 1	27: 26
19 JUL	3	5.0	14: 3	19: 1	27: 35				28: 18	36: 6	
19 JUL	3	5.0	1: 2	5: 2	14:385	31 JUL	3	4.0	5: 6	14: 26	30: 6
			20: 30						36: 8	63: 6	
20 JUL	3	5.0	1: 1	2: 1	5: 2	31 JUL	3	5.0	1: 2	2: 1	5: 12
			7: 1	14: 80	20: 3				14:170		
			27: 12			1 AUG	3	5.0	5: 2	14: 6	27: 6
20 JUL	3	4.0	13: 8	27: 40					28: 11	30: 16	36: 2
20 JUL	3	5.0	3: 16	5: 5	14: 10				63: 3		
			27: 36			1 AUG	3	5.0	1: 5	2: 2	13: 10
21 JUL	3	5.0	13: 27	14: 35	27: 25				14:210		
21 JUL	3	5.0	1: 1	2: 1	6: 2	2 AUG	3	3.0	5: 2	14: 4	27: 8
			14:120	20: 18	27: 2	3 AUG	3	4.0	2: 1	5: 1	13: 11
21 JUL	3	4.0	1: 1	14: 3	27: 67				14: 2	27: 8	37: 1
			28: 26	30: 12		3 AUG	3	5.0	1: 3	2: 1	13: 15

APPENDIX TABLE 26 (CONTINUED).

DATE	ZONE	HOURS FISHED	--- CATCH PER SPECIES ---			DATE	ZONE	HOURS FISHED	--- CATCH PER SPECIES ---		
3 AUG	3	5.0+	14:291	20: 15		12 AUG	3	4.0+	63: 3		
4 AUG	3	5.0	12: 1	14: 3	27: 11	12 AUG	3	5.0	14: 10	20: 20 27: 60	
			28: 8	30: 6	63: 1	13 AUG	3	2.5	14: 5	27: 30	
4 AUG	3	5.0	2: 2	13: 8	14:105	13 AUG	3	5.0	2: 2	5: 6 14: 60	
			20: 6						20: 12		
4 AUG	3	3.0	12: 2	14: 3	27: 25	13 AUG	3	4.0	2: 2	14: 2 27: 66	
			28: 18						28: 47	36: 2	
5 AUG	3	4.0	5: 1	13: 14	14: 26	13 AUG	3	4.0	13: 23	14: 9 37: 7	
			81: 5						49: 1		
5 AUG	3	5.0	1: 3	2: 2	5: 10	14 AUG	3	4.0	1: 4	27:200 28: 35	
			14: 90	20: 8					47: 1		
5 AUG	3	4.0	6: 1	7: 3	14: 13	14 AUG	3	3.5	14: 1	27: 27 28: 6	
			27: 8	28: 14	30: 8				36: 3		
			36: 1	63: 3		14 AUG	3	5.0	1: 4	2: 2 13: 3	
6 AUG	3	4.5	14: 11	15: 1	27: 27				14:106	20: 4	
			28: 18	30: 12	36: 4	15 AUG	3	5.0	1: 3	2: 1 5: 8	
			63: 8						14:256	20: 14	
6 AUG	3	5.0	1: 5	2: 1	12: 5	15 AUG	3	4.0	14: 3	27:250 28:200	
			14:240			16 AUG	3	5.0	27: 40		
6 AUG	3	4.0	11: 1	12: 2	13: 5	16 AUG	3	5.0	5: 2	14: 90 20: 3	
			14: 74	118: 2		18 AUG	3	6.0	13: 12	14: 1 37: 4	
7 AUG	3	4.0	2: 1	14: 3	27:150	19 AUG	3	6.0	13: 20	14: 25 37: 5	
			28:150			19 AUG	3	5.0	1: 7	2: 2 14: 35	
7 AUG	3	5.0	4: 1	5: 10	14:390				20: 3		
			20: 12			19 AUG	3	4.5	27: 42	28: 28 30: 6	
7 AUG	3	4.0	5: 1	7: 2	27: 36				36: 1		
			28: 28	30: 3	36: 5	20 AUG	3	4.0	1: 2	14: 3 27: 36	
			63: 6						28: 64	30: 12 36: 2	
8 AUG	3	4.0	14: 5	27:200	28: 10				47: 2		
9 AUG	3	4.0	4: 8	14: 15	27:350	20 AUG	3	5.0	1: 9	2: 1 13: 6	
			28: 50						14: 80	20: 10	
9 AUG	3	5.0	1: 7	2: 1	6: 30	20 AUG	3	6.0	13: 15	14: 40 37: 9	
			11: 2	12: 3	14: 60	21 AUG	3	4.0	8: 1	27: 50 28:200	
10 AUG	3	5.0	1: 8	5: 3	6: 10	21 AUG	3	5.0	13: 8	14:385	
			14:170	20: 10		21 AUG	3	4.0	1: 2	12: 2 14: 1	
10 AUG	3	4.0	5: 2	14: 12	27: 40				27: 76	28: 48 30: 6	
			28: 12	36: 3	63: 4				36: 3		
10 AUG	3	4.0	14: 2	27:300	28: 30	21 AUG	3	3.0	14: 10	27: 45	
11 AUG	3	4.0	1: 1	14: 2	27:200	22 AUG	3	5.0	14:265	36: 19	
			28: 50			22 AUG	3	4.0	14: 1	27:150 28: 50	
11 AUG	3	4.5	5: 1	14: 1	27: 74	23 AUG	3	4.0	1: 4	5: 1 14: 15	
			28: 16	30: 17					27:160	28: 75	
12 AUG	3	5.0	1: 1	2: 1	5: 3	23 AUG	3	5.0	1: 16	2: 3 14:440	
			12: 1	14:100	20: 5				20: 22		
12 AUG	3	4.0	1: 1	2: 1	5: 2	23 AUG	3	4.0	1: 6	7: 2 12: 1	
			7: 1	14: 8	27: 44				14: 4	27: 47 28: 76	
			28: 27	36: 1	54: 1				36: 2		

APPENDIX TABLE 26 (CONTINUED).

DATE	ZONE	HOURS FISHED	--- CATCH PER SPECIES ---			DATE	ZONE	HOURS FISHED	--- CATCH PER SPECIES ---		
24 AUG	3	5.0	1: 17	2: 4	14:391	10 SEP	3	4.0+	37: 15		
			20: 10			11 SEP	3	4.0	14: 9	27: 30	28: 8
25 AUG	3	4.0	1: 1	12: 1	14: 5	11 SEP	3	5.0	2: 1	14:165	19: 2
			27:150	28:100		12 SEP	2	2.0	90: 36		
26 AUG	3	4.0	1: 1	8: 3	27:200	14 SEP	3	4.0	1: 1	5: 1	14: 2
			28: 20						27: 30	28: 60	
26 AUG	3	5.0	1: 3	2: 4	5: 8	14 SEP	3	5.0	14:263		
			14:231	20: 6		15 SEP	3	4.0	1: 4	27: 90	28:100
26 AUG	3	4.5	12: 1	27: 36	28: 28	16 SEP	3	5.0	5: 3	14:420	19: 3
			36: 3	63: 2					20: 10	27: 40	
27 AUG	3	4.0	7: 2	12: 1	14: 1	17 SEP	3	5.0	2: 2	5: 8	14:170
			27: 44	28: 27	30: 4				20: 14		
			63: 3			17 SEP	3	4.0	1: 1	14: 2	27:175
28 AUG	3	5.0	2: 2	5: 10	14:240				28:300		
			20: 8			18 SEP	3	5.0	2: 2	5: 8	14:260
28 AUG	3	4.0	12: 1	14: 12	27: 46				19: 1	20: 15	27: 30
			28: 31	30: 8	36: 3	19 SEP	3	4.0	1: 1	5: 1	8: 1
			47: 1						27:250	28: 75	
29 AUG	3	5.0	1: 2	14:180		20 SEP	3	4.0	5: 1	14: 4	27:200
30 AUG	3	5.0	5: 5	14:140	20: 16				28: 60		
30 AUG	3	5.0	14: 5	27: 75	28: 50	20 SEP	3	3.0	5: 1	7: 2	14: 20
30 AUG	3	3.0	20: 10	27: 56					20: 3	27: 30	28: 2
31 AUG	3	4.0	14: 9	27: 90	28: 40	22 SEP	3	4.0	14: 17	27: 10	28: 10
			49: 1			23 SEP	3	4.0	4: 4	5: 2	14: 15
31 AUG	3	4.5	1: 2	14: 4	27: 37				19: 2	27: 25	
			28: 62	30: 1	36: 8	24 SEP	3	4.0	13: 15	37: 8	
2 SEP	3	5.0	14:350	20: 22	27: 40	27 SEP	3	12.0	14:128	27: 7	
2 SEP	3	4.0	1: 12	8: 1	14: 3	29 SEP	3	5.0	2: 1	14:140	20: 14
			27:150	28: 30		30 SEP	3	5.0	1: 1	2: 1	14:200
3 SEP	3	5.0	8: 3	13: 3	14: 5				20: 6	27: 4	
			20: 1	23: 1	27:200	30 SEP	3	4.0	1: 3	8: 1	14: 12
			28: 25						27:200	28:125	
3 SEP	3	5.0	14:180	20: 5	27: 18	1 OCT	3	5.0	4: 2	14:230	20: 22
4 SEP	3	5.0	14:110			2 OCT	3	5.0	1: 1	5: 3	7: 2
6 SEP	5	5.0	9: 1	27: 51	28: 10				14:300	16: 1	20: 15
7 SEP	3	4.0	1: 3	27:150	28: 40				27: 60	63: 4	
7 SEP	3	5.0	1: 2	14:172	20: 16	2 OCT	3	4.0	1: 18	14: 4	27:100
			27: 36						28:200		
8 SEP	3	4.0	2: 1	8: 1	14: 60	3 OCT	3	5.0	1: 1	2: 2	5: 36
			43: 2						14:220	20: 5	27: 6
9 SEP	3	4.0	1: 3	3: 1	4: 2	4 OCT	3	5.0	5: 20	14:190	16: 11
			12: 2	14: 40	27:200				20: 8	27: 25	
			28:100	43: 1		5 OCT	3	5.0	2: 2	4: 5	5: 40
9 SEP	3	5.0	14:226	20: 15	27: 30				14:300	16: 8	20: 6
10 SEP	3	5.0	14:185	20: 6	27: 10				27: 8		
			28: 5			5 OCT	3	4.0	1: 7	14: 4	27: 50
10 SEP	3	4.0	13: 2	14: 8	27: 20				28:110		

APPENDIX TABLE 26 (CONTINUED).

DATE	ZONE	HOURS FISHED	-- CATCH PER SPECIES --				DATE	ZONE	HOURS FISHED	-- CATCH PER SPECIES --			
5 OCT	3	5.0	5: 8	11: 1	14:120	20 OCT	3	4.0	1: 2	5: 2	14: 4		
			15: 1	16: 2	20: 30				19: 1	27: 25	28:125		
			27: 12			21 OCT	3	4.0	1: 2	5: 1	14: 16		
7 OCT	3	5.0	1: 1	2: 1	5: 35				27: 50	28:220			
			11: 3	14: 90	17: 1	21 OCT	3	5.0	2: 3	3: 2	5: 8		
			19: 1	20: 15	27: 15				6: 3	7: 12	14: 80		
8 OCT	3	5.0	1: 1	5: 1	14: 75				17: 15	20: 15	27: 55		
			16: 2	17: 1	19: 1				28: 10				
			20: 18			21 OCT	3	5.0	2: 2	14: 40	20: 25		
8 OCT	3	5.0	1: 8	14: 3	27: 60				27:100				
			28:120			22 OCT	3	5.0	1: 1	2: 2	14: 60		
8 OCT	3	5.0	1: 5	4: 1	5: 6				20: 15	27:125			
			6: 8	11: 2	14: 38	22 OCT	3	5.0	2: 2	14: 20	20: 40		
			16: 1	20: 16	27:322				27:450	28:140			
9 OCT	3	5.0	1: 1	5: 3	6: 11	22 OCT	3	4.0	1: 5	5: 2	12: 1		
			13: 1	14: 15	20: 9				14: 7	27: 50	28:250		
			27:340			22 OCT	3	6.0	1: 12	14: 26	27: 56		
9 OCT	3	5.0	1: 14	14: 5	27: 50				58:144				
			28:110			23 OCT	3	3.0	1: 3	5: 2	14: 5		
9 OCT	3	5.0	1: 3	4: 1	5: 8				27: 50	28:200			
			14: 75	16: 2	20: 6	23 OCT	3	5.0	2: 2	6: 8	13: 2		
10 OCT	3	5.0	1: 3	2: 1	4: 1				14: 90	17: 3	20: 6		
			5: 4	14: 12	27: 80				27:115	28: 20			
10 OCT	3	1.0	1: 6	27: 30	28: 20	23 OCT	3	5.0	2: 2	4: 1	5: 12		
12 OCT	3	4.0	1: 5	14: 3	27:150				7: 5	14: 5	20: 30		
			28:225						27:175				
14 OCT	3	4.0	14: 6	27:100	28:200	24 OCT	3	5.0	1: 2	2: 1	4: 1		
15 OCT	3	4.0	1: 1	14: 3	27: 75				5: 10	7: 13	14: 15		
			28:125						20: 12	27:125			
16 OCT	3	4.0	1: 4	5: 3	14: 11	24 OCT	3	4.0	1: 14	5: 4	14: 7		
			27:150	28:250					19: 1	27:100	28:300		
16 OCT	3	5.0	1: 1	2: 3	4: 1	24 OCT	3	5.5	1: 6	14: 4	27: 26		
			5: 10	6: 12	14: 40				58:105				
			20: 10	27:120	28: 30	24 OCT	3	12.0	5: 5	14:226	27: 72		
16 OCT	3	5.0	2: 1	3: 1	4: 1				28: 60				
			5: 10	7: 12	14: 25	25 OCT	3	3.0	1: 8	5: 2	14: 1		
			20: 12	27:120					27: 25	28:125			
17 OCT	3	5.0	1: 1	4: 1	5: 15	26 OCT	3	5.0	1: 4	2: 1	5: 2		
			7: 8	14: 8	20: 4				6: 6	11: 1	14: 25		
			27:135						20: 1	27:610	28: 50		
17 OCT	3	5.0	1: 3	2: 1	5: 3	27 OCT	3	5.0	1: 4	7: 6	14: 6		
			6: 6	14:100	20: 3				20: 10	27:225	28: 35		
			27:150	28: 30		27 OCT	3	6.0	1: 14	27: 51	58:185		
18 OCT	3	12.0	5: 9	13: 2	14: 51	28 OCT	3	6.0	4: 1	5: 1	11: 2		
			27: 28	28:103					14: 10	27:175	28: 75		
19 OCT	3	4.0	1: 3	14: 2	27: 20	28 OCT	3	6.0	1: 1	2: 2	3: 2		
			28:100						5: 3	6: 1	7: 10		

APPENDIX TABLE 26 (CONTINUED).

DATE	ZONE	HOURS FISHED	--- CATCH PER SPECIES ---			DATE	ZONE	HOURS FISHED	--- CATCH PER SPECIES ---		
28 OCT	3	6.0+	14: 20 28: 30	20: 1	27: 200	6 NOV	3	5.0	1: 1 14: 65	2: 4 27: 65	5: 4 28: 50
28 OCT	3	4.0	5: 4 28: 150	12: 2	27: 25	6 NOV	3	5.0	1: 7 27: 17	7: 9 58: 310	14: 5 28: 73
29 OCT	3	4.0	13: 15	37: 10		7 NOV	3	4.0	14: 13	27: 281	28: 73
29 OCT	3	5.0	1: 3 7: 30 27: 320	2: 2 14: 60 28: 60	5: 8 20: 6	7 NOV	3	5.0	2: 4 14: 105 28: 90	7: 1 20: 15	13: 22 27: 6
29 OCT	3	5.0	5: 8 27: 200	7: 15 28: 30	14: 120	8 NOV	3	5.0	1: 1 14: 2	4: 4 27: 50	6: 15 28: 60
29 OCT	3	6.0	1: 4	27: 35	58: 92	8 NOV	3	5.5	1: 3 27: 74	7: 14 58: 253	14: 12
30 OCT	3	5.0	2: 1 19: 3 28: 25	14: 75 20: 10	15: 8 27: 90	9 NOV	3	5.0	1: 5 27: 86	7: 18 58: 226	14: 7
30 OCT	3	5.0	1: 1 6: 3 20: 6	2: 2 11: 5 27: 600	5: 15 14: 45 28: 60	9 NOV	3	5.0	11: 10 28: 150	14: 30 27: 160	
30 OCT	3	4.0	1: 2 28: 150	14: 4	27: 50	10 NOV	3	5.0	1: 2 14: 41 28: 450	2: 4 16: 1	5: 8 27: 326
1 NOV	3	5.0	1: 1 27: 200	2: 3 28: 20	14: 70	11 NOV	2	5.0	1: 4 19: 1	12: 2 27: 50	14: 25 28: 275
3 NOV	3	5.0	1: 1 27: 25	12: 2 28: 150	13: 5	12 NOV	3	4.0	1: 19 5: 3	3: 2 14: 3	4: 2 27: 200
3 NOV	3	1.0	2: 1 28: 3	14: 20	27: 10	12 NOV	3	5.0	1: 4 14: 28	2: 10 27: 85	5: 6 28: 210
4 NOV	3	5.0	2: 2 14: 100 28: 30	5: 1 19: 1	11: 1 27: 75	12 NOV	3	5.0	1: 8 7: 10	4: 4 11: 2	5: 5 14: 30
4 NOV	3	5.0	1: 1 27: 40	2: 3 28: 15	14: 165	12 NOV	3	5.5	20: 10 1: 9	27: 175 7: 6	28: 200 14: 2
4 NOV	3	6.0	4: 18 27: 61	7: 1 28: 45	14: 9	13 NOV	3	5.0	27: 106 1: 4	58: 210 2: 1	
5 NOV	3	5.5	1: 6 27: 26	2: 1 58: 86	14: 10				4: 2 11: 2	5: 6 14: 50	7: 10 19: 1
5 NOV	3	2.0	14: 3	27: 32	28: 32				20: 15	27: 225	28: 95
5 NOV	3	5.0	2: 5 14: 120 28: 20	7: 3 19: 4	13: 8 27: 50	13 NOV	3	4.0	1: 11 8: 1	3: 2 12: 1	5: 6 19: 2
5 NOV	3	5.0	1: 2 27: 50	4: 1 28: 200	14: 22 84: 1	14 NOV	3	4.0	1: 8 5: 6	2: 3 11: 2	3: 1 14: 40
5 NOV	3	5.0	2: 5 19: 2	3: 1 20: 8	14: 175 27: 3	16 NOV	3	5.0	20: 10 1: 5	27: 325 2: 3	28: 440 11: 1
6 NOV	3	5.0	1: 7 8: 1 27: 150	2: 2 14: 10	7: 15 20: 5				14: 20 27: 30	19: 1 28: 115	20: 10
6 NOV	2	5.0	1: 2 27: 10	2: 1 28: 4	14: 40	16 NOV	3	5.5	1: 5 58: 340	14: 2 27: 65	
						17 NOV	3	5.0	1: 2	2: 2	3: 1

APPENDIX TABLE 26 (CONTINUED).

DATE	ZONE	HOURS FISHED	--- CATCH PER SPECIES ---			DATE	ZONE	HOURS FISHED	--- CATCH PER SPECIES ---		
17 NOV	3	5.0+	4: 4	5: 30	11: 6	4 DEC	3	4.0	1: 24	2: 1	3: 1
			12: 1	14: 30	19: 1				6: 6	7: 12	11: 2
			20: 18	27:215	28:300				12: 1	14: 10	27: 85
17 NOV	3	5.0	1: 1	2: 1	5: 15	4 DEC	3	4.0	1: 47	4: 2	14: 15
			11: 2	14: 35	20: 12				17: 1	20: 2	27: 85
			27:150	28:350					28:125		
18 NOV	3	4.0	1: 7	3: 30	4: 1	5 DEC	3	5.0	1: 24	6: 1	14: 20
			5: 6	14: 4	27: 50				27:120	28:120	
			28:450								
18 NOV	3	5.0	1: 3	2: 4	3: 12	5 DEC	2	4.0	4: 8	5: 3	14: 5
			11: 5	14: 50	20: 25				27: 10	28:400	
			27:175	28:275							
19 NOV	3	5.0	3: 1	4: 1	5: 4	9 DEC	3	4.0	1: 3	4: 1	5: 12
			27: 20	28:125					27: 25	28:500	
21 NOV	3	5.0	1: 2	3: 1	7: 3	9 DEC	3	5.0	1: 28	4: 1	6: 1
			14: 20	27: 90	28:440				14: 40	17: 1	27:190
									28:385		
26 NOV	3	4.0	14: 15	27: 75	28:125	9 DEC	3	5.0	1: 11	6: 15	14: 20
26 NOV	3	5.0	1: 4	3: 1	4: 1				20: 10	27:110	28:250
			7: 12	11: 1	14: 25	10 DEC	3	5.0	7: 15	13: 1	14: 85
			20: 6	27: 95	28:175				20: 15	27:220	28:250
26 NOV	3	5.0	14: 2	20: 3	27: 42	10 DEC	3	5.0	1: 20	6: 1	14: 5
			58:280						20: 5	27:425	28:100
27 NOV	3	5.5	3: 2	4: 4	5: 4	10 DEC	3	4.0	3: 2	4: 5	5: 15
			6: 1	7: 10	14: 6				8: 1	12: 1	14: 22
			16: 1	27: 67	58:324				27:100	28:150	84: 1
29 NOV	3	5.5	3: 8	5: 17	7: 5	15 DEC	3	6.0	4: 18	5: 6	6: 1
			14: 3	27: 49	58:486				14: 2	27:200	28:250
30 NOV	3	5.5	3: 12	4: 10	5: 26	15 DEC	3	6.0	1: 2	3: 4	4: 7
			7: 9	14: 1	27: 21				5: 24	7: 5	20: 6
			58:378						27: 45	58:321	
30 NOV	3	4.0	4: 14	5: 8	27: 25	16 DEC	3	6.0	1: 1	3: 5	4: 6
			28:350						5: 12	7: 10	27: 15
2 DEC	3	5.0	1: 6	3: 4	5: 9				58:302		
			7: 8	14: 2	27: 10	18 DEC	3	5.0	4: 5	5: 9	7: 6
			58:420						20: 2	58:364	
3 DEC	3	5.0	1: 7	3: 2	5: 21	19 DEC	3	5.0	4: 12	5: 14	7: 2
			7: 6	14: 5	27: 41				20: 6	58:410	
			58:355								
3 DEC	2	3.0	1: 2	3: 2	4: 31						
			5: 12	28:600							
3 DEC	3	5.0	1: 6	3: 12	11: 8						
			14: 30	20: 4	27:150						
			28:650								
3 DEC	3	6.0	1: 2	2: 1	3: 1						
			6: 4	7: 15	11: 3						
			12: 2	14: 18	20: 2						
			27:250	28:350							

APPENDIX TABLE 27. LOGGED 1983 TROLLING CATCH AND EFFORT FROM NORTH TEXAS

DATE	ZONE	HOURS FISHED	--- CATCH PER SPECIES ---			DATE	ZONE	HOURS FISHED	--- CATCH PER SPECIES ---			
30 APR	3	2.0	1:	1		26 JUN	3	7.0	1:	5		
7 MAY	6	3.0				29 JUN	3	1.0				
22 MAY	2	2.0				30 JUN	3	6.5	1:	1 6:	1	
28 MAY	2	1.0				8 JUL	3	5.5	1:	1		
28 MAY	3	4.5	1:	16 2:	1 5:	9 JUL	3	4.5	1:	35 2:	1 11:	1
			13:	1 22:	1 24:				13:	2		
28 MAY	3	2.0	3:	2 13:	15	10 JUL	3	6.0	1:	39		
29 MAY	3	2.0	2:	1 6:	2 24:	10 JUL	3	7.0	1:	24 8:	2	
29 MAY	2	10.0	1:	17 2:	7 3:	11 JUL	3	2.5	2:	1 6:	2 13:	31
			5:	1 24:	50 61:	11 JUL	3	7.0	1:	6		
29 MAY	3	7.0	1:	12 2:	2 5:	16 JUL	3	4.0	6:	2 14:	3	
			6:	1 8:	3 12:	19 JUL	3	3.0	1:	42 2:	3	
			24:	6		19 JUL	3	3.0	1:	9 2:	2 3:	1
3 JUN	2	8.0	1:	12 6:	5	20 JUL	3	4.0	1:	4 7:	2 13:	8
4 JUN	2	10.0	1:	7 2:	1 6:	20 JUL	3	2.5	1:	39 2:	1	
5 JUN	2	8.0	1:	4 2:	2 3:	22 JUL	3	3.0	1:	9 6:	18 7:	27
			6:	2		23 JUL	3	5.0	1:	10 3:	3 6:	5
8 JUN	3	2.0	1:	3 13:	2				12:	2 13:	1 24:	6
10 JUN	2	2.0	1:	5 2:	1 23:				36:	5		
10 JUN	2	6.0	1:	8 3:	1	23 JUL	3	6.0	1:	6 14:	14	
11 JUN	2	10.0	1:	24 3:	2 6:	24 JUL	3	2.0	6:	3		
11 JUN	2	3.0	1:	10 3:	1	24 JUL	3	2.0	1:	1 8:	2	
11 JUN	3	2.0	1:	31 24:	1	25 JUL	3	6.0	1:	5 2:	4 6:	12
14 JUN	2	1.0	24:	8		26 JUL	3	2.0	1:	1 6:	26 12:	4
15 JUN	3	2.5	8:	6 11:	1 13:	26 JUL	3	4.0	1:	6 2:	1	
16 JUN	3	6.0	1:	22 6:	1 24:	28 JUL	3	5.0	1:	28 2:	1 3:	1
17 JUN	3	6.5	1:	27 6:	30 12:				6:	25 24:	3	
18 JUN	3	7.0	1:	23 2:	2 6:	29 JUL	3	3.0	1:	4 3:	3 6:	8
			24:	31					13:	2		
18 JUN	3	6.0	1:	43 6:	3 7:	29 JUL	3	3.0	6:	28		
			36:	40		30 JUL	3	3.0	1:	17 6:	11	
18 JUN	2	10.0	1:	17 2:	2 3:	30 JUL	2	0.5	3:	4		
			5:	1 6:	4 10:	30 JUL	2	8.0	1:	1 2:	1 6:	40
			13:	1 24:	1				14:	1		
20 JUN	3	9.0	1:	2		30 JUL	3	4.0	1:	20 3:	4 6:	16
21 JUN	3	3.0	13:	19 22:	1 24:				13:	4		
21 JUN	3	2.0	1:	6 13:	1	31 JUL	3	1.0	1:	2		
22 JUN	3	6.0	1:	10 6:	3 12:	3 AUG	3	6.5	1:	18 6:	23	
			13:	1 24:	2 36:	4 AUG	3	6.5	1:	14 6:	6	
24 JUN	3	5.0	1:	29 6:	11	5 AUG	3	6.0	1:	15 2:	1 3:	4
24 JUN	3	3.0	8:	9 11:	4 13:				6:	1 12:	8 24:	4
			23:	1		6 AUG	2	9.0	1:	9 3:	4 6:	23
25 JUN	3	6.0	1:	33 2:	1 6:				12:	3 24:	261 87:	1
25 JUN	3	3.0	11:	5 13:	14 23:	6 AUG	3	3.0	1:	35 2:	1 3:	5
			24:	42					5:	1 6:	7 12:	2
25 JUN	3	4.0	1:	9 2:	1 5:				36:	1		
			7:	10 8:	17	6 AUG	3	7.0	1:	5 6:	3 39:	1

APPENDIX TABLE 27 (CONTINUED).

DATE	ZONE	HOURS FISHED	--- CATCH PER SPECIES ---			DATE	ZONE	HOURS FISHED	--- CATCH PER SPECIES ---		
7 AUG	3	5.0	1: 13	3: 1	6: 1	25 SEP	3	4.0+	12: 1		
			24: 2			30 SEP	3	4.0	1: 1	3: 4	6: 2
7 AUG	3	4.0	1: 4	2: 2	6: 30				12: 2	20: 1	
			12: 5			1 OCT	3	4.0	2: 1	6: 5	13: 4
7 AUG	2	7.0	1: 5	3: 6	5: 1				23: 6		
			6: 8	12: 2	14: 2	6 OCT	3	2.0	1: 1	3: 3	8: 1
			24: 120	39: 1		8 OCT	3	2.0	2: 2	3: 2	13: 1
7 AUG	3	3.0	1: 6	8: 3		9 OCT	3	2.0	2: 2	3: 1	
8 AUG	3	6.0	1: 24			15 OCT	3	1.0	8: 1	19: 2	
9 AUG	3	5.0	1: 31	2: 1	3: 25	16 OCT	3	2.0	1: 1	3: 1	8: 2
			12: 6						13: 1		
10 AUG	3	5.5	1: 21	2: 2		22 OCT	3	1.0	2: 1		
11 AUG	2	8.0	1: 15	2: 4	3: 10	5 NOV	3	2.0	3: 2		
			6: 16	12: 4	24: 30						
12 AUG	2	8.0	1: 6	3: 5	6: 7						
			12: 3	24: 3							
12 AUG	3	3.0	1: 3	2: 1	6: 8						
13 AUG	6	4.0	1: 4	2: 1	3: 6						
			6: 15	12: 2	24: 6						
13 AUG	3	3.0	1: 9	2: 1							
13 AUG	2	10.0	1: 30	3: 6	6: 1						
			24: 4								
13 AUG	3	4.0	1: 16	2: 1	3: 28						
			6: 13	12: 2	29: 6						
			36: 4								
14 AUG	3	3.0	1: 15	3: 2	8: 1						
			36: 15								
14 AUG	2	9.0	1: 21	3: 6	24: 5						
14 AUG	3	6.5	1: 7								
14 AUG	3	4.5	1: 8	3: 2	6: 10						
			24: 3								
16 AUG	2	3.5	2: 2	3: 14	24: 25						
16 AUG	3	6.0	1: 21	39: 1							
3 SEP	2	3.0	1: 7	3: 4							
4 SEP	3	2.0	1: 2	36: 6							
4 SEP	2	4.0	1: 3								
10 SEP	2	4.0	1: 5	3: 2	6: 1						
11 SEP	2	8.0	1: 11	3: 8	6: 6						
11 SEP	3	2.0	3: 1	6: 5							
13 SEP	2	10.0	1: 9	3: 21	6: 4						
			24: 2								
16 SEP	3	1.0	1: 2	2: 1	8: 5						
17 SEP	2	1.0									
17 SEP	3	2.0	8: 11	12: 2							
18 SEP	3	4.0	8: 17								
24 SEP	3	6.0	1: 7	24: 2	36: 5						
25 SEP	3	4.0	1: 3	2: 1	6: 4						

APPENDIX TABLE 28. LOGGED 1983 NON-TROLLING CATCH AND EFFORT FROM NORTH TEXAS

DATE	ZONE	HOURS FISHED	-- CATCH PER SPECIES --			DATE	ZONE	HOURS FISHED	-- CATCH PER SPECIES --		
4 APR	2	8.0	5: 1	14: 50	19: 1	19 JUN	2	8.0	1: 3	5: 1	13: 1
			58: 60						24: 1		
10 APR	3	6.0	14: 70	20: 4		21 JUN	3	0.5	8: 2	14: 22	29: 2
10 APR	3	5.0	14: 32	20: 12	36: 8				36: 1		
16 APR	3	3.0	14: 55	20: 6		21 JUN	3	3.0	5: 2	8: 6	14: 21
16 APR	3	7.0	13: 16	14: 1	58: 4				20: 5	36: 3	
23 APR	2	0.5	4: 1	28: 2		22 JUN	3	1.0	14: 14		
30 APR	3	4.0	12: 1	14: 59	20: 12	24 JUN	3	0.5	14: 2		
			28: 22			24 JUN	1	3.0	31: 22		
30 APR	3	5.5	14: 32			25 JUN	2	8.0	1: 98	2: 7	3: 10
1 MAY	3	6.0	14: 33	20: 5					6: 3	14: 9	19: 1
6 MAY	3	6.0	1: 2	14: 20	20: 1	25 JUN	3	2.5	14: 13	16: 1	19: 2
7 MAY	3	5.5	3: 1	12: 3	13: 1	25 JUN	3	0.5	14: 1		
			14: 50			26 JUN	3	4.0	1: 1	3: 2	6: 6
13 MAY	2	3.0	14: 6	19: 2	36: 1				14: 21	20: 6	24: 3
14 MAY	3	1.0	13: 1	14: 30	20: 1	26 JUN	2	4.0	1: 3	6: 3	
			43: 5			30 JUN	2	3.0	2: 1	7: 4	14:150
22 MAY	2	6.0	2: 42	6: 3	14: 10				36: 2		
			58: 22			1 JUL	1	4.0	31: 21	58: 20	
23 MAY	3	6.0	14: 40			2 JUL	1	8.0	31: 5	58: 60	
28 MAY	3	7.0	14: 15			2 JUL	2	3.5	7: 2	14: 70	36: 3
28 MAY	3	2.5	2: 1	14: 51	20: 4	3 JUL	2	4.0	1: 3	6: 5	14: 26
28 MAY	3	3.0	14: 15	20: 6	36: 6	4 JUL	2	8.0	6: 5	14: 30	
			107: 8			5 JUL	2	8.0	6: 8	14: 13	
28 MAY	2	8.0	1: 7	2: 15	6: 20	7 JUL	3	6.0	1: 1	5: 1	13: 9
			13: 1						14: 1	27: 2	
29 MAY	3	1.0	14: 19			9 JUL	3	6.0	1: 4	6: 1	14: 11
29 MAY	3	6.0	2: 1	14: 37	20: 3				20: 3	36: 2	
29 MAY	3	1.5	14: 15			9 JUL	3	8.0	1: 1	2: 1	14: 54
4 JUN	3	7.0	14: 25	36: 3		10 JUL	3	8.0	1: 1	2: 2	14: 50
4 JUN	3	6.5	5: 15	14: 55	19: 1	17 JUL	2	8.0	2: 2	14: 32	
			20: 12	22: 2		17 JUL	3	5.0	1: 1	2: 1	6: 2
5 JUN	3	6.0	1: 2	2: 3	3: 1				13: 1	14: 1	24: 11
			5: 11	6: 7	36: 5	19 JUL	3	4.0	6: 2	7: 6	12: 2
8 JUN	3	4.0	14: 17						13: 1	14: 23	19: 2
10 JUN	3	2.0	7: 1	13: 1	14: 28				36: 6		
			20: 5			19 JUL	2	2.0	2: 15	5: 1	14: 42
11 JUN	3	6.0	1: 1	2: 2	5: 26				36: 2		
			11: 1	14:151	20: 12	19 JUL	2	8.0	2: 2	14: 78	
11 JUN	3	4.0	14: 6	19: 1		20 JUL	3	2.0	14: 17	20: 1	36: 5
14 JUN	2	1.5	1: 6	2: 2	14: 18	21 JUL	2	8.0	1: 3	2: 3	6: 4
16 JUN	1	4.0	28: 10	31: 30					14: 70	24: 4	
17 JUN	1	4.0	28: 27	31: 39		22 JUL	2	8.0	1: 20	2: 2	3: 4
17 JUN	6	1.0	14: 42	36: 2					6: 6	10: 1	14: 6
18 JUN	3	1.0	14: 8	20: 1					24: 5		
19 JUN	3	6.5	1: 2	5: 5	14: 11	22 JUL	3	3.0	14: 22	19: 1	20: 1
			36: 40			23 JUL	3	1.0	14: 8		

APPENDIX TABLE 28 (CONTINUED).

DATE	ZONE	HOURS				DATE	ZONE	HOURS			
		FISHED	--- CATCH PER SPECIES ---					FISHED	--- CATCH PER SPECIES ---		
23 JUL	2	8.0	1: 3	8: 5	5 SEP	3	7.0	1: 1	2: 1	14: 27	
24 JUL	3	3.5	1: 1	13: 2	14: 21	10 SEP	3	3.5	2: 1	14: 30	
			19: 1	99: 1				36: 10	20: 2		
24 JUL	3	4.0	36: 3	54: 1	10 SEP	2	2.0	1: 1	2: 1	10: 1	
25 JUL	2	3.0	2: 1	13: 1	14: 41			14: 48			
26 JUL	2	0.5	14: 6		11 SEP	3	4.0	5: 14	14: 32		
26 JUL	3	1.5	14: 23	85: 1	16 SEP	3	4.0	5: 5	14: 53	19: 1	
27 JUL	2	8.0	2: 4	6: 20				36: 3			
28 JUL	3	1.0	14: 7	54: 5	17 SEP	3	2.0	5: 7	14: 21	58: 4	
29 JUL	3	4.0	5: 6	14: 19	36: 7	18 SEP	3	4.0	4: 52	5: 70	
29 JUL	3	3.0	13: 2	14: 28	23 SEP	3	4.5	14: 67	20: 2	19: 1	
29 JUL	1	4.0	31: 43		24 SEP	3	6.0	5: 6	14: 64	20: 15	
30 JUL	3	2.0	14: 5	36: 3	25 SEP	3	5.0	5: 12	14: 67		
30 JUL	3	3.5	14: 16		30 SEP	2	4.0	2: 5	5: 1	7: 2	
30 JUL	2	1.0	15: 20					12: 1	14: 60	19: 1	
31 JUL	2	8.0	1: 1	2: 2	3: 1	30 SEP	3	3.0	5: 23	14: 72	
			6: 30		1 OCT	2	4.0	2: 6	3: 1	7: 1	
3 AUG	2	8.0	1: 3	6: 31	12: 2			14: 71	19: 2		
			14: 16		1 OCT	3	4.0	5: 2	12: 1	14: 21	
6 AUG	3	2.0	14: 48	84: 1	6 OCT	3	4.0	5: 18	14: 47		
7 AUG	3	2.0	14: 19		8 OCT	2	3.0	14: 31	20: 4	28: 20	
7 AUG	3	3.0	13: 7	14: 15	8 OCT	3	4.0	5: 3	14: 83	36: 2	
9 AUG	3	1.0	14: 2	36: 8	9 OCT	3	3.5	2: 2	7: 1	11: 1	
12 AUG	2	1.0	5: 1					13: 5	14: 3	57: 4	
13 AUG	3	2.0	5: 30	20: 4	9 OCT	3	4.0	12: 1	13: 2	14: 52	
13 AUG	3	3.0	5: 2	14: 18				20: 4			
14 AUG	3	3.0	5: 57	14: 3	19: 1	10 OCT	2	1.5	14: 10	20: 2	
			20: 14	43: 1	15 OCT	3	6.0	5: 10	14: 123	20: 7	
21 AUG	3	5.5	14: 28					36: 1			
23 AUG	2	8.0	1: 11	2: 4	14: 75	15 OCT	3	3.0	14: 46	20: 3	
24 AUG	3	6.0	14: 47		16 OCT	3	4.0	5: 20	14: 61	28: 15	
27 AUG	3	3.5	2: 1	13: 1	14: 175			36: 3			
			20: 2		21 OCT	3	6.0	4: 1	5: 6	14: 43	
27 AUG	3	4.5	14: 13					20: 4	28: 2	36: 2	
2 SEP	2	10.0	1: 4	2: 2	3: 6	22 OCT	3	5.0	14: 77	28: 14	
			4: 2	5: 1	6: 21	29 OCT	3	6.0	4: 6	5: 3	
			12: 2	14: 20				20: 12	28: 9	14: 117	
3 SEP	2	6.0	5: 4	6: 2	13: 1	29 OCT	3	5.0	2: 1	14: 70	
			14: 19	20: 2		3 NOV	2	4.0	2: 4	7: 2	
3 SEP	3	6.0	1: 5	14: 25				14: 30	20: 4	13: 1	
4 SEP	3	6.5	1: 5	2: 1	6: 1	5 NOV	3	4.0	4: 1	12: 1	
			14: 21					36: 4	14: 47		
4 SEP	3	4.0	3: 1	6: 13	7: 6	6 NOV	2	4.0	2: 1	14: 25	
			13: 2	14: 145	20: 12	8 NOV	3	5.5	1: 1	14: 109	
4 SEP	2	5.0	4: 3	5: 5	6: 1	12 NOV	3	6.0	5: 23	13: 2	
			13: 1	14: 65	20: 3			20: 1	14: 97		
			93: 1			12 NOV	3	6.0	14: 123	19: 1	
									20: 2		

APPENDIX TABLE 28 (CONTINUED).

DATE	ZONE	HOURS FISHED	-- CATCH PER SPECIES --			DATE	ZONE	HOURS FISHED	-- CATCH PER SPECIES --		
17 NOV	3	3.5	14:	45	58:	21					
25 NOV	3	4.0	14:	51	19:	1	20:	2			
3 DEC	2	2.5	5:	9	14:	61	36:	3			
8 DEC	3	5.0	14:	85	20:	4					
15 DEC	3	5.5	2:	1	13:	2	14:	70			
			118:	4							

APPENDIX TABLE 29. LOGGED 1983 TROLLING CATCH AND EFFORT FROM SOUTH TEXAS

DATE	ZONE	HOURS FISHED	--- CATCH PER SPECIES ---				DATE	ZONE	HOURS FISHED	--- CATCH PER SPECIES ---							
6 APR	3	4.5	6:	3	12:	2	21 MAY	2	5.0	12:	3						
8 APR	3	4.5	6:	1	12:	2	21 MAY	3	4.0	6:	7	11:	4				
9 APR	3	4.5	6:	6			21 MAY	2	1.5	12:	4						
10 APR	3	8.0	21:	1	22:	1	22 MAY	6	4.5	7:	2	12:	3	24:	1		
13 APR	3	4.5	6:	1	12:	2	22 MAY	6	10.0	1:	2	7:	2	8:	11		
15 APR	3	4.5	12:	4						12:	12						
16 APR	3	6.5					22 MAY	3	4.0	1:	1	6:	10	12:	3		
20 APR	3	4.5	1:	2	24:	1	22 MAY	2	4.0	12:	6						
21 APR	3	3.0	6:	2			22 MAY	3	4.5	1:	2	6:	2	12:	3		
23 APR	3	4.5	6:	4	12:	2	24 MAY	3	9.0	1:	6	6:	4	12:	14		
24 APR	3	10.0	21:	2	23:	1	24:	1	25 MAY	3	4.5	1:	1	6:	7	12:	6
24 APR	3	0.5					26 MAY	2	3.0	8:	3	12:	8				
26 APR	3	4.5	6:	3	12:	1	26 MAY	2	5.0	2:	8	12:	2				
27 APR	3	4.5	1:	4	6:	3	12:	2	27 MAY	2	4.0	8:	8	12:	11		
28 APR	3	4.5	6:	12	12:	3	27 MAY	6	8.0	1:	1	2:	1	12:	3		
30 APR	3	4.5	1:	6	6:	1	12:	1	27 MAY	3	10.0	3:	1	21:	2	22:	3
30 APR	3	4.0	6:	35	8:	3					23:	2	24:	1			
1 MAY	3	8.0	1:	2	12:	4	24:	2	27 MAY	2	6.0	12:	6				
			113:	1			28 MAY	3	11.0	3:	2	21:	3	22:	5		
3 MAY	3	4.5	1:	5	6:	2	24:	2			23:	4					
4 MAY	3	5.0	1:	1	6:	1	28 MAY	3	10.0	22:	2	23:	1				
4 MAY	3	4.0	1:	1	6:	12	12:	5	29 MAY	3	10.0	22:	2	24:	1		
4 MAY	3	5.0	1:	1	8:	1	29 MAY	3	8.0	8:	4	12:	2	22:	2		
5 MAY	3	4.0	1:	2	6:	18	12:	7			23:	4					
5 MAY	1	4.5	58:	19			29 MAY	2	8.0	1:	2	12:	3				
6 MAY	1	4.5	9:	9	34:	3	58:	28	29 MAY	3	9.0	21:	2	22:	2	23:	1
			70:	8							24:	2					
7 MAY	3	10.0	1:	8	6:	7	12:	3	29 MAY	2	3.0	12:	1				
7 MAY	6	10.0	1:	8	8:	2	24:	1	30 MAY	3	4.5	6:	2	12:	4		
7 MAY	3	9.0	1:	14	2:	2			30 MAY	3	6.0	5:	1				
8 MAY	3	4.5	1:	4	12:	1	24:	4	30 MAY	2	4.0	8:	10	12:	2		
9 MAY	2	4.0	8:	1	12:	2			30 MAY	3	4.0	6:	3	12:	3		
10 MAY	3	8.0	1:	6	2:	1	12:	4	31 MAY	3	8.0	11:	10	13:	3		
			24:	2					31 MAY	2	4.0	1:	1	8:	8	12:	2
11 MAY	3	5.0	1:	2	12:	2			31 MAY	2	4.5	1:	2	12:	4		
12 MAY	3	4.5	1:	4	6:	4			1 JUN	2	2.0						
14 MAY	3	9.0	21:	2	23:	4			1 JUN	2	7.0	1:	7	12:	6		
14 MAY	3	4.0	8:	7					2 JUN	3	4.5	1:	6	3:	2	6:	2
14 MAY	3	4.0	6:	10	12:	3					12:	1					
15 MAY	3	4.0	6:	15	12:	5			2 JUN	2	8.0	1:	4	12:	3		
15 MAY	3	4.5	1:	2	6:	6	12:	1	3 JUN	2	8.0	1:	5	6:	2	12:	4
16 MAY	3	5.0	1:	4	6:	2			3 JUN	2	5.0	1:	7	12:	4	61:	1
16 MAY	3	4.0	6:	10	12:	3			3 JUN	3	4.5	1:	2	3:	1	6:	4
17 MAY	2	6.0	12:	14	104:	1					12:	2					
18 MAY	3	4.5	1:	1	6:	1			4 JUN	3	11.0	6:	2	21:	2	22:	4
20 MAY	2	6.0	12:	5							24:	1					
20 MAY	3	8.0	1:	2	6:	2	12:	6	4 JUN	2	2.0	2:	1	12:	1		

APPENDIX TABLE 29 (CONTINUED).

DATE	ZONE	HOURS FISHED	--- CATCH PER SPECIES ---				DATE	ZONE	HOURS FISHED	--- CATCH PER SPECIES ---					
4 JUN	2	5.0	1:	9	8:	3	12:	1	16 JUN	3	4.0	1:	4	6:	3
4 JUN	2	8.0	1:	3	6:	2	12:	7	16 JUN	2	6.0	1:	7	12:	5
			36:	4					17 JUN	3	9.0	21:	2	24:	1
4 JUN	6	10.0	1:	1	8:	18	12:	6	17 JUN	3	5.0	1:	15	12:	2
5 JUN	2	7.0	1:	2					18 JUN	6	5.0	1:	18	24:	38
5 JUN	3	11.0	21:	1	22:	4	23:	1	18 JUN	2	8.5	1:	26	12:	3
			24:	2					18 JUN	3	10.5	22:	3	23:	1
6 JUN	3	4.5	1:	2	6:	12			18 JUN	2	6.0	1:	5	8:	8
7 JUN	3	4.5	1:	2	6:	4	12:	3	19 JUN	3	10.0	21:	2	22:	2
7 JUN	3	4.0	1:	5	12:	10						68:	3		
8 JUN	2	4.0	1:	1	8:	6	12:	2	19 JUN	2	6.0	1:	3	8:	8
8 JUN	3	4.0	1:	2	6:	4	12:	6	19 JUN	2	7.5	1:	1	12:	1
8 JUN	3	10.0	21:	2	22:	2	68:	4	19 JUN	3	10.0	68:	3		
8 JUN	2	5.0	1:	3	12:	1	29:	1	19 JUN	2	8.0	1:	5		
			61:	1					20 JUN	6	4.5	1:	3	12:	1
8 JUN	2	7.0	1:	3	12:	12						56:	6		
9 JUN	2	5.0	12:	2	14:	1	29:	2	20 JUN	3	9.0	21:	1	22:	2
			110:	1								68:	2		
9 JUN	2	7.0	1:	6	3:	1	8:	2	22 JUN	3	4.5	1:	2	6:	8
			12:	2	29:	2			22 JUN	2	7.0	1:	5	12:	2
9 JUN	2	4.0	1:	2	12:	2			23 JUN	3	4.5	1:	5	6:	4
9 JUN	3	2.0	12:	6					23 JUN	2	6.0	1:	6	12:	5
9 JUN	2	7.0	1:	3	6:	1	12:	1	24 JUN	3	10.0	21:	5	22:	1
10 JUN	2	8.0	1:	2	6:	4	12:	2	24 JUN	6	5.0	2:	3	12:	1
10 JUN	2	6.0	1:	9	12:	7	29:	2				63:	1		
			56:	1	104:	1			25 JUN	3	4.5	1:	1	12:	1
10 JUN	2	7.0	1:	6	6:	1	12:	2				29:	1	56:	2
11 JUN	2	4.5	1:	1	12:	5			25 JUN	2	7.0	1:	4	3:	1
11 JUN	2	7.0	12:	1	29:	2						12:	2		
11 JUN	3	10.0	21:	2	23:	1	68:	1	25 JUN	3	7.0	21:	1	39:	1
11 JUN	2	7.0	12:	1	29:	6			26 JUN	3	9.0	1:	1	6:	4
11 JUN	2	8.0	1:	3	12:	2						23:	2		
12 JUN	2	7.0	1:	3	3:	1	8:	1	26 JUN	3	4.5	1:	3	3:	1
			104:	3								61:	1		
12 JUN	2	6.0	1:	9	12:	5			27 JUN	3	4.5	1:	4	6:	1
12 JUN	3	9.0	21:	4	23:	1	24:	2	28 JUN	2	6.0	1:	5	3:	3
			68:	2					28 JUN	6	4.5	12:	1		
12 JUN	2	1.0							29 JUN	6	4.5	29:	2		
13 JUN	3	8.5	22:	3	39:	2			29 JUN	3	10.0	21:	3	23:	2
14 JUN	6	5.0	1:	8	12:	1	29:	1	29 JUN	2	7.0	1:	6	3:	3
14 JUN	3	4.5	1:	4	2:	1	6:	2	30 JUN	3	4.5	1:	2	6:	5
			23:	1					2 JUL	3	9.0	21:	3	22:	1
15 JUN	2	6.0	1:	5	12:	6						39:	1		
15 JUN	3	4.5	1:	2	6:	4			2 JUL	2	6.0	1:	4	3:	2
15 JUN	6	5.0	1:	1	8:	1	12:	8	2 JUL	2	7.0	1:	6	12:	4
			14:	7	29:	2	56:	1	3 JUL	6	4.5	1:	1	56:	5
15 JUN	3	4.0	1:	5	6:	2			3 JUL	3	10.0	21:	2	22:	1
												23:	3		

APPENDIX TABLE 29 (CONTINUED).

DATE	ZONE	HOURS FISHED	-- CATCH PER SPECIES --						DATE	ZONE	HOURS FISHED	-- CATCH PER SPECIES --					
3 JUL	3	10.0+	24:	4					16 JUL	3	11.0	6:	2	21:	4	23:	1
3 JUL	2	6.0	1:	6	3:	3	12:	3				24:	2				
3 JUL	2	3.0	1:	2	6:	5			16 JUL	3	5.0	1:	2				
4 JUL	2	7.0	1:	5	3:	5	8:	2	17 JUL	2	7.0	1:	6	3:	1	6:	2
			12:	2					17 JUL	3	11.5	2:	1	21:	5	22:	2
5 JUL	3	9.0	21:	1	22:	4	24:	6				24:	1				
			38:	1					17 JUL	3	4.5	12:	3				
6 JUL	2	7.0	1:	8	3:	2	12:	2	18 JUL	3	4.5	1:	1	12:	3		
6 JUL	3	6.0	22:	2	23:	4			19 JUL	3	5.0	1:	4	3:	1	6:	4
6 JUL	6	5.0	1:	8	2:	2	3:	1				12:	2				
			8:	1					19 JUL	2	8.0	1:	17	3:	2	12:	1
6 JUL	2	7.5	1:	12	12:	5	36:	3	19 JUL	2	5.0	1:	4	24:	9		
6 JUL	3	10.0	14:	1	24:	30			20 JUL	2	8.0	1:	5	12:	1	24:	12
7 JUL	2	7.0	1:	15	2:	1	12:	8	20 JUL	3	4.5	1:	2	3:	3	6:	6
7 JUL	2	7.0	1:	9	3:	1	8:	3				24:	1				
			12:	1					20 JUL	2	8.0	1:	5	12:	6		
8 JUL	2	6.0	1:	6	3:	3	12:	3	20 JUL	3	4.5	1:	3	7:	1	8:	2
8 JUL	2	7.0	1:	7	12:	4						12:	1	14:	1	72:	1
8 JUL	3	5.0	1:	6	29:	1	56:	1	21 JUL	3	4.5	1:	2	8:	1		
8 JUL	2	7.0	1:	3	6:	3			21 JUL	2	6.0	1:	4	3:	3	8:	4
8 JUL	3	11.5	21:	2	22:	1	23:	5	21 JUL	3	5.0	1:	1	6:	7	12:	2
			38:	1					22 JUL	3	4.5	1:	12	24:	4		
9 JUL	3	11.5	6:	5	23:	4			22 JUL	2	7.0	1:	4	3:	3	24:	2
9 JUL	2	6.0	1:	1	6:	4			22 JUL	3	18.0	21:	2	22:	1	23:	2
9 JUL	6	4.5	1:	9	12:	4	14:	1				33:	1	39:	1		
			43:	1					22 JUL	3	5.0	3:	1	8:	4	23:	2
9 JUL	2	7.0	1:	8	3:	1	12:	2	23 JUL	3	10.0	22:	2	23:	2	55:	1
9 JUL	3	11.0	21:	5	22:	1	23:	3	23 JUL	2	8.0	1:	5	3:	1		
			24:	2					23 JUL	3	5.0	1:	8	8:	1	12:	3
10 JUL	3	10.0	1:	6	2:	1	6:	13	23 JUL	2	7.0	1:	9	12:	3	36:	4
			12:	2					23 JUL	3	9.5	21:	4	22:	3	24:	4
10 JUL	2	7.0	1:	7	12:	2			23 JUL	2	6.0	1:	5	3:	4	8:	3
10 JUL	6	4.5	1:	20	56:	1						24:	1				
10 JUL	2	8.0	1:	2	6:	1	104:	1	24 JUL	2	7.0	1:	6	3:	2	8:	2
11 JUL	2	3.0	1:	1								24:	1				
11 JUL	6	4.5	1:	3	8:	1	24:	1	24 JUL	3	10.0	21:	4	22:	1	23:	1
11 JUL	3	5.0	1:	2	6:	6	12:	3				24:	3	38:	1		
			24:	1					24 JUL	3	4.5	1:	9	14:	1	56:	2
12 JUL	3	4.5	2:	2	12:	1	22:	1	24 JUL	2	8.0	1:	3	2:	1	12:	1
			24:	4								24:	5				
13 JUL	3	9.0	21:	3	22:	2	23:	5	25 JUL	3	4.0	1:	4	6:	2		
			39:	1					25 JUL	3	4.5	1:	11	56:	3		
13 JUL	2	6.0	1:	2	3:	2	12:	2	25 JUL	3	11.0	21:	2	24:	4	55:	1
13 JUL	2	2.0							26 JUL	3	5.0	1:	1	8:	9		
13 JUL	2	8.0	1:	4	3:	1	6:	3	27 JUL	3	4.5	1:	4	6:	2	10:	1
14 JUL	3	5.0	8:	9	24:	2			27 JUL	2	6.0	1:	5	3:	2	8:	4
15 JUL	3	4.5	1:	3	3:	2	6:	4	27 JUL	3	5.0	1:	18				

APPENDIX TABLE 29 (CONTINUED).

DATE	ZONE	HOURS FISHED	--- CATCH PER SPECIES ---				DATE	ZONE	HOURS FISHED	--- CATCH PER SPECIES ---							
28 JUL	3	5.0	1:	22	2:	2	5 AUG	2	5.0	1:	14	3:	1	14:	1		
28 JUL	3	8.0	1:	6	2:	2	23:	2	29:	2	1:	5	2:	1	8:	10	
			24:	2			5 AUG	3	10.0	22:	1						
28 JUL	3	7.0	21:	2	22:	1	23:	4	6 AUG	3	14.0	21:	12	23:	3	39:	1
			24:	1					6 AUG	3	14.0	55:	1				
29 JUL	3	4.5	1:	3	6:	7	10:	2	6 AUG	2	8.0	1:	5	2:	1		
29 JUL	2	6.5	1:	12	12:	5			6 AUG	2	8.0	1:	14	2:	2	12:	4
29 JUL	3	5.0	1:	15	7:	1	12:	1	6 AUG	2	8.0	1:	14	8:	2	12:	1
			56:	3					6 AUG	2	8.0	1:	14	8:	2	12:	1
30 JUL	2	7.0	1:	3	2:	2	12:	4	6 AUG	6	4.0	1:	6	2:	1	14:	2
30 JUL	6	4.5	1:	7	12:	1			6 AUG	3	10.5	22:	1	39:	1		
30 JUL	2	6.0	1:	8	8:	1			6 AUG	3	4.5	1:	2	3:	3	6:	6
30 JUL	3	10.0	21:	3	22:	1	24:	2				24:	2				
			55:	1					7 AUG	3	9.0	1:	11	2:	1	6:	4
30 JUL	3	10.0	21:	1	24:	1	55:	2	7 AUG	2	7.0	1:	11	12:	8		
30 JUL	2	8.0	1:	14	6:	1	24:	1	7 AUG	6	4.0	1:	4				
31 JUL	2	8.0	1:	7	2:	1	6:	2	7 AUG	2	8.0	1:	9				
31 JUL	3	4.5	1:	2	3:	4	6:	1	7 AUG	3	12.0	7:	1	21:	1	22:	1
31 JUL	2	6.0	1:	9	3:	1	36:	3				23:	9	24:	1	55:	1
31 JUL	3	6.0	11:	2	23:	2			8 AUG	3	5.0	1:	16	8:	2	12:	6
31 JUL	2	4.5	1:	16	8:	2	12:	1				35:	1				
31 JUL	2	8.0	1:	6					8 AUG	3	4.5	1:	5	24:	2		
1 AUG	6	4.5	1:	9	2:	1	12:	5	9 AUG	3	5.0	1:	3	2:	1	6:	6
1 AUG	2	8.0	1:	11	12:	5						23:	2				
1 AUG	2	6.0	1:	12	12:	1	24:	2	9 AUG	3	5.0	1:	3	8:	14		
			36:	7					10 AUG	2	8.0	1:	8				
2 AUG	2	6.0	1:	2	24:	2	36:	2	10 AUG	3	5.0	1:	19				
2 AUG	3	3.0	1:	4	12:	3	29:	1	11 AUG	2	8.0	1:	8	6:	2	36:	5
			56:	5					11 AUG	6	4.5	1:	14	2:	2	3:	1
2 AUG	3	4.0	1:	5	6:	2			11 AUG	3	9.0	1:	16	3:	2	6:	4
2 AUG	3	10.0	21:	3	22:	1	24:	2				23:	4				
			55:	1					11 AUG	3	10.0	11:	1	23:	4	24:	1
3 AUG	3	4.5	6:	4	23:	2	24:	2				39:	1				
3 AUG	2	7.0	1:	6	2:	1	3:	2	12 AUG	3	10.0	8:	4	21:	1	24:	1
3 AUG	3	4.5	1:	12	2:	1	12:	3	12 AUG	2	8.0	1:	9	104:	1		
			39:	1	56:	1			12 AUG	3	4.5	1:	3	2:	1	6:	6
3 AUG	2	5.0	1:	7	8:	8						24:	2				
4 AUG	3	10.5	1:	1	23:	1			12 AUG	3	5.0	1:	19	3:	1		
4 AUG	2	8.0	1:	11	24:	1			13 AUG	2	8.0	1:	1				
4 AUG	2	7.0	1:	7	29:	1			13 AUG	3	4.5	1:	7	14:	1		
4 AUG	3	4.5	1:	6	56:	7			13 AUG	3	11.0	6:	1	11:	1	21:	4
4 AUG	3	10.5	21:	1	22:	1	24:	1				23:	1	24:	3		
			39:	1					13 AUG	2	8.0	1:	7	104:	1		
5 AUG	3	9.0	1:	4	6:	6	10:	1	13 AUG	3	10.0	1:	1	11:	2	55:	1
5 AUG	3	10.5	23:	2					14 AUG	3	8.0	21:	1	23:	2	55:	1
5 AUG	2	8.0	1:	2	3:	2	11:	2	14 AUG	3	10.0	1:	1	2:	1	21:	1
			12:	1								23:	2	24:	4		

APPENDIX TABLE 29 (CONTINUED).

DATE	ZONE	HOURS FISHED	--- CATCH PER SPECIES ---				DATE	ZONE	HOURS FISHED	--- CATCH PER SPECIES ---			
14 AUG	3	5.0	1: 16	3: 12	12: 1	3 SEP	3	11.0	6: 2	21: 4	55: 1		
			56: 1			3 SEP	2	8.0	1: 15	2: 1			
15 AUG	3	4.5	1: 4	3: 2	6: 4	4 SEP	3	11.0	21: 2	22: 1	23: 4		
			23: 1						24: 2				
16 AUG	3	4.5	1: 2	2: 2	6: 6	4 SEP	3	4.5	1: 22	8: 2	12: 4		
			23: 1	24: 2					56: 1	78: 1			
16 AUG	6	3.0	1: 10			5 SEP	3	6.0	1: 10	3: 2	24: 3		
19 AUG	3	5.0	1: 2	3: 3	6: 11	6 SEP	3	4.5	1: 1	2: 2	3: 3		
			24: 1						6: 4	24: 2			
20 AUG	3	4.5	2: 1	6: 6	23: 4	7 SEP	3	5.0	1: 6	6: 1	24: 1		
			24: 1			9 SEP	3	5.0	1: 1	2: 2	3: 1		
21 AUG	3	5.5	1: 2	3: 4	6: 4				24: 1				
			24: 2			10 SEP	3	11.0	6: 1	21: 4	23: 1		
21 AUG	3	8.0	6: 3	21: 2	23: 2				24: 2				
			24: 3			10 SEP	2	7.0	1: 3	12: 1			
21 AUG	3	4.5	1: 19	8: 2	56: 1	11 SEP	3	11.0	6: 4	21: 5	23: 4		
			78: 1						24: 2				
21 AUG	2	6.0	1: 12	3: 4	8: 4	11 SEP	3	4.0	1: 1	6: 3	23: 2		
			29: 1			13 SEP	3	4.5	1: 4	3: 4	6: 1		
22 AUG	3	9.0	1: 4	6: 5	24: 1	14 SEP	3	5.0	1: 3	3: 2	6: 6		
23 AUG	3	4.5	1: 5	3: 2	6: 1				23: 1				
23 AUG	2	7.0	1: 18	8: 4		16 SEP	3	4.5	1: 2	2: 1	6: 7		
23 AUG	3	4.0	1: 4	12: 1	14: 1				24: 4				
23 AUG	2	8.0	1: 5	12: 1	36: 2	17 SEP	3	11.0	21: 6	23: 2	24: 1		
25 AUG	3	10.0	1: 2	11: 5	21: 2				55: 1				
			39: 2			17 SEP	2	5.0	1: 8	3: 1	12: 3		
26 AUG	3	6.5	1: 11	3: 2	6: 8	18 SEP	3	7.0	21: 1	23: 1	24: 1		
			24: 2			19 SEP	3	4.5	1: 2	23: 7	24: 2		
26 AUG	3	10.0	21: 5	24: 2	55: 1	21 SEP	3	10.0	2: 1	6: 11	23: 13		
26 AUG	3	4.5	2: 1	24: 14	56: 1				55: 1				
27 AUG	3	6.0	8: 18	29: 2	36: 1	22 SEP	3	4.5	1: 2	6: 5	23: 6		
27 AUG	2	9.0	1: 12	2: 2	6: 1	24 SEP	3	9.0	1: 6	2: 2	6: 14		
27 AUG	3	4.0	1: 4	3: 1	24: 3				23: 11				
27 AUG	3	8.0	11: 2	24: 15		24 SEP	3	1.0	1: 11	29: 6			
27 AUG	2	8.0	1: 14	2: 1	24: 3	25 SEP	2	6.0	1: 10	3: 2	8: 2		
28 AUG	2	8.0	1: 10	2: 1	12: 4	25 SEP	3	4.0	1: 1	23: 2	24: 1		
			36: 3			25 SEP	3	4.0	1: 4	2: 2	6: 6		
31 AUG	3	5.0	1: 17	3: 2	24: 7				23: 2				
			56: 2			28 SEP	3	4.5	1: 1	6: 11	23: 6		
31 AUG	3	4.5	1: 6	6: 1	12: 2	28 SEP	3	4.0	23: 1				
			24: 1			29 SEP	3	4.5	1: 5	6: 2	23: 1		
1 SEP	3	4.5	1: 2	3: 6	6: 8				24: 1				
1 SEP	3	4.0	1: 6	3: 3	24: 6	30 SEP	3	5.0	1: 2	6: 12	23: 8		
			29: 1			1 OCT	2	8.0					
1 SEP	2	8.0	1: 8	12: 2		1 OCT	3	11.0	21: 2	23: 4	24: 5		
3 SEP	3	4.5	1: 7	3: 1		1 OCT	3	2.0	29: 1				
3 SEP	2	4.0	1: 6	12: 3		1 OCT	2	7.0	1: 12	3: 3	8: 5		

APPENDIX TABLE 29 (CONTINUED).

DATE	ZONE	HOURS FISHED	-- CATCH PER SPECIES --				DATE	ZONE	HOURS FISHED	-- CATCH PER SPECIES --					
1 OCT	2	7.0+	12:	2				11 NOV	3	10.0+	6:	5	10:	1	
2 OCT	3	11.0	2:	1	6:	4	22:	2	13 NOV	3	5.0	1:	1	10:	1
			23:	6	24:	1			16 NOV	3	5.0	4:	1	10:	3
4 OCT	3	4.5	1:	11	3:	1	6:	4	18 NOV	3	2.5	10:	1	12:	6
			23:	2					20 NOV	3	10.0	1:	6	3:	5
7 OCT	3	4.5	4:	4	23:	3	24:	2				12:	2		
8 OCT	3	10.0	6:	3	21:	2	22:	1	23 NOV	3	4.5	1:	2	12:	3
			23:	6	24:	1			26 NOV	3	6.0	1:	1	2:	1
8 OCT	2	3.0	1:	8					27 NOV	3	5.0	6:	2		
9 OCT	3	5.0	1:	14	7:	11			1 DEC	3	5.0	1:	1	6:	6
9 OCT	3	4.5	1:	1	3:	4	6:	2							
			23:	5											
9 OCT	3	4.5	29:	2											
11 OCT	3	5.0	10:	1											
12 OCT	3	4.5	1:	1	6:	12	23:	6							
13 OCT	3	5.0													
14 OCT	3	4.0	1:	1	23:	3									
14 OCT	3	5.0	1:	2	7:	6	23:	1							
			24:	2											
15 OCT	3	4.0	22:	1	23:	3									
15 OCT	3	4.0	1:	1	7:	2	10:	1							
			24:	8											
15 OCT	2	3.0	1:	10											
16 OCT	3	5.0	6:	2	22:	1	23:	3							
17 OCT	3	4.5	1:	2	2:	1	3:	8							
			10:	1											
18 OCT	3	5.0	3:	6	4:	1	10:	1							
19 OCT	3	4.0	6:	2	23:	1	24:	1							
21 OCT	3	4.5	1:	1	6:	4									
22 OCT	3	5.0	6:	3	23:	2									
22 OCT	3	4.5	2:	1	6:	7	24:	2							
23 OCT	3	5.0	1:	2	6:	4	24:	4							
23 OCT	3	4.0	3:	1	6:	3	23:	5							
27 OCT	3	4.5	1:	5	3:	11	6:	2							
29 OCT	3	10.0	4:	1	10:	3									
29 OCT	3	4.0	1:	1	6:	2	23:	3							
30 OCT	3	10.0	4:	4	10:	3	12:	1							
1 NOV	3	4.5	10:	1	12:	6									
3 NOV	3	5.0	1:	2	3:	8	6:	4							
			12:	1											
3 NOV	2	5.0	10:	1	24:	1									
4 NOV	3	4.0	6:	1	23:	1									
5 NOV	3	6.0	1:	1	11:	7	13:	1							
			23:	3	29:	1									
6 NOV	3	5.0	4:	1	10:	2	12:	1							
6 NOV	3	5.0	11:	5	13:	1	23:	2							
11 NOV	3	10.0	1:	11	2:	2	3:	6							

APPENDIX TABLE 30. LOGGED 1983 NON-TROLLING CATCH AND EFFORT FROM SOUTH TEXAS

DATE	ZONE	HOURS FISHED	--- CATCH PER SPECIES ---					DATE	ZONE	HOURS FISHED	--- CATCH PER SPECIES ---				
2 APR	1	3.5	4:	1	58:	8	7 OCT	1	4.0	4:	14	9:	3	31:	16
8 APR	1	3.0	4:	3	58:	6				34:	2	70:	2	76:	2
9 APR	1	2.0	58:	3			8 OCT	2	2.0	4:	2	14:	41	36:	3
21 APR	3	1.5	6:	4			8 OCT	1	6.0	9:	1	20:	1	28:	38
23 APR	1	4.0	4:	1	34:	1	9 OCT	3	2.0	14:	21	29:	2		
25 APR	2	5.0	14:	48	34:	8	10 OCT	1	4.0	4:	9	30:	9	31:	16
			43:	1	61:	1	11 OCT	1	5.0	4:	7	30:	7	31:	12
3 MAY	1	5.0	9:	3	28:	4				73:	1				
			34:	1	90:	2	13 OCT	1	4.0	4:	26	31:	9	43:	2
5 MAY	2	4.5	1:	4	14:	45	15 OCT	2	2.0	7:	6	14:	11	29:	1
			56:	3	76:	8	15 OCT	3	6.0	2:	1	5:	8	11:	1
13 MAY	1	4.5	4:	4	90:	1				13:	37	14:	10	20:	5
21 MAY	1	8.0	45:	6	73:	11	15 OCT	1	4.0	4:	1				
26 MAY	2	1.0	14:	13	36:	2	16 OCT	1	4.0	3:	1	4:	1	5:	2
27 MAY	1	5.0	4:	5	34:	1				20:	1	28:	33	84:	3
28 MAY	1	5.0	4:	8	34:	1	20 OCT	4	5.0	4:	1	31:	12		
29 MAY	1	4.5	4:	1			21 OCT	4	5.0	4:	4	31:	8		
4 JUN	2	8.0	27:	21	28:	5	21 OCT	2	5.0	1:	4	14:	40	20:	7
6 JUN	1	5.0	4:	1	5:	2	22 OCT	3	5.0	5:	3	13:	11	14:	35
			28:	2	31:	56				18:	1	20:	5		
7 JUN	1	5.0	4:	3	31:	6	22 OCT	2	3.0	14:	37				
9 JUN	1	3.0	31:	10			22 OCT	4	5.0	4:	3	31:	17		
9 JUN	2	0.5	14:	2			23 OCT	1	4.0	2:	2	14:	31		
18 JUN	1	3.0	4:	5	70:	1	24 OCT	4	4.0	4:	2	31:	12		
19 JUN	1	3.0	4:	1			25 OCT	4	4.0	31:	18				
25 JUN	2	8.0	1:	2	29:	3	26 OCT	4	4.0	4:	4	31:	12		
10 JUL	6	1.0	14:	12			27 OCT	4	4.0	4:	9	31:	22		
11 JUL	6	0.5	14:	3			29 OCT	1	4.0	9:	1	27:	43	28:	1
22 JUL	3	0.5	14:	5			31 OCT	2	6.0	7:	11	14:	71	20:	9
5 AUG	2	6.0	2:	1	14:	24	1 NOV	3	6.0	5:	5	13:	14	14:	3
6 AUG	2	0.5	14:	4	45:	1				20:	13				
26 AUG	3	1.0	14:	31			2 NOV	1	6.0	58:	30				
31 AUG	3	0.5	14:	2			4 NOV	1	6.0	4:	6	28:	21	31:	29
2 SEP	2	7.0	2:	1	14:	17	4 NOV	2	6.0	14:	20	27:	5	28:	12
			56:	2			5 NOV	1	5.0	4:	4	82:	1		
5 SEP	1	3.0					7 NOV	1	6.0	4:	1	20:	5	27:	6
9 SEP	3	8.0	2:	2	13:	1	9 NOV	1	6.0	58:	30				
10 SEP	1	4.0	4:	8	58:	10	12 NOV	1	6.0	4:	3	27:	12	28:	23
11 SEP	1	5.0	58:	15			14 NOV	1	6.0	58:	30				
16 SEP	1	4.0					15 NOV	1	4.0	4:	2	28:	18	31:	6
17 SEP	1	3.0					15 NOV	1	4.0	28:	23	31:	50		
19 SEP	1	7.0	4:	2	70:	11	16 NOV	1	6.0	58:	30				
24 SEP	3	2.0	14:	19			20 NOV	1	4.0	4:	3				
1 OCT	3	1.0	14:	4	20:	1	23 NOV	1	6.0	58:	30				
3 OCT	3	6.0	5:	1	9:	1	25 NOV	3	4.0	5:	12	20:	6	28:	3
			14:	54	20:	10	30 NOV	1	6.0	58:	30				
5 OCT	1	4.0	34:	6	43:	16									

APPENDIX TABLE 30 (CONTINUED).

DATE	ZONE	HOURS FISHED	-- CATCH PER SPECIES --			DATE	ZONE	HOURS FISHED	-- CATCH PER SPECIES --		
4 DEC	1	7.0	4: 11	28: 40	31: 32						

APPENDIX TABLE 31. LOGGED 1983 TROLLING CATCH AND EFFORT FROM U.S. CARIBBEAN

DATE	ZONE	HOURS FISHED	-- CATCH PER SPECIES --			DATE	ZONE	HOURS FISHED	-- CATCH PER SPECIES --		
20 MAR	3	4.0				20 MAY	3	6.0+	25: 1	57: 1	
22 MAR	3	6.0	24: 7			20 MAY	3	6.0	24: 1		
23 MAR	3	6.0	24: 2			21 MAY	3	6.0	22: 1		
24 MAR	3	6.0	24: 6			24 MAY	3	3.0			
25 MAR	3	6.0	24: 2	55: 1		25 MAY	3	3.0			
26 MAR	3	6.0	24: 1			26 MAY	3	6.0	8: 1	11: 2	24: 4
28 MAR	3	6.0	24: 5	38: 1	55: 1				57: 1		
29 MAR	3	6.0	22: 1	24: 17		27 MAY	3	3.0	25: 1		
30 MAR	3	4.0				27 MAY	3	7.0			
31 MAR	3	6.0	24: 7			28 MAY	3	3.0			
1 APR	3	6.0	24: 5			29 MAY	3	7.0	24: 2		
2 APR	3	6.0	24: 4			29 MAY	3	7.0	6: 1	11: 1	
3 APR	3	6.0	8: 2	24: 3		30 MAY	3	7.0	11: 1	21: 2	
6 APR	3	6.0				30 MAY	3	7.0			
7 APR	3	6.0				31 MAY	3	6.0	1: 1	6: 1	11: 1
8 APR	3	6.0							12: 1	25: 1	86: 2
9 APR	3	6.0	24: 8			1 JUN	3	3.0	24: 1		
10 APR	3	6.0				2 JUN	3	4.5	24: 2		
10 APR	3	7.0	8: 1	22: 1	40: 1	3 JUN	3	7.0	22: 1		
11 APR	3	8.0	11: 1	24: 1		4 JUN	3	3.0			
11 APR	3	3.0				5 JUN	3	6.0			
12 APR	3	6.0				5 JUN	3	7.0	8: 1		
12 APR	3	8.0	1: 5			5 JUN	3	1.0	24: 7		
13 APR	3	6.0				7 JUN	3	4.0	1: 2	11: 1	25: 1
14 APR	3	4.0	11: 1	25: 1		8 JUN	3	4.0	6: 1	25: 1	
16 APR	3	7.0	21: 1	24: 1		11 JUN	3	6.0	8: 2		
17 APR	3	6.0				12 JUN	3	3.0			
17 APR	3	5.0	1: 1	8: 1		12 JUN	3	6.0	24: 1	38: 1	
19 APR	3	6.0				14 JUN	3	3.0			
20 APR	3	6.0				15 JUN	3	3.0			
20 APR	4	5.0	86: 1			16 JUN	3	3.0			
21 APR	3	6.0				16 JUN	3	7.0	11: 1	38: 1	
22 APR	3	3.0				17 JUN	3	3.0	24: 1		
23 APR	3	3.0				18 JUN	3	6.0			
24 APR	3	6.0	24: 2			18 JUN	3	7.0	38: 1		
25 APR	3	3.0				19 JUN	3	6.0	22: 1	24: 2	
26 APR	3	6.0	22: 1	24: 1		20 JUN	3	7.0	21: 3	22: 1	
27 APR	3	3.0	24: 2			21 JUN	3	7.0	11: 1		
29 APR	3	5.5	11: 7	25: 1		22 JUN	3	7.0			
30 APR	3	8.0	11: 1			22 JUN	3	3.5	1: 1	6: 1	11: 1
4 MAY	3	4.0	25: 1						86: 2		
12 MAY	3	8.0	7: 1	24: 3	57: 1	23 JUN	3	7.0			
			78: 1			24 JUN	3	7.0	38: 3		
14 MAY	3	7.0	6: 1			25 JUN	3	7.0	38: 3		
18 MAY	3	3.0				26 JUN	3	7.0	38: 1		
18 MAY	3	6.0	23: 2			26 JUN	3	2.0	6: 1	38: 1	
20 MAY	3	6.0	1: 1	11: 2	24: 3	27 JUN	3	7.0			

APPENDIX TABLE 31 (CONTINUED).

DATE	ZONE	HOURS FISHED	-- CATCH PER SPECIES --			DATE	ZONE	HOURS FISHED	-- CATCH PER SPECIES --								
27 JUN	3	3.5	11:	1	25:	2	86:	2	26 JUL	3	6.0	38:	1				
28 JUN	3	7.0							26 JUL	3	7.0	38:	2				
29 JUN	3	7.0	38:	1					27 JUL	3	7.0	38:	1				
29 JUN	3	7.0	6:	1					27 JUL	3	7.5	11:	1	38:	1		
29 JUN	3	3.0							27 JUL	3	7.0	38:	1				
30 JUN	3	7.0							28 JUL	3	6.5	38:	1				
30 JUN	3	7.0	38:	1					28 JUL	3	7.0	38:	1				
1 JUL	3	7.0							29 JUL	3	7.0	38:	1				
2 JUL	3	6.0							30 JUL	3	7.0	38:	1				
2 JUL	3	7.0							30 JUL	3	8.0	38:	1				
2 JUL	3	7.0							31 JUL	3	7.5	24:	1	38:	1		
3 JUL	3	7.0							1 AUG	3	8.0						
3 JUL	3	6.0	38:	1					1 AUG	3	7.5	11:	1				
4 JUL	3	6.0	22:	1					2 AUG	3	7.0	38:	1				
4 JUL	3	7.0							3 AUG	3	7.0						
4 JUL	3	7.0							4 AUG	3	7.0						
5 JUL	3	3.5	1:	1	11:	3	25:	1	5 AUG	3	7.0						
5 JUL	3	6.0							5 AUG	3	7.0	1:	2	11:	4	25:	2
7 JUL	3	3.0							6 AUG	3	6.0						
10 JUL	3	5.0							7 AUG	3	7.0						
10 JUL	3	1.0	1:	1					8 AUG	3	7.0	38:	1				
11 JUL	3	5.0	8:	2	21:	2	23:	1	8 AUG	3	7.0	1:	1	11:	1	25:	1
14 JUL	3	3.0	1:	1	11:	2	25:	3	9 AUG	3	7.0						
15 JUL	3	5.0	21:	2	38:	1			10 AUG	3	7.0						
16 JUL	3	6.0	38:	2					11 AUG	3	7.0						
16 JUL	3	7.0							11 AUG	3	3.5	11:	1				
17 JUL	3	7.0	38:	1					12 AUG	3	6.0	6:	1	11:	1	57:	1
17 JUL	3	5.5							12 AUG	3	7.0	38:	1				
18 JUL	3	6.0	38:	1					13 AUG	3	7.0	38:	1				
18 JUL	3	7.0	38:	1					13 AUG	3	3.5	11:	1	86:	1		
19 JUL	3	7.0	38:	1					14 AUG	3	7.0						
19 JUL	3	6.0							14 AUG	3	7.0						
20 JUL	3	5.0							15 AUG	3	7.0						
20 JUL	3	7.0	24:	1					15 AUG	3	7.0						
21 JUL	3	7.0	38:	1					15 AUG	3	3.5	1:	2	11:	4		
21 JUL	3	6.0	38:	1					16 AUG	3	3.5	11:	1	25:	1	86:	2
22 JUL	3	6.0	38:	4					16 AUG	3	7.0						
22 JUL	3	7.0	38:	3					16 AUG	3	7.0						
22 JUL	3	4.5	8:	1	11:	4	12:	1	17 AUG	3	7.0						
23 JUL	3	7.0	38:	2					17 AUG	3	7.0						
23 JUL	3	6.0							18 AUG	3	7.0	38:	2				
24 JUL	3	6.0							18 AUG	3	7.0	38:	1				
24 JUL	3	7.0	38:	1					19 AUG	3	7.0						
24 JUL	3	7.5	38:	1					19 AUG	3	7.0						
25 JUL	3	7.5	1:	2	11:	2			19 AUG	3	7.0	11:	1				
25 JUL	3	7.0	38:	2					20 AUG	3	7.0						
25 JUL	3	7.0							21 AUG	3	7.0						

APPENDIX TABLE 31 (CONTINUED).

DATE	ZONE	HOURS FISHED	--- CATCH PER SPECIES ---			DATE	ZONE	HOURS FISHED	--- CATCH PER SPECIES ---		
21 AUG	3	7.0	38:	1		5 OCT	3	4.5	11:	3	
22 AUG	3	7.0				7 OCT	3	3.0			
22 AUG	3	7.0	38:	1		8 OCT	3	3.0			
23 AUG	3	7.0	21:	1		9 OCT	3	8.0			
23 AUG	3	7.0	38:	1		10 OCT	3	3.0			
24 AUG	3	7.0	38:	1		10 OCT	3	3.5	1:	4 8: 1 11: 3	
24 AUG	3	7.0	38:	1		11 OCT	3	7.0			
25 AUG	3	7.0	38:	2		12 OCT	3	7.0	21:	1	
25 AUG	3	7.0	38:	1		12 OCT	3	3.5	8:	1	
26 AUG	3	7.0	38:	1		13 OCT	3	3.5	1:	1 8: 1 11: 3	
26 AUG	3	6.0				13 OCT	3	8.0			
27 AUG	3	7.0	38:	1		14 OCT	3	8.0	39:	1	
27 AUG	3	7.0	38:	1		15 OCT	3	8.0			
28 AUG	3	7.0	38:	1		15 OCT	3	7.0	1:	1 75: 1	
29 AUG	3	7.0	11:	1 24:	1	16 OCT	3	3.0			
1 SEP	3	7.0	1:	3 6:	1 11: 3	17 OCT	3	3.0			
1 SEP	3	3.0				19 OCT	3	3.0			
2 SEP	3	3.5	1:	1 11:	5	19 OCT	3	4.5	11:	3	
3 SEP	3	3.5	1:	3 11:	2	20 OCT	3	3.0	38:	1	
3 SEP	3	6.0	13:	1		21 OCT	3	6.0			
4 SEP	3	3.0				22 OCT	3	8.0	39:	1	
11 SEP	3	6.5	11:	1 86:	2	22 OCT	3	7.5	1:	1 11: 1 39: 1	
14 SEP	3	9.0				23 OCT	3	8.0	38:	1	
15 SEP	3	9.0				26 OCT	3	3.5	86:	1	
16 SEP	3	6.0	38:	1		27 OCT	3	3.5	8:	3 11: 5	
17 SEP	3	8.0				28 OCT	3	3.0			
17 SEP	3	3.5	11:	2 86:	1	29 OCT	3	6.0	68:	2	
18 SEP	3	9.0				29 OCT	3	3.5	8:	1 11: 1	
20 SEP	3	3.0				31 OCT	3	7.5	1:	3 6: 3 7: 3	
21 SEP	3	3.0	38:	1 68:	1	1 NOV	3	6.0	38:	1	
22 SEP	3	6.0	38:	1		2 NOV	3	7.0	11:	1 22: 1	
23 SEP	3	6.0	38:	1		3 NOV	3	3.0	24:	1	
23 SEP	3	7.5	7:	1 11:	1	5 NOV	3	6.0	38:	1 39: 1	
23 SEP	3	6.0	38:	1		6 NOV	3	6.0	39:	1	
24 SEP	3	6.0				6 NOV	3	7.5	6:	1	
25 SEP	3	3.0				7 NOV	3	6.0	21:	2 24: 1	
26 SEP	3	3.0				8 NOV	3	6.0	22:	1	
27 SEP	3	3.0	21:	3		8 NOV	3	7.5	1:	2 6: 1 68: 1	
28 SEP	3	8.0	21:	1		9 NOV	3	7.5	1:	1 24: 1 68: 1	
29 SEP	3	3.0				9 NOV	3	6.0	11:	1 22: 1	
29 SEP	3	7.0	39:	1 55:	3	10 NOV	3	7.0			
29 SEP	3	6.0	1:	1 24:	1	12 NOV	3	7.0			
30 SEP	3	7.0	11:	1 24:	5 39: 1	13 NOV	3	7.0			
			55:	2		13 NOV	3	5.0	11:	2 22: 1 23: 1	
1 OCT	3	7.0	39:	2 55:	5	15 NOV	3	7.0			
1 OCT	3	6.0				16 NOV	3	3.0			
3 OCT	3	3.0				16 NOV	3	3.5	6:	4 8: 1 11: 1	

APPENDIX TABLE 31 (CONTINUED).

DATE	ZONE	HOURS FISHED	-- CATCH PER SPECIES ---			DATE	ZONE	HOURS FISHED	-- CATCH PER SPECIES ---		
16 NOV	3	3.5+	23:	1	86:	1					
17 NOV	3	3.5	1:	2	6:	4	11:	1			
			86:	2							
17 NOV	3	3.0	39:	1							
19 NOV	3	7.0	22:	1							
20 NOV	3	7.0	55:	1							
20 NOV	3	7.5	22:	3	25:	1					
22 NOV	3	3.0									
25 NOV	3	6.0	21:	1							
26 NOV	3	6.0	22:	2							
26 NOV	3	7.5	1:	3	6:	2	8:	1			
			86:	1							
27 NOV	3	7.5	11:	2	22:	1	74:	1			
27 NOV	3	3.0	22:	1	24:	2					
28 NOV	3	3.0									
28 NOV	3	3.5	1:	2	6:	1	11:	1			
30 NOV	3	3.0	22:	1	24:	11	55:	1			
1 DEC	3	6.0	24:	1							
1 DEC	3	4.5	6:	1							
2 DEC	3	6.0	21:	6							
3 DEC	3	7.0	21:	2	22:	3	24:	2			
15 DEC	3	4.5	6:	5	11:	1	86:	1			
16 DEC	3	4.5	6:	6							
17 DEC	3	5.5	6:	3	8:	1	74:	1			
26 DEC	3	3.5	6:	3	11:	2					
27 DEC	3	3.5	74:	1	88:	1					
28 DEC	3	6.0	1:	2	6:	2	11:	4			
			23:	1	24:	1	68:	1			
29 DEC	3	7.5	6:	2	7:	1	11:	1			
			25:	1							
30 DEC	3	7.0	6:	6	11:	3	23:	1			
			25:	1							
31 DEC	3	4.5	1:	3	6:	4	8:	2			
			25:	1							