TUNA SAMPLING PROGRAMME IN SRI LANKA

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INDO-PACIFIC TUNA DEVELOPMENT AND MANAGEMENT PROGRAMME (IPTP)

CONTENTS

I. INTRODUCTION

As a part of work programme, the Indo-Pacific Tuna Development and Management Programme (IPTP) provides assistance to the National Aquatic Resources Agency (NARA) in Sri Lanka in conducting a sampling programme to monitor tuna landings. The sampling programme began in August 1986 at three landing sites: Kandakuliya, Negombo (Pitipana) and Beruwala. This report covers the results of the sampling programme for the first two years, from August 1986 to July 1988.

The objective of the sampling programme is to collect precise information on catch/effort, species composition and size frequency for tuna and tuna-like species caught by artisanal fisheries operating in the west coast of Sri lanka. The information is collected by well-trained full time samplers, two samplers at each sampling site. The IPTP and NARA staff monitors the sampling programme periodically by visits to the sites. Data collected are processed by computer. All information stored in the computer is now available in NARA as well as in IPTP database.

In Sri Lanka, there is at present no industrial fisheries aiming at capturing tuna fish but developed artisanal fisheries with small scale fishing boats. Their targets are multi species which migrate seasonally around coastal areas off Sri Lanka.

The most commonly used gear in Sri Lanka is the drift gillnet. It is becoming, however, more and more a multi-gear fishery with longline, troll line and handline.

Fishing boats are mostly 3.5 ton wood/glass reinforced plastic hulls (GRP) with some smaller GRP hulls about 8.75 meters (named as UN2 in this report), a moderate number of larger GRP hulls (11 ton, 11.5 m in length) (UN3) and less important 5.5 m outboard engine boats (UN1).

In the two years of the sampling programme, 19 species of tuna and tuna-like species and 8 non-tuna species/species groups were identified and their catches and fishing efforts were recorded by boat types at the three landing sites. Size data were collected for 19 tuna and tuna-like species.

The data obtained were checked with data available in order to ensure the precision of the sampling programme. It showed that the estimated production and species composition were in agreement with previous studies.

II. MAJOR FINDINGS FROM THE RESULTS OF THE SAMPLING

1. Type of boat

There are three types of boats engaging in fishing in the west coast of Sri Lanka as follows:

UN1: 5.5 m boats
UN2: 3.5 ton boats
UN3: 11 ton boats

The most popular type of boat engaging in fishing is the UN2. The result of the sampling shows that UN2 accounted of 92-96% of total effort and 87-93% of the total catch for the 3 landing sites during the period under review.

Figure 1. Catch rates by boat type

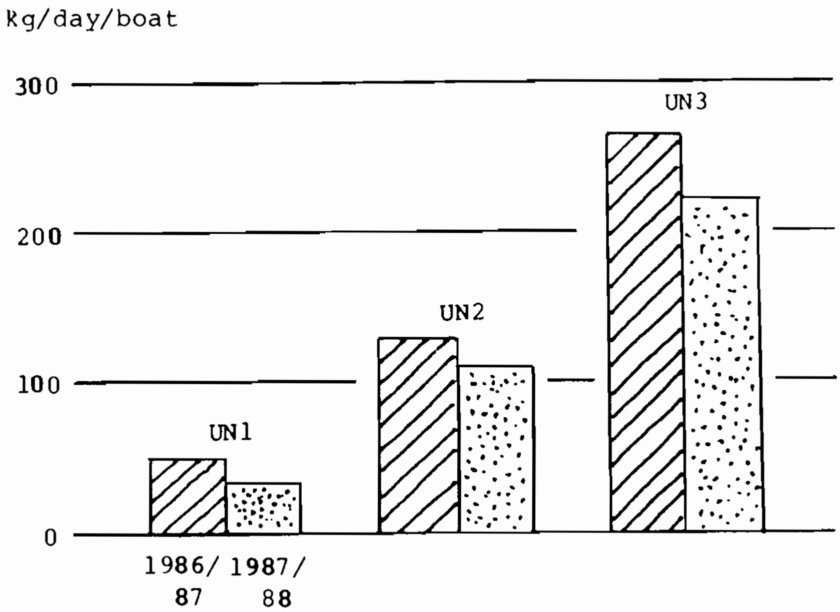


Figure 1 shows that catch rates are clearly proportional to the boat size i.e., UN3 have 5-7 times of catch rates of UN1 and twice of UN2.

Table 1. Species composition (%) by boat type

		YFT	SKJ	SMALLTUNA	SEER	BILL	SHARKS	OTHERS	TOTAL
1986/87	UN1	9.8	13.3	20.2	17.8	8.5	14.2	16.2	100.0
	UN2	28.5	24.6	12.8	2.1	13.7	14.9	3.4	100.0
	UN3	11.7	25.4	7.7	1.3	10.3	40.9	2.7	100.0
1987/88	UN1	7.8	18.7	11.4	19.7	4.2	19.1	19.1	100.0
	UN2	26.1	26.4	3.6	1.5	14.6	24.1	3.7	100.0
	UN3	23.6	20.1	4.6	1.6	5.5	43.1	1.5	100.0

Table 1 shows that each type of boat has different species composition; UN1 is sharks, others (small pelagic fish), small tuna (1986/87) and skipjack tuna (1987/88) which are more than 70% of the total catch. For UN2, yellowfin tuna and skipjack tuna are major species which compose more than 50% of the total catch. For UN3, sharks are the main target species (more than 40%) and followed by yellowfin tuna/skipjack tunas (more than 40%).

2. Types of gear

Drift gillnet is the most popular gear capturing tuna and tuna-like species in Sri Lanka. The result of the sampling programme shows that many fishermen used not only the gillnet in their fishing trips but other gears with gillnet such as handline, troll line and longline. For 1986/87, 16% of the total fishing trips were engaged in fishing with such combination gears. The combination gears were increased for 1987/88 to 39% of the total trips. The details of the types of gear used are shown in Table 2. The drift gillnet used in fishing including the above mentioned combination gears was 94.3% for 1986/87 and 85.9% for 1987/88 of the total fishing trips.

Table 2. Number of fishing boats sampled by types of gear

Year	Gear	Total	UN1	UN2	UN3
1986/87	Total	9,444	233	8,972	239
	GILL	7,388	153	7,172	63
	GILL + HAND	261	35	226	0
	GILL + TROLL	0	0	0	0
	GILL + HAND + LL	54	0	54	0
	GILL + LL	1,210	29	1,013	168
	PS	2	0	2	0
	TROLL	203	0	203	0
	HAND	239	12	227	0
	LL	87	4	75	8
1987/88	Total	5,673	142	5,270	261
	GILL	2,679	67	2,594	18
	GILL + HAND	373	69	303	1
	GILL + TROLL	5	5	0	0
	GILL + HAND + LL	212	0	169	43
	GILL + LL	1,602	1	1,431	170
	PS	18	0	18	0
	TROLL	0	0	0	0
	HAND	711	0	11	0
	LL	73	0	44	29

Catch and effort statistics by types of gear are available in the IPTP database, but these statistics have not been compiled in this report because the statistics did not show meaningful differences in catch size among such types of gear.

3. Fishing effort

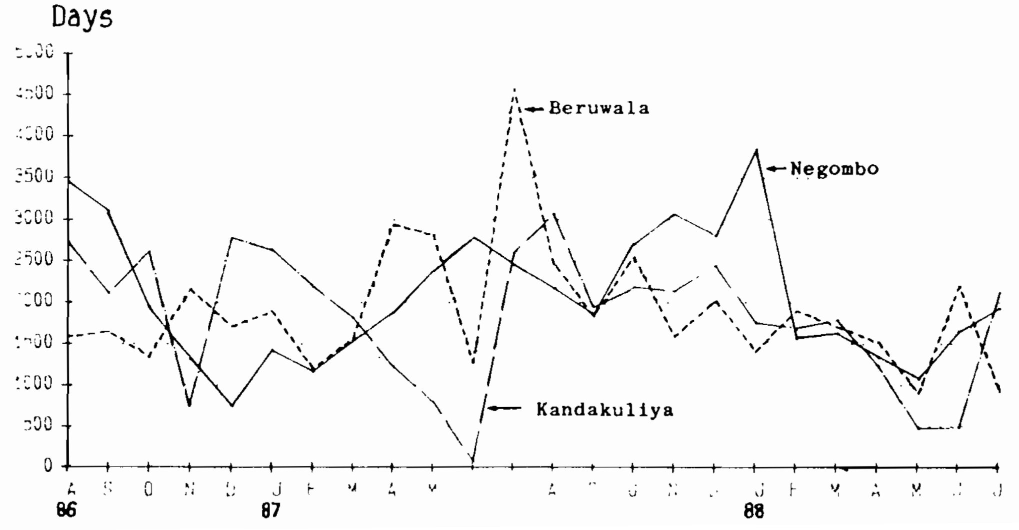
Table 3. Estimated effort (number of days fishing)

Year	Site	Total	UN1	UN2	UN3	Total %	UN1 %	UN2 %	UN3 %
1986/87	Total	71,089	527	68,326	2,236	100	0.8	96.1	3.1
	Kandakuliya	22,305	58	22,247	-	100	0.3	99.7	-
	Negombo	24,139	469	21,598	2,072	100	1.9	89.5	8.6
	Beruwala	24,645	-	24,481	164	100	-	99.3	0.7
1987/88	Total	67,839	459	62,698	4,682	100	0.7	92.4	6.9
	Kandakuliya	21,298	25	21,273	-	100	0.1	99.9	-
	Negombo	25,590	434	20,740	4416	100	1.7	81.0	17.3
	Beruwala	20,951	-	20,685	266	100	-	98.7	1.3

Table 3 shows the estimated effort in number of days fishing by types of boat and by landing sites. The total estimated efforts at the three landing sites was 71,089 days fishing for 1986/87 and 67,839 days fishing for 1987/88, that was 5% decrease from the previous year. There was a significant increase in the number of days fishing for UN3 from 3.1% to 6.9% between two years. This shows an increasing tendency in the number of fishing boats of UN3 engaging in fishing in more offshore areas. The large increase was recorded at the landing center in Negombo where UN3 was 8.6% for 1986/87 and 17.3% for 1987/88.

A significant fluctuation can be observed in Figure 2 in the change of fishing effort for each site. The changes are mostly on the influence of fishing and weather conditions as a nature of artisanal fisheries. There were different seasonal patterns in fishing effort among the three landing sites; for instance, peak months were August 1987 and December 1987 for Kandakuliya, July 1987 and January 1988 for Negombo and July 1987 for Beruwala.

Figure 2. Fishing effort (number of days fishing)



4. Catch

a. Catch by types of boat and landing sites

Table 4. Total estimated catch (Metric ton)

Year	Site	Total	UN1	UN2	UN3	Total	UN1	UN2	UN3
					%	%	%	%	
1996/87	Total	9,525	27	8,900	598	100.0	0.3	93.4	6.3
	Kandakuliya	2,142	3	2,139	-	100.0	0.1	99.9	-
	Negombo	3,224	24	2,654	546	100.0	0.7	82.3	16.9
	Beruwala	4,159	-	4,107	52	100.0	-	98.7	1.3
1987/88	Total	8,150	15	7,114	1,021	100.0	0.2	87.3	12.5
	Kandakuliya	1,941	2	1,939	-	100.0	0.1	99.9	-
	Negombo	3,038	13	2,068	957	100.0	0.4	68.1	31.5
	Beruwala	3,171	-	3,107	64	100.0	-	98.0	2.0

The total eastimated catch at the three landing sites (Table 4) was 9,525 MT for 1986/87 and 8,150 MT for 1987/88, that was 14.4 % decrease from the previous year. There was a significant increase in the catch for UN3 from 598 MT (6.3%) to 1,021 MT (12.5%). This was due to the rapid increase in fishing effort as explained previously in the estimated effort.

b. Species composition

Table 5. Total estimated catch by major species and species group

Species group	1986/87 MT	%	1987/88 MT	%
Yellowfin tuna	2,616	(27.5)	2,104	(25.8)
Skipjack tuna	2,342	(24.6)	2,089	(25.6)
Small tunas	1,191	(12.5)	307	(3.8)
Billfish	1,279	(13.4)	1,096	(13.4)
Seerfish	202	(2.1)	123	(1.5)
Sharks	1,569	(16.5)	2,155	(26.4)
Others	325	(3.4)	275	(3.4)
Total	9,524	(100.0)	8,149	(100.0)

Through this sampling programme from August 1986 to July 1988, 27 species and species groups including 9 species of tunas and bonito, 4 species of seerfishes, 6 species of billfishes, 5 species groups of sharks/skates/rays and 3 others were identified from the landings. Their English names, scientific names and alpha codes are listed in Appendix 1.

Table 5 shows clearly that yellowfin and skipjack tunas are main tuna species in Sri Lanka with their catch rates of more than 50% of the total catch for both years of 1986/87 and 1987/88. Next to yellowfin and skipjack tunas is sharks comprising 16.5% and 26.4% of the total for 1986/87 and 1987/88 respectively. Billfish catch was 13.4% of the total for the both years. The catch of small tunas including kawakawa and frigate tuna was 12.5% for 1986/87, but, it dropped sharply to 3.8% for 1987/88. The catch of seerfish was very minor for both years, 1986/87 and 1987/88, consisting of only 2.1% and 1.5% respectively.

Table 6. Total estimated catch of small tunas by species (other than yellowfin and skipjack tunas)

Species	1986/87		1987/88	
	MT	%	MT	%
Kawakawa	681	(57.2)	232	(75.6)
Frigate tuna	422	(35.4)	41	(13.4)
Bullet tuna	62	(5.2)	9	(2.9)
Dogtooth tuna	20	(1.7)	10	(3.3)
Longtail tuna	3	(0.3)	11	(3.6)
Bigeye tuna	2	(0.2)	4	(1.3)
Indo-Pacific bonito	1	(0.1)	0	(0.0)
Total	1,191	(100.0)	307	(100.0)

Kawakawa and frigate tuna are major species in the group of small tunas.

Table 6 shows that kawakawa was 57.0% for 1986/87 and 76% for 1987/88 which is the highest ratio of species composition in the group of small tunas. This is followed by frigate tuna, 35% for 1986/87 and 13% for 1987/88. The catch of bullet tuna, dogtooth tuna, longtail tuna, bigeye tuna and Indo-Pacific bonito were relatively low, less than 5% each of the total catch of the group for both 1986/87 and 1987/88.

Table 7. Total estimated catch of seerfish by species

Species group	1986/87		1987/88	
	MT	%	MT	%
Narrow-barred king mackerel	165	(81.7)	104	(84.6)
Wahoo	36	(17.8)	16	(13.0)
Indo-Pacific king mackerel	1	(0.5)	2	(1.6)
Streaked seerfish	0	(0.0)	1	(0.8)
Total	202	(100.0)	123	(100.0)

Seerfish is a very important specie in Sri Lanka, which always fetches a high price in markets. There are 4 species under the group of seerfish, of which narrow-barred king mackerel is the most popular species composing 81.7% for 1986/87 and 84.6% for 1987/88 of the total catch of the group.

Table 8. Total estimated catch of billfish by species

Species group	1986/87 MT	%	1987/88 MT	%
Indo-Pacific blue marlin	402	(31.4)	694	(63.3)
Black marlin	325	(25.4)	88	(8.0)
Indo-Pacific sailfish	268	(21.0)	179	(16.3)
Swordfish	257	(20.1)	129	(11.8)
Striped marlin	26	(2.0)	6	(0.5)
Shortbill spearfish	1	(0.1)	0	(0.0)
Total	1,279	(100.0)	1,096	(100.0)

There were 6 species identified under the group of billfish. Indo-Pacific blue marlin showed the biggest catch (31.4% for 1986/87 and 63.3% for 1987/88) followed by black marlin (25.4% and 8.0%), Indo-Pacific sailfish (21.0% and 16.3%) and swordfish (20.1% and 11.8%). The catch of striped marlin and shortbill spearfish were very few, less than 2% of the total catch of the group.

Table 9. Total estimated catch of sharks by species

Species group	1986/87 MT	%	1987/88 MT	%
Requiem sharks	1,394	(88.8)	1,871	(86.8)
Hammer heads	85	(5.4)	172	(8.0)
Mackerel, white sharks	8	(0.5)	14	(0.6)
Thresher sharks	2	(0.1)	8	(0.4)
Other sharks rays, skates	80	(5.1)	90	(4.2)
Total	1,569	(100.0)	2,155	(100.0)

The catch of sharks, including rays and skates, was next to that of yellowfin and skipjack tunas. The most common species in this group is requiem sharks and its catch was 1,394 MT, 88.8% for 1986/87 and 1,871 MT (86.8%) for 1987/88.

Figure 3. Species composition of catch by landing site and year

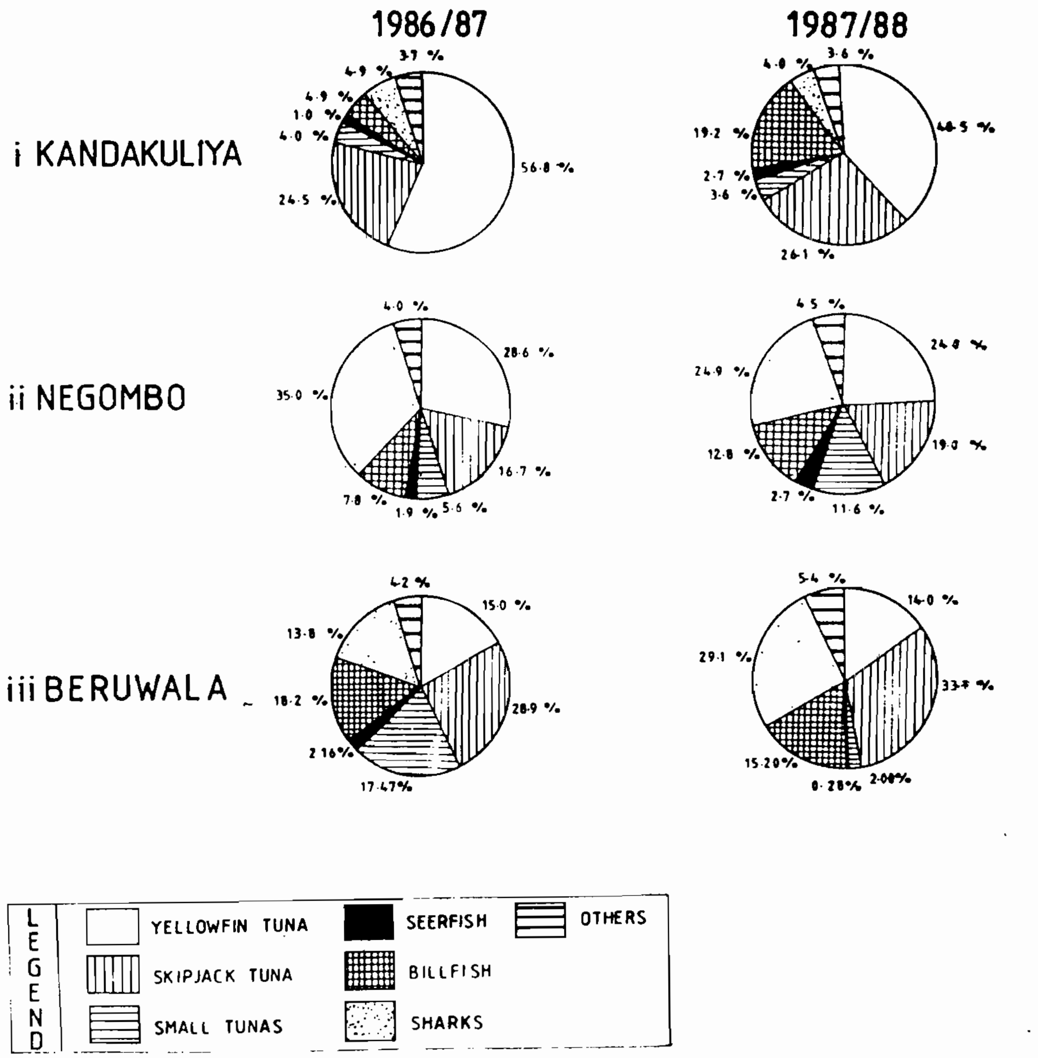


Figure 3 shows different species compositions among the three landing sites. These may be due to their different fishing methods and geographical locations.

In Kandakuliya, yellowfin tuna was 57% (1986/87) and 41% (1987/88) which was the highest rate among species, and followed by skipjack tuna 25% (1986/87) and 26% (1987/88). Other species than the above were comparatively very few except for billfish, 19% for 1987/88.

In Negombo, sharks was the highest, 35% (1986/87) and 25% (1987/88), and followed by yellowfin tuna, 29% (1986/87) and 24% (1987/88) and skipjack tuna, 17% (1986/87) and 19% (1987/88). Small tunas, 6% (1986/87) and 12% (1987/88) and billfish, 8% (1986/87) and 13% (1987/88) were also relatively high.

In Beruwala, skipjack tuna was the highest 29% (1986/87) and 34% (1987/88) followed by sharks, 29% (1987/88) and 14% (1986/87), billfish, 18% (1986/87) and 15% (1987/88) and yellowfin tuna 15% (1986/87) and 14% (1987/88). Small tuna in Beruwala was exceptionally high, 17% for 1986/87.

c. Seasonnal change in catch

The total fishing production of 3 sites in the west coast of Sri Lanka was highly seasonal as seen in Figure 4 and ranged from 230 MT in May 1988 to 1500 MT in July 1987. The corresponding effort for these respective months were 2400 and 9600 fishing days.

Figure 4. Trends of monthly catch and fishing effort (3 sites combined).

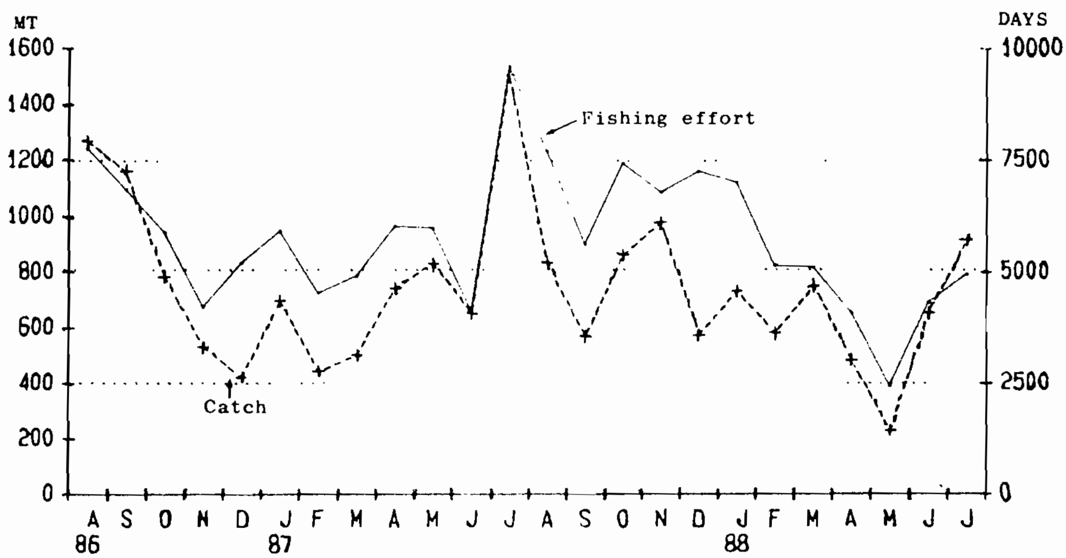


Figure 5 shows trends of monthly catch for 2 species and 3 species groups. Their special features observed in Figure 5 are as follows:

Yellowfin tuna (Fig. 5-A)

The catch of yellowfin tuna ranged from only 25 MT in May 1988 to 607 MT in August 1986. There were two peak months, July (470 tons) and November (365 tons) in 1987.

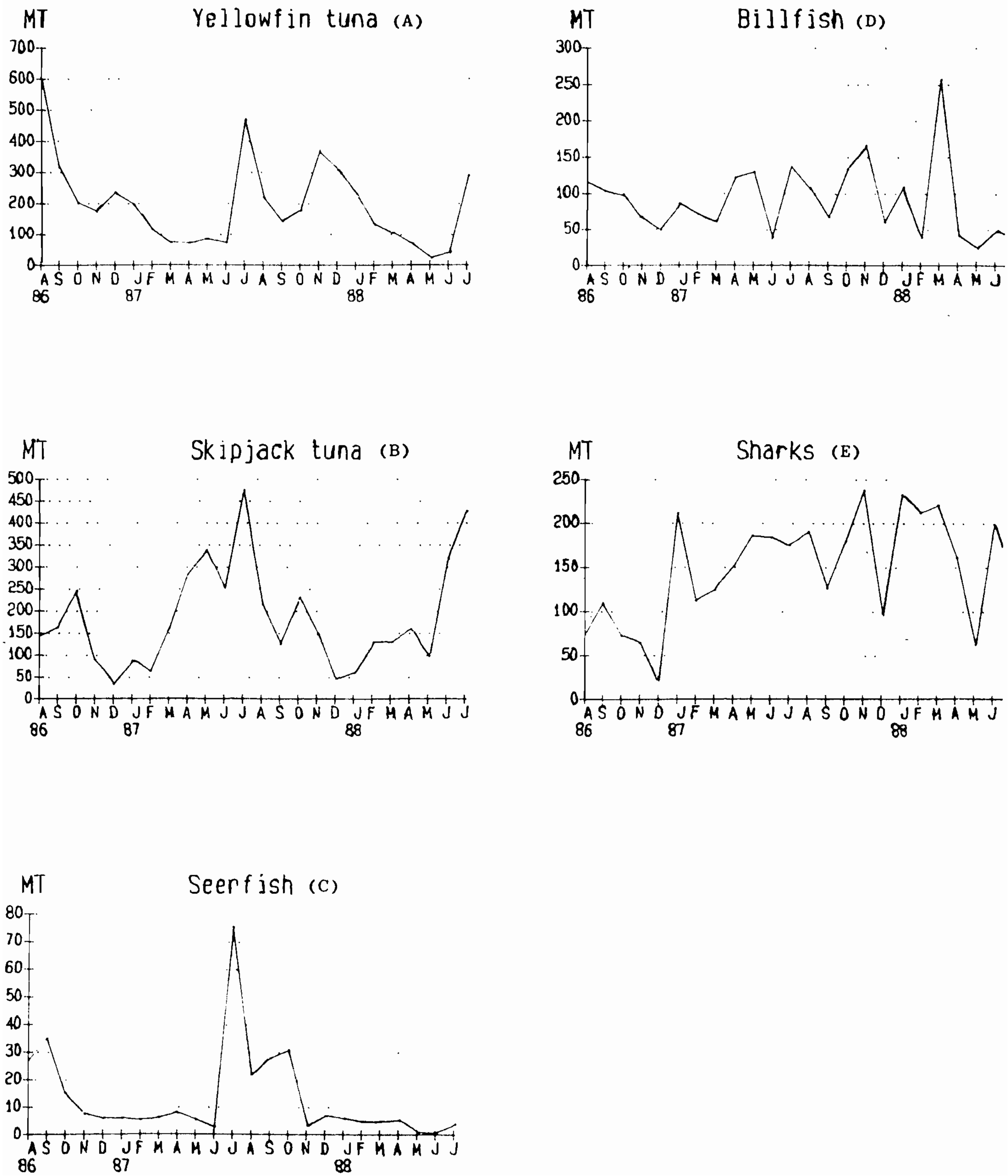
Skipjack tuna (Fig. 5-B)

The catch of skipjack tuna fluctuated sharply during the two year period from August 1986 to July 1988 ranging from 40 MT in December 1986 and 470 MT in July 1987.

Seerfish (Fig. 5-C)

There was one sharp peak month which was August 1987.

Figure 5 Monthly catch by species (3 sites combined)



Billfish (Fig. 5-D)

The catch of billfish fluctuated from month to month, ranging from 20 MT in May 1988 to 250 MT in March 1988.

Sharks (Fig. 5-E)

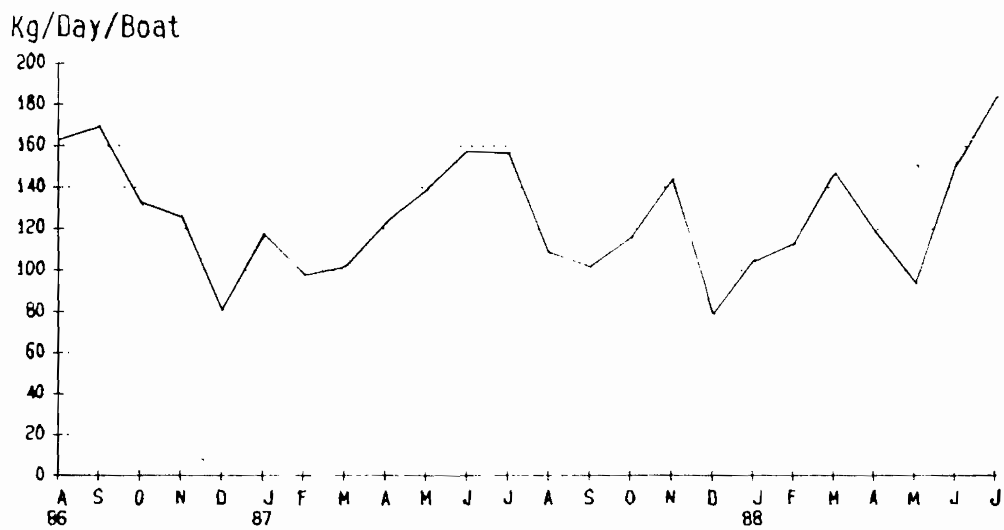
The catch of sharks also fluctuated from month to month, ranging from 25 MT in December 1986 to 240 MT in November 1987.

5. Catch rates

a. For all sites combined

Figure 6 shows monthly catch rates, kgs per boat and per fishing day for 3 sites combined. The rates ranges from around 80 to 160 kgs during the two years that was rather moderate fluctuation compared with these of catch rates by species shown in Figure 7.

Figure 6. Monthly catch rates (3 sites combined)

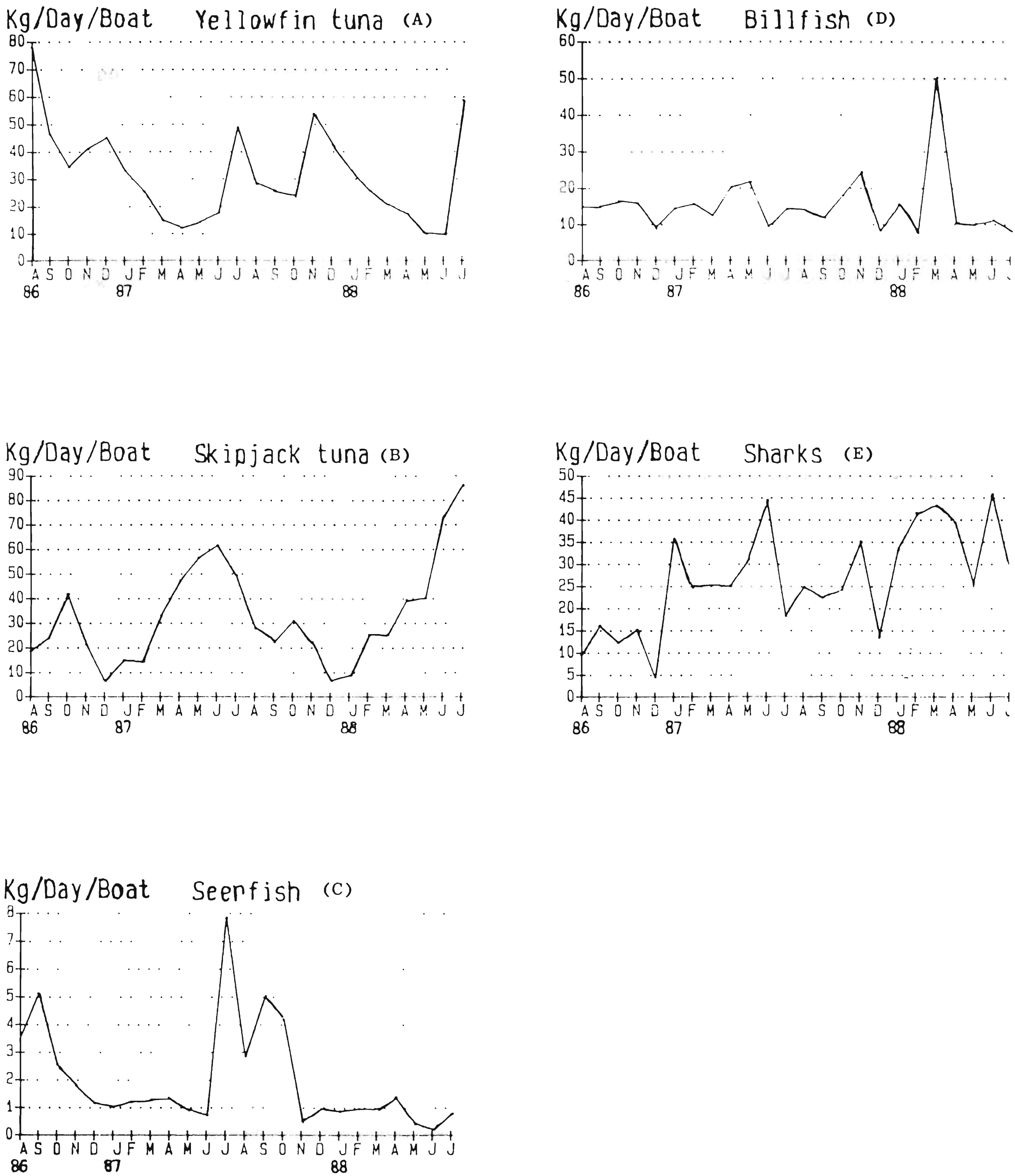


The rate of yellowfin tuna (Fig. 7-A) shows a large fluctuation, ranging from 10 to 80 kgs. There were two peak months in a year i.e., August and December in 1986 and July and November in 1987.

The rate of skipjack tuna (Fig. 7-B) also shows a large fluctuation, ranging from around 10-80 kgs. There was only one peak month in 1986, October, but two peak months in 1987, June and October.

The rate of seerfish (Fig. 7-C) was more than 3 kgs only for the period of good fishing season from July to October in 1987 while almost 1 kg for all other months.

Figure 7 Monthly catch rates by species (3 sites combined)

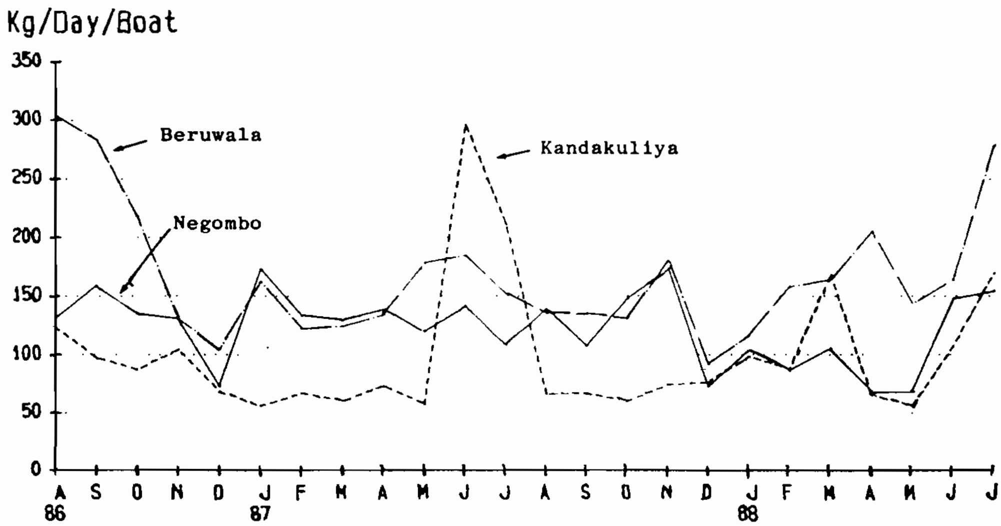


The rate of billfish (Fig. 7-D) ranges from 10-20 kgs with an exception of March in 1988 when the rate jumped to 50 kgs.

The rate of sharks (Fig. 7-E) fluctuates rapidly from month to month ranging from 5 to 45 kgs.

b. Seasonal changes in total catch rates by site

Fig. 8 Monthly catch rates by sites



The monthly catch rates for each site are seen in Figure 8, which are mostly within 50-200 kgs with some exceptions; (1) Beruwala, August-October in 1986 due to large catch of kawakawa and frigate tuna in this period, (2) Kandakuliya, June-July 1987 due to exceptional high catch rates of yellowfin tuna and skipjack tuna (3) Beruwala, July 1988 due to large catch of skipjack tuna. The relatively lower catch rates observed in Kandakuliya for most months can be summarized as follows: In Kandakuliya, they use only drift gillnet and the duration of fishing trip is only one night, whereas in Beruwala and Negombo, they use not only drift gillnet but many types of gears with longline, handline and troll line. Some of them also spend more than one day to catch more fish efficiently in off shore areas.

6. Size frequency Data

Size frequency data were collected for 19 tunas and tuna-like species. In total, 47,453 fish for 1986/87 and 27,952 fish for 1987/88 were measured for their length in the three landing sites.

Monthly percentage size frequency data shown in Figure 9 are for 5 species i.e., yellowfin tuna, skipjack tuna, kawakawa, frigate tuna and narrow-barred king mackerel. 4 species including sailfish, swordfish, black marlin and blue marlin are shown in Figure 10 for their yearly percentage size frequency. The rest of the species are not seen in any figures for their percentage size frequency but shown in only statistical tables due to that a few data were collected for these species.

1. Yellowfin tuna

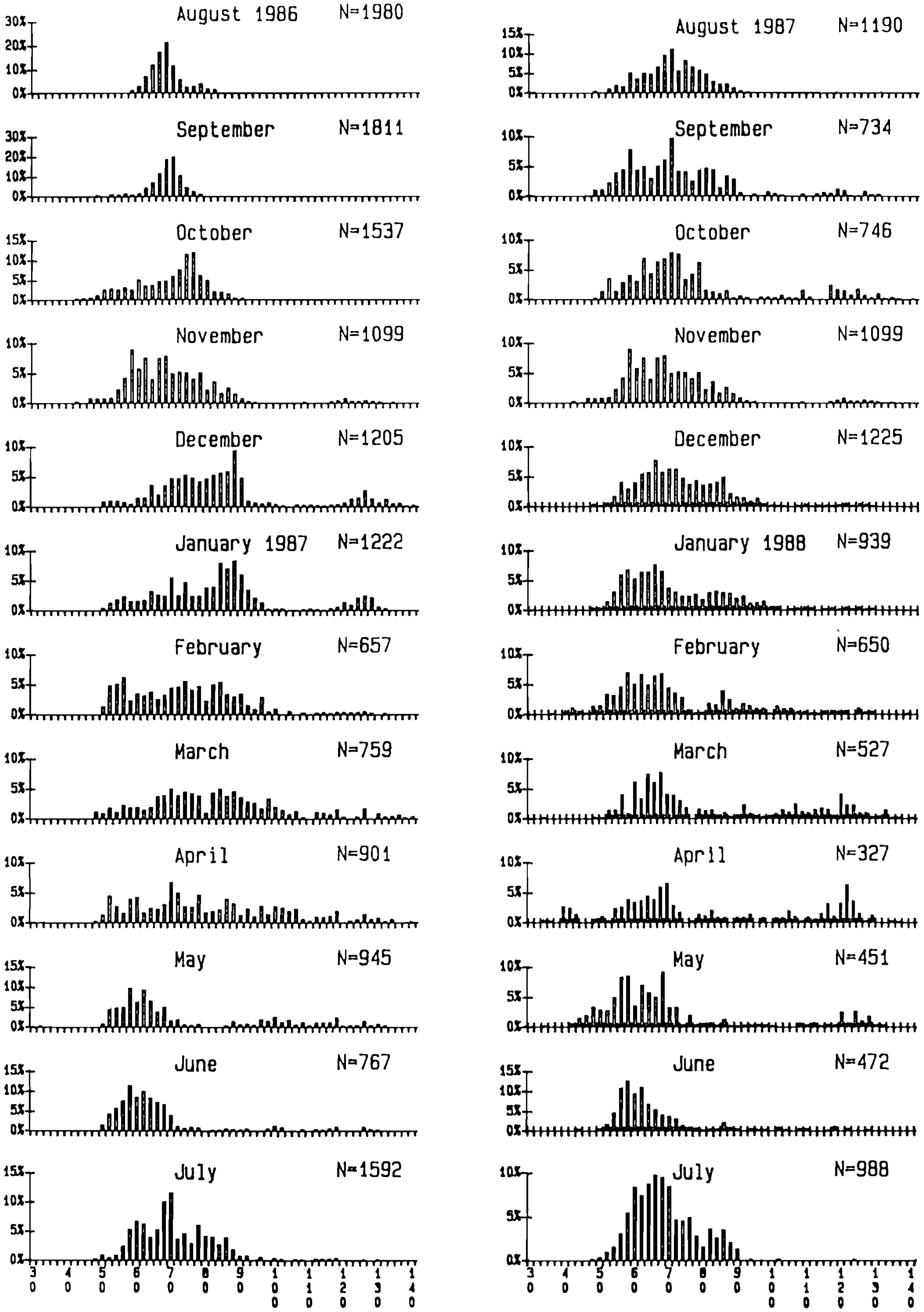


Figure 9. Percentage size frequency cm

cm

2. Skipjack tuna

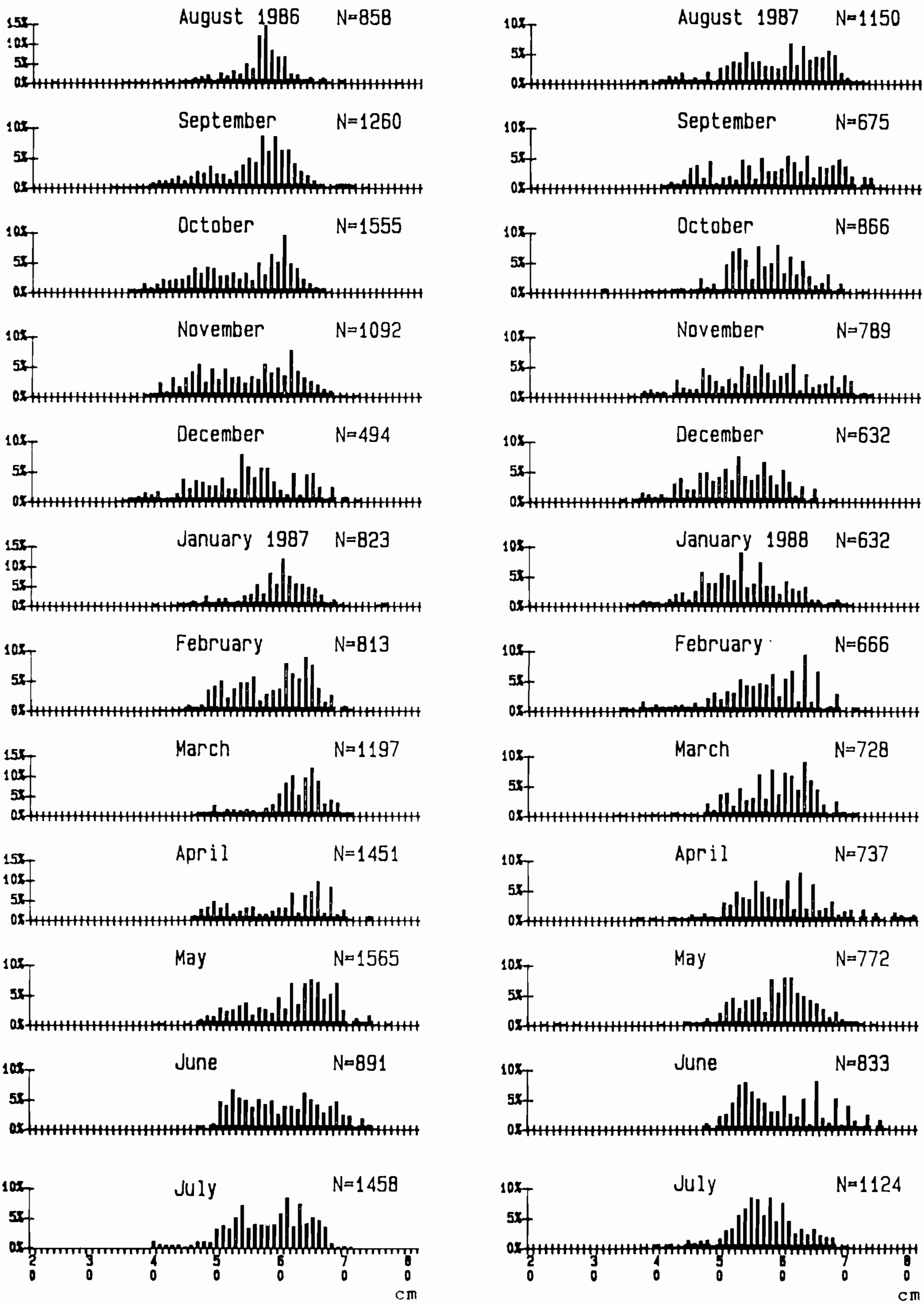


Figure 9. Percentage size frequency

3. Kawakawa

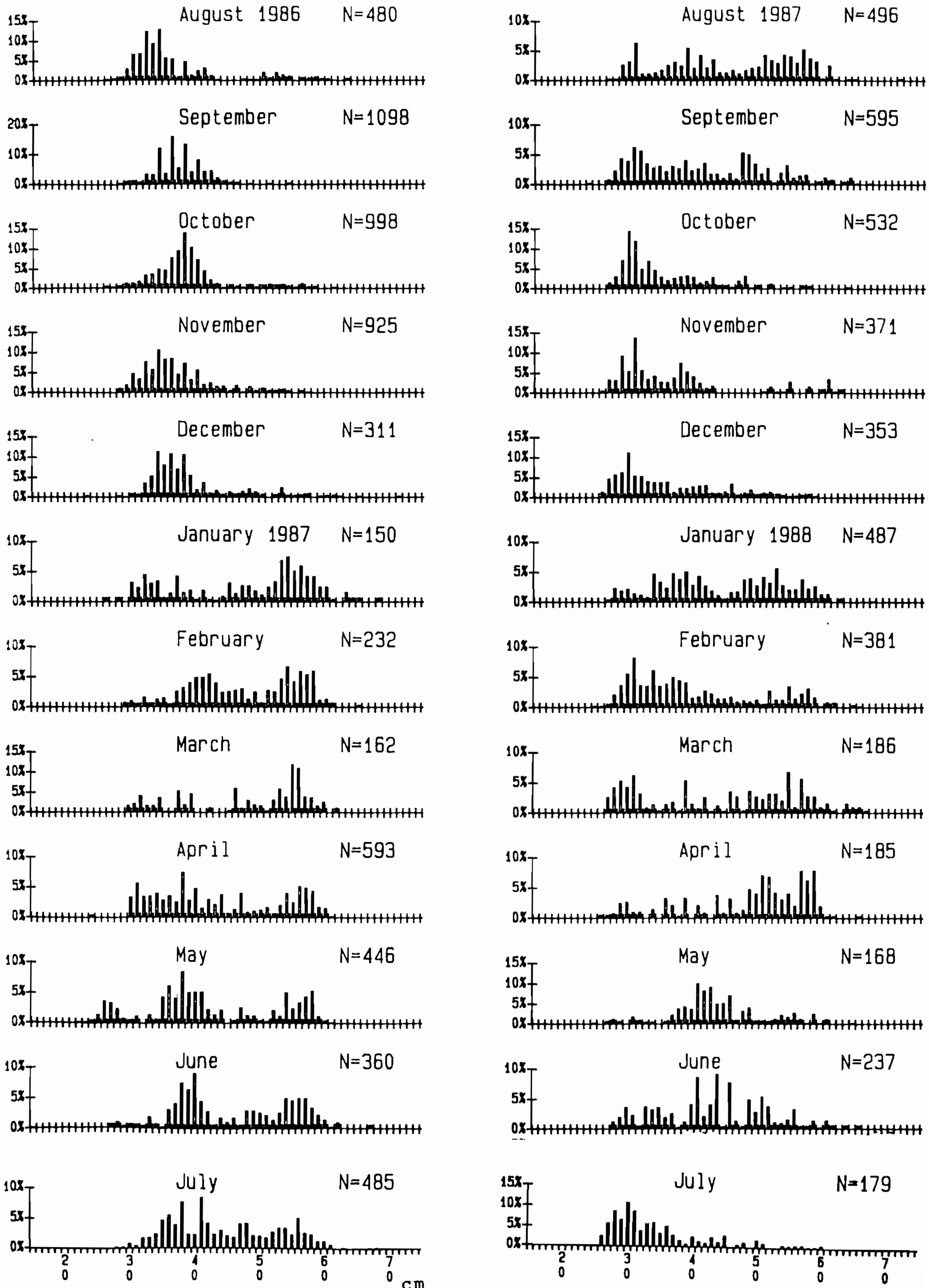


Figure 9. Percentage size frequency

4. Frigate tuna

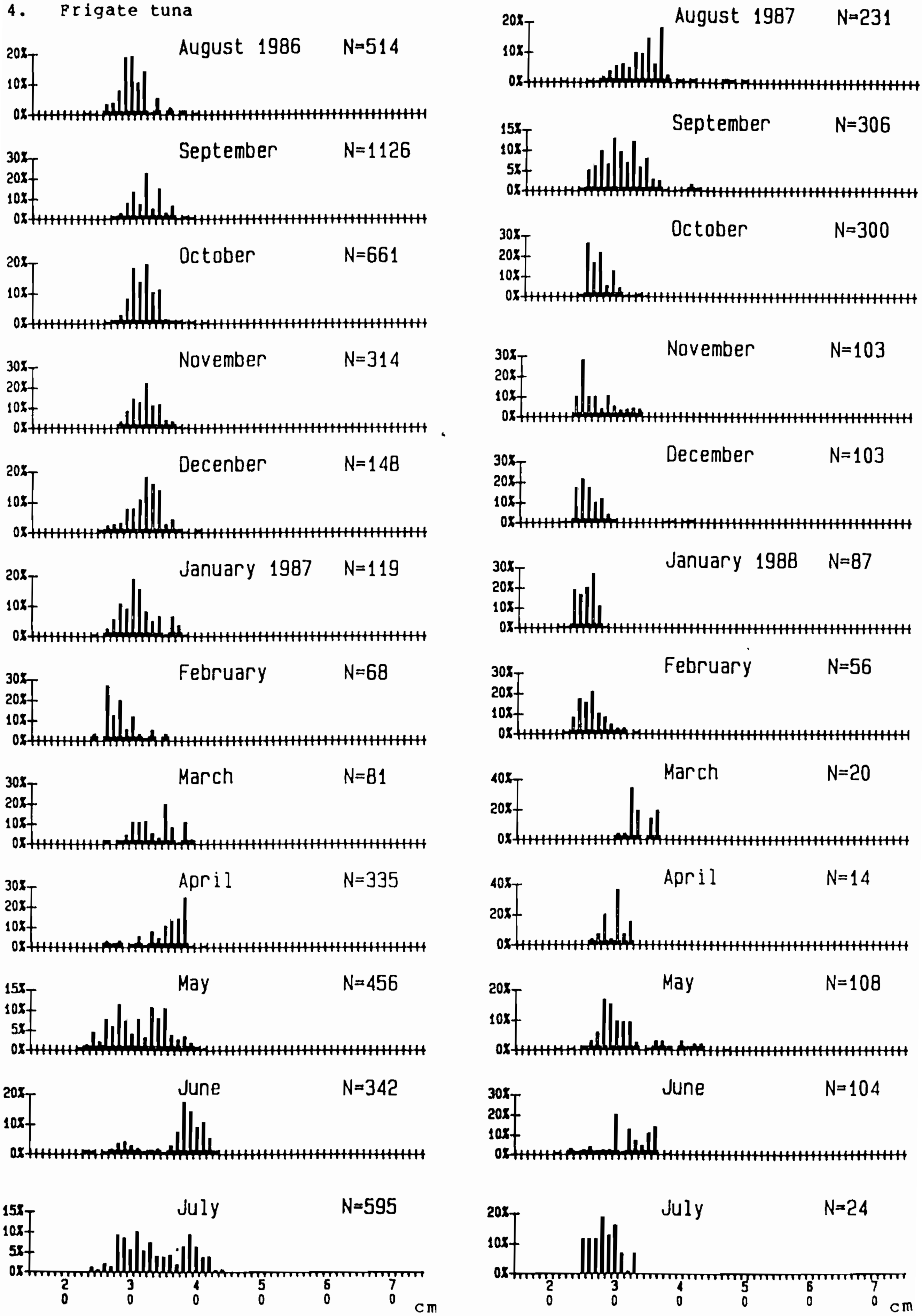


Figure 9. Percentage size frequency

5. Narrow-barred king mackerel

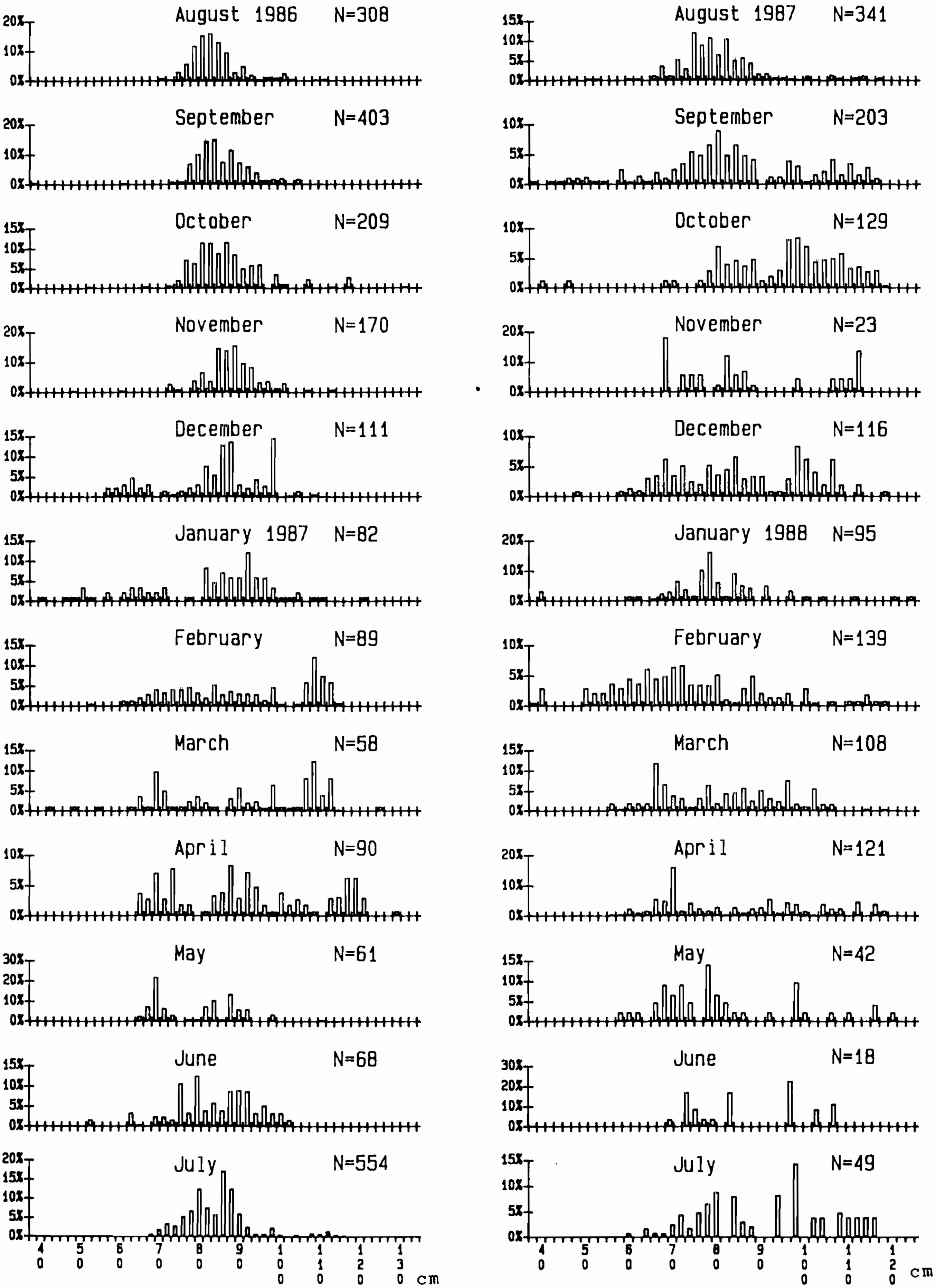
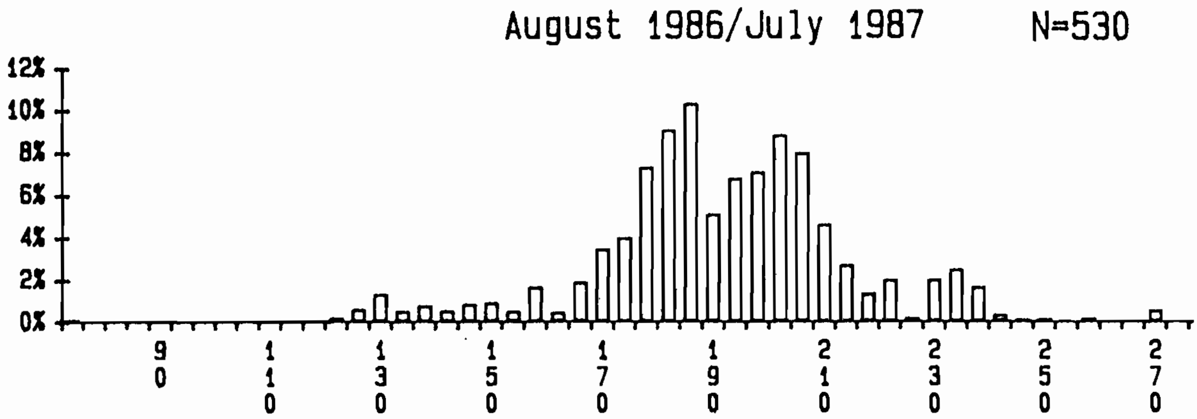
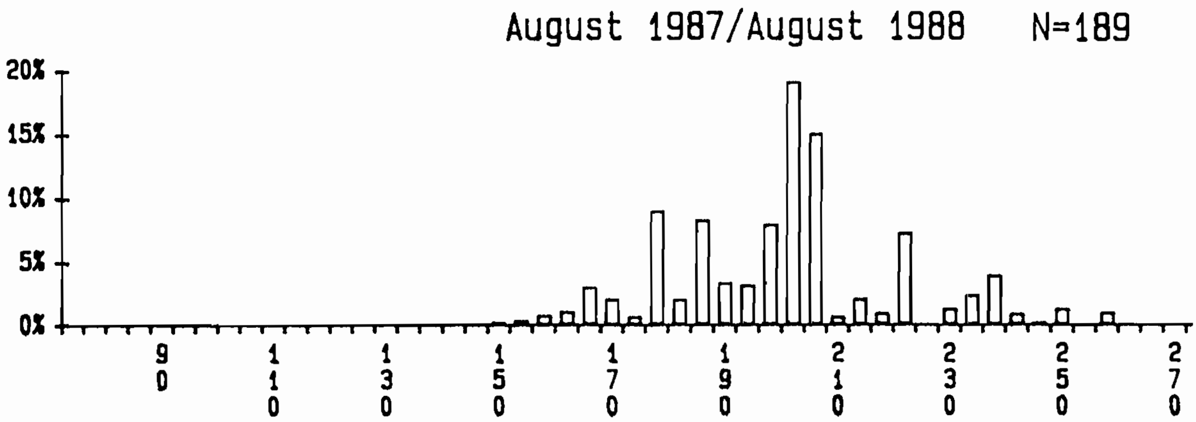


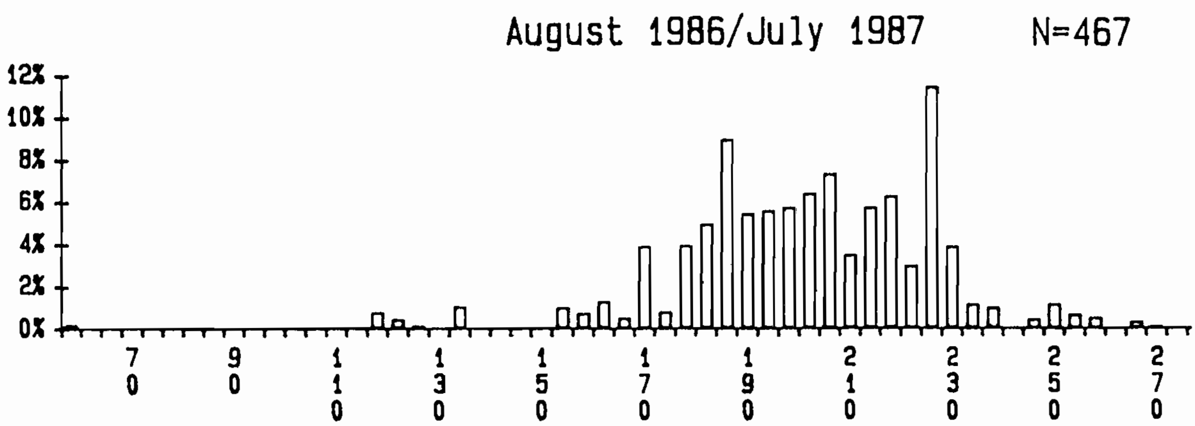
Figure 9. Percentage size frequency

1. Indo-Pacific blue marlin





2. Black marlin



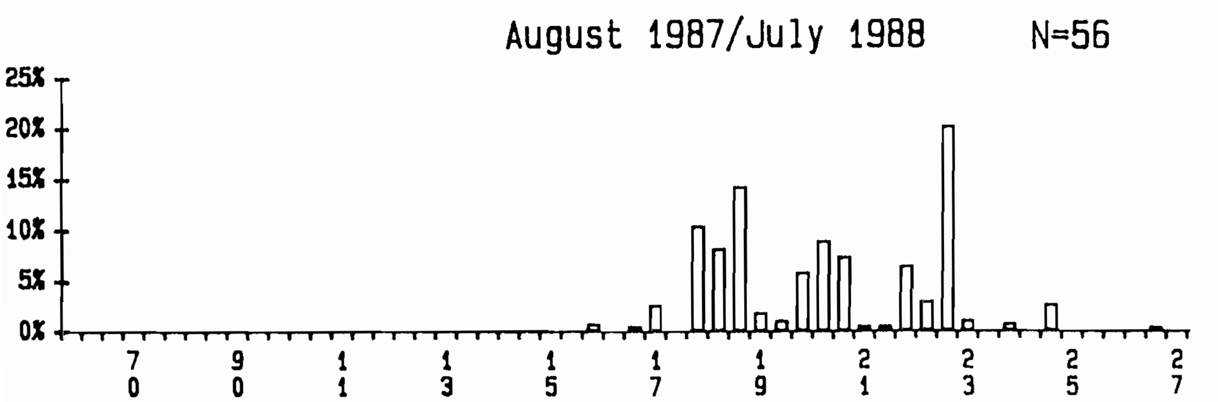
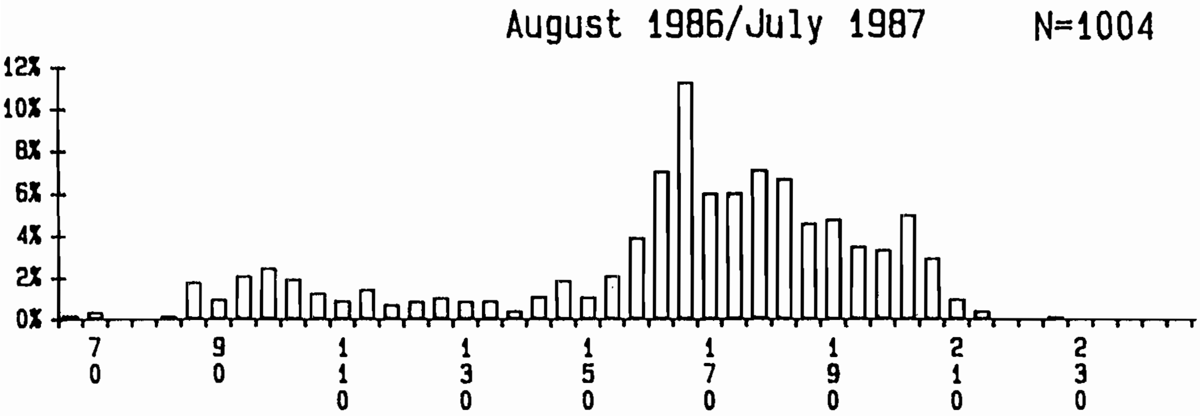
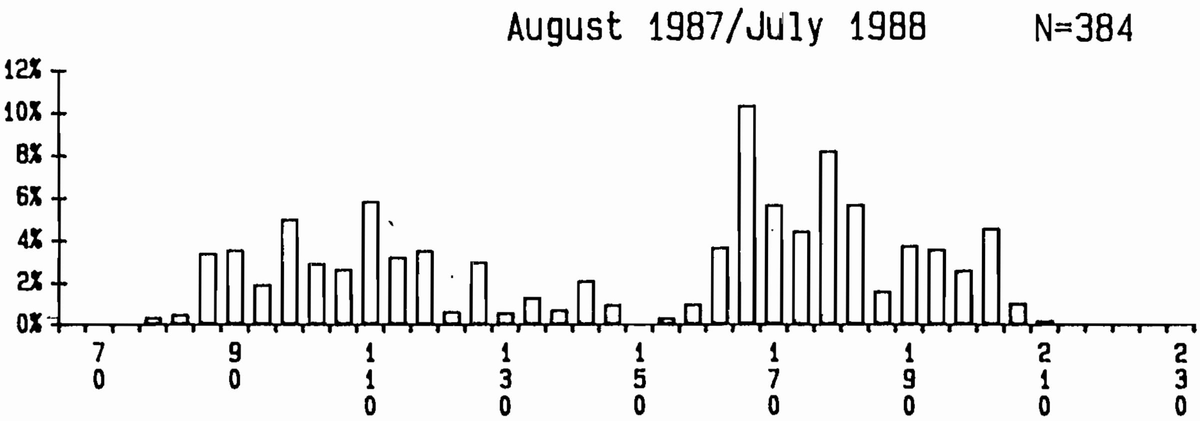


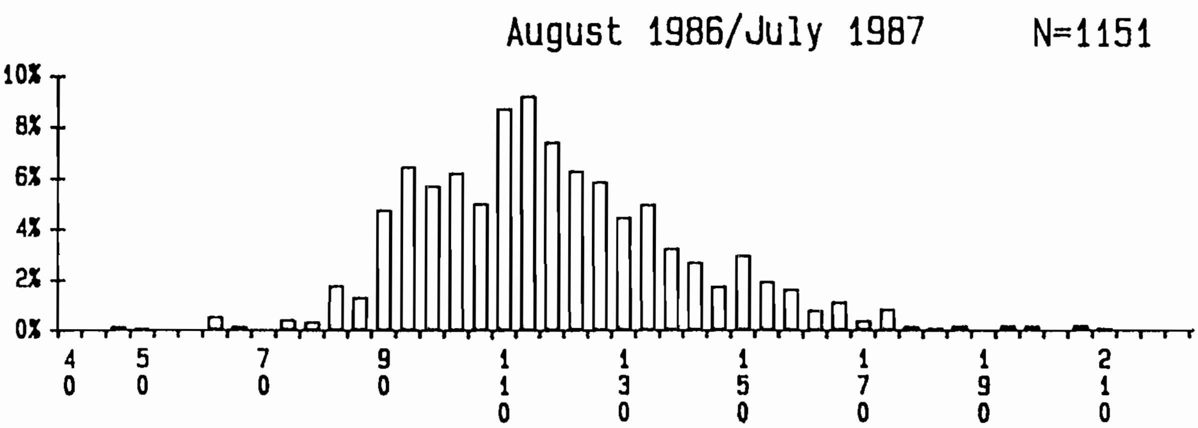
Figure 10. Percentage size frequency

3. Sailfish





4. Swordfish



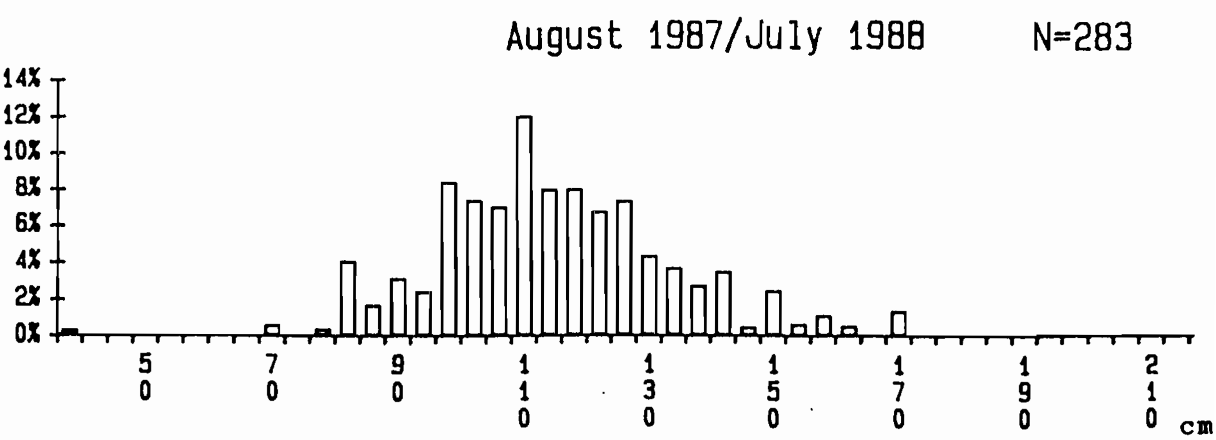


Figure 10. Percentage size frequency

III. SAMPLING METHOD AND ESTIMATION PROCEDURES

1. Sampling method

a. Sampling frequencies

Sampling was conducted every other day during the initial phase (August, 1986 to August, 1987), regardless week-ends or holidays except one day after Poyaday (full moon holiday) at Beruwala and Sundays at Kandakuliya and Negombo due to Buddhist and Christian customs, respectively. Hence, average sampling days per month was around 15 at Beruwala and around 11 or 12 at Kandakuliya and Negombo.

In the second phase (September, 1987 to present), sampling was reduced to every three days in all sites. Hence, the average sampling days per month was down to around 9-10.

b. Items of statistics

Following three items are collected as statistical items:

(1) Number of boat landed

At Kandakuliya, the tuna fleet is made up almost entirely of 3.5 tonners (UN2), with the occasional 5.5m boat (UN1). The total number of vessels landed in sampling days are obtained by samplers by counting the number at anchor before the first boat arrives and again after the last boat has arrived.

At Negombo, officials of the Negombo South Fisheries Co-operative keep records of the sales of each boat that lands. Unfortunately, it is not possible to break this figure down according to vessel type, but the numbers of 11 tonners (UN3) and 5.5m boats (UN1) landing per day are small, thus samplers can easily obtain the number of boats landed of these types by direct count.

At Beruwala, the number of boats landed is obtained from the owner of outrigger canoes (orus) which ferry catches from boats to the beach. Since the owner charges these ferry service, the information of number of boats landed obtaind from the canoes are fairy accurate. About 10 canoes usually engage in ferring fish and each one generally services the same boats.

(2) Catch and effort

Catch and effort information are collected from a maximum of 20 boats per sampling day including all types of boats. All catches of tunas, seerfishes and billfishes are directly counted by species, whereas those of sharks, skates, sea mammals, demersal and small pelagic fishes are roughly estimated by weight (kg) or sometimes by asking experienced merchants.

Small tunas (*Auxis* spp. and kawakawa) landed in baskets are generally counted as well; this is sometimes rather time-consuming, so catches are often estimated by multiplying the numbers of baskets by an estimated (through experience) mean number of fish per a basket.

The number of days (or nights) actually spent for fishing is collected by interviewing the crew of the sampled boats.

(3) Size frequency

Fork lengths are measured for all tunas and seerfishes and eye-fork lengths for all billfishes. For measuring fish, calipers are used for all fishes in Negombo and in Kandakuliya for large fishes. A tape measure is used to measure small fish in Kandakuliya and all fish in Beruwala.

The size frequency sampling method has been changed because of changes in fishing operations. However, the target number of size measurements has remained at 500 fish per species per month for each sampling site. At the begining of the programme, the size frequency sampling method was as follows:

- for all tuna (except yellowfin) and seerfish species, measure 5 fish from each of 10 sampled boats;
- for yellowfin tuna, measure 10 fish from each of 10 sampled boats;
- numbers of small and large fish (larger than 100 cm) were to be measured proportionate to the catch;
- for billfish species, measure all specimens landed by the sampled boats.

Almost all fishing trips were of 1-day duration at the start of the sampling programme in August 1986. By mid 1987, multi-day fishing trips had become the norm. Size frequency sampling method was modified to account for increased duration of fishing trips as follows:

- for all tuna (except yellowfin) and seerfish species, measure 20 fish from each of 20 sampled boats;
- for yellowfin, measure 20 small and 20 large fish from each of 3 sampled boats;
- for billfishes, measure all specimens landed on the sampling day.

2. Monitoring of sampling activities by IPTP and NARA staff

For the first three months of the programme, landing sites at Negombo and Beruwala were visited once a week and at Kandakuliya, once a fortnight. Negombo and Kandakuliya were designated as sites to be sampled every even-numbered day and Beruwala, every odd-numbered day. It was therefore possible to make unannounced visits and to check that samplers were actually present when they were supposed to be.

During the monitoring, samplers activities were checked to see if sampling methods and species identifications were properly done. Landing activities were also carefully observed to evaluate if the sampling method was suitable to reflect the real fishing activities.

Samplers were required to visit Colombo on a specified day at the end of each month to submit data sheets and to report of fishing and sampling activities during the month.

3. Data processing

a. Procedure of data Processing

At each site, samplers use their own field notes to record data. Then, they compile data on the standardized data sheets provided by IPTP at their homes and bring them to the IPTP office in Colombo at the end of each month. One operator at the IPTP offcie enters these data. Data entry and processing was performed on IBM-PC micro-computer and its compatibles, initially with the Symphony spreadsheet from the Lotus Development Corporation for creating files and the Statistical Analysis System (SAS Inc.) for performing numerical manipulations and producing monthly summaries.

However, the processing system (software) was changed to dBASE III plus (Ashton-Tate Inc.,) for two reasons: (1) the licensing constraint preventing use of SAS outside of Sri Lanka, thus standardized processing in all concerning countries in the region could not be achieved and (2) easier operation with its menu driven system for non experienced computer users.

b. Estimation of monthly production

Slightly different methods in estimating monthly production in kg were used for two species groups, (1) tuna and tuna-like species group and (2) non-tuna species group, due to the necessity of the conversion from catch in number to weight in kg for the first species group.

(1) Tuna and tuna-like species

Three steps were taken to estimate the production.

Step 1: Estimation of boat production

Initially, mean weights for each species of each sampled boat were computed by using the length-weight relationship. Then, the production of each sampled boat was estimated by multiplying the mean weights by catches in number per species.

Boat production = Mean weight x Total catch in number

Table A shows coefficients of the length-weight relationship of 19 tuna and tuna-like species which were used in this estimation.

Table A. Coefficients of the length (cm)-weight(kg) relationship: WEIGHT = A x $(LENGTH)^B$

GROUP	FAO English name	Range (cm)	Coefficients A	B
TUNA	Yellowfin tuna	(35-160)	0.00004100	2.8
	Skipjack tuna	(35- 80)	0.00000600	3.3
	Kawakawa	(20- 65)	0.00002600	2.9
	Frigate tuna	(20- 45)	0.00001700	3.0
	Bullet tuna	(10- 40)	0.00001700	3.0
	Longtail tuna	(10-120)	0.00002200	2.95
	Bigeye tuna	(10-250)	0.00002396	2.9774
	Indo-Pacific bonito	(10- 80)	0.00001774	2.8
SEERFISH	Narrow-barred king mackerel	(20-200)	0.00001176	2.9002
	Indo-Pacific king mackerel	(20- 80)	0.00001176	2.9002
	Streaked seerfish	(20- 90)	0.00001176	2.9002
	Wahoo	(20-200)	0.000001544	3.2945
BILLFISH	Indo-Pacific sailfish	(177-281)	0.000015770	2.8190
	Indo-Pacific blue marlin	(135-457)	0.000002042	3.3180
	Black marlin	(214-373)	0.0000081	3.0330
	Striped marlin	(142-310)	0.00000750	3.0620
	Swordfish	(145-324)	0.00000633	3.1605
	Shortbill spearfish	(140-180)	0.0000001532	3.7242

Note: Data sources for the above coefficients were mostly obtained from NARA (Sri Lanka) and neighbouring countries.

Step 2: Estimation of daily production

Daily production in each sampling day was estimated by multiplying production of all sampled boats by the daily raising factor. This was done by boat type and species. The daily raising factor was evaluated by dividing number of boat landed by number of boat sampled for each type of boat (UN1, UN2, UN3) in each sampling day.

Daily production = Production of all sampled boats
x Daily raising factor

,where
Daily raising factor = number of boat landed
/ number of boat sampled

Step 3. Estimation of monthly production

Finally, monthly production was estimated by multiplying estimated production of all sampling days by the monthly raising factor i.e.,

Monthly production = Production of all sampling days
x Monthly raising factor
,where
Monthly raising factor = number of days boats landed
/ Number of days sampled

(2) Non-tuna species group

Since the catch was recorded in weight (kg), the conversion from length to weight was not needed. Hence, there were two steps to estimate the production. Estimation procedures were the same as in the previous step 2 and step 3.

c. Estimation of monthly effort

Actual effort information for each boat was obtained directly from the skipper by interview. There were two steps to estimate the monthly effort as follows:

Step 1: Estimation of daily effort

Daily effort in each sampling day was estimated by multiplying effort of all sampled boats by the daily raising factor. This was done by boat type. The daily raising factor was evaluated by dividing number of boat landed by number of boat sampled for each type of boat (UN1, UN2, UN3) in each sampling day.

Daily effort = Effort of all sampled boat
x Daily raising factor
,where
Daily raising factor = Number of boat landed
/ Number of boat sampled

Step 2: Estimation of monthly effort

Then, monthly effort was estimated by multiplying effort of all sampling days by the monthly raising factor.

Monthly effort = Effort of all sampling days
Monthly raising factor
,where
Monthly raising factor = Number of days boats landed
/ Number of days sampled

d. Estimation of monthly size frequency distribution (S.F.D.)

There were three steps to estimate monthly S.F.D. as follows:

Step 1: Estimation of boat S.F.D.

Initially, raw length data were compiled to the S.F.D. form by species. Different length intervals were taken by species group as follows:

Length interval	Species group
1 cm interval -	kawakawa, skipjack tuna, frigate tuna and bullet tuna
2 cm interval -	yellowfin tuna, bigeye tuna, longtail tuna, dogtooth tuna, Indo-Pacific bonito and all seerfishes
4 cm interval -	all billfishes

Then, boat S.F.D. by species was estimated by multiplying sample S.F.D. by the boat raising factor. The boat raising factor was obtained by dividing number of catch in the boat by number of measured fish for each species.

Boat S.F.D. = Raw S.F.D. x Boat raising factor
,where
Boat raising factor = Catch
/ Number of measured fish

Step 2: Estimation of daily S.F.D.

Daily S.F.D. by boat type (UN1, UN2, UN3) in each sampling day was estimated by multiplying boat S.F.D. of all sampled boats by the daily raising factor. The daily raising factor was obtained by dividing number of boat landed by number of boat sampled in each sampling day.

Daily S.F.D. = Boat S.F.D. x Daily raising factor
,where
Daily raising factor = Number of boat landed
/ Number of boat sampled

Step 3: Estimation of monthly S.F.D.

Finally, monthly S.F.D. was estimated by multiplying sample S.F.D. of all sampling days by monthly raising factor. The monthly raising factor was obtained by dividing number of days boats landed by number of days sampled.

Monthly S.F.D. = S.F.D. of all sampling days
x Monthly raising factor
,where
Monthly raising factor = Number of days boats landed
/ Number of days sampled

IV. VERIFICATION OF ESTIMATED FIGURES

In order to verify the statistics generated from the sampling programme, estimated figures were checked with available statistics, one from NARA sampling programme (1983-85) and the other from national statistics of the Ministry of Fisheries (1979-84). Two items, "estimated production" and "species compositions" were checked by District Fisheries Extention Office (DFEO). The data of NARA and MINISTRY's statistics were taken from a report on "Studies of the Tuna Resources in the EEZs of Maldives & Sri Lanka (BOBP/REP/41)".

1. Production

For comparisons, IPTP's estimates were roughly raised to each district of DFEO by using number of boats registered. Next table shows number of registered mechanized (UN2/UN3) boats by DFEO district and IPTP's sampling sites.

Region	DFEO district group	Registered number of UN2/UN3 boats [Source Ministry (1986)]	Number of UN2/UN3 boats engaging tuna fisheries in IPTP's sampling sites in 1986
West	Puttalam Chilaw	155	Kandakuliya = 135 (coverage rate = 87.1%)
	Negombo Colombo	444	Negombo = 333 (coverage rate = 75.0%)
	Kalutara Galle	342	Beruwala = 166 (coverage rate = 48.5%)
	Total(W)	941	634
South	Matara Tangalle	752	
	Total (W & S)	1693	634 (coverage rate = 37.4%)

Hence, IPTP's coverage rates in Puttalam/Chilaw, Negombo/Colombo and Kalutara/Galle DFEO districts are roughly about 87.1%, 75.0% and 48.5% respectively. The coverage rate in the Kalutara/Galle district is low because IPTP doesn't cover Galle district. Using these ratios, IPTP's estimates were roughly raised to each DFEO district group.

a. Comparisons of estimated tuna production (billfish/seerfish excluded)

DFEO District	Estimated by Ministry 1979	1980	1981	1982	1983	1984	Estimated by IPTP 1986/87	1987/88
Puttalam/ Chilaw	2663	2620	3203	4090	5795	5942	2098	1574
Negombo/ Colombo	4178	4962	4336	4598	4198	1156	2351	2068
Kalutara/ Galle	3650	6694	9077	9239	7206	4789	5371	3254
Total	10491	14276	16616	17927	17199	11887	9820	6896

b. Comparisons of estimated production of skipjack tuna, yellowfin tuna and small tunas among IPTP, NARA and MINISTRY (W & S)

(1) SKIPJACK (MT)

Year	IPTP	NARA	MINISTRY
1983	-	6115	10015
1984	-	6689	7472
1985	-	9408	NA
1986/87	6262	-	NA
1987/88	5583	-	NA

(2) YELLOWFIN (MT)

Year	IPTP	NARA	MINISTRY
1983	-	5015	6812
1984	-	5889	5050
1985	-	6047	NA
1986/87	7008	-	NA
1987/88	5626	-	NA

(3) SMALL TUNA = FRI + KAW + BLT (MT)

Year	IPTP	NARA	MINISTRY
1983	-	3800	7527
1984	-	1825	5008
1985	-	2875	NA
1986/87	3115	-	NA
1987/88	754	-	NA

The above tables shows that MINISTRY's estimates were always high except yellowfin tuna and that those of NARA and IPTP's were close to each other. This implies that NARA and IPTP estimates are probablly more reliable that those of the Ministry because NARA and IPTP did more intensive and detailed surveys than the Ministry.

2. Species compositions

The species composition estimated by the IPTP sampling was examined with those by the NARA. Please note that there are following differences between two surveys of IPTP and NARA.

(1) Species compositions of NARA were based on sample catches by gillnet only whereas those of IPTP based on estimated productions by all gears combined. However, this factor should be minor because gillnet was the major gear used in nearshore waters. (2) Since compared years were different between NARA (1983-85) and IPTP (1986-88), yearly variations of species compositions might have existed. (3) Fishing grounds have been expanded in recent years after 1987 especially for those boats based in Negombo, which might also cause different species compositions. (4) Sampling sites were slightly different between two Agencies.

Note: Chi-square statistical tests for contingency tables of annual sample catches by (Species) X (Agencies) were planned to examine if species compositions between Agencies were homogeneous or heterogeneous. However, it was realized not possible because original sample catch data (in number) were not available in NARA, which were essential statistics for tests. Therefore, statistical tests were not performed.

a. Puttalam/Chilaw DFEO district

In this area, NARA (1983-85) covered two sites (Kandakuliya and Chilaw) whereas IPTP (1986-88) Kandakuliya only. Next table show annual species compositions by Agency:

Agency	Year	SKJ	YFT	SMALL TUNA	OTH	TOTAL
NARA	1983	13.2	47.5	1.7	37.6	100%
	1984	11.7	61.7	2.0	24.6	100%
	1985	27.3	52.4	1.8	18.5	100%
	Average	17.0	54.0	2.0	26.0	100%
IPTP	1986/87	24.5	56.8	3.1	15.6	100%
	1987/88	26.3	40.8	3.1	29.8	100%
	Average	25.0	49.0	3.0	22.0	100%

Note: NARA's average was the simple arithmetic mean of three years percentages because original sample catch data were not available. The same were applied for next 2 cases.

b. Negombo/Colombo DFEO district

In this area, NARA (1983-85) covered Negombo (Pitipana) and occasionally the lockgate (Colombo), whereas IPTP (1986-88) Negombo only. Next table show annual species compositions by Agency:

Agency	Year	SKJ	YFT	SMALL TUNA	OTH	TOTAL
NARA	1983	32.1	32.2	2.4	33.3	100%
	1984	22.3	53.6	3.3	22.8	100%
	1985	31.1	22.7	2.3	44.9	100%
	Average	29.0	36.0	3.0	34.0	100%
IPTP	1986/87	17.8	26.6	11.3	44.3	100%
	1987/88	14.9	30.6	5.9	48.6	100%
	Average	17.0	28.0	9.0	46.0	100%

c. Kalutara/Galle DFEO district

In this area, NARA (1983-84) covered Beruwala/Galle and occasionally Kalutara/Balapitiya/Hikkaduwa, whereas IPTP Beruwala only. Next table shows annual species compositions by Agency:

Agency	Year	SKJ	YFT	SMALL TUNA	OTH	TOTAL
NARA	1983	31.2	13.5	21.2	34.1	100%
	1984	42.9	16.1	5.9	35.0	100%
	1985	32.7	20.2	9.5	37.6	100%
	Average	35.0	17.0	12.0	36.0	100%
IPTP	1986/87	29.0	15.1	16.5	38.2	100%
	1987/88	34.2	14.2	1.9	49.7	100%
	Average	31.0	15.0	11.0	43.0	100%

Conclusion

The species compositions of all DFEO districts groups except Negombo/Colombo, were almost identical between two Agencies' estimates. Minor variations in species compositions in Puttalam/Chilaw and Kalutara/Gall DFEO districts groups were probably due to the reflections of (1) yearly variations and/or (2) inclusions of gears other than gillnets in IPTP's species compositions and/or (3) slightly different coverage of sampling sites between two Agencies' surveys.

Reasons of heterogeneity of species compositions between two agencies in Negombo/Colombo DFEO district could be explained as follows: During the IPTP's sampling period, boats based in Negombo have been fishing further offshore. After 1987 when boats (UN2) were rebuilt for larger capacities of ice and fish storage, then, they started to target more sharks using longlines in further offshore waters. However, before 1987, when NARA conducted sampling, more tunas were caught by gillnets in near shore waters.

V. STATISTICAL TABLES

1. Summary of monthly sampling activites by landing site

2. Estimated fishing effort and catch by landing site

3. Estimated monthly size frequency distributions by species

SUMMARY OF SAMPLING ACTIVITIES

1.1 Number of boats sampled

1.1.1 Kandakuliya

MONTH	YEAR	NUMBER OF BOAT (1) LANDED UN1	UN2	UN3	T	NUMBER OF BOAT (2) SAMPLED UN1	UN2	UN3	T	RATIO (2)/(1) UN1	UN2	UN3	T	NUMBER OF FISHING DAYS	NUMBER OF SAMPLING DAYS
AUGUST	86	-	712	-	712	-	186	-	186	-	0.26	-	0.26	27	7
SEPTEMBER		-	1092	-	1092	-	301	-	301	-	0.28	-	0.28	25	13
OCTOBER		-	1359	-	1359	-	372	-	372	-	0.27	-	0.27	25	13
NOVEMBER		-	375	-	375	-	372	-	372	-	0.99	-	0.99	24	12
DECEMBER		-	1068	-	1068	-	280	-	280	-	0.26	-	0.26	26	10
JANUARY	87	-	1196	-	1196	-	297	-	297	-	0.25	-	0.25	24	11
FEBRUARY		-	746	-	746	-	270	-	270	-	0.36	-	0.36	24	11
MARCH		-	794	-	794	-	274	-	274	-	0.35	-	0.35	25	11
APRIL		18	543	-	561	18	216	-	224	1.00	0.40	-	0.40	24	11
MAY		7	355	-	362	7	191	-	198	1.00	0.54	-	0.55	24	11
JUNE		1	26	-	27	1	20	-	21	1.00	0.77	-	0.78	24	8
JULY		-	1193	-	1193	-	220	-	220	-	0.18	-	0.18	24	11
SUBTOTAL		26	9459	-	9485	26	2999	-	3025	1.00	0.32	-	0.32	296	129
AUGUST	87	3	1348	-	1351	3	212	-	215	1.00	0.16	-	0.16	25	11
SEPTEMBER		6	665	-	671	6	167	-	173	1.00	0.25	-	0.26	26	9
OCTOBER		-	775	-	775	-	180	-	180	-	0.23	-	0.23	26	9
NOVEMBER		-	767	-	767	-	176	-	175	-	0.23	-	0.23	25	9
DECEMBER		-	724	-	724	-	160	-	160	-	0.22	-	0.22	27	8
JANUARY	88	-	575	-	575	-	169	-	169	-	0.29	-	0.29	24	8
FEBRUARY		-	536	-	536	-	160	-	160	-	0.30	-	0.30	24	8
MARCH		-	431	-	431	-	131	-	131	-	0.30	-	0.30	25	7
APRIL		-	423	-	423	-	167	-	167	-	0.39	-	0.39	24	9
MAY		-	100	-	100	-	58	-	58	-	0.58	-	0.58	24	6
JUNE		-	159	-	159	-	111	-	111	-	0.70	-	0.70	24	8
JULY		-	707	-	707	-	145	-	145	-	0.20	-	0.21	24	8
SUBTOTAL		9	7210	-	7219	9	1836	-	1845	1.00	0.25	-	0.26	298	100

SUMMARY OF SAMPLING ACTIVITIES

1.1 Number of boats sampled

1.1.2 Negombo

MONTH	YEAR	NUMBER OF BOAT (1) LANDED UN1	UN2	UN3	T	NUMBER OF BOAT (2) SAMPLED UN1	UN2	UN3	T	RATIO (2)/(1) UN1	UN2	UN3	T	NUMBER OF FISHING DAYS	NUMBER OF SAMPLING DAYS
AUGUST	86	30	1148	8	1186	30	261	8	299	1.00	0.23	1.00	0.25	26	9
SEPTEMBER		24	1405	15	1444	24	469	15	508	1.00	0.33	1.00	0.35	25	12
OCTOBER		11	877	18	906	11	308	18	337	1.00	0.35	1.00	0.37	26	13
NOVEMBER		6	501	30	537	6	170	30	206	1.00	0.34	1.00	0.38	25	12
DECEMBER		7	293	19	319	7	111	19	137	1.00	0.38	1.00	0.43	24	13
JANUARY	87	16	493	29	538	16	168	29	213	1.00	0.34	1.00	0.40	26	12
FEBRUARY		29	415	19	463	29	180	19	228	1.00	0.43	1.00	0.49	23	11
MARCH		21	489	17	527	21	187	17	225	1.00	0.38	1.00	0.43	25	12
APRIL		16	463	19	498	14	176	19	209	0.88	0.38	1.00	0.42	25	12
MAY		23	684	13	720	23	171	13	207	1.00	0.25	1.00	0.29	26	12
JUNE		9	867	21	897	9	191	21	221	1.00	0.22	1.00	0.25	25	13
JULY		17	1024	2	1043	17	219	2	239	1.00	0.21	1.00	0.23	25	12
SUBTOTAL		209	8659	210	9078	207	2611	210	3028	0.99	0.30	1.00	0.33	303	178
AUGUST	87	11	665	7	683	11	176	7	194	1.00	0.26	1.00	0.28	26	12
SEPTEMBER		17	339	14	370	17	81	14	112	1.00	0.24	1.00	0.30	25	8
OCTOBER		5	325	14	344	5	66	14	85	1.00	0.20	1.00	0.25	26	9
NOVEMBER		5	305	21	331	5	68	21	94	1.00	0.22	1.00	0.28	25	9
DECEMBER		3	241	17	261	3	85	17	105	1.00	0.35	1.00	0.40	24	8
JANUARY	88	4	247	28	279	4	91	28	123	1.00	0.37	1.00	0.44	25	8
FEBRUARY		30	115	10	155	30	97	8	135	1.00	0.84	0.80	0.87	24	8
MARCH		17	104	13	134	17	104	13	134	1.00	1.00	1.00	1.00	26	8
APRIL		26	94	12	132	26	94	12	132	1.00	1.00	1.00	1.00	24	8
MAY		7	132	12	151	7	132	12	151	1.00	1.00	1.00	1.00	25	9
JUNE		7	136	38	181	7	136	38	181	1.00	1.00	1.00	1.00	25	9
JULY		7	123	47	177	7	123	47	177	1.00	1.00	1.00	1.00	25	9
SUBTOTAL		139	2826	233	3198	139	1253	231	1623	1.00	0.44	0.99	0.51	300	105

SUMMARY OF SAMPLING ACTIVITIES

1.1 Number of boats sampled

1.1.3 Beruwala

		NUMBER OF BOAT (1) LANDED				NUMBER OF BOAT (2) SAMPLED				RATIO (2)/(1)				NUMBER OF FISHING DAYS	NUMBER OF SAMPLING DAYS
MONTH	YEAR	UN1	UN2	UN3	T	UN1	UN2	UN3	T	UN1	UN2	UN3	T		
AUGUST	86	-	826	-		-	386	-	386	-	0.47	-	0.47	26	15
SEPTEMBER		-	899	3	902	-	368	3	371	-	0.41	1.00	0.41	25	15
OCTOBER		-	753	1	754	-	234	0	234	-	0.31	1.00	0.31	26	15
NOVEMBER		-	1093	1	1094	-	343	1	344	-	0.31	1.00	0.31	25	15
DECEMBER		-	660	-	660	-	274	-	274	-	0.42	-	0.41	24	15
JANUARY	87	-	890	1	891	-	288	1	289	-	0.32	1.00	0.32	26	16
FEBRUARY		-	555	-	555	-	237	-	237	-	0.43	-	0.43	23	14
MARCH		-	665	1	666	-	269	1	270	-	0.40	1.00	0.41	26	16
APRIL		-	859	1	860	-	264	1	265	-	0.31	1.00	0.31	25	14
MAY		-	739	-	739	-	292	-	292	-	0.40	-	0.40	26	16
JUNE		-	216	6	222	-	159	6	165	-	0.74	1.00	0.74	25	13
JULY		-	873	15	888	-	249	15	254	-	0.29	1.00	0.29	26	14
SUBTOTAL		-	9030	29	9059	-	3363	28	3391	-	0.37	0.97	0.37	303	178
AUGUST	87	-	489	13	502	-	204	12	216	-	0.42	0.92	0.43	26	14
SEPTEMBER		-	276	5	281	-	145	5	150	-	0.53	1.00	0.53	25	10
OCTOBER		-	287	10	297	-	143	10	153	-	0.50	1.00	0.51	26	9
NOVEMBER		-	210	2	212	-	131	2	133	-	0.62	1.00	0.63	25	10
DECEMBER		-	337	3	340	-	166	3	169	-	0.49	1.00	0.50	24	10
JANUARY	88	-	244	1	245	-	153	1	154	-	0.63	1.00	0.62	25	10
FEBRUARY		-	257	1	258	-	138	1	139	-	0.54	1.00	0.54	24	9
MARCH		-	251	2	253	-	126	2	128	-	0.50	1.00	0.50	26	11
APRIL		-	133	-	133	-	71	-	71	-	0.53	-	0.54	24	6
MAY		-	149	-	149	-	124	-	124	-	0.83	-	0.83	25	10
JUNE		-	179	-	179	-	80	-	80	-	0.45	-	0.44	25	6
JULY		-	182	-	182	-	102	-	102	-	0.56	-	0.56	25	10
SUBTOTAL		-	2994	37	3031	-	1583	36	1619	-	0.53	0.97	0.53	300	115

SUMMARY OF SAMPLING ACTIVITIES

1.1 Number of boats sampled

1.1.4 3 sites combined

MONTH	YEAR	NUMBER OF BOAT (1) LANDED UN1	UN2	UN3	T	NUMBER OF BOAT (2) SAMPLED UN1	UN2	UN3	T	RATIO (2)/(1) UN1	UN2	UN3	T
AUGUST	86	30	2686	8	2724	30	833	8	871	1.00	0.31	1.00	0.32
SEPTEMBER		24	3396	18	3438	24	1138	17	1179	1.00	0.34	0.94	0.34
OCTOBER		11	2989	19	3019	11	914	19	944	1.00	0.31	1.00	0.31
NOVEMBER		6	1969	31	2006	6	885	31	922	1.00	0.45	1.00	0.46
DECEMBER		7	2021	19	2047	7	665	19	691	1.00	0.33	1.00	0.34
JANUARY	87	16	2579	30	2625	16	726	30	772	1.00	0.28	1.00	0.29
FEBRUARY		29	1716	19	1764	29	687	19	735	1.00	0.40	1.00	0.42
MARCH		21	1948	18	1987	21	730	18	769	1.00	0.37	1.00	0.39
APRIL		34	1865	20	1919	32	656	20	708	0.94	0.35	1.00	0.37
MAY		30	1778	13	1821	30	654	13	697	1.00	0.37	1.00	0.38
JUNE		10	1109	27	1146	10	370	27	407	1.00	0.33	1.00	0.36
JULY		17	3090	17	3124	17	688	17	722	1.00	0.23	1.00	0.23
SUBTOTAL		235	27146	239	27620	233	8946	238	9417	0.99	0.33	1.00	0.34
AUGUST	87	14	2502	19	2535	14	592	18	624	1.00	0.24	0.95	0.25
SEPTEMBER		23	1280	19	1322	23	393	19	435	1.00	0.31	1.00	0.33
OCTOBER		5	1387	24	1416	5	389	24	418	1.00	0.28	1.00	0.30
NOVEMBER		5	1282	23	1310	5	375	23	403	1.00	0.29	1.00	0.31
DECEMBER		3	1302	20	1325	3	411	20	433	1.00	0.32	1.00	0.33
JANUARY	88	4	1066	29	1099	4	413	29	446	1.00	0.39	1.00	0.41
FEBRUARY		30	908	11	949	30	395	9	434	1.00	0.44	0.82	0.46
MARCH		17	786	15	818	17	361	15	393	1.00	0.46	1.00	0.48
APRIL		26	650	12	688	26	332	12	370	1.00	0.51	1.00	0.54
MAY		7	381	12	400	7	314	12	333	1.00	0.82	1.00	0.83
JUNE		7	474	38	519	7	327	38	372	1.00	0.69	1.00	0.72
JULY		7	1012	47	1066	7	370	47	424	1.00	0.37	1.00	0.40
SUBTOTAL		148	13030	269	13447	148	4672	266	5086	1.00	0.36	0.99	0.38

SUMMARY OF SAMPLING ACTIVITIES

1.2 Number of fish measured

1.2.1 Kandakuliya

MONTH	YEAR	YFT	SKJ	KAW	FRI	BLT	LOT	BIP	DOT	BET	COM	GUT	STS	WAH	SAI	SWO	BUM	BLM	MLS	SSP
AUGUST	86	374	118	9	24	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0
SEPTEMBER		849	387	76	51	0	1	0	2	0	8	0	0	0	0	0	0	1	1	0
OCTOBER		822	419	155	106	0	0	0	0	0	5	0	0	1	0	0	2	0	2	1
NOVEMBER		690	385	5	4	0	0	0	0	0	1	0	0	0	2	4	3	1	0	0
DECEMBER		264	197	54	43	0	4	0	6	0	2	0	0	3	0	8	4	4	0	0
JANUARY	87	306	199	33	89	0	0	0	12	0	0	0	0	7	0	21	4	1	0	0
FEBRUARY		257	165	59	21	0	0	0	3	0	5	0	0	0	2	6	0	2	0	1
MARCH		237	443	22	0	0	0	0	17	0	9	0	0	5	0	1	4	2	0	0
APRIL		319	621	190	33	0	0	0	2	0	15	0	0	0	1	1	1	0	0	0
MAY		101	677	117	109	0	0	0	11	0	1	0	0	0	0	1	0	0	0	0
JUNE		65	131	0	10	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0
JULY		563	716	68	40	0	0	0	0	0	41	0	0	0	0	0	0	2	0	0
TOTAL		4,847	4,458	788	530	0	5	0	53	0	87	0	0	16	7	44	18	13	3	2

MONTH	YEAR	YFT	SKJ	KAW	FRI	BLT	LOT	BIP	DOT	BET	COM	GUT	STS	WAH	SAI	SWO	BUM	BLM	MLS	SSP
AUGUST	87	466	527	146	21	0	0	0	0	0	15	0	0	0	0	0	0	0	0	0
SEPTEMBER		302	249	216	67	0	0	0	0	0	47	0	0	0	0	2	0	0	0	0
OCTOBER		200	378	300	208	0	0	0	6	0	50	0	0	0	4	2	4	0	0	0
NOVEMBER		346	308	175	38	0	0	0	0	0	4	0	0	0	1	1	8	0	0	0
DECEMBER		328	211	127	82	0	0	0	5	0	15	0	0	1	2	3	10	3	0	0
JANUARY	88	249	191	191	87	0	0	0	2	0	10	0	0	0	1	3	5	0	0	0
FEBRUARY		239	260	161	56	0	0	0	3	0	6	0	0	0	0	1	5	0	0	0
MARCH		204	208	46	0	0	0	0	1	0	21	0	2	0	1	1	4	0	0	0
APRIL		169	365	45	4	0	0	0	0	0	11	0	0	0	2	0	3	0	0	0
MAY		54	168	2	0	0	0	0	0	0	2	0	0	2	0	0	0	0	0	0
JUNE		101	314	112	0	0	0	0	0	0	3	0	0	0	0	0	1	0	0	0
JULY		294	309	104	15	0	0	0	0	0	13	0	0	0	0	0	0	0	0	0
TOTAL		2,952	3,488	1,625	578	0	0	0	17	0	197	0	2	3	11	13	40	3	0	0

SUMMARY OF SAMPLING ACTIVITIES

1.2 Number of fish measured

1.2.2 Negombo

MONTH	YEAR	YFT	SKJ	KAW	FRI	BLT	LOT	BIP	DOT	BET	COM	GUT	STS	WAH	SAI	SWO	BUM	BLM	MLS	SSP
AUGUST	86	1,320	372	44	94	0	2	0	0	0	134	1	0	6	31	35	1	17	1	0
SEPTEMBER		640	357	493	452	398	0	0	0	0	87	0	0	0	7	13	1	14	5	6
OCTOBER		400	491	321	124	124	5	14	0	0	114	0	0	3	37	59	11	14	0	2
NOVEMBER		507	316	295	68	31	15	10	0	1	79	0	0	7	14	28	10	12	0	1
DECEMBER		152	93	150	23	13	0	0	0	0	105	0	0	9	6	18	1	1	0	0
JANUARY	87	323	196	83	0	0	0	0	0	0	82	0	0	17	6	77	13	4	1	0
FEBRUARY		144	279	75	3	0	0	0	0	0	46	38	0	18	1	61	16	8	0	0
MARCH		187	377	84	4	0	2	5	0	0	38	34	0	10	13	64	34	19	0	0
APRIL		204	462	217	51	7	0	0	0	0	63	3	0	11	38	30	12	4	2	0
MAY		200	465	237	53	5	0	1	0	0	7	6	0	5	18	18	17	6	3	0
JUNE		318	451	220	172	23	3	0	0	2	49	3	0	2	20	14	3	1	0	0
JULY		482	386	283	239	67	2	5	0	0	235	0	0	13	17	11	1	2	0	1
TOTAL		4,877	4,265	2,502	1,283	668	29	35	0	3	1,039	85	0	101	208	428	120	102	12	10

MONTH	YEAR	YFT	SKJ	KAW	FRI	BLT	LOT	BIP	DOT	BET	COM	GUT	STS	WAH	SAI	SWO	BUM	BLM	MLS	SSP
AUGUST	87	381	232	155	47	17	1	4	3	0	242	5	0	11	31	13	5	4	0	0
SEPTEMBER		143	114	179	106	5	22	4	0	0	89	8	0	11	19	4	3	0	0	0
OCTOBER		213	219	64	0	15	5	0	0	0	44	3	0	6	6	9	8	2	0	0
NOVEMBER		391	191	58	0	5	0	0	0	0	9	0	0	8	2	2	3	0	0	0
DECEMBER		404	80	43	21	0	6	0	0	0	26	18	0	12	1	5	1	0	0	0
JANUARY	88	417	167	178	0	0	0	0	0	0	30	19	0	5	3	10	1	0	0	0
FEBRUARY		265	197	173	0	0	0	0	0	0	103	44	0	10	0	4	1	0	0	0
MARCH		172	318	89	0	0	0	0	0	0	85	26	0	5	6	4	1	2	0	0
APRIL		69	257	115	0	0	1	0	0	0	108	16	12	3	5	4	0	0	0	0
MAY		205	316	81	68	5	0	0	0	0	39	6	2	0	1	0	3	0	0	0
JUNE		313	403	51	59	46	0	0	0	0	15	0	0	0	1	0	0	0	0	0
JULY		544	517	35	0	5	0	0	0	0	8	0	0	0	1	0	0	0	0	0
TOTAL		3,517	3,011	1,221	301	98	35	8	3	0	798	145	14	71	76	55	0	8	0	0

SUMMARY OF SAMPLING ACTIVITIES

1.2 Number of fish measured

1.2.3 Beruwala

MONTH	YEAR	YFT	SKJ	KAW	FRI	BLT	LOT	BIP	DOT	BET	COM	GUT	STS	WAH	SAI	SWO	BUM	BLM	MLS	SSP
AUGUST	86	286	368	427	396	105	0	3	0	0	174	0	0	18	136	37	44	31	0	0
SEPTEMBER		322	516	529	623	56	6	1	0	3	308	0	1	15	97	51	28	26	2	0
OCTOBER		315	645	522	431	69	3	11	0	0	90	0	0	16	55	28	21	26	4	0
NOVEMBER		514	391	625	242	131	5	1	0	0	90	0	0	5	66	59	31	37	6	0
DECEMBER		789	204	107	82	0	0	0	0	0	4	0	0	5	35	35	25	10	2	0
JANUARY	87	593	428	34	30	12	0	0	0	0	0	0	0	15	67	90	38	38	6	0
FEBRUARY		256	369	98	44	20	0	0	0	0	38	11	0	32	39	91	37	69	11	0
MARCH		335	377	56	77	0	0	0	0	0	11	6	0	64	60	75	32	29	3	0
APRIL		378	368	186	251	0	0	0	0	0	12	0	0	63	68	72	27	37	3	0
MAY		644	403	92	294	174	0	0	0	0	53	0	0	95	64	58	46	29	2	0
JUNE		384	309	140	160	81	0	0	0	0	19	0	0	59	22	28	19	6	0	0
JULY		547	356	134	316	328	0	0	0	0	278	0	0	79	80	55	44	14	1	0
TOTAL		5,363	4,734	2,950	2,946	976	14	15	0	3	1,077	17	1	466	789	679	392	352	40	0

MONTH	YEAR	YFT	SKJ	KAW	FRI	BLT	LOT	BIP	DOT	BET	COM	GUT	STS	WAH	SAI	SWO	BUM	BLM	MLS	SSP
AUGUST	87	343	391	195	163	216	0	3	0	0	84	0	0	40	60	30	25	6	2	0
SEPTEMBER		289	312	200	133	55	0	0	0	0	67	0	0	39	52	32	21	11	1	0
OCTOBER		333	269	168	92	103	0	0	0	1	35	0	0	38	24	22	22	4	0	0
NOVEMBER		362	290	138	65	46	0	0	0	1	10	0	0	30	27	29	18	8	0	0
DECEMBER		493	341	183	0	0	0	0	0	2	75	0	0	11	21	20	0	2	0	0
JANUARY	88	273	244	118	0	0	0	0	0	0	55	0	0	3	15	15	1	0	0	0
FEBRUARY		146	209	47	0	0	0	0	0	3	30	2	0	9	13	13	2	2	2	0
MARCH		151	202	51	20	31	0	0	0	2	2	0	0	2	18	24	2	2	5	0
APRIL		89	115	25	10	0	0	0	0	1	2	0	0	4	4	3	2	1	0	0
MAY		192	288	85	40	20	4	0	0	1	1	1	0	11	35	18	15	4	7	0
JUNE		58	116	74	45	0	0	0	0	2	0	0	0	0	8	0	2	2	0	0
JULY		150	298	40	9	0	5	0	0	0	28	0	0	7	20	9	13	3	2	0
TOTAL		2,879	3,075	1,324	577	471	9	3	0	13	389	3	0	195	297	215	123	45	19	0

SUMMARY OF SAMPLING ACTIVITIES

1.2 Number of fish measured

1.2.4 3 sites combined

MONTH	YEAR	YFT	SKJ	KAW	FRI	BLT	LOT	BIP	DOT	BET	COM	GUT	STS	WAH	SAI	SWO	BUM	BLM	MLS	SSP
AUGUST	86	1,980	858	480	514	105	2	3	0	0	308	1	0	24	169	72	45	48	1	0
SEPTEMBER		1,811	1,260	1,098	1,126	454	7	1	2	3	403	0	1	15	104	64	29	41	8	6
OCTOBER		1,537	1,555	998	661	193	8	25	0	0	209	0	0	20	92	87	34	40	6	3
NOVEMBER		1,711	1,092	925	314	162	20	11	0	1	170	0	0	12	82	91	44	50	6	1
DECEMBER		1,205	494	311	148	13	4	0	6	0	111	0	0	17	41	61	30	15	2	0
JANUARY	87	1,222	823	150	119	12	0	0	12	0	82	0	0	39	73	188	55	43	7	0
FEBRUARY		657	813	232	68	20	0	0	3	0	89	49	0	50	42	158	53	79	11	1
MARCH		759	1,197	162	81	0	2	5	17	0	58	40	0	79	73	140	70	50	3	0
APRIL		901	1,451	593	335	7	0	0	2	0	90	3	0	74	107	103	40	41	5	0
MAY		945	1,565	446	456	179	0	1	11	0	61	6	0	100	82	77	63	35	5	0
JUNE		767	891	360	342	104	3	0	0	2	68	3	0	61	42	44	22	7	0	0
JULY		1,592	1,458	485	595	395	2	5	0	0	554	0	0	92	97	66	45	18	1	1
TOTAL		15,087	13457	6,240	4,759	1,644	48	51	53	6	2,203	102	1	583	1,004	1,151	530	467	55	12

MONTH	YEAR	YFT	SKJ	KAW	FRI	BLT	LOT	BIP	DOT	BET	COM	GUT	STS	WAH	SAI	SWO	BUM	BLM	MLS	SSP
AUGUST	87	1,190	1,150	496	231	233	1	7	3	0	341	5	0	51	91	43	30	10	2	0
SEPTEMBER		734	675	595	306	60	22	4	0	0	203	8	0	50	71	38	24	11	1	0
OCTOBER		746	866	532	300	118	5	0	6	1	129	3	0	44	34	33	34	6	0	0
NOVEMBER		1,099	789	371	103	51	0	0	0	1	23	0	0	38	30	32	29	8	0	0
DECEMBER		1,225	632	353	103	0	6	0	5	2	116	18	0	24	24	28	11	5	0	0
JANUARY	88	929	602	487	87	0	0	0	2	0	95	19	0	8	19	28	7	0	0	0
FEBRUARY		650	666	381	56	0	0	0	3	3	139	46	0	19	13	18	8	2	2	0
MARCH		527	728	186	20	31	0	0	1	2	108	26	2	7	25	29	7	4	5	0
APRIL		327	737	185	14	0	1	0	0	1	121	16	12	7	11	7	5	1	0	0
MAY		451	772	168	108	25	4	0	0	1	42	7	2	13	36	18	18	4	7	0
JUNE		472	833	237	104	46	0	0	0	2	18	0	0	0	9	0	3	2	0	0
JULY		988	1,124	179	24	5	5	0	0	0	49	0	0	7	21	9	13	3	2	0
TOTAL		9,348	9,574	4,170	1,456	569	44	11	20	13	1,384	148	16	268	384	283	189	56	19	0

MONTHLY FISHING EFFORT AND CATCH

2.1 Kandakuliya • UN1

Unit of effort: Fishing days
Unit of catch : Kg

86/87

	A 86	S 86	O 86	N 86	D 86	J 87	F 87	M 87	A 87	M 87	J 87	J 87	TOTAL
EFFORT	0	0	0	0	0	0	0	0	40	15	3	0	58
CATCH BY SPECIES													
YFT	0	0	0	0	0	0	0	0	468	13	0	0	481
SKJ	0	0	0	0	0	0	0	0	312	164	0	0	476
FRI	0	0	0	0	0	0	0	0	190	135	24	0	349
KAW	0	0	0	0	0	0	0	0	961	48	0	0	1,009
BLT	0	0	0	0	0	0	0	0	0	0	0	0	0
LOT	0	0	0	0	0	0	0	0	0	0	0	0	0
BET	0	0	0	0	0	0	0	0	0	0	0	0	0
COM	0	0	0	0	0	0	0	0	166	0	0	0	166
BUT	0	0	0	0	0	0	0	0	0	0	0	0	0
STB	0	0	0	0	0	0	0	0	0	0	0	0	0
WAH	0	0	0	0	0	0	0	0	0	0	0	0	0
DOT	0	0	0	0	0	0	0	0	0	0	0	0	0
BIP	0	0	0	0	0	0	0	0	0	0	0	0	0
MLS	0	0	0	0	0	0	0	0	0	0	0	0	0
SSP	0	0	0	0	0	0	0	0	0	0	0	0	0
BUM	0	0	0	0	0	0	0	0	0	0	0	0	0
BLM	0	0	0	0	0	0	0	0	0	0	0	0	0
SAI	0	0	0	0	0	0	0	0	0	0	0	0	0
SWO	0	0	0	0	0	0	0	0	0	0	0	0	0
ALO	0	0	0	0	0	0	0	0	0	0	0	0	0
REQ	0	0	0	0	0	0	0	0	288	0	0	0	288
HAM	0	0	0	0	0	0	0	0	0	0	0	0	0
LAM	0	0	0	0	0	0	0	0	0	0	0	0	0
ELA	0	0	0	0	0	0	0	0	0	0	0	0	0
PEL	0	0	0	0	0	0	0	0	52	0	0	0	52
DEM	0	0	0	0	0	0	0	0	0	0	0	0	0
MAM	0	0	0	0	0	0	0	0	50	0	0	0	50
TOTAL:	0	0	0	0	0	0	0	0	2,487	360	24	0	2,871

87/88

	A 87	S 87	O 87	N 87	D 87	J 88	F 88	M 88	A 88	M 88	J 88	J 88	TOTAL
EFFORT	7	18	0	0	0	0	0	0	0	0	0	0	25
CATCH BY SPECIES													
YFT	23	136	0	0	0	0	0	0	0	0	0	0	159
SKJ	68	159	0	0	0	0	0	0	0	0	0	0	227
FRI	5	113	0	0	0	0	0	0	0	0	0	0	118
KAW	25	393	0	0	0	0	0	0	0	0	0	0	418
BLT	0	0	0	0	0	0	0	0	0	0	0	0	0
LOT	0	0	0	0	0	0	0	0	0	0	0	0	0
BET	0	0	0	0	0	0	0	0	0	0	0	0	0
COM	0	29	0	0	0	0	0	0	0	0	0	0	29
BUT	0	0	0	0	0	0	0	0	0	0	0	0	0
STS	0	0	0	0	0	0	0	0	0	0	0	0	0
WAH	0	0	0	0	0	0	0	0	0	0	0	0	0
DOT	0	0	0	0	0	0	0	0	0	0	0	0	0
BIP	0	0	0	0	0	0	0	0	0	0	0	0	0
MLS	0	0	0	0	0	0	0	0	0	0	0	0	0
SSP	0	0	0	0	0	0	0	0	0	0	0	0	0
BUM	0	410	0	0	0	0	0	0	0	0	0	0	410
BLM	0	0	0	0	0	0	0	0	0	0	0	0	0
SAI	0	0	0	0	0	0	0	0	0	0	0	0	0
SWO	68	0	0	0	0	0	0	0	0	0	0	0	68
ALO	0	0	0	0	0	0	0	0	0	0	0	0	0
REQ	0	0	0	0	0	0	0	0	0	0	0	0	0
HAM	0	0	0	0	0	0	0	0	0	0	0	0	0
LAM	0	0	0	0	0	0	0	0	0	0	0	0	0
ELA	0	0	0	0	0	0	0	0	0	0	0	0	0
PEL	259	234	0	0	0	0	0	0	0	0	0	0	493
DEM	0	0	0	0	0	0	0	0	0	0	0	0	0
MAM	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL:	448	1,474	0	0	0	0	0	0	0	0	0	0	1,922

MONTHLY FISHING EFFORT AND CATCH

2.2 Kandakuliya • UN2

Unit of effort: Fishing days
Unit of catch : Kg

86/87

	A 86	S 86	O 86	N 86	D 86	J 87	F 87	M 87	A 87	M 87	J 87	J 87	TOTAL
EFFORT	2,745	2,101	2,615	751	2,778	2,628	2,183	1,806	1,184	775	78	2,603	22,247
CATCH BY SPECIES													
YFT	260,972	136,145	140,839	53,387	100,371	73,810	83,714	30,788	23,422	4,385	3,128	304,753	1,215,714
SKJ	41,845	37,406	35,030	10,662	24,264	16,622	17,023	46,117	42,404	33,467	10,471	209,296	524,607
FRI	7,882	5,137	8,520	267	3,095	1,723	778	92	301	670	172	804	29,441
KAW	2,214	5,228	10,306	238	3,581	1,055	2,237	1,226	4,691	1,502	0	3,927	36,205
BLT	0	28	7	12	10	0	6	0	0	0	0	0	63
LOT	0	475	0	0	208	0	0	0	0	0	0	0	683
BET	0	0	0	0	0	0	0	0	0	0	0	0	0
COM	0	1,110	2,165	323	972	53	1,417	1,252	691	81	0	11,665	19,729
BUT	0	0	0	0	0	0	0	0	0	0	0	0	0
STS	0	0	0	0	0	0	0	0	0	0	0	0	0
WAH	0	0	70	0	764	888	54	468	0	0	0	0	2,244
DOT	0	265	0	0	2,996	4,685	2,002	6,155	1,627	1,705	0	0	19,435
BIP	0	0	0	0	0	0	0	0	0	0	0	0	0
MLS	0	168	1,258	0	0	0	0	0	0	0	0	0	1,426
SSP	0	42	63	0	0	0	145	0	0	0	0	0	250
BUM	0	2,094	11,079	2,977	16,170	5,951	905	2,320	406	0	0	1,775	43,677
BLM	1,476	2,443	703	2,935	10,297	475	4,800	652	0	0	0	4,673	28,454
SAI	2,391	698	0	87	794	0	247	0	285	0	0	0	4,502
SWO	11,070	0	0	657	7,311	5,212	1,700	158	153	45	304	0	26,610
ALO	0	1,194	492	0	0	0	0	0	0	0	0	0	1,686
REQ	5,919	5,556	6,939	3,606	6,101	16,094	12,235	9,397	8,741	3,049	9,660	10,529	97,826
HAM	0	0	0	0	0	5,371	115	0	0	0	0	0	5,486
LAM	0	0	0	0	188	0	0	0	0	0	0	0	188
ELA	3,011	768	1,090	0	0	0	0	0	0	0	0	0	4,869
PEL	0	3,218	8,563	1,745	5,119	4,465	12,187	6,649	2,959	0	0	1,302	46,207
DEM	0	0	0	0	0	0	0	0	0	0	0	0	0
MAM	886	838	0	1,214	7,093	9,502	5,813	3,097	893	0	0	0	29,336
TOTAL:	337,666	202,813	227,124	78,110	189,334	145,906	145,378	108,371	86,573	44,904	23,735	548,724	2,138,638

87/88

	A 87	S 87	O 87	N 87	D 87	J 88	F 88	M 88	A 88	M 88	J 88	J 88	TOTAL
EFFORT	3,063	1,921	2,182	2,132	2,443	1,746	1,689	1,786	1,235	469	486	2,121	21,273
CATCH BY SPECIES													
YFT	122,825	69,035	26,034	92,435	100,996	47,487	66,792	39,069	15,931	3,589	4,816	201,865	790,874
SKJ	61,138	27,738	41,814	33,194	21,271	19,685	37,547	27,613	43,011	18,050	43,073	134,889	509,023
FRI	217	1,231	7,090	339	1,817	806	753	0	20	0	26	424	12,723
KAW	4,003	5,429	11,126	2,143	4,627	5,422	8,361	412	304	7	1,492	3,906	47,232
BLT	0	0	0	0	0	0	0	0	0	0	0	0	0
LOT	0	0	0	0	0	0	0	0	0	0	0	0	0
BET	0	0	0	0	0	0	0	0	0	0	0	0	0
COM	3,511	11,627	12,495	1,005	2,687	1,184	855	2,503	2,558	124	456	2,809	41,814
BUT	0	0	0	0	0	0	0	0	0	0	0	0	0
STS	0	0	0	0	0	1,144	10	71	0	0	0	0	1,225
WAH	0	0	0	0	168	0	0	0	0	69	0	0	237
DOT	0	0	3,078	0	3,436	1,164	2,181	470	0	0	0	0	10,329
BIP	0	0	0	0	0	0	0	0	0	0	0	0	0
MLS	0	0	0	0	0	0	0	0	0	0	0	0	0
SSP	0	0	0	0	0	0	0	0	0	0	0	0	0
BUM	2,168	1,633	6,387	15,537	17,132	72,379	7,497	205,684	2,774	0	292	0	331,483
BLM	0	1,150	0	0	6,322	511	0	0	338	0	0	0	8,321
SAI	289	621	1,939	606	2,138	357	201	411	398	138	0	0	7,098
SWO	2,168	334	1,455	1,235	2,886	2,706	523	176	0	1,863	258	14,923	28,527
ALO	0	0	0	0	0	0	814	0	0	0	0	0	814
REQ	2,341	184	2,751	2,834	16,645	15,540	9,869	14,817	4,367	124	1,346	1,580	72,398
HAM	419	0	315	0	1,344	1,878	1,488	282	0	0	0	0	5,726
LAM	0	0	0	0	0	0	0	0	0	0	0	0	0
ELA	0	0	0	0	0	0	583	963	405	2,070	301	0	4,322
PEL	2,587	4,980	1,490	836	1,084	1,021	2,151	4,935	8,897	0	0	102	28,083
DEM	0	0	0	0	0	0	0	0	0	0	0	0	0
MAM	0	1,978	12,677	8,416	3,512	347	7,286	2,644	1,181	345	0	0	38,386
TOTAL:	201,666	125,940	128,651	158,580	186,065	171,631	146,911	300,050	80,184	26,379	52,060	360,498	1,938,615

MONTHLY FISHING EFFORT AND CATCH

2.3 Kandakuliya · All boats combined

Unit of effort: Fishing days
Unit of catch : Kg

86/87

	A 86	S 86	O 86	N 86	D 86	J 87	F 87	M 87	A 87	M 87	J 87	J 87	TOTAL
EFFORT	2,745	2,101	2,615	751	2,778	2,628	2,183	1,806	1,224	790	81	2,603	22,305
CATCH BY SPECIES													
YFT	260,972	136,145	140,839	53,387	100,371	73,810	83,714	30,788	23,890	4,398	3,128	304,753	1,216,195
SKJ	41,845	37,406	35,030	10,662	24,264	16,622	17,023	46,117	42,716	33,631	10,471	209,296	525,083
FRI	7,882	5,137	8,520	267	3,095	1,723	778	92	491	805	196	804	29,790
KAW	2,214	5,228	10,306	238	3,581	1,055	2,237	1,226	5,652	1,550	0	3,927	37,214
BLT	0	28	7	12	10	0	6	0	0	0	0	0	63
LOT	0	475	0	0	208	0	0	0	0	0	0	0	683
BET	0	0	0	0	0	0	0	0	0	0	0	0	0
COM	0	1,110	2,165	323	972	53	1,417	1,252	857	81	0	11,665	19,895
GUT	0	0	0	0	0	0	0	0	0	0	0	0	0
STS	0	0	0	0	0	0	0	0	0	0	0	0	0
WAH	0	0	70	0	764	888	54	468	0	0	0	0	2,244
DOT	0	265	0	0	2,996	4,685	2,002	6,155	1,627	1,705	0	0	19,435
BIP	0	0	0	0	0	0	0	0	0	0	0	0	0
MLS	0	168	1,258	0	0	0	0	0	0	0	0	0	1,426
SSP	0	42	63	0	0	0	145	0	0	0	0	0	250
BUM	0	2,094	11,079	2,977	16,170	5,951	905	2,320	406	0	0	1,775	43,677
BLM	1,476	2,443	703	2,935	10,297	475	4,800	652	0	0	0	4,673	28,454
SAI	2,391	698	0	87	794	0	247	0	285	0	0	0	4,502
SWO	11,070	0	0	657	7,311	5,212	1,700	158	153	45	304	0	26,610
ALO	0	1,194	492	0	0	0	0	0	0	0	0	0	1,686
REQ	5,919	5,556	6,939	3,606	6,101	16,094	12,235	9,397	9,029	3,049	9,660	10,529	98,114
HAM	0	0	0	0	0	5,371	115	0	0	0	0	0	5,486
LAM	0	0	0	0	188	0	0	0	0	0	0	0	188
ELA	3,011	768	1,090	0	0	0	0	0	0	0	0	0	4,869
PEL	0	3,218	8,563	1,745	5,119	4,465	12,187	6,649	3,011	0	0	1,302	46,259
DEM	0	0	0	0	0	0	0	0	0	0	0	0	0
MAM	886	838	0	1,214	7,093	9,502	5,813	3,097	943	0	0	0	29,386
TOTAL:	337,666	202,813	227,124	78,110	189,334	145,906	145,370	108,371	89,060	45,264	23,759	548,724	2,141,509

87/88

	A 87	S 87	O 87	N 87	D 87	J 88	F 88	M 88	A 88	M 88	J 88	J 88	TOTAL
EFFORT	3,070	1,939	2,182	2,132	2,443	1,746	1,689	1,786	1,233	469	486	2,121	21,298
CATCH BY SPECIES													
YFT	122,848	69,171	26,034	92,435	100,996	47,487	66,792	39,069	15,931	3,589	4,816	201,865	791,033
SKJ	61,206	27,897	41,814	33,194	21,271	19,685	37,547	27,613	43,011	18,050	43,073	134,889	509,250
FRI	222	1,344	7,090	339	1,817	806	753	0	20	0	26	424	12,841
KAW	4,028	5,822	11,126	2,143	4,627	5,422	8,361	412	304	7	1,492	3,906	47,650
BLT	0	0	0	0	0	0	0	0	0	0	0	0	0
LOT	0	0	0	0	0	0	0	0	0	0	0	0	0
BET	0	0	0	0	0	0	0	0	0	0	0	0	0
COM	3,511	11,656	12,495	1,005	2,687	1,184	855	2,503	2,558	124	456	2,809	41,843
GUT	0	0	0	0	0	0	0	0	0	0	0	0	0
STS	0	0	0	0	0	1,144	10	71	0	0	0	0	1,225
WAH	0	0	0	0	168	0	0	0	0	69	0	0	237
DOT	0	0	3,078	0	3,436	1,164	2,181	470	0	0	0	0	10,329
BIP	0	0	0	0	0	0	0	0	0	0	0	0	0
MLS	0	0	0	0	0	0	0	0	0	0	0	0	0
SSP	0	0	0	0	0	0	0	0	0	0	0	0	0
BUM	2,168	2,043	6,387	15,537	17,132	72,379	7,497	205,684	2,774	0	292	0	331,893
BLM	0	1,150	0	0	6,322	511	0	0	338	0	0	0	8,321
SAI	289	621	1,939	606	2,138	357	201	411	398	138	0	0	7,098
SWO	2,236	334	1,455	1,235	2,886	2,706	523	176	0	1,863	258	14,923	28,595
ALO	0	0	0	0	0	0	814	0	0	0	0	0	814
REQ	2,341	184	2,751	2,834	16,645	15,540	9,869	14,817	4,367	124	1,346	1,580	72,398
HAM	419	0	315	0	1,344	1,878	1,488	282	0	0	0	0	5,726
LAM	0	0	0	0	0	0	0	0	0	0	0	0	0
ELA	0	0	0	0	0	0	583	963	405	2,070	301	0	4,322
PEL	2,846	5,214	1,490	836	1,084	1,021	2,151	4,935	8,897	0	0	102	28,576
DEM	0	0	0	0	0	0	0	0	0	0	0	0	0
MAM	0	1,978	12,677	8,416	3,512	347	7,286	2,644	1,181	345	0	0	38,386
TOTAL:	202,114	127,414	128,651	158,580	186,065	171,631	146,911	300,050	80,184	26,379	52,060	360,498	1,940,537

MONTHLY FISHING EFFORT AND CATCH

Unit of effort: Fishing days
Unit of catch : Kg

86/87

	A 86	S 86	O 86	N 86	D 86	J 87	F 87	M 87	A 87	M 87	J 87	J 87	TOTAL
EFFORT	86	49	22	12	13	35	61	44	34	61	17	35	469
CATCH BY SPECIES													
YFT	69	1,328	180	231	20	117	0	56	0	13	15	123	2,152
SKJ	728	131	4	0	0	0	0	117	0	219	1,935	0	3,134
FRI	0	0	18	0	0	0	0	0	0	37	169	730	954
KAW	0	0	540	204	0	0	2	46	450	864	465	462	3,033
BLT	0	0	20	0	0	0	0	0	0	28	0	54	102
LOT	0	0	0	0	0	0	0	0	0	0	0	0	0
BET	0	0	0	0	0	0	0	0	0	0	0	0	0
COM	1,745	470	66	4	20	26	148	140	550	26	17	177	3,389
GUT	0	0	0	0	0	0	182	104	2	49	0	0	337
STS	0	0	0	0	0	2	0	0	0	0	0	0	2
WAH	29	0	194	0	0	668	0	0	0	11	0	19	921
DOT	0	0	0	0	0	0	0	0	0	0	0	0	0
BIP	0	0	2	0	0	0	0	0	0	0	0	2	4
MLS	0	0	0	0	0	230	0	0	0	0	0	0	230
SSP	0	0	0	0	0	0	0	0	0	0	0	0	0
BUM	0	0	0	0	0	773	0	0	0	0	0	0	773
BLM	0	0	0	0	0	0	0	0	0	0	0	0	0
SAI	283	114	0	0	0	0	0	0	0	85	0	0	482
SWO	179	0	254	0	0	248	0	50	0	65	0	0	796
ALO	0	0	0	0	0	0	0	0	0	0	0	0	0
REQ	636	464	160	44	28	712	21	0	0	0	4	0	2,069
HAM	0	0	0	0	0	716	21	0	0	0	0	0	737
LAM	0	0	0	0	0	0	0	0	0	0	0	0	0
ELA	0	0	0	106	20	265	111	42	0	169	6	19	738
PEL	0	538	686	21	81	121	877	562	139	291	98	139	3,553
DEM	0	0	20	0	54	154	205	46	45	0	12	0	536
MAM	0	0	0	0	0	0	167	0	0	0	0	0	167
TOTAL:	3,669	3,045	2,144	610	223	4,032	1,734	1,163	1,186	1,857	2,721	1,725	24,109

87/88

	A 87	S 87	O 87	N 87	D 87	J 88	F 88	M 88	A 88	M 88	J 88	J 88	TOTAL
EFFORT	24	53	15	14	9	12	90	58	75	34	31	19	434
CATCH BY SPECIES													
YFT	189	0	257	0	0	0	0	549	0	0	11	0	1,006
SKJ	0	0	116	0	0	0	0	2,311	81	0	47	0	2,555
FRI	2	488	0	0	0	0	0	0	0	0	0	0	490
KAW	13	228	0	95	0	0	48	49	0	0	131	103	667
BLT	0	0	0	0	0	0	0	0	0	0	0	0	0
LOT	0	0	0	0	0	0	0	0	0	0	0	0	0
BET	0	0	0	0	0	0	0	0	0	0	0	0	0
COM	219	59	190	6	3	19	780	170	489	292	28	33	2,288
GUT	0	0	0	0	6	37	258	98	78	11	0	0	488
STS	0	0	0	0	0	0	0	0	48	0	0	0	48
WAH	13	0	0	22	0	0	33	0	0	0	0	0	68
DOT	0	0	0	0	0	0	0	0	0	0	0	0	0
BIP	0	3	0	0	0	0	0	0	0	0	0	0	3
MLS	0	0	0	0	0	0	0	0	0	0	0	0	0
SSP	0	0	0	0	0	0	0	0	0	0	0	0	0
BUM	0	0	0	0	0	0	0	0	0	0	0	0	0
BLM	0	0	0	0	0	0	0	0	0	0	0	0	0
SAI	0	0	0	106	0	0	0	36	0	0	0	0	142
SWO	0	0	0	0	0	0	0	0	0	0	0	0	0
ALO	0	0	0	0	0	0	0	0	0	0	0	0	0
REQ	0	0	0	0	0	0	15	0	0	2,168	525	0	2,708
HAM	0	0	0	0	0	0	0	0	0	0	0	0	0
LAM	0	0	0	0	0	0	0	0	0	0	0	0	0
ELA	0	0	0	0	15	38	39	3	0	34	0	0	129
PEL	80	56	147	111	75	63	522	157	228	213	78	33	1,763
DEM	0	75	3	67	0	59	45	0	42	83	120	89	583
MAM	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL:	516	909	713	407	99	216	1,740	3,373	966	2,801	940	258	12,938

2.5 Negombo · UN2

Unit of effort: Fishing days
Unit of catch : Kg

86/87

	A 86	S 86	O 86	N 86	D 86	J 87	F 87	M 87	A 87	M 87	J 87	J 87	TOTAL
EFFORT	3,318	2,933	1,781	1,093	638	1,189	983	1,340	1,605	2,098	2,399	2,221	21,598
CATCH BY SPECIES													
YFT	277,370	156,632	33,025	42,700	9,468	22,796	8,294	16,244	14,243	22,022	29,333	72,726	704,853
SKJ	29,894	65,094	65,453	12,633	2,352	8,033	11,563	22,386	47,303	82,356	79,867	45,659	472,593
FRI	10,880	24,675	5,660	1,482	161	0	5	16	767	1,179	17,148	14,664	76,637
KAW	7,296	49,169	27,457	11,679	3,506	1,353	3,038	7,431	12,922	16,499	47,709	34,291	222,350
BLT	0	14,944	3,289	424	0	0	0	0	22	9	397	6,006	25,091
LOT	38	675	211	166	0	0	0	163	0	0	88	49	1,390
BET	0	0	0	6	0	0	0	0	0	0	26	0	32
COM	6,915	20,862	5,677	2,011	2,771	1,004	478	642	1,326	199	1,863	26,384	70,132
GUT	51	0	0	0	0	0	14	114	38	0	18	0	235
STS	0	0	0	0	0	0	0	0	0	0	0	0	0
WAH	0	376	3,015	363	273	565	483	550	553	286	150	1,005	7,619
DOT	0	0	741	0	0	0	0	0	0	0	0	0	741
BIP	0	13	120	6	0	0	0	60	0	17	9	59	284
MLS	1,042	4,907	0	0	0	337	0	0	647	1,292	0	488	8,713
SSP	0	469	211	0	29	0	0	0	0	0	0	78	787
BUM	2,046	3,381	4,520	7,915	506	5,791	5,801	13,768	20,128	14,089	2,543	1,375	81,863
BLM	22,281	19,376	8,134	8,346	857	2,299	20,552	8,868	3,228	6,832	671	1,619	103,063
SAI	16,815	9,169	10,294	1,882	969	1,918	623	2,856	10,270	5,739	4,327	4,612	69,474
SWO	23,691	5,301	7,991	2,122	1,963	13,316	8,119	11,054	7,233	6,399	2,570	2,955	92,714
ALO	0	0	0	0	0	0	0	0	0	0	0	439	439
REQ	28,217	56,281	24,089	14,612	4,315	104,972	47,088	66,569	80,238	66,845	80,291	5,305	578,822
HAM	0	500	0	0	0	3,239	642	1,034	1,403	1,518	2,075	0	10,411
LAM	0	0	0	0	818	0	1,497	218	192	35	397	0	3,157
ELA	0	0	3,380	2,608	1,656	1,207	4,768	3,111	1,408	2,306	2,340	858	23,642
PEL	51	13,094	7,307	3,893	6,721	12,599	3,835	2,557	1,644	1,743	3,338	3,734	60,516
DEM	0	506	2,525	49	1,807	5,550	1,121	1,627	269	347	768	29	14,598
MAM	2,860	4,969	4,566	234	292	1,365	2,029	2,073	438	173	1,802	2,818	23,619
TOTAL:	429,447	450,393	217,665	113,131	38,464	186,344	119,950	161,341	204,272	229,885	277,730	225,153	2,653,775

87/88

	A 87	S 87	O 87	N 87	D 87	J 88	F 88	M 88	A 88	M 88	J 88	J 88	TOTAL
EFFORT	1,941	1,504	2,149	2,566	2,392	3,384	1,300	1,284	1,032	834	1,148	1,206	20,740
CATCH BY SPECIES													
YFT	52,801	23,496	83,413	175,353	91,683	111,515	20,399	9,932	5,457	6,458	15,860	34,683	631,050
SKJ	12,465	10,891	71,022	35,939	4,004	17,838	17,568	17,579	13,317	15,310	49,837	41,894	307,664
FRI	2,490	3,142	0	0	937	0	0	0	0	826	1,126	209	8,730
KAW	31,056	18,366	3,396	2,444	2,573	25,012	15,433	2,899	7,476	1,537	1,459	1,643	113,294
BLT	287	511	355	0	0	0	0	0	0	42	608	86	1,889
LOT	33	0	0	0	43	0	0	0	9	0	0	0	85
BET	0	0	0	0	0	0	0	0	0	0	0	0	0
COM	12,736	10,865	2,985	573	1,124	1,541	1,457	1,775	2,055	489	317	36	35,953
GUT	139	327	142	0	349	424	0	72	21	3	0	0	1,477
STS	0	0	0	0	0	0	0	0	0	17	0	0	17
WAH	655	1,335	554	262	886	263	265	166	72	28	0	0	4,486
DOT	57	0	0	0	0	0	0	0	0	0	0	0	57
BIP	57	39	0	0	0	0	0	0	0	0	0	0	96
MLS	0	0	0	0	0	0	0	0	0	0	0	0	0
SSP	0	0	0	0	0	0	0	0	0	0	0	0	0
BUM	4,267	2,762	29,372	50,978	2,897	12,333	2,614	5,411	450	1,471	695	0	113,250
BLM	2,686	0	2,998	1,871	852	0	179	1,203	150	278	278	417	10,912
SAI	13,046	4,987	4,320	4,352	1,678	415	428	436	1,338	195	528	1,690	33,413
SWO	3,211	1,950	7,901	5,025	801	5,421	2,399	718	450	334	1,168	1,918	31,296
ALO	1,966	0	0	0	0	424	464	943	165	0	0	0	3,962
REQ	76,453	25,238	41,366	114,737	19,502	129,092	36,385	59,293	25,530	12,635	46,963	56,699	643,893
HAM	3,685	393	1,137	9,290	980	3,007	1,196	114	375	706	2,352	3,809	27,044
LAM	0	1,898	0	0	298	0	0	0	0	0	0	0	2,196
ELA	1,867	4,267	1,393	3,280	716	5,675	1,193	748	1,845	628	2,029	486	24,127
PEL	5,717	4,569	3,269	5,474	2,726	3,778	3,217	2,672	2,235	957	61	287	34,962
DEM	254	497	1,193	412	272	652	743	1,264	774	253	139	23	6,476
MAM	246	5,760	9,635	998	7,694	2,710	1,071	1,073	0	1,946	70	334	31,537
TOTAL:	226,174	121,293	264,451	410,988	140,015	320,100	105,011	106,298	61,719	44,113	123,490	144,214	2,067,866

MONTHLY FISHING EFFORT AND CATCH

2.6 Negombo • UN3

Unit of effort: Fishing days
Unit of catch : Kg

86/87

	A 86	S 86	O 86	N 86	D 86	J 87	F 87	M 87	A 87	M 87	J 87	J 87	TOTAL
EFFORT	46	116	136	204	91	195	111	160	237	222	367	187	2,072
CATCH BY SPECIES													
YFT	6,725	3,869	3,008	17,457	3,497	7,710	1,492	5,735	2,079	3,294	9,838	1,750	66,454
SKJ	1,133	3,983	8,722	5,389	636	1,654	5,453	10,410	12,961	26,415	46,723	14,768	138,247
FRI	0	595	214	65	114	0	0	0	0	0	222	208	1,418
KAW	0	1,075	1,794	2,953	3,922	9,728	1,018	605	2,289	1,935	508	16,872	42,699
BLT	0	275	360	174	215	0	0	0	0	0	0	0	1,024
LOT	0	0	0	200	0	0	0	0	0	0	0	0	200
BET	0	0	0	0	0	0	0	0	0	0	0	0	0
COM	578	1,643	28	1,837	1,145	1,178	230	0	72	0	0	0	6,711
SUT	0	0	0	0	0	0	50	0	0	0	0	0	50
STS	0	0	0	0	0	0	0	0	0	0	0	0	0
WAH	0	0	0	27	33	126	138	60	65	0	0	0	449
DOT	0	0	360	0	0	0	0	0	0	0	0	0	360
BIP	0	0	0	79	0	0	0	0	0	0	0	0	79
MLS	0	173	0	0	0	0	0	0	0	0	0	0	173
SSP	0	27	0	33	0	0	0	0	0	0	0	0	60
BUM	0	183	1,578	1,585	192	883	836	2,490	13,742	2,200	673	0	24,362
BLM	251	1,980	1,554	986	0	0	1,007	239	0	995	0	0	7,012
SAI	428	2,910	1,112	409	605	1,358	270	112	4,539	741	548	0	13,032
SWO	1,613	522	1,362	975	43	549	433	433	961	2,350	1,382	0	10,623
ALO	0	0	0	0	0	87	0	0	0	0	0	0	87
REQ	6,358	18,751	21,000	22,277	1,277	24,864	18,346	14,498	14,518	13,824	52,622	0	208,335
HAM	0	1,092	0	0	93	1,148	449	146	231	23	0	0	3,182
LAM	0	0	0	0	130	0	533	541	0	0	0	0	1,204
ELA	0	0	130	125	524	72	136	0	878	480	394	1,250	3,989
PEL	0	320	438	2,239	2,416	2,767	841	147	497	23	125	0	9,813
DEM	0	0	350	0	174	2,003	0	0	751	0	0	0	3,278
MAM	0	603	340	83	167	52	73	62	166	0	0	1,250	2,796
TOTAL:	17,086	38,001	42,350	56,893	15,183	54,179	31,305	35,478	53,749	52,280	113,035	36,098	545,637

87/88

	A 87	S 87	O 87	N 87	D 87	J 88	F 88	M 88	A 88	M 88	J 88	J 88	TOTAL
EFFORT	202	297	542	484	395	450	169	280	225	202	470	700	4,416
CATCH BY SPECIES													
YFT	21,067	16,455	23,328	45,589	33,224	40,730	6,371	3,357	0	3,917	8,504	35,180	237,722
SKJ	1,807	9,306	17,853	8,978	2,403	6,876	3,240	16,140	11,805	5,507	56,673	57,073	197,661
FRI	0	0	0	0	166	0	0	0	0	787	962	542	2,457
KAW	3,088	8,507	5,602	3,041	1,018	1,452	2,025	1,570	3,621	0	1,365	876	32,165
BLT	0	0	126	318	0	0	0	0	0	0	1,156	612	2,212
LOT	0	4,179	5,335	0	700	0	0	0	0	0	0	0	10,214
BET	0	0	0	0	0	0	0	0	0	0	0	0	0
COM	371	459	12,621	0	0	487	792	111	306	0	0	403	15,550
SUT	0	0	0	0	0	0	8	0	0	0	0	0	8
STS	0	0	0	0	0	0	0	0	0	0	0	0	0
WAH	0	0	0	57	35	25	38	0	0	0	0	0	155
DOT	0	0	0	0	0	0	0	0	0	0	0	0	0
BIP	0	0	0	0	0	0	0	0	0	0	0	0	0
MLS	0	0	0	0	0	0	0	0	0	0	0	0	0
SSP	0	0	0	0	0	0	0	0	0	0	0	0	0
BUM	0	629	8,733	14,064	6,591	1,864	0	985	600	0	0	139	33,605
BLM	0	202	1,083	0	0	208	0	0	0	278	0	556	2,327
SAI	0	472	1,959	1,341	1,211	270	0	85	285	0	167	940	6,730
SWO	1,235	765	920	643	194	707	116	527	60	250	667	1,501	7,585
ALO	3,510	0	0	0	0	0	0	0	0	0	167	0	3,677
REQ	39,910	32,099	48,230	43,153	14,300	18,063	13,200	37,863	10,890	15,234	44,911	49,289	367,142
HAM	2,178	1,390	2,523	0	716	25	0	0	0	375	3,784	3,600	14,591
LAM	0	0	0	0	0	0	0	0	0	0	0	0	0
ELA	0	383	2,003	594	503	3,245	319	0	0	0	973	904	8,924
PEL	130	323	0	115	294	254	53	991	870	97	8	56	3,191
DEM	0	81	1,113	0	0	62	1,406	195	0	28	0	403	3,288
MAM	0	383	2,894	2,509	430	1,165	0	0	0	0	3	389	7,773
TOTAL:	73,296	75,633	134,323	120,402	61,785	75,433	27,568	61,824	28,437	26,473	119,340	152,463	956,977

2.7 Negombo . All boats combined

Unit of effort: Fishing days
Unit of catch : Kg

86/87

	A 86	S 86	O 86	N 86	D 86	J 87	F 87	M 87	A 87	M 87	J 87	J 87	TOTAL
EFFORT	3,450	3,098	1,939	1,309	742	1,419	1,155	1,544	1,876	2,381	2,783	2,443	24,139
CATCH BY SPECIES													
YFT	284,164	161,829	36,213	60,388	12,985	30,623	9,786	22,035	16,322	25,329	39,186	74,599	773,459
SKJ	31,755	69,208	74,179	18,022	2,988	9,687	17,016	32,913	60,264	108,990	128,525	60,427	613,974
FRI	10,880	25,270	5,892	1,547	275	0	5	16	767	1,216	17,539	15,602	79,009
KAW	7,296	50,244	29,791	14,836	7,428	11,081	4,058	8,082	15,661	19,298	48,682	51,625	268,082
BLT	0	15,219	3,669	598	215	0	0	0	22	37	397	6,060	26,217
LOT	38	675	211	366	0	0	0	163	0	0	88	49	1,590
BET	0	0	0	6	0	0	0	0	0	0	26	0	32
COM	9,238	22,975	5,771	3,852	3,936	2,208	856	782	1,948	225	1,880	26,561	80,232
BUT	51	0	0	0	0	0	246	218	40	49	18	0	622
STB	0	0	0	0	0	2	0	0	0	0	0	0	2
WAH	29	376	3,209	390	306	1,359	621	610	618	297	150	1,024	8,989
DOT	0	0	1,101	0	0	0	0	0	0	0	0	0	1,101
BIP	0	13	122	85	0	0	0	60	0	17	9	61	367
MLS	1,042	5,080	0	0	0	567	0	0	647	1,292	0	488	9,116
SSP	0	496	211	33	29	0	0	0	0	0	0	78	847
BUM	2,046	3,564	6,098	9,500	698	7,447	6,637	16,258	33,870	16,289	3,216	1,375	106,998
BLM	22,532	21,356	9,688	9,332	857	2,299	21,559	9,107	3,228	7,827	671	1,619	110,075
SA1	17,526	12,193	11,406	2,291	1,574	3,276	893	2,968	14,809	6,565	4,875	4,612	82,988
SWO	25,483	5,823	9,607	3,097	2,006	14,113	8,552	11,537	8,194	8,814	3,952	2,955	104,133
ALO	0	0	0	0	0	87	0	0	0	0	0	439	526
REQ	35,211	75,496	45,249	36,933	5,620	130,548	65,455	81,067	94,756	80,669	132,917	5,305	789,226
HAM	0	1,592	0	0	93	5,103	1,112	1,180	1,634	1,541	2,075	0	14,330
LAM	0	0	0	0	948	0	2,030	759	192	35	397	0	4,361
ELA	0	0	3,510	2,839	2,200	1,544	5,015	3,153	2,286	2,955	2,740	2,127	28,369
PEL	51	13,952	8,431	6,153	9,218	15,487	5,553	3,266	2,280	2,057	3,561	3,873	73,882
DEM	0	506	2,895	49	2,035	7,707	1,326	1,673	1,065	347	780	29	18,412
MAM	2,860	5,572	4,906	317	459	1,417	2,269	2,135	604	173	1,802	4,068	26,582
TOTAL:	450,202	491,439	262,159	170,634	53,870	244,555	152,989	197,982	259,207	284,022	393,486	262,976	3,223,521

87/88

	A 87	S 87	O 87	N 87	D 87	J 88	F 88	M 88	A 88	M 88	J 88	J 88	TOTAL
EFFORT	2,167	1,854	2,706	3,064	2,796	3,846	1,559	1,622	1,332	1,070	1,649	1,925	25,590
CATCH BY SPECIES													
YFT	74,057	39,951	106,998	220,942	124,907	152,245	26,770	13,838	5,457	10,375	24,375	69,863	869,778
SKJ	14,272	20,197	88,991	44,917	6,407	24,714	20,808	36,030	25,203	20,817	106,557	98,967	507,880
FRI	2,492	3,630	0	0	1,103	0	0	0	0	1,613	2,088	751	11,677
KAW	34,157	27,101	8,998	5,580	3,591	26,464	17,506	4,518	11,097	1,537	2,955	2,622	146,126
BLT	287	511	481	318	0	0	0	0	0	42	1,764	698	4,101
LOT	33	4,179	5,335	0	743	0	0	0	9	0	0	0	10,299
BET	0	0	0	0	0	0	0	0	0	0	0	0	0
COM	13,326	11,383	15,796	579	1,127	2,047	3,029	2,056	2,850	781	345	472	53,791
GUT	139	327	142	0	355	461	266	170	99	14	0	0	1,973
STS	0	0	0	0	0	0	0	0	48	17	0	0	65
WAH	668	1,335	554	341	921	288	336	166	72	28	0	0	4,709
DOT	57	0	0	0	0	0	0	0	0	0	0	0	57
BIP	57	42	0	0	0	0	0	0	0	0	0	0	99
MLB	0	0	0	0	0	0	0	0	0	0	0	0	0
SSP	0	0	0	0	0	0	0	0	0	0	0	0	0
BUM	4,267	3,391	38,105	65,042	9,488	14,197	2,614	6,396	1,050	1,471	695	139	146,855
BLM	2,686	202	4,081	1,871	852	208	179	1,203	150	556	278	973	13,239
SA1	13,046	5,459	6,279	5,799	2,889	685	428	557	1,623	195	695	2,630	40,285
SWO	4,446	2,715	8,821	5,668	995	6,128	2,515	1,245	510	584	1,835	3,419	38,881
ALO	5,476	0	0	0	0	424	464	943	165	0	167	0	7,639
REQ	116,363	57,337	89,596	157,890	33,802	147,155	49,600	97,156	36,420	30,037	92,399	105,988	1,013,743
HAM	5,863	1,783	3,660	9,290	1,696	3,032	1,196	114	375	1,081	6,136	7,409	41,635
LAM	0	1,898	0	0	298	0	0	0	0	0	0	0	2,196
ELA	1,867	4,650	3,396	3,874	1,234	8,958	1,551	751	1,845	662	3,002	1,390	33,180
PEL	5,927	4,948	3,416	5,700	3,095	4,095	3,792	3,820	3,333	1,267	147	376	39,916
DEM	254	653	2,309	479	272	773	2,194	1,459	816	364	259	515	10,347
MAM	246	6,143	12,529	3,507	8,124	3,875	1,071	1,073	0	1,946	73	723	39,310
TOTAL:	299,986	197,835	399,487	531,797	201,899	395,749	134,319	171,495	91,122	73,387	243,770	296,935	3,037,781

2.8 Beruwala . UN2

Unit of effort: Fishing days
Unit of catch : Kg

86/87

	A 86	S 86	O 86	N 86	D 86	J 87	F 87	M 87	A 87	M 87	J 87	J 87	TOTAL
EFFORT	1,577	1,624	1,333	2,151	1,706	1,882	1,193	1,563	2,929	2,811	1,246	4,466	24,481
CATCH BY SPECIES													
YFT	62,098	15,332	25,210	58,787	122,896	89,924	21,583	20,180	32,327	54,856	30,859	89,467	623,519
SKJ	68,988	54,481	137,123	60,332	7,368	61,017	29,945	83,370	181,638	196,023	111,920	197,364	1,189,569
FRI	117,051	143,703	19,893	10,126	1,828	201	262	775	7,286	3,317	968	7,467	312,877
KAW	125,654	152,002	28,558	49,224	5,837	457	2,075	973	2,784	1,965	2,527	4,108	376,164
BLT	10,558	2,165	1,295	13,843	0	45	239	0	0	1,483	548	5,065	35,241
LOT	0	90	106	138	0	0	0	0	0	0	0	0	334
BET	0	1,221	0	0	0	0	0	0	0	206	131	0	1,558
COM	16,914	9,626	3,024	2,676	135	0	631	193	285	962	164	30,512	65,122
GUT	0	0	0	0	0	0	111	92	0	0	0	0	203
STS	0	16	0	5	4	0	0	0	0	0	0	0	25
WAH	664	655	1,038	388	170	1,290	1,501	2,766	4,491	3,922	1,705	5,605	24,195
DOT	0	0	0	0	0	0	0	0	0	0	0	0	0
BIP	26	81	179	5	0	0	0	0	0	0	0	0	291
MLS	0	1,070	1,707	1,911	920	2,434	3,153	852	1,272	1,311	0	1,152	15,782
SSP	0	0	0	0	0	0	0	0	0	0	0	0	0
BUM	13,942	13,305	12,326	11,134	9,510	19,087	7,470	10,846	15,762	48,293	16,328	69,683	247,686
BLM	9,141	12,886	13,866	15,001	3,604	30,146	20,456	9,809	28,585	23,045	3,388	16,087	186,014
SAI	17,296	13,663	11,813	11,512	4,793	14,282	5,136	8,884	22,904	25,758	9,560	33,630	179,231
SWO	3,432	6,639	6,836	10,307	6,049	14,242	9,479	12,313	21,961	8,960	3,362	21,086	124,666
ALO	0	0	0	0	0	0	0	0	0	0	0	0	0
REQ	31,906	24,928	19,809	24,166	7,492	44,401	28,194	25,591	33,472	87,925	27,882	125,742	481,508
HAM	0	0	0	0	1,378	7,213	2,349	5,049	12,427	13,292	4,746	16,503	62,957
LAM	0	0	0	0	0	2,691	578	0	0	0	0	553	3,822
ELA	0	0	1,283	531	308	5,246	96	0	3,921	13,666	4,307	17,381	46,739
PEL	1,354	4,925	5,558	6,463	5,629	7,807	11,081	11,301	15,994	7,596	2,918	11,197	91,823
DEM	0	0	0	0	0	321	0	0	0	0	0	0	321
MAM	0	366	2,014	2,932	231	3,237	424	201	6,392	8,282	1,305	12,370	37,754
TOTAL:	479,024	457,154	291,638	279,481	178,152	304,041	144,763	193,195	391,501	500,862	222,618	664,972	4,107,401

87/88

	A 87	S 87	O 87	N 87	D 87	J 88	F 88	M 88	A 88	M 88	J 88	J 88	TOTAL
EFFORT	2,456	1,761	2,419	1,584	1,977	1,399	1,880	1,679	1,513	902	2,200	915	20,685
CATCH BY SPECIES													
YFT	20,818	31,702	44,904	51,893	79,591	31,057	37,620	52,104	48,588	10,641	13,318	17,690	439,926
SKJ	139,561	74,717	98,026	69,474	18,331	17,356	69,090	63,872	92,172	58,418	169,233	193,582	1,063,832
FRI	3,947	1,766	754	316	0	0	0	234	97	939	8,202	50	16,305
KAW	6,191	4,636	3,498	1,785	2,669	1,685	1,320	1,196	3,063	1,634	8,351	1,674	37,702
BLT	1,629	681	1,154	332	0	0	0	229	0	482	0	0	4,507
LOT	0	0	0	0	0	0	0	0	0	53	0	153	206
BET	0	0	319	225	506	0	1,105	390	532	128	1,007	0	4,212
COM	2,484	1,671	940	172	1,319	946	555	36	37	66	0	473	8,699
GUT	0	0	0	0	0	0	40	0	0	32	0	0	72
STS	0	119	0	0	0	0	0	0	0	3	0	0	122
WAH	2,096	1,847	2,356	1,555	779	209	495	98	427	297	93	325	10,577
DOT	0	0	0	0	0	0	0	0	0	0	0	0	0
BIP	13	5	0	0	0	0	0	0	0	0	0	0	18
MLS	944	652	0	0	0	0	640	1,425	0	1,753	0	432	5,846
SSP	0	0	0	0	0	0	0	0	0	0	0	0	0
BUM	45,132	24,267	38,060	34,714	1,218	794	3,570	21,268	17,107	4,779	17,633	5,590	214,132
BLM	8,807	7,183	7,708	9,760	5,888	3,610	4,835	2,589	1,213	2,860	8,062	2,404	64,919
SAI	15,816	12,123	15,538	19,015	5,473	4,258	10,310	10,796	9,722	5,380	15,872	4,231	128,534
SWO	7,054	5,860	5,888	7,205	2,606	2,574	7,065	6,193	7,348	3,815	2,516	3,317	61,441
ALO	0	0	0	0	0	0	0	0	0	0	0	0	0
REQ	49,662	49,970	38,396	47,920	28,295	48,520	132,210	94,224	110,178	28,467	99,258	22,680	749,780
HAM	10,889	9,768	22,562	17,785	10,754	12,271	9,425	7,150	10,973	3,005	280	2,071	116,933
LAM	601	1,338	5,522	2,607	0	0	0	0	0	0	0	0	10,068
ELA	4,019	3,099	7,911	5,494	8,498	3,910	5,100	1,456	3,371	3,444	4,241	450	50,993
PEL	4,681	3,261	5,672	4,872	4,037	28,968	3,070	702	562	981	1,612	203	58,621
DEM	0	0	0	0	643	345	0	0	0	0	0	0	988
MAM	5,896	3,708	12,963	10,166	1,997	2,086	500	4,576	4,869	1,377	9,972	180	58,290
TOTAL:	330,240	238,373	312,171	285,290	172,604	158,589	286,950	268,538	310,259	128,554	359,650	255,505	3,106,723

MONTHLY FISHING EFFORT AND CATCH

2.9 Beruwala · UN3

Unit of effort: Fishing days
Unit of catch : Kg

86/87

	A 86	S 86	O 86	N 86	D 86	J 87	F 87	M 87	A 87	M 87	J 87	J 87	TOTAL
EFFORT	0	18	0	5	0	5	0	7	0	0	21	108	164
CATCH BY SPECIES													
YFT	0	1,647	0	124	0	417	0	248	0	0	54	831	3,321
SKJ	0	1,910	0	334	0	408	0	52	0	0	3,418	7,446	13,568
FRI	0	0	0	0	0	0	0	0	0	0	0	73	73
KAW	0	0	0	0	0	0	0	0	0	0	0	0	0
BLT	0	0	0	0	0	0	0	0	0	0	0	20	20
LOT	0	0	0	0	0	0	0	0	0	0	0	0	0
BET	0	0	0	0	0	0	0	0	0	0	0	0	0
COM	0	0	0	0	0	0	0	0	0	0	0	173	173
GUT	0	0	0	0	0	0	0	0	0	0	0	0	0
STS	0	0	0	0	0	0	0	0	0	0	0	0	0
WAH	0	0	0	0	0	0	0	0	0	0	0	190	190
DOT	0	0	0	0	0	0	0	0	0	0	0	0	0
BIP	0	0	0	0	0	0	0	0	0	0	0	0	0
MLS	0	0	0	0	0	0	0	0	0	0	0	0	0
SSP	0	0	0	0	0	0	0	0	0	0	0	0	0
BUM	0	1,186	0	407	0	85	0	0	0	0	785	1,397	3,860
BLM	0	142	0	0	0	0	0	0	0	0	0	0	142
SAI	0	0	0	344	0	0	0	0	0	0	73	426	843
SWO	0	407	0	170	0	230	0	0	0	0	96	381	1,284
ALO	0	0	0	0	0	0	0	0	0	0	0	0	0
REQ	0	1,921	0	167	0	896	0	962	0	0	6,624	15,038	25,608
HAM	0	0	0	0	0	57	0	0	0	0	317	1,795	2,169
LAM	0	0	0	0	0	0	0	0	0	0	0	0	0
ELA	0	0	0	0	0	0	0	0	0	0	0	335	335
PEL	0	0	0	0	0	20	0	0	0	0	0	89	109
DEM	0	0	0	0	0	20	0	0	0	0	0	0	20
MAM	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL:	0	7,213	0	1,546	0	2,133	0	1,262	0	0	11,367	28,194	51,715

87/88

	A 87	S 87	O 87	N 87	D 87	J 88	F 88	M 88	A 88	M 88	J 88	J 88	TOTAL
EFFORT	0	65	127	0	34	8	13	19	0	0	0	0	266
CATCH BY SPECIES													
YFT	0	370	0	0	1,978	318	465	415	0	0	0	0	3,546
SKJ	0	1,158	1,598	0	574	195	2,956	1,322	0	0	0	0	7,803
FRI	0	10	0	0	0	0	0	0	0	0	0	0	10
KAW	0	33	0	0	91	0	0	19	0	0	0	0	143
BLT	0	13	0	0	0	0	0	0	0	0	0	0	13
LOT	0	0	0	0	0	0	0	0	0	0	0	0	0
BET	0	0	0	0	0	0	0	158	0	0	0	0	158
COM	0	103	0	0	0	0	0	0	0	0	0	0	103
GUT	0	0	0	0	0	0	0	0	0	0	0	0	0
STS	0	0	0	0	0	0	0	0	0	0	0	0	0
WAH	0	30	0	0	0	0	0	0	0	0	0	0	30
DOT	0	0	0	0	0	0	0	0	0	0	0	0	0
BIP	0	0	0	0	0	0	0	0	0	0	0	0	0
MLS	0	0	0	0	0	0	0	0	0	0	0	0	0
SSP	0	0	0	0	0	0	0	0	0	0	0	0	0
BUM	0	400	0	0	0	0	0	713	0	0	0	0	1,113
BLM	0	0	0	0	1,027	250	0	0	0	0	0	0	1,277
SAI	0	193	0	0	1,080	0	873	512	0	0	0	0	2,658
SWO	0	0	0	0	252	0	0	142	0	0	0	0	394
ALO	0	0	0	0	0	0	0	0	0	0	0	0	0
REQ	0	3,430	10,606	0	4,272	4,000	6,675	6,089	0	0	0	0	35,072
HAM	0	513	5,216	0	864	450	0	708	0	0	0	0	7,751
LAM	0	108	1,734	0	0	0	0	0	0	0	0	0	1,842
ELA	0	50	0	0	552	0	935	0	0	0	0	0	1,537
PEL	0	0	0	0	149	0	0	0	0	0	0	0	149
DEM	0	0	0	0	0	0	0	0	0	0	0	0	0
MAM	0	108	0	0	624	0	0	0	0	0	0	0	732
TOTAL:	0	6,519	19,154	0	11,463	5,213	11,904	10,078	0	0	0	0	64,331

2.10 Beruwala · All boats combined

Unit of effort: Fishing days
Unit of catch : Kg

86/87

	A 86	S 86	O 86	N 86	D 86	J 87	F 87	M 87	A 87	M 87	J 87	J 87	TOTAL
EFFORT	1,577	1,642	1,333	2,156	1,706	1,887	1,193	1,570	2,929	2,811	1,267	4,574	24,645
CATCH BY SPECIES													
YFT	62,098	16,979	25,210	58,911	122,896	90,341	21,583	20,428	32,327	54,856	30,913	90,298	626,840
SKJ	68,988	56,391	137,123	60,666	7,368	61,425	29,945	83,422	181,638	196,023	115,338	204,810	1,203,137
FRI	117,051	143,703	19,893	10,126	1,828	201	262	775	7,286	3,317	968	7,540	312,950
KAW	125,654	152,002	28,558	49,224	5,837	457	2,075	973	2,784	1,965	2,527	4,108	376,164
BLT	10,558	2,165	1,295	13,843	0	45	239	0	0	1,483	548	5,085	35,261
LOT	0	90	106	138	0	0	0	0	0	0	0	0	334
BET	0	1,221	0	0	0	0	0	0	0	206	131	0	1,558
COM	16,914	9,626	3,024	2,676	135	0	631	193	285	962	164	30,685	65,295
GUT	0	0	0	0	0	0	111	92	0	0	0	0	203
STS	0	16	0	5	4	0	0	0	0	0	0	0	25
WAH	664	655	1,038	388	170	1,290	1,501	2,766	4,491	3,922	1,705	5,795	24,385
DOT	0	0	0	0	0	0	0	0	0	0	0	0	0
BIF	26	81	179	5	0	0	0	0	0	0	0	0	291
MLS	0	1,070	1,707	1,911	920	2,434	3,153	852	1,272	1,311	0	1,152	15,782
SSP	0	0	0	0	0	0	0	0	0	0	0	0	0
BUM	13,942	14,491	12,326	11,541	9,510	19,172	7,470	10,846	15,762	48,293	17,113	71,080	251,546
BLM	9,141	13,028	13,866	15,001	3,604	30,146	20,456	9,809	28,585	23,045	3,388	16,087	186,156
SAI	17,296	13,663	11,813	11,856	4,793	14,282	5,136	8,884	22,904	25,758	9,633	34,056	180,074
SWO	3,432	7,046	6,836	10,477	6,049	14,472	9,479	12,313	21,961	8,960	3,458	21,467	125,950
ALO	0	0	0	0	0	0	0	0	0	0	0	0	0
REQ	31,906	26,849	19,809	24,333	7,492	45,297	28,194	26,553	33,472	87,925	34,506	140,780	507,116
HAM	0	0	0	0	1,378	7,270	2,349	5,049	12,427	13,292	5,063	18,298	65,126
LAM	0	0	0	0	0	2,691	578	0	0	0	0	553	3,822
ELA	0	0	1,283	531	308	5,246	96	0	3,921	13,666	4,307	17,716	47,074
PEL	1,354	4,925	5,558	6,463	5,629	7,827	11,081	11,301	15,994	7,596	2,918	11,286	91,932
DEM	0	0	0	0	0	341	0	0	0	0	0	0	341
MAM	0	366	2,014	2,932	231	3,237	424	201	6,392	8,282	1,305	12,370	37,754
TOTAL:	479,024	464,367	291,638	281,027	178,152	306,174	144,763	194,457	391,501	500,862	233,985	693,166	4,159,116

87/88

	A 87	S 87	O 87	N 87	D 87	J 88	F 88	M 88	A 88	M 88	J 88	J 88	TOTAL
EFFORT	2,456	1,826	2,546	1,584	2,011	1,407	1,893	1,698	1,513	902	2,200	915	20,951
CATCH BY SPECIES													
YFT	20,818	32,072	44,904	51,893	81,569	31,375	38,085	52,519	48,588	10,641	13,318	17,690	443,472
SKJ	139,561	75,875	99,624	69,474	18,905	17,551	72,046	65,194	92,172	58,418	169,233	193,582	1,071,635
FRI	3,947	1,776	754	316	0	0	0	234	97	939	8,202	50	16,315
KAW	6,191	4,669	3,498	1,785	2,760	1,685	1,320	1,215	3,063	1,634	8,351	1,674	37,845
BLT	1,629	694	1,154	332	0	0	0	229	0	482	0	0	4,520
LOT	0	0	0	0	0	0	0	0	0	53	0	153	206
BET	0	0	319	225	506	0	1,105	548	532	128	1,007	0	4,370
COM	2,484	1,774	940	172	1,319	946	555	36	37	66	0	473	8,802
GUT	0	0	0	0	0	0	40	0	0	32	0	0	72
STS	0	119	0	0	0	0	0	0	0	3	0	0	122
WAH	2,096	1,877	2,356	1,555	779	209	495	98	427	297	93	325	10,607
DOT	0	0	0	0	0	0	0	0	0	0	0	0	0
BIF	13	5	0	0	0	0	0	0	0	0	0	0	18
MLS	944	652	0	0	0	0	640	1,425	0	1,753	0	432	5,846
SSP	0	0	0	0	0	0	0	0	0	0	0	0	0
BUM	45,132	24,667	38,060	34,714	1,218	794	3,570	21,981	17,107	4,779	17,633	5,590	215,245
BLM	8,807	7,183	7,708	9,760	6,915	3,860	4,835	2,589	1,213	2,860	8,062	2,404	66,196
SAI	15,816	12,316	15,538	19,015	6,553	4,258	11,183	11,308	9,722	5,380	15,872	4,231	131,192
SWO	7,054	5,860	5,888	7,205	2,858	2,574	7,065	6,335	7,348	3,815	2,516	3,317	61,835
ALO	0	0	0	0	0	0	0	0	0	0	0	0	0
REQ	49,662	53,400	49,002	47,920	32,567	52,520	138,885	100,313	110,178	28,467	99,258	22,680	784,852
HAM	10,889	10,281	27,778	17,785	11,618	12,721	9,425	7,858	10,973	3,005	280	2,071	124,684
LAM	601	1,446	7,256	2,607	0	0	0	0	0	0	0	0	11,910
ELA	4,019	3,149	7,911	5,494	9,050	3,910	6,035	1,456	3,371	3,444	4,241	450	52,530
PEL	4,681	3,261	5,672	4,872	4,186	28,968	3,070	702	562	981	1,612	203	58,770
DEM	0	0	0	0	643	345	0	0	0	0	0	0	988
MAM	5,896	3,816	12,963	10,166	2,621	2,086	500	4,576	4,869	1,377	9,972	180	59,022
TOTAL:	330,240	244,892	331,325	285,290	184,067	163,802	298,854	278,616	310,259	128,554	359,650	255,505	3,171,054

2.11 3 Sites combined · UN1

Unit of effort: Fishing days
Unit of catch : Kg

86/87

	A 86	S 86	O 86	N 86	D 86	J 87	F 87	M 87	A 87	M 87	J 87	J 87	TOTAL
EFFORT	86	49	22	12	13	35	61	44	74	76	20	35	527
CATCH BY SPECIES													
YFT	69	1,328	180	231	20	117	0	56	468	26	15	123	2,633
SKJ	728	131	4	0	0	0	0	117	312	383	1,935	0	3,610
FRI	0	0	18	0	0	0	0	0	190	172	193	730	1,303
KAW	0	0	540	204	0	0	2	46	1,411	912	465	462	4,042
BLT	0	0	20	0	0	0	0	0	0	28	0	54	102
LOT	0	0	0	0	0	0	0	0	0	0	0	0	0
BET	0	0	0	0	0	0	0	0	0	0	0	0	0
COM	1,745	470	66	4	20	26	148	140	716	26	17	177	3,555
GUT	0	0	0	0	0	0	182	104	2	49	0	0	337
STS	0	0	0	0	0	2	0	0	0	0	0	0	2
WAH	29	0	194	0	0	668	0	0	0	11	0	19	921
DOT	0	0	0	0	0	0	0	0	0	0	0	0	0
BIP	0	0	2	0	0	0	0	0	0	0	0	2	4
MLS	0	0	0	0	0	230	0	0	0	0	0	0	230
BSP	0	0	0	0	0	0	0	0	0	0	0	0	0
BUM	0	0	0	0	0	773	0	0	0	0	0	0	773
BLM	0	0	0	0	0	0	0	0	0	0	0	0	0
SAI	283	114	0	0	0	0	0	0	0	85	0	0	482
SWO	179	0	254	0	0	248	0	50	0	65	0	0	796
ALO	0	0	0	0	0	0	0	0	0	0	0	0	0
REQ	636	464	160	44	28	712	21	0	288	0	4	0	2,357
HAM	0	0	0	0	0	716	21	0	0	0	0	0	737
LAM	0	0	0	0	0	0	0	0	0	0	0	0	0
ELA	0	0	0	106	20	265	111	42	0	169	6	19	738
PEL	0	538	686	21	81	121	877	562	191	291	98	139	3,605
DEM	0	0	20	0	54	154	205	46	45	0	12	0	536
MAM	0	0	0	0	0	0	167	0	50	0	0	0	217
TOTAL:	3,669	3,045	2,144	610	223	4,032	1,734	1,163	3,673	2,217	2,745	1,725	26,980

87/88

	A 87	S 87	O 87	N 87	D 87	J 88	F 88	M 88	A 88	M 88	J 88	J 88	TOTAL
EFFORT	31	71	15	14	9	12	90	58	75	34	31	19	459
CATCH BY SPECIES													
YFT	212	136	257	0	0	0	0	549	0	0	11	0	1,165
SKJ	68	159	116	0	0	0	0	2,311	81	0	47	0	2,782
FRI	7	601	0	0	0	0	0	0	0	0	0	0	608
KAW	38	621	0	95	0	0	48	49	0	0	131	103	1,085
BLT	0	0	0	0	0	0	0	0	0	0	0	0	0
LOT	0	0	0	0	0	0	0	0	0	0	0	0	0
BET	0	0	0	0	0	0	0	0	0	0	0	0	0
COM	219	88	190	6	3	19	780	170	489	292	28	33	2,317
GUT	0	0	0	0	6	37	258	98	78	11	0	0	488
STS	0	0	0	0	0	0	0	0	48	0	0	0	48
WAH	13	0	0	22	0	0	33	0	0	0	0	0	68
DOT	0	0	0	0	0	0	0	0	0	0	0	0	0
BIP	0	3	0	0	0	0	0	0	0	0	0	0	3
MLS	0	0	0	0	0	0	0	0	0	0	0	0	0
SSP	0	0	0	0	0	0	0	0	0	0	0	0	0
BUM	0	410	0	0	0	0	0	0	0	0	0	0	410
BLM	0	0	0	0	0	0	0	0	0	0	0	0	0
SAI	0	0	0	106	0	0	0	36	0	0	0	0	142
SWO	68	0	0	0	0	0	0	0	0	0	0	0	68
ALO	0	0	0	0	0	0	0	0	0	0	0	0	0
REQ	0	0	0	0	0	0	15	0	0	2,168	525	0	2,708
HAM	0	0	0	0	0	0	0	0	0	0	0	0	0
LAM	0	0	0	0	0	0	0	0	0	0	0	0	0
ELA	0	0	0	0	15	38	39	3	0	34	0	0	129
PEL	339	290	147	111	75	63	522	157	228	213	78	33	2,256
DEM	0	75	3	67	0	59	45	0	42	83	120	89	583
MAM	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL:	964	2,383	713	407	99	216	1,740	3,373	966	2,801	940	258	14,860

2.12 3 sites combined • UN2

Unit of effort: Fishing days

Unit of catch : Kg

86/87

	A 86	S 86	O 86	N 86	D 86	J 87	F 87	M 87	A 87	M 87	J 87	J 87	TOTAL
EFFORT	7,640	6,658	5,729	3,995	5,122	5,699	4,359	4,709	5,718	5,684	3,723	9,290	68,326
CATCH BY SPECIES													
YFT	600,440	308,109	199,074	154,874	232,735	186,530	113,591	67,212	69,992	81,263	63,320	466,946	2,544,086
SKJ	140,727	156,981	237,606	83,627	33,984	85,672	58,531	151,873	271,345	311,846	202,258	452,319	2,186,769
FRI	135,813	173,515	34,073	11,875	5,084	1,924	1,045	883	8,354	5,166	18,288	22,935	418,955
KAW	135,164	206,399	66,321	61,141	12,924	2,865	7,350	9,630	20,397	19,966	50,236	42,326	634,719
BLT	10,558	17,137	4,591	14,279	10	45	245	0	22	1,492	945	11,071	60,395
LOT	38	1,240	317	304	208	0	0	163	0	0	88	49	2,407
BET	0	1,221	0	6	0	0	0	0	0	206	157	0	1,590
COM	23,829	31,598	10,866	5,010	3,878	1,057	2,526	2,087	2,302	1,242	2,027	68,561	154,983
GUT	51	0	0	0	0	0	125	206	38	0	18	0	438
STS	0	16	0	5	4	0	0	0	0	0	0	0	25
WAH	664	1,031	4,123	751	1,207	2,743	2,038	3,784	5,044	4,208	1,855	6,610	34,058
DOT	0	265	741	0	2,996	4,685	2,002	6,155	1,627	1,705	0	0	20,176
BIP	26	94	299	11	0	0	0	60	0	17	9	59	575
MLS	1,042	6,145	2,965	1,911	920	2,771	3,153	852	1,919	2,603	0	1,640	25,921
SSP	0	511	274	0	29	0	145	0	0	0	0	78	1,037
BUM	15,988	18,780	27,925	22,026	26,186	30,829	14,176	26,934	36,296	62,382	18,871	72,833	373,226
BLM	32,898	34,705	22,703	26,282	14,758	32,920	45,808	19,329	31,813	29,877	4,059	22,379	317,531
SAI	36,502	23,530	22,107	13,481	6,556	16,200	6,006	11,740	33,459	31,497	13,887	38,242	253,207
SWO	38,193	11,940	14,827	13,086	15,323	32,770	19,298	23,525	29,347	15,404	6,236	24,041	243,990
ALO	0	1,194	492	0	0	0	0	0	0	0	0	439	2,125
REQ	66,042	86,765	50,837	42,384	17,908	165,467	87,517	101,557	122,451	157,819	117,833	141,576	1,158,156
HAM	0	500	0	0	1,378	15,823	3,106	6,083	13,830	14,810	6,821	16,503	78,854
LAM	0	0	0	0	1,006	2,691	2,075	218	192	35	397	553	7,167
ELA	3,011	768	5,753	3,139	1,964	6,453	4,864	3,111	5,329	15,972	6,647	18,239	75,250
PEL	1,405	21,237	21,428	12,101	17,469	24,871	27,103	20,507	20,597	9,339	6,256	16,233	198,546
DEM	0	506	2,525	49	1,807	5,871	1,121	1,627	269	347	768	29	14,919
MAM	3,746	6,173	6,580	4,380	7,616	14,104	8,266	5,371	7,723	8,455	3,107	15,188	90,709
TOTAL:	1,246,137	1,110,360	736,427	470,722	405,950	636,291	410,091	462,907	682,346	775,651	524,083	1,438,849	8,899,814

87/88

	A 87	S 87	O 87	N 87	D 87	J 88	F 88	M 88	A 88	M 88	J 88	J 88	TOTAL
EFFORT	7,460	5,186	6,750	6,282	6,812	6,529	4,869	4,749	3,780	2,205	3,834	4,242	62,698
CATCH BY SPECIES													
YFT	196,444	124,233	154,351	319,681	272,270	190,059	124,811	101,105	69,976	20,688	33,994	254,238	1,861,850
SKJ	213,164	113,346	210,862	138,607	43,606	54,879	124,205	109,064	148,500	91,778	262,143	370,365	1,880,519
FRI	6,654	6,139	7,844	655	2,754	806	753	234	117	1,765	9,354	683	37,758
KAW	41,250	28,431	18,020	6,372	9,869	32,119	25,114	4,507	10,843	3,178	11,302	7,223	198,228
BLT	1,916	1,192	1,509	332	0	0	0	229	0	524	608	86	6,396
LOT	33	0	0	0	43	0	0	0	9	53	0	153	291
BET	0	0	319	225	506	0	1,105	390	532	128	1,007	0	4,212
COM	18,731	24,163	16,420	1,750	5,130	3,671	2,867	4,314	4,650	679	773	3,318	86,466
GUT	139	327	142	0	349	424	40	72	21	35	0	0	1,549
STS	0	119	0	0	0	1,144	10	71	0	20	0	0	1,364
WAH	2,751	3,182	2,910	1,817	1,833	472	760	264	499	394	93	325	15,300
DOT	57	0	3,078	0	3,436	1,164	2,181	470	0	0	0	0	10,386
BIP	70	44	0	0	0	0	0	0	0	0	0	0	114
MLS	944	652	0	0	0	0	640	1,425	0	1,753	0	432	5,846
SSP	0	0	0	0	0	0	0	0	0	0	0	0	0
BUM	51,567	28,662	73,819	101,229	21,247	85,506	13,681	232,363	20,331	6,250	18,620	5,590	658,865
BLM	11,493	8,333	10,706	11,631	13,062	4,121	5,014	3,792	1,701	3,138	8,340	2,821	84,152
SAI	29,151	17,731	21,797	23,973	9,289	5,030	10,939	11,643	11,458	5,713	16,400	5,921	169,045
SWO	12,433	8,144	15,244	13,465	6,293	10,701	9,987	7,087	7,798	6,012	3,942	20,158	121,264
ALO	1,966	0	0	0	0	424	1,278	943	165	0	0	0	4,776
REQ	128,456	75,392	82,513	165,491	64,442	193,152	178,464	168,334	140,075	41,226	147,567	80,959	1,466,071
HAM	14,993	10,161	24,014	27,075	13,078	17,156	12,109	7,546	11,348	3,711	2,632	5,880	149,703
LAM	601	3,236	5,522	2,607	298	0	0	0	0	0	0	0	12,264
ELA	5,886	7,366	9,304	8,774	9,214	9,585	6,876	3,167	5,621	6,142	6,571	936	79,442
PEL	12,985	12,810	10,431	11,182	7,847	33,767	8,438	8,309	11,694	1,938	1,673	592	121,666
DEM	254	497	1,193	412	915	997	743	1,264	774	253	139	23	7,464
MAM	6,142	11,446	35,275	19,580	13,203	5,143	8,857	8,293	6,050	3,668	10,042	514	128,213
TOTAL:	758,080	485,606	705,273	854,858	498,684	650,320	538,872	674,886	452,162	199,046	535,200	760,217	7,113,204

2.13 3 sites combined · UN3

Unit of effort: Fishing days

Unit of catch : Kg

86/87

	A 86	S 86	O 86	N 86	D 86	J 87	F 87	M 87	A 87	M 87	J 87	J 87	TOTAL
EFFORT	46	134	136	209	91	200	111	167	237	222	388	295	2,236
CATCH BY SPECIES													
YFT	6,725	5,516	3,008	17,581	3,497	8,127	1,492	5,983	2,079	3,294	9,892	2,581	69,775
SKJ	1,133	5,893	8,722	5,723	636	2,062	5,453	10,462	12,961	26,415	50,141	22,214	151,815
FRI	0	595	214	65	114	0	0	0	0	0	222	281	1,491
KAW	0	1,075	1,794	2,953	3,922	9,728	1,018	605	2,289	1,935	508	16,872	42,699
BLT	0	275	360	174	215	0	0	0	0	0	0	20	1,044
LOT	0	0	0	200	0	0	0	0	0	0	0	0	200
BET	0	0	0	0	0	0	0	0	0	0	0	0	0
COM	578	1,643	28	1,837	1,145	1,178	230	0	72	0	0	173	6,884
GUT	0	0	0	0	0	0	50	0	0	0	0	0	50
STS	0	0	0	0	0	0	0	0	0	0	0	0	0
WAH	0	0	0	27	33	126	138	60	65	0	0	190	639
DOT	0	0	360	0	0	0	0	0	0	0	0	0	360
BIP	0	0	0	79	0	0	0	0	0	0	0	0	79
MLS	0	173	0	0	0	0	0	0	0	0	0	0	173
SSP	0	27	0	33	0	0	0	0	0	0	0	0	60
BUM	0	1,369	1,578	1,992	192	968	836	2,490	13,742	2,200	1,458	1,397	28,222
BLM	251	2,122	1,554	986	0	0	1,007	239	0	995	0	0	7,154
SAI	428	2,910	1,112	753	605	1,358	270	112	4,539	741	621	426	13,875
SWO	1,613	929	1,362	1,145	43	779	433	433	961	2,350	1,478	381	11,907
ALO	0	0	0	0	0	87	0	0	0	0	0	0	87
REQ	6,358	20,672	21,000	22,444	1,277	25,760	18,346	15,460	14,518	13,824	59,246	15,038	233,943
HAM	0	1,092	0	0	93	1,205	449	146	231	23	317	1,795	5,351
LAM	0	0	0	0	130	0	533	541	0	0	0	0	1,204
ELA	0	0	130	125	524	72	136	0	878	480	394	1,585	4,324
PEL	0	320	438	2,239	2,416	2,787	841	147	497	23	125	89	9,922
DEM	0	0	350	0	174	2,023	0	0	751	0	0	0	3,298
MAM	0	603	340	83	167	52	73	62	166	0	0	1,250	2,796
TOTAL:	17,086	45,214	42,350	58,439	15,183	56,312	31,305	36,740	53,749	52,280	124,402	64,292	597,352

87/88

	A 87	S 87	O 87	N 87	D 87	J 88	F 88	M 88	A 88	M 88	J 88	J 88	TOTAL
EFFORT	202	362	669	484	429	458	182	299	225	202	470	700	4,682
CATCH BY SPECIES													
YFT	21,067	16,825	23,328	45,589	35,202	41,048	6,836	3,772	0	3,917	8,504	35,180	241,268
SKJ	1,807	10,464	19,451	8,978	2,977	7,071	6,196	17,462	11,805	5,507	56,673	57,073	205,464
FRI	0	10	0	0	166	0	0	0	0	787	962	542	2,467
KAW	3,088	8,540	5,602	3,041	1,109	1,452	2,025	1,589	3,621	0	1,365	876	32,308
BLT	0	13	126	318	0	0	0	0	0	0	1,156	612	2,225
LOT	0	4,179	5,335	0	700	0	0	0	0	0	0	0	10,214
BET	0	0	0	0	0	0	0	158	0	0	0	0	158
COM	371	562	12,621	0	0	487	792	111	306	0	0	403	15,653
GUT	0	0	0	0	0	0	8	0	0	0	0	0	8
STS	0	0	0	0	0	0	0	0	0	0	0	0	0
WAH	0	30	0	57	35	25	38	0	0	0	0	0	185
DOT	0	0	0	0	0	0	0	0	0	0	0	0	0
BIP	0	0	0	0	0	0	0	0	0	0	0	0	0
MLS	0	0	0	0	0	0	0	0	0	0	0	0	0
SSP	0	0	0	0	0	0	0	0	0	0	0	0	0
BUM	0	1,029	8,733	14,064	6,591	1,864	0	1,698	600	0	0	139	34,718
BLM	0	202	1,083	0	1,027	458	0	0	0	278	0	556	3,604
SAI	0	665	1,959	1,341	2,291	270	873	597	285	0	167	940	9,388
SWO	1,235	765	920	643	446	707	116	669	60	250	667	1,501	7,979
ALO	3,510	0	0	0	0	0	0	0	0	0	167	0	3,677
REQ	39,910	35,529	58,836	43,153	18,572	22,063	19,875	43,952	10,890	15,234	44,911	49,289	402,214
HAM	2,178	1,903	7,739	0	1,380	475	0	708	0	375	3,784	3,600	22,342
LAM	0	108	1,734	0	0	0	0	0	0	0	0	0	1,842
ELA	0	433	2,003	594	1,055	3,245	1,254	0	0	0	973	904	10,461
PEL	130	323	0	115	443	254	53	991	870	97	8	56	3,340
DEM	0	81	1,113	0	0	62	1,406	195	0	28	0	403	3,288
MAM	0	491	2,894	2,509	1,054	1,165	0	0	0	0	3	389	8,505
TOTAL:	73,296	82,152	153,477	120,402	73,248	80,646	39,472	71,902	28,437	26,473	119,340	152,463	1,021,308

2.14 3 sites combined • All boats combined

Unit of effort: Fishing days

Unit of catch : Kg

86/87

	A 86	S 86	O 86	N 86	D 86	J 87	F 87	M 87	A 87	M 87	J 87	J 87	TOTAL
EFFORT	7,772	6,841	5,887	4,216	5,226	5,934	4,531	4,920	6,029	5,982	4,131	9,620	71,089
CATCH BY SPECIES													
YFT	607,234	314,953	202,262	172,686	236,252	194,774	115,083	73,251	72,539	84,583	73,227	469,650	2,616,494
SKJ	142,588	163,005	246,332	89,350	34,620	87,734	63,984	162,452	284,618	338,644	254,334	474,533	2,342,194
FRI	135,813	174,110	34,305	11,940	5,198	1,924	1,045	883	8,544	5,338	18,703	23,946	421,749
KAW	135,164	207,474	68,655	64,298	16,846	12,593	8,370	10,281	24,097	22,813	51,209	59,660	681,460
BLT	10,558	17,412	4,971	14,453	225	45	245	0	22	1,520	945	11,145	61,541
LOT	38	1,240	317	504	208	0	0	163	0	0	88	49	2,607
BET	0	1,221	0	6	0	0	0	0	0	206	157	0	1,590
COM	26,152	33,711	10,960	6,851	5,043	2,261	2,904	2,227	3,090	1,268	2,044	68,911	165,422
GUT	51	0	0	0	0	0	357	310	40	49	18	0	825
STS	0	16	0	5	4	2	0	0	0	0	0	0	27
WAH	693	1,031	4,317	778	1,240	3,537	2,176	3,844	5,109	4,219	1,855	6,819	35,618
DOT	0	265	1,101	0	2,996	4,685	2,002	6,155	1,627	1,705	0	0	20,536
BIP	26	94	301	90	0	0	0	60	0	17	9	61	658
MLS	1,042	6,318	2,965	1,911	920	3,001	3,153	852	1,919	2,603	0	1,640	26,324
SSP	0	538	274	33	29	0	145	0	0	0	0	78	1,097
BUM	15,988	20,149	29,503	24,018	26,378	32,570	15,012	29,424	50,038	64,582	20,329	74,230	402,221
BLM	33,149	36,827	24,257	27,268	14,758	32,920	46,815	19,568	31,813	30,872	4,059	22,379	324,685
SAI	37,213	26,554	23,219	14,234	7,161	17,558	6,276	11,852	37,998	32,323	14,508	38,668	267,564
SWO	39,985	12,869	16,443	14,231	15,366	33,797	19,731	24,008	30,308	17,819	7,714	24,422	256,693
ALO	0	1,194	492	0	0	87	0	0	0	0	0	439	2,212
REQ	73,036	107,901	71,997	64,872	19,213	191,939	105,884	117,017	137,257	171,643	177,083	156,614	1,394,456
HAM	0	1,592	0	0	1,471	17,744	3,576	6,229	14,061	14,833	7,138	18,298	84,942
LAM	0	0	0	0	1,136	2,691	2,608	759	192	35	397	553	8,371
ELA	3,011	768	5,883	3,370	2,508	6,790	5,111	3,153	6,207	16,621	7,047	19,843	80,312
PEL	1,405	22,095	22,552	14,361	19,966	27,779	28,821	21,216	21,285	9,653	6,479	16,461	212,073
DEM	0	506	2,895	49	2,035	8,048	1,326	1,673	1,065	347	780	29	18,753
MAM	3,746	6,776	6,920	4,463	7,783	14,156	8,506	5,433	7,939	8,455	3,107	16,438	93,722
TOTAL:	1,266,892	1,158,619	780,921	529,771	421,356	696,635	443,130	500,810	739,768	830,148	651,230	1,504,866	9,524,146

87/88

	A 87	S 87	O 87	N 87	D 87	J 88	F 88	M 88	A 88	M 88	J 88	J 88	TOTAL
EFFORT	7,693	5,619	7,434	6,780	7,250	6,999	5,141	5,106	4,080	2,441	4,335	4,961	67,839
CATCH BY SPECIES													
YFT	217,723	141,194	177,936	365,270	307,472	231,107	131,647	105,426	69,976	24,605	42,509	289,418	2,104,283
SKJ	215,039	123,969	230,429	147,585	46,583	61,950	130,401	128,837	160,386	97,285	318,863	427,438	2,088,765
FRI	6,661	6,750	7,844	655	2,920	806	753	234	117	2,552	10,316	1,225	40,833
KAW	44,376	37,592	23,622	9,508	10,978	33,571	27,187	6,145	14,464	3,178	12,798	8,202	231,621
BLT	1,916	1,205	1,635	650	0	0	0	229	0	524	1,764	698	8,621
LOT	33	4,179	5,335	0	743	0	0	0	9	53	0	153	10,505
BET	0	0	319	225	506	0	1,105	548	532	128	1,007	0	4,370
COM	19,321	24,813	29,231	1,756	5,133	4,177	4,439	4,595	5,445	971	801	3,754	104,436
GUT	139	327	142	0	355	461	306	170	99	46	0	0	2,045
STS	0	119	0	0	0	1,144	10	71	48	20	0	0	1,412
WAH	2,764	3,212	2,910	1,896	1,868	497	831	264	499	394	93	325	15,553
DOT	57	0	3,078	0	3,436	1,164	2,181	470	0	0	0	0	10,386
BIP	70	47	0	0	0	0	0	0	0	0	0	0	117
MLS	944	652	0	0	0	0	640	1,425	0	1,753	0	432	5,846
SSP	0	0	0	0	0	0	0	0	0	0	0	0	0
BUM	51,567	30,101	82,552	115,293	27,838	87,370	13,681	234,061	20,931	6,250	18,620	5,729	693,993
BLM	11,493	8,535	11,789	11,631	14,089	4,579	5,014	3,792	1,701	3,416	8,340	3,377	87,756
SAI	29,151	18,396	23,756	25,420	11,580	5,300	11,812	12,276	11,743	5,713	16,567	6,861	178,575
SWO	13,736	8,909	16,164	14,108	6,739	11,408	10,103	7,756	7,858	6,262	4,609	21,659	129,311
ALO	5,476	0	0	0	0	424	1,278	943	165	0	167	0	8,453
REQ	168,366	110,921	141,349	208,644	83,014	215,215	198,354	212,286	150,965	58,628	193,003	130,248	1,870,993
HAM	17,171	12,064	31,753	27,075	14,658	17,631	12,109	8,254	11,348	4,086	6,416	9,480	172,045
LAM	601	3,344	7,256	2,607	298	0	0	0	0	0	0	0	14,106
ELA	5,886	7,799	11,307	9,368	10,284	12,868	8,169	3,170	5,621	6,176	7,544	1,840	90,032
PEL	13,454	13,423	10,578	11,408	8,365	34,084	9,013	9,457	12,792	2,248	1,759	681	127,262
DEM	254	653	2,309	479	915	1,118	2,194	1,459	816	364	259	515	11,335
MAM	6,142	11,937	38,169	22,089	14,257	6,308	8,857	8,293	6,050	3,668	10,045	903	136,718
TOTAL:	832,340	570,141	859,463	975,667	572,031	731,182	580,084	750,161	481,565	228,320	655,480	912,938	8,149,372

SIZE FREQUENCY DISTRIBUTION

3.1 Yellowfin tuna

3.1.1 Kandakuliya

INTERVAL	A 86	S 86	O 86	N 86	D 86	J 87	F 87	M 87	A 87	M 87	J 87	J 87	TOTAL
38 cm:	0	0	0	10	0	29	0	0	0	0	0	0	39
40 cm:	0	29	26	10	0	0	0	0	0	6	0	0	71
42 cm:	0	29	79	10	0	0	0	0	0	0	0	0	118
44 cm:	0	115	105	10	0	0	0	0	0	0	0	0	230
46 cm:	0	173	184	10	46	0	0	0	0	6	0	0	419
48 cm:	0	317	263	61	0	29	0	77	9	0	0	153	909
50 cm:	136	288	632	30	186	58	182	31	0	0	0	612	2,155
52 cm:	0	720	605	30	186	145	638	31	44	18	0	153	2,570
54 cm:	271	547	526	51	186	261	684	15	9	6	0	306	2,862
56 cm:	136	748	553	91	93	261	820	77	9	18	6	688	3,500
58 cm:	543	461	316	40	46	87	319	46	44	30	6	917	2,855
60 cm:	1,628	489	711	61	232	174	456	77	18	24	0	1,300	5,170
62 cm:	4,070	921	421	111	279	203	365	31	9	24	0	1,529	7,963
64 cm:	7,190	1,669	632	131	465	290	456	61	44	36	6	1,147	12,127
66 cm:	10,989	2,590	974	253	279	290	319	184	96	30	18	2,447	18,469
68 cm:	11,667	4,749	1,000	172	465	232	410	169	132	72	42	5,887	24,997
70 cm:	6,105	3,224	1,369	677	604	580	547	246	395	66	42	6,881	20,736
72 cm:	2,713	2,878	1,764	688	790	319	592	200	254	30	30	1,606	11,864
74 cm:	1,357	2,216	3,159	657	836	696	729	261	114	30	30	2,447	12,532
76 cm:	1,899	1,151	3,264	425	883	232	547	246	175	24	30	1,529	10,405
78 cm:	1,357	461	1,764	435	743	290	638	246	298	36	30	3,441	9,739
80 cm:	407	317	1,395	961	836	348	319	61	114	0	12	2,523	7,293
82 cm:	271	144	500	1,031	929	435	684	246	123	0	18	2,523	6,904
84 cm:	0	173	553	546	790	783	729	292	140	0	42	1,758	5,806
86 cm:	0	0	421	344	836	812	456	215	254	18	36	2,523	5,915
88 cm:	0	29	79	91	1,580	928	410	200	158	36	18	1,147	4,676
90 cm:	0	0	158	40	697	638	456	184	70	30	12	535	2,820
92 cm:	0	0	53	0	93	406	182	77	53	6	12	612	1,494
94 cm:	0	0	26	0	46	232	91	77	18	12	0	76	578
96 cm:	0	0	26	0	46	116	365	46	44	6	0	306	955
98 cm:	0	0	26	0	93	0	46	138	26	18	0	0	347
100 cm:	0	0	0	0	0	0	137	15	18	6	0	0	176
102 cm:	0	0	0	0	0	0	0	46	61	6	0	0	113
104 cm:	0	0	0	0	0	0	91	15	35	6	0	0	147
106 cm:	0	0	0	0	0	0	0	15	35	0	0	0	50
108 cm:	0	0	0	0	0	0	46	15	0	6	0	0	67
...	0	0	0	0	0	0	0	0	0	0	0	0	0
134 cm:	0	0	26	0	0	0	0	0	0	0	0	0	26
...	0	0	0	0	0	0	0	0	0	0	0	0	0
144 cm:	0	0	26	0	0	0	0	0	0	0	0	0	26
TOTAL:	50,739	24,438	21,636	6,976	12,265	8,874	11,714	3,640	2,799	606	390	43,046	187,123
RAISED CATCH FROM WHICH SAMPLES WERE TAKEN: (Kg)	260,972	136,145	140,839	53,387	100,371	73,810	83,714	30,788	23,890	4,398	3,128	304,753	1,216,195
NUMBER OF FISH MEASURED:	374	849	822	690	264	306	257	237	319	101	65	563	4,847
WEIGHT OF FISH MEASURED: (Kg)	1,925	4,730	5,343	5,280	2,158	2,544	1,834	2,005	2,723	735	519	3,986	33,782

INTERVAL	A 87	S 87	O 87	N 87	D 87	J 88	F 88	M 88	A 88	M 88	J 88	J 88	TOTAL
34 cm:	0	0	0	0	0	0	0	0	0	9	0	0	9
36 cm:	0	0	0	0	0	0	44	0	0	0	0	0	44
38 cm:	0	0	21	0	0	0	0	0	0	0	0	0	21
40 cm:	0	32	0	0	0	0	0	0	13	0	0	0	45
42 cm:	40	0	43	49	0	0	133	0	0	0	0	0	265
44 cm:	40	0	0	49	0	28	0	0	0	0	0	0	117
46 cm:	0	0	0	196	46	28	44	0	0	0	0	0	314
48 cm:	119	130	64	246	138	138	133	0	0	0	0	0	968
50 cm:	0	194	21	98	0	0	0	21	13	0	0	0	347
52 cm:	0	32	0	147	138	83	354	0	26	0	8	275	1,063
54 cm:	358	259	21	786	322	138	310	62	13	0	15	275	2,559
56 cm:	279	324	192	982	920	387	619	83	39	26	54	1,008	4,913
58 cm:	1,115	486	234	1,916	506	442	884	227	65	9	39	1,191	7,114
60 cm:	398	259	106	1,424	138	166	531	41	52	0	54	1,649	4,818
62 cm:	1,075	453	255	982	598	332	708	372	144	61	46	1,375	6,401
64 cm:	876	324	213	982	644	221	619	165	170	53	31	1,558	5,856
66 cm:	1,553	713	490	2,456	1,564	608	884	496	209	26	124	3,116	12,239
68 cm:	2,151	615	234	1,768	1,242	719	884	351	196	88	70	2,749	11,067
70 cm:	2,709	1,134	766	1,277	1,334	387	531	517	274	35	77	2,566	11,607
72 cm:	757	389	532	393	1,242	470	486	207	300	18	39	1,100	5,933
74 cm:	1,275	291	149	393	1,104	276	442	289	130	9	39	1,100	5,497
76 cm:	836	324	255	393	782	442	133	207	91	26	15	1,833	5,337
78 cm:	836	583	170	98	920	249	44	103	13	18	0	1,008	4,042
80 cm:	1,115	810	21	393	368	138	44	0	26	0	0	641	3,556
82 cm:	637	810	21	639	736	359	310	83	78	18	23	1,466	5,180
84 cm:	637	130	64	344	736	359	265	103	65	0	15	1,100	3,818
86 cm:	757	615	106	491	874	442	619	124	104	18	70	1,466	5,686
88 cm:	478	551	64	295	92	111	398	41	52	0	31	825	2,938
90 cm:	239	130	43	196	322	111	133	83	26	9	15	550	1,857
92 cm:	119	32	85	0	138	111	265	21	0	9	0	0	780
94 cm:	80	65	43	0	46	83	221	62	0	0	8	92	700
96 cm:	40	0	21	0	92	28	88	145	52	9	8	0	483
98 cm:	40	65	0	0	0	28	88	41	0	0	0	0	262
100 cm:	0	0	21	0	0	0	0	0	0	0	0	0	21
102 cm:	0	0	0	0	0	0	88	0	0	0	0	0	88
104 cm:	0	0	0	0	0	0	133	41	0	0	0	0	174
106 cm:	0	0	0	0	0	0	133	0	0	0	0	0	133
108 cm:	0	0	0	0	0	0	0	62	0	9	0	0	71
110 cm:	0	0	0	0	46	0	0	0	0	0	0	0	46
112 cm:	0	0	0	0	0	0	0	83	0	9	0	0	92
114 cm:	0	0	0	0	0	0	0	21	0	0	0	0	21
116 cm:	0	0	0	0	0	0	0	0	0	0	0	0	0
118 cm:	0	32	0	0	0	0	0	41	0	0	0	0	73
120 cm:	0	0	0	0	0	0	0	0	0	9	0	0	9
122 cm:	0	0	0	0	0	0	0	0	0	0	0	0	0
124 cm:	0	0	0	0	0	0	0	0	0	9	0	0	9
126 cm:	0	0	0	0	0	0	0	62	0	9	0	0	71
128 cm:	0	0	0	0	0	0	0	62	0	0	0	0	62
130 cm:	0	0	0	0	0	0	0	0	0	0	0	0	0
132 cm:	0	0	0	0	0	0	0	0	26	0	0	0	26
134 cm:	0	0	0	0	0	0	0	41	0	0	0	0	41
136 cm:	0	0	0	0	0	0	0	0	13	0	0	0	13
138 cm:	0	0	0	0	0	0	0	0	13	0	0	0	13
140 cm:	0	0	0	0	0	0	0	41	0	0	0	0	41
TOTAL:	18,559	9,782	4,255	16,993	15,088	6,884	10,568	4,298	2,203	486	781	26,943	116,840
RAISED CATCH FROM WHICH SAMPLES WERE TAKEN: (Kg)	122,848	69,171	26,034	92,435	100,996	47,487	66,792	39,069	15,931	3,589	4,816	201,865	791,033
NUMBER OF FISH MEASURED:	466	302	200	346	328	249	239	204	169	54	101	294	2,952
WEIGHT OF FISH MEASURED: (Kg)	3,085	2,137	1,221	1,882	2,199	1,578	1,593	1,839	1,241	436	635	1,953	19,799

SIZE FREQUENCY DISTRIBUTION

3.1 Yellowfin tuna

3.1.2 Negombo

INTERVAL	A 86	S 86	O 86	N 86	D 86	J 87	F 87	M 87	A 87	M 87	J 87	J 87	TOTAL
32 cm:	0	0	0	18	0	0	0	0	0	0	0	0	18
34 cm:	0	0	0	0	0	0	0	0	0	0	0	0	0
36 cm:	0	0	0	0	0	0	0	0	0	0	0	0	0
38 cm:	0	0	0	0	0	0	0	0	0	0	0	0	0
40 cm:	69	0	0	18	0	0	0	0	0	0	0	0	87
42 cm:	69	45	28	18	0	0	0	0	0	0	20	0	180
44 cm:	35	45	28	0	0	0	0	0	0	0	0	0	108
46 cm:	104	135	42	124	0	0	0	0	6	0	20	25	456
48 cm:	138	316	113	89	8	10	20	7	13	0	0	123	837
50 cm:	35	135	169	213	17	20	20	34	84	53	179	123	1,082
52 cm:	0	271	240	443	25	92	24	68	154	332	438	270	2,357
54 cm:	311	316	127	283	8	71	20	41	96	358	597	417	2,645
56 cm:	242	542	197	230	33	153	29	61	77	239	776	908	3,487
58 cm:	450	271	183	195	25	143	10	20	64	119	697	859	3,036
60 cm:	1,141	587	353	213	8	82	24	14	45	80	597	712	3,856
62 cm:	2,628	1,896	310	514	25	82	34	14	32	133	517	1,178	7,363
64 cm:	4,184	2,663	254	372	50	102	10	20	19	159	458	1,006	9,297
66 cm:	6,293	4,514	254	514	33	71	20	34	19	93	438	883	13,166
68 cm:	9,855	6,591	367	779	50	61	15	20	0	40	318	663	18,759
70 cm:	5,671	9,028	367	602	83	102	29	14	26	27	318	638	16,905
72 cm:	3,250	3,837	606	478	58	61	24	14	26	93	100	859	9,406
74 cm:	1,694	813	395	301	66	82	20	14	26	13	60	589	4,073
76 cm:	1,521	722	409	514	33	102	24	20	0	27	100	466	3,938
78 cm:	3,181	542	226	531	41	112	15	7	6	53	80	564	5,358
80 cm:	1,833	135	183	673	41	235	10	14	13	27	20	270	3,454
82 cm:	1,798	0	212	762	33	153	10	20	6	13	20	196	3,223
84 cm:	346	226	127	496	100	296	10	14	6	13	0	123	1,757
86 cm:	484	135	155	390	199	276	20	14	13	0	40	98	1,824
88 cm:	35	0	127	53	100	296	15	27	0	0	0	123	776
90 cm:	0	0	28	35	66	255	15	34	6	40	20	49	548
92 cm:	0	0	14	0	33	102	34	54	39	27	60	0	363
94 cm:	0	45	0	18	8	71	39	88	13	40	0	25	347
96 cm:	0	0	0	0	8	82	24	48	58	53	0	49	322
98 cm:	0	0	0	0	0	10	10	68	39	53	40	49	269
100 cm:	35	0	0	0	8	10	0	75	96	40	40	25	329
102 cm:	0	45	0	0	0	20	0	34	71	40	40	74	324
104 cm:	0	0	0	0	0	0	0	7	26	106	0	74	213
106 cm:	0	0	0	0	17	10	5	14	13	53	0	123	235
108 cm:	35	0	0	0	0	10	0	0	6	80	40	49	220
110 cm:	0	0	0	0	0	0	0	0	6	13	20	74	113
112 cm:	0	45	0	18	8	20	0	7	6	0	20	49	173
114 cm:	35	45	0	0	0	0	0	0	0	0	0	49	129
116 cm:	0	0	14	0	0	0	10	20	6	13	0	25	88
118 cm:	35	0	14	18	0	10	0	7	13	0	0	25	122
120 cm:	35	45	14	0	8	0	0	14	0	0	0	0	116
122 cm:	35	0	14	18	8	31	10	0	13	27	0	49	205
124 cm:	35	0	28	35	0	20	10	7	19	27	20	0	201
126 cm:	0	0	0	18	25	20	10	48	19	40	60	0	240
128 cm:	0	0	14	0	0	10	24	7	6	0	40	0	101
130 cm:	0	0	14	0	8	20	15	27	19	40	40	0	183
132 cm:	0	0	0	18	8	10	29	27	19	13	20	0	144
134 cm:	35	0	0	0	8	0	5	34	26	0	20	0	128
136 cm:	0	0	0	0	0	0	0	54	0	13	20	0	87
138 cm:	0	0	0	0	8	0	20	20	0	13	20	0	81
140 cm:	0	0	0	0	8	0	15	34	19	27	20	0	123
142 cm:	0	0	0	0	0	0	10	27	0	0	0	0	37
144 cm:	0	0	14	0	0	0	15	14	13	0	20	0	76
146 cm:	0	0	0	0	0	0	0	14	19	0	0	0	33
148 cm:	0	0	0	0	0	0	0	0	0	13	0	0	13
150 cm:	0	0	0	0	0	0	5	0	0	0	0	0	5
152 cm:	0	0	0	0	0	0	0	0	6	0	0	0	6
154 cm:	0	0	0	0	0	0	0	0	0	0	0	0	0
156 cm:	0	0	0	0	0	0	0	0	0	0	0	0	0
158 cm:	0	0	0	0	0	0	0	7	0	0	0	0	7
160 cm:	0	0	0	0	0	0	0	0	0	0	0	0	0
162 cm:	0	0	0	0	0	0	0	0	0	0	0	0	0
164 cm:	0	0	0	0	0	0	0	0	0	0	0	0	0
166 cm:	0	0	0	0	0	0	0	0	0	13	0	0	13
168 cm:	0	0	0	0	0	0	0	0	0	0	0	0	0
170 cm:	0	0	0	0	0	0	0	0	0	0	0	0	0
172 cm:	0	0	0	0	0	0	0	0	0	0	0	0	0
174 cm:	0	0	0	0	0	0	0	0	0	0	0	0	0
176 cm:	0	0	0	0	0	0	0	0	0	0	0	0	0
178 cm:	0	0	0	0	0	0	0	0	6	0	0	0	6
TOTAL:	45,647	33,990	5,640	9,001	1,265	3,313	708	1,281	1,313	2,656	6,353	11,881	123,048

RAISED CATCH FROM WHICH SAMPLES WERE TAKEN: (Kg)

	A 86	S 86	O 86	N 86	D 86	J 87	F 87	M 87	A 87	M 87	J 87	J 87	TOTAL
RAISED CATCH FROM WHICH SAMPLES WERE TAKEN: (Kg)	284,164	161,829	36,213	60,388	12,985	30,623	9,786	22,035	16,322	25,329	39,186	74,599	773,459
NUMBER OF FISH MEASURED:	1,320	640	400	507	152	323	144	187	204	200	318	482	4,877
WEIGHT OF FISH MEASURED: (Kg)	8,218	3,585	2,568	3,409	1,565	2,999	2,003	3,237	2,540	1,908	1,969	3,040	37,041

SIZE FREQUENCY DISTRIBUTION

3.1 Yellowfin tuna

3.1.2 Negombo

INTERVAL	A 87	S 87	O 87	N 87	D 87	J 88	F 88	M 88	A 88	M 88	J 88	J 88	TOTAL
32 cm:	0	0	0	74	0	0	0	0	0	0	0	0	74
34 cm:	0	0	0	0	0	0	0	0	0	0	0	0	0
36 cm:	0	0	0	0	0	0	0	6	0	0	13	0	19
38 cm:	0	0	0	0	0	0	0	0	0	0	0	0	0
40 cm:	30	0	0	0	0	0	0	0	0	0	0	0	30
42 cm:	30	0	0	149	0	0	0	0	0	0	0	23	202
44 cm:	0	41	0	0	0	0	0	0	0	0	0	0	41
46 cm:	0	0	0	297	41	0	0	0	0	0	0	23	361
48 cm:	59	82	0	223	0	0	0	0	0	0	0	68	432
50 cm:	30	41	0	297	41	131	11	6	0	0	25	23	605
52 cm:	178	245	0	0	82	305	74	13	10	51	114	68	1,140
54 cm:	148	408	0	297	285	740	117	44	10	94	280	342	2,765
56 cm:	178	449	152	966	489	1,218	106	25	34	188	611	251	4,667
58 cm:	178	490	253	2,377	448	1,349	202	57	19	210	649	1,027	7,259
60 cm:	474	245	355	1,263	1,100	1,175	277	38	15	80	458	1,689	7,169
62 cm:	444	163	1,014	2,600	1,304	1,349	351	88	5	130	394	1,643	9,485
64 cm:	681	204	608	1,040	1,223	1,479	170	38	19	101	242	1,986	7,791
66 cm:	622	204	710	1,337	1,304	1,479	138	44	15	116	153	844	6,966
68 cm:	1,007	490	1,064	2,229	489	957	202	44	0	159	64	1,118	7,823
70 cm:	948	654	710	1,263	734	522	181	44	24	58	102	890	6,130
72 cm:	1,096	408	912	2,303	937	305	96	69	29	65	140	822	7,182
74 cm:	1,452	490	507	2,229	611	392	32	19	19	7	64	776	6,598
76 cm:	1,392	163	538	1,709	611	218	21	19	0	29	64	205	4,989
78 cm:	1,096	245	1,014	2,526	693	522	21	50	0	0	64	183	6,414
80 cm:	533	82	304	817	1,019	392	43	19	0	22	25	46	3,302
82 cm:	385	41	253	1,263	693	479	11	50	0	7	25	46	3,253
84 cm:	178	163	152	594	815	566	11	13	0	14	25	0	2,531
86 cm:	59	41	203	891	978	392	21	0	5	22	76	0	2,688
88 cm:	0	0	0	594	734	696	11	6	0	7	38	46	2,132
90 cm:	30	0	101	297	285	479	43	6	0	0	25	23	1,289
92 cm:	0	0	0	223	408	566	11	6	5	0	13	0	1,232
94 cm:	0	0	0	149	285	261	32	0	0	14	38	0	779
96 cm:	0	0	51	74	448	348	96	25	0	7	25	0	1,074
98 cm:	0	41	101	74	82	392	53	25	0	7	38	0	813
100 cm:	0	41	0	74	122	174	21	13	10	7	0	0	462
102 cm:	0	0	101	74	41	131	53	44	0	0	51	91	586
104 cm:	0	0	51	0	41	44	32	13	5	0	38	23	247
106 cm:	0	0	51	0	0	87	11	13	0	0	0	0	162
108 cm:	0	82	253	149	0	87	32	25	0	7	13	0	648
110 cm:	30	0	0	0	0	131	21	0	0	0	13	0	195
112 cm:	0	60	0	74	0	164	57	19	10	0	0	0	384
114 cm:	0	82	0	74	41	44	0	0	0	0	0	0	241
116 cm:	0	41	355	149	0	87	85	25	5	0	25	0	772
118 cm:	30	82	101	149	41	131	43	32	15	0	0	0	624
120 cm:	0	123	152	371	0	44	43	25	5	7	0	0	770
122 cm:	0	0	101	223	0	44	21	32	10	7	13	0	451
124 cm:	0	0	203	149	0	87	21	25	10	0	0	23	518
126 cm:	0	0	0	74	41	131	74	25	10	0	13	0	368
128 cm:	0	0	51	149	0	44	11	13	5	29	13	23	338
130 cm:	0	0	101	0	0	44	0	19	5	7	13	23	212
132 cm:	0	0	51	0	0	0	0	6	5	7	13	23	105
134 cm:	0	0	101	0	0	0	0	6	0	0	0	0	107
136 cm:	0	0	51	0	0	44	11	0	5	0	0	0	111
138 cm:	0	0	0	0	0	0	11	6	0	0	0	0	17
140 cm:	0	0	51	0	0	44	0	0	10	0	0	23	128
142 cm:	0	0	0	0	0	0	0	0	0	0	0	0	0
144 cm:	0	0	0	0	0	0	0	6	19	7	0	23	55
146 cm:	0	0	0	0	0	0	0	0	5	0	0	0	5
148 cm:	0	0	0	0	0	0	0	0	5	0	0	0	5
150 cm:	0	0	0	0	0	0	0	0	0	14	13	0	27
152 cm:	0	0	0	0	0	0	0	0	0	0	0	23	23
154 cm:	0	0	0	0	0	0	0	0	0	0	0	0	0
156 cm:	0	0	0	0	0	0	0	0	0	0	0	0	0
158 cm:	0	0	0	0	0	0	0	0	0	0	0	0	0
160 cm:	0	0	0	0	0	0	0	0	0	0	0	0	0
162 cm:	0	0	0	0	0	0	0	0	0	0	0	0	0
164 cm:	0	0	0	0	0	0	0	0	0	0	0	0	0
166 cm:	0	0	0	0	0	44	0	0	0	0	0	0	44
TOTAL:	11,288	5,901	10,796	29,864	16,466	18,318	2,878	1,101	348	1,480	3,983	12,417	114,840
RAISED CATCH FROM WHICH SAMPLES WERE TAKEN: (Kg)													
	74,057	39,951	106,998	220,942	124,907	152,245	26,770	13,838	5,457	10,375	24,375	69,863	869,778
NUMBER OF FISH MEASURED:													
	381	143	213	391	404	417	265	172	69	205	313	544	3,517
WEIGHT OF FISH MEASURED: (Kg)													
	2,500	978	2,111	2,974	3,065	3,499	2,517	2,194	1,124	1,435	1,916	3,061	27,374

SIZE FREQUENCY DISTRIBUTION

3.1 Yellowfin tuna

3.1.3 Beruwala

INTERVAL	A 86	S 86	O 86	N 86	D 86	J 87	F 87	M 87	A 87	M 87	J 87	J 87	TOTAL
30 cm:	0	0	0	0	0	0	0	0	0	8	0	0	8
32 cm:	0	0	0	0	0	0	0	0	0	41	0	0	41
34 cm:	0	0	0	18	0	0	0	0	0	8	0	0	26
36 cm:	0	0	0	27	0	0	0	0	0	0	0	0	27
38 cm:	0	0	25	27	0	0	0	0	14	0	0	0	66
40 cm:	0	0	12	62	0	8	0	0	14	0	0	0	96
42 cm:	0	0	25	107	0	8	0	0	7	0	0	0	147
44 cm:	0	19	37	178	0	16	0	0	0	0	0	0	250
46 cm:	0	39	12	125	0	0	0	0	0	16	0	0	192
48 cm:	0	65	62	62	0	0	0	0	0	16	9	0	214
50 cm:	0	52	62	36	0	8	4	4	14	32	0	0	212
52 cm:	45	65	98	36	15	8	13	29	117	57	27	0	510
54 cm:	113	58	221	36	30	8	4	25	89	73	18	0	675
56 cm:	136	84	295	62	53	16	13	17	34	195	18	115	1,038
58 cm:	339	136	357	62	46	57	8	63	172	713	492	1,730	4,175
60 cm:	610	208	566	142	83	33	8	42	233	454	304	2,422	5,105
62 cm:	814	130	431	89	30	33	46	59	82	657	528	1,401	4,300
64 cm:	994	162	332	116	220	179	59	50	110	389	403	478	3,492
66 cm:	701	175	295	125	106	106	21	29	48	227	304	148	2,285
68 cm:	588	221	172	125	205	147	34	67	82	340	349	0	2,330
70 cm:	362	136	185	240	266	277	38	67	41	65	72	0	1,749
72 cm:	226	84	62	151	99	73	21	42	69	57	18	0	902
74 cm:	68	39	74	205	159	49	17	21	55	32	0	0	719
76 cm:	68	26	123	151	61	98	0	13	14	8	0	0	562
78 cm:	45	19	0	53	61	41	0	0	21	0	0	0	240
80 cm:	45	32	37	44	68	98	0	0	0	8	9	0	341
82 cm:	23	0	25	80	99	114	4	21	14	16	9	0	405
84 cm:	23	13	25	178	243	302	13	21	14	0	0	0	832
86 cm:	45	6	0	169	137	130	4	21	14	32	0	0	558
88 cm:	0	0	0	142	175	220	4	72	69	113	45	49	889
90 cm:	45	13	0	178	205	147	13	17	21	8	18	16	681
92 cm:	90	13	12	80	99	106	13	59	75	57	9	33	646
94 cm:	0	0	12	62	114	82	13	13	48	16	9	16	385
96 cm:	0	19	0	80	76	57	25	25	96	130	36	132	676
98 cm:	23	26	12	44	83	41	29	17	41	81	45	16	458
100 cm:	0	6	0	9	99	49	13	46	82	195	116	330	945
102 cm:	0	19	0	9	61	57	21	25	48	81	81	165	567
104 cm:	23	0	0	27	46	24	13	38	82	65	18	49	385
106 cm:	0	13	0	9	91	33	29	67	123	24	18	99	506
108 cm:	0	0	0	9	83	41	21	13	48	49	18	132	414
110 cm:	45	32	0	53	99	73	25	17	27	49	18	66	504
112 cm:	23	13	12	27	75	57	25	32	7	60	20	10	361
114 cm:	23	6	0	62	61	33	63	76	75	122	54	231	806
116 cm:	136	13	0	36	99	82	29	38	82	113	90	247	965
118 cm:	158	0	37	80	106	122	80	105	130	227	143	362	1,550
120 cm:	45	45	74	133	152	253	72	17	7	41	9	16	864
122 cm:	181	26	12	133	288	155	50	13	21	32	9	49	969
124 cm:	136	32	25	169	334	367	67	25	27	32	9	99	1,322
126 cm:	68	13	37	125	539	432	84	72	89	113	72	231	1,875
128 cm:	45	0	[illegible]	151	296	383	29	4	48	65	27	99	1,172
130 cm:	23	0	37	125	159	122	21	46	48	57	18	198	854
132 cm:	23	6	37	27	281	73	21	8	7	41	18	16	558
134 cm:	23	0	12	36	129	16	25	4	27	32	0	49	353
136 cm:	0	0	0	0	159	8	4	0	7	16	0	16	210
138 cm:	0	6	0	36	46	8	4	0	7	0	0	0	107
140 cm:	0	0	12	27	68	24	0	0	0	8	0	0	139
142 cm:	45	0	0	9	0	0	0	0	0	8	0	0	62
144 cm:	0	0	0	18	15	0	0	0	0	0	0	0	33
146 cm:	0	0	0	0	15	0	0	0	0	0	0	0	15
148 cm:	0	0	0	0	15	16	0	0	0	0	0	0	31
150 cm:	45	0	0	0	0	0	0	0	0	0	0	0	45
152 cm:	0	0	0	0	15	0	0	0	0	0	0	0	15
154 cm:	0	6	0	0	0	0	0	0	0	0	0	0	6
156 cm:	0	0	0	0	0	0	0	0	0	0	0	0	0
158 cm:	0	0	0	0	0	0	0	0	0	0	0	0	0
160 cm:	0	0	0	0	0	0	0	0	0	0	0	0	0
162 cm:	0	0	0	0	0	0	0	0	0	0	0	0	0
164 cm:	0	0	0	0	0	0	0	0	0	0	0	0	0
166 cm:	23	0	0	0	0	0	0	0	0	0	0	0	23
168 cm:	0	0	0	0	0	0	0	0	0	0	0	0	0
170 cm:	23	6	0	0	0	0	0	0	0	0	0	0	29
TOTAL:	6,491	2,082	3,889	4,602	6,064	4,890	1,100	1,440	2,600	5,279	3,460	9,020	50,917
RAISED CATCH FROM WHICH SAMPLES WERE TAKEN: (Kg)													
	62,098	16,979	25,210	58,911	122,896	90,341	21,583	20,428	32,327	54,856	30,913	90,298	626,840
NUMBER OF FISH MEASURED:													
	286	322	315	514	789	593	256	335	378	644	384	547	5,363
WEIGHT OF FISH MEASURED: (Kg)													
	2,748	2,614	2,049	6,637	16,239	11,073	5,118	4,844	4,704	6,767	3,469	5,486	71,748

SIZE FREQUENCY DISTRIBUTION

3.1 Yellowfin tuna

3.1.3 Beruwala

INTERVAL	A 87	S 87	O 87	N 87	D 87	J 88	F 88	M 88	A 88	M 88	J 88	J 88	TOTAL
24 cm:	0	0	0	0	0	0	0	14	0	0	0	0	14
26 cm:	0	0	0	0	0	0	0	41	0	8	0	0	49
28 cm:	0	0	0	0	0	0	0	14	0	17	0	0	31
30 cm:	0	0	0	0	0	0	0	0	0	0	0	0	0
32 cm:	0	0	0	0	0	0	0	14	0	0	0	0	14
34 cm:	0	0	0	0	23	0	0	28	26	0	0	0	77
36 cm:	0	0	0	0	23	0	0	14	26	0	0	0	63
38 cm:	0	0	0	0	34	0	15	14	0	0	0	0	63
40 cm:	0	0	0	0	11	0	123	0	130	0	0	0	264
42 cm:	0	0	0	0	23	0	77	0	130	21	22	8	281
44 cm:	0	0	0	0	0	0	108	0	78	46	43	16	291
46 cm:	0	0	0	0	0	0	15	0	0	58	0	16	89
48 cm:	0	10	0	0	80	7	108	0	0	96	22	24	347
50 cm:	63	0	266	72	80	0	246	0	26	83	22	169	1,027
52 cm:	244	172	686	379	91	41	123	14	26	29	0	97	1,902
54 cm:	202	86	266	144	91	7	92	14	0	46	0	65	1,013
56 cm:	133	77	215	244	171	41	15	14	52	17	0	40	1,019
58 cm:	432	497	297	280	206	83	31	28	52	17	87	32	2,042
60 cm:	363	325	133	280	308	124	0	0	130	21	65	81	1,830
62 cm:	167	335	41	271	171	83	0	14	26	4	238	24	1,374
64 cm:	56	57	10	27	308	69	0	55	0	8	151	32	773
66 cm:	14	38	0	27	57	14	0	28	0	0	65	16	259
68 cm:	7	38	0	9	445	124	0	69	0	8	130	8	838
70 cm:	0	19	0	0	320	138	0	28	0	0	65	8	578
72 cm:	14	0	0	0	206	90	0	41	0	12	22	0	385
74 cm:	0	0	0	9	114	21	0	0	0	0	0	0	144
76 cm:	0	0	0	0	46	14	0	14	0	4	0	0	78
78 cm:	0	0	0	9	46	7	0	0	0	0	0	0	62
80 cm:	0	0	0	0	0	0	0	0	0	0	0	0	0
82 cm:	0	0	0	0	34	0	0	0	0	0	0	0	34
84 cm:	0	0	0	0	34	0	0	0	0	0	0	0	34
86 cm:	7	0	0	0	23	0	0	0	0	0	0	0	30
88 cm:	14	0	0	0	34	0	0	14	0	4	0	8	74
90 cm:	0	0	0	0	46	0	0	0	26	0	0	16	88
92 cm:	14	0	0	0	57	7	31	14	0	4	0	16	143
94 cm:	0	10	0	0	69	14	0	0	52	0	0	8	153
96 cm:	56	19	31	9	57	7	0	14	0	0	0	8	201
98 cm:	14	57	0	0	160	41	46	14	78	8	0	16	434
100 cm:	105	67	61	54	34	28	31	41	0	4	0	0	425
102 cm:	42	67	72	18	103	90	108	0	52	0	22	16	590
104 cm:	7	10	31	9	69	14	15	0	0	4	0	8	167
106 cm:	14	19	20	45	80	28	46	69	52	0	22	16	411
108 cm:	14	19	72	9	148	76	77	41	52	8	43	16	575
110 cm:	49	48	113	9	206	90	92	97	104	17	43	8	876
112 cm:	0	48	50	18	77	14	15	97	52	17	22	16	426
114 cm:	49	67	41	27	126	21	61	83	26	12	22	56	591
116 cm:	49	86	123	81	137	34	46	69	52	17	0	48	742
118 cm:	105	143	246	171	114	41	92	55	26	17	87	73	1,170
120 cm:	14	86	164	135	183	48	77	124	78	58	22	73	1,062
122 cm:	14	29	72	27	297	145	108	97	155	17	43	24	1,028
124 cm:	35	38	153	81	114	41	0	28	52	67	0	73	682
126 cm:	56	182	164	262	228	69	123	235	155	25	0	32	1,531
128 cm:	21	77	20	117	206	62	77	110	311	25	22	32	1,080
130 cm:	14	86	113	171	114	90	108	166	181	8	0	24	1,075
132 cm:	7	0	0	126	57	55	31	83	52	8	0	0	419
134 cm:	0	0	0	153	34	0	31	41	26	0	0	0	285
136 cm:	0	0	0	9	0	7	0	28	52	0	0	0	96
138 cm:	0	0	0	0	0	0	15	41	0	0	0	0	56
140 cm:	0	0	0	0	0	7	61	83	0	0	0	0	151
142 cm:	0	0	0	0	0	0	15	28	26	0	0	0	69
144 cm:	0	0	0	0	0	0	0	28	0	0	0	0	28
146 cm:	0	0	0	0	0	0	0	0	0	0	0	0	0
148 cm:	0	0	0	0	0	0	0	28	0	0	0	0	28
150 cm:	0	0	0	0	0	0	0	0	0	0	0	0	0
152 cm:	0	0	0	0	0	0	0	0	0	0	0	0	0
154 cm:	0	0	0	0	0	0	0	0	0	0	0	0	0
156 cm:	0	0	0	0	0	0	0	0	0	0	0	0	0
158 cm:	0	0	0	0	11	0	0	0	0	0	0	0	11
160 cm:	0	0	0	0	0	0	0	0	0	0	0	0	0
162 cm:	0	0	0	0	0	0	0	0	0	0	0	0	0
164 cm:	0	0	0	0	0	7	0	0	0	0	0	0	7
TOTAL:	2,395	2,812	3,460	3,282	5,706	1,899	2,259	2,186	2,362	815	1,280	1,223	29,679
RAISED CATCH FROM WHICH SAMPLES WERE TAKEN: (Kg)													
	20,818	32,072	44,904	51,893	81,569	31,375	38,085	52,519	48,588	10,641	13,318	17,690	443,472
NUMBER OF FISH MEASURED:													
	343	289	333	362	493	273	146	151	89	192	58	150	2,879
WEIGHT OF FISH MEASURED: (Kg)													
	2,991	3,345	4,396	5,737	7,141	4,511	2,419	3,730	1,823	2,318	603	2,080	41,094

SIZE FREQUENCY DISTRIBUTION

3.1 Yellowfin tuna

3.1.4 3 sites combined

INTERVAL	A 86	S 86	O 86	N 86	D 86	J 87	F 87	M 87	A 87	M 87	J 87	J 87	TOTAL
30 cm:	0	0	0	0	0	0	0	0	0	8	0	0	8
32 cm:	0	0	0	18	0	0	0	0	0	41	0	0	59
34 cm:	0	0	0	18	0	0	0	0	0	8	0	0	26
36 cm:	0	0	0	27	0	0	0	0	0	0	0	0	27
38 cm:	0	0	25	37	0	29	0	0	14	0	0	0	105
40 cm:	69	29	38	90	0	8	0	0	14	6	0	0	254
42 cm:	69	74	132	135	0	8	0	0	7	0	20	0	445
44 cm:	35	179	170	188	0	16	0	0	0	0	0	0	588
46 cm:	104	347	238	259	46	0	0	0	6	22	20	25	1,067
48 cm:	138	698	438	212	8	39	20	84	22	16	9	276	1,960
50 cm:	171	475	863	279	203	86	206	69	98	85	179	735	3,449
52 cm:	45	1,056	943	509	226	245	675	128	315	407	465	423	5,437
54 cm:	695	921	874	370	224	340	708	81	194	437	615	723	6,182
56 cm:	514	1,374	1,045	383	179	430	862	155	120	452	800	1,711	8,025
58 cm:	1,332	868	856	297	117	287	337	129	280	862	1,195	3,506	10,066
60 cm:	3,379	1,284	1,630	416	323	289	488	133	296	558	901	4,434	14,131
62 cm:	7,512	2,947	1,162	714	334	318	445	104	123	814	1,045	4,108	19,626
64 cm:	12,368	4,494	1,218	619	735	571	525	131	173	584	867	2,631	24,916
66 cm:	17,983	7,279	1,523	892	418	467	360	247	163	350	760	3,478	33,920
68 cm:	22,110	11,561	1,539	1,076	720	440	459	256	214	452	709	6,550	46,086
70 cm:	12,138	12,388	1,921	1,519	953	959	614	327	462	158	432	7,519	39,390
72 cm:	6,189	6,799	2,432	1,317	947	453	637	256	349	180	148	2,465	22,172
74 cm:	3,119	3,068	3,628	1,163	1,061	827	766	296	195	75	90	3,036	17,324
76 cm:	3,488	1,899	3,796	1,090	977	432	571	279	189	59	130	1,995	14,905
78 cm:	4,583	1,022	1,990	1,019	845	443	653	253	325	89	110	4,005	15,337
80 cm:	2,285	484	1,615	1,678	945	681	329	75	127	35	41	2,793	11,088
82 cm:	2,092	144	737	1,873	1,061	702	698	287	143	29	47	2,719	10,532
84 cm:	369	412	705	1,220	1,133	1,381	752	327	160	13	42	1,881	8,395
86 cm:	529	141	576	903	1,172	1,218	480	250	281	50	76	2,621	8,297
88 cm:	35	29	206	286	1,855	1,444	429	299	227	149	63	1,319	6,341
90 cm:	45	13	186	253	968	1,040	484	235	97	78	50	600	4,049
92 cm:	90	13	79	80	225	614	229	190	167	90	81	645	2,503
94 cm:	0	45	38	80	168	385	143	178	79	68	9	117	1,310
96 cm:	0	19	26	80	130	255	414	119	198	189	36	487	1,953
98 cm:	23	26	38	44	176	51	85	223	106	152	85	65	1,074
100 cm:	35	6	0	9	107	59	150	136	196	241	156	355	1,450
102 cm:	0	64	0	9	61	77	21	105	180	127	121	239	1,004
104 cm:	23	0	0	27	46	24	104	60	143	177	18	123	745
106 cm:	0	13	0	9	108	43	34	96	171	77	18	222	791
108 cm:	35	0	0	9	83	51	67	28	54	135	58	181	701
110 cm:	45	32	0	53	99	73	25	17	33	62	38	140	617
112 cm:	23	58	12	45	69	53	63	83	81	122	74	280	963
114 cm:	58	51	0	62	61	33	63	76	75	122	54	280	935
116 cm:	136	13	14	36	99	82	39	58	88	126	90	272	1,053
118 cm:	193	0	51	98	106	132	80	112	143	227	143	387	1,672
120 cm:	80	90	88	133	160	253	72	31	7	41	9	16	980
122 cm:	216	26	26	151	296	186	60	13	34	59	9	98	1,174
124 cm:	171	32	53	204	334	387	77	32	46	59	29	99	1,523
126 cm:	68	13	37	143	564	452	94	120	108	153	132	231	2,115
128 cm:	45	0	39	151	296	393	53	11	54	65	67	99	1,273
130 cm:	23	0	51	125	167	142	36	73	67	97	58	198	1,037
132 cm:	23	6	37	45	289	83	50	35	26	54	38	16	702
134 cm:	58	0	38	36	137	16	30	38	53	32	20	49	507
136 cm:	0	0	0	0	159	8	4	54	7	29	20	16	297
138 cm:	0	6	0	36	54	8	24	20	7	13	20	0	188
140 cm:	0	0	12	27	76	24	15	34	19	35	20	0	262
142 cm:	45	0	0	9	0	0	10	27	0	8	0	0	99
144 cm:	0	0	40	18	15	0	15	14	13	0	20	0	135
146 cm:	0	0	0	0	15	0	0	14	19	0	0	0	48
148 cm:	0	0	0	0	15	16	0	0	0	13	0	0	44
150 cm:	45	0	0	0	0	0	5	0	0	0	0	0	50
152 cm:	0	0	0	0	15	0	0	0	6	0	0	0	21
154 cm:	0	6	0	0	0	0	0	0	0	0	0	0	6
156 cm:	0	0	0	0	0	0	0	0	0	0	0	0	0
158 cm:	0	0	0	0	0	0	0	7	0	0	0	0	7
160 cm:	0	0	0	0	0	0	0	0	0	0	0	0	0
162 cm:	0	0	0	0	0	0	0	0	0	0	0	0	0
164 cm:	0	0	0	0	0	0	0	0	0	0	0	0	0
166 cm:	23	0	0	0	0	0	0	0	0	13	0	0	36
168 cm:	0	0	0	0	0	0	0	0	0	0	0	0	0
170 cm:	23	6	0	0	0	0	0	0	0	0	0	0	29
172 cm:	0	0	0	0	0	0	0	0	0	0	0	0	0
174 cm:	0	0	0	0	0	0	0	0	0	0	0	0	0
176 cm:	0	0	0	0	0	0	0	0	0	0	0	0	0
178 cm:	0	0	0	0	0	0	0	0	6	0	0	0	6
TOTAL:	102,877	60,510	31,165	20,579	19,580	17,053	13,560	6,405	6,780	8,603	10,237	64,168	361,517
RAISED CATCH FROM WHICH SAMPLES WERE TAKEN: (Kg)													
	607,234	314,953	202,262	172,686	236,252	194,774	115,083	73,251	72,539	84,583	73,227	469,650	2,616,494
NUMBER OF FISH MEASURED:													
	1,980	1,811	1,537	1,711	1,205	1,222	657	759	901	945	767	1,592	15,087
WEIGHT OF FISH MEASURED: (Kg)													
	12,891	10,929	9,960	15,326	19,962	16,616	8,955	10,086	9,967	9,410	5,957	12,512	142,571

SIZE FREQUENCY DISTRIBUTION

3.1 Yellowfin tuna

3.1.4 3 sites combined

INTERVAL	A 87	S 87	O 87	N 87	D 87	J 88	F 88	M 88	A 88	M 88	J 88	J 88	TOTAL
24 cm:	0	0	0	0	0	0	0	14	0	0	0	0	14
26 cm:	0	0	0	0	0	0	0	41	0	8	0	0	49
28 cm:	0	0	0	0	0	0	0	14	0	17	0	0	31
30 cm:	0	0	0	0	0	0	0	0	0	0	0	0	0
32 cm:	0	0	0	74	0	0	0	14	0	0	0	0	88
34 cm:	0	0	0	0	23	0	0	28	26	9	0	0	86
36 cm:	0	0	0	0	23	0	44	20	26	0	13	0	126
38 cm:	0	0	21	0	34	0	15	14	0	0	0	0	84
40 cm:	30	32	0	0	11	0	123	0	143	0	0	0	339
42 cm:	70	0	43	198	23	0	210	0	130	21	22	31	748
44 cm:	40	41	0	49	0	28	108	0	78	46	43	16	449
46 cm:	0	0	0	493	87	28	59	0	0	58	0	39	764
48 cm:	178	222	64	469	218	145	241	0	0	96	22	92	1,747
50 cm:	93	235	287	467	121	131	257	27	39	83	47	192	1,979
52 cm:	422	449	686	526	311	429	551	27	62	80	122	440	4,105
54 cm:	708	753	287	1,227	698	885	519	120	23	140	295	682	6,337
56 cm:	590	850	559	2,192	1,580	1,646	740	122	125	231	665	1,299	10,599
58 cm:	1,725	1,473	784	4,573	1,160	1,874	1,117	312	136	236	775	2,250	16,415
60 cm:	1,235	829	594	2,967	1,546	1,465	808	79	197	101	577	3,419	13,817
62 cm:	1,686	951	1,310	3,853	2,073	1,764	1,059	474	175	195	678	3,042	17,260
64 cm:	1,613	585	831	2,049	2,175	1,769	789	258	189	162	424	3,576	14,420
66 cm:	2,189	955	1,200	3,820	2,925	2,101	1,022	568	224	142	342	3,976	19,464
68 cm:	3,165	1,143	1,298	4,006	2,176	1,800	1,086	464	196	255	264	3,875	19,728
70 cm:	3,657	1,807	1,476	2,540	2,388	1,047	712	589	298	93	244	3,464	18,315
72 cm:	1,867	797	1,444	2,696	2,385	865	582	317	329	95	201	1,922	13,500
74 cm:	2,727	781	656	2,631	1,829	689	474	308	149	16	103	1,876	12,239
76 cm:	2,228	487	813	2,102	1,439	674	154	240	91	59	79	2,038	10,404
78 cm:	1,932	828	1,184	2,633	1,659	778	65	153	13	18	64	1,191	10,518
80 cm:	1,648	892	325	1,210	1,387	530	87	19	26	22	25	687	6,858
82 cm:	1,022	851	274	1,902	1,463	838	321	133	78	25	48	1,512	8,467
84 cm:	815	293	216	938	1,585	925	276	116	65	14	40	1,100	6,383
86 cm:	823	656	309	1,382	1,875	834	640	124	109	40	146	1,466	8,404
88 cm:	492	551	64	889	860	807	409	61	52	11	69	879	5,144
90 cm:	269	130	144	493	653	590	176	89	52	9	40	589	3,234
92 cm:	133	32	85	223	603	684	307	41	5	13	13	16	2,155
94 cm:	80	75	43	149	400	358	253	62	52	14	46	100	1,632
96 cm:	96	19	103	83	597	383	184	184	52	16	33	8	1,758
98 cm:	54	163	101	74	242	461	187	80	78	15	38	16	1,509
100 cm:	105	108	82	128	156	202	52	54	10	11	0	0	908
102 cm:	42	67	173	92	144	221	249	44	52	0	73	107	1,264
104 cm:	7	10	82	9	110	58	180	54	5	4	38	31	588
106 cm:	14	19	71	45	80	115	190	82	52	0	22	16	706
108 cm:	14	101	325	158	148	163	109	128	52	24	56	16	1,294
110 cm:	79	48	113	9	252	221	113	97	104	17	56	8	1,117
112 cm:	0	108	50	92	118	178	72	199	62	26	22	16	943
114 cm:	49	149	41	101	167	65	61	104	26	12	22	56	853
116 cm:	49	127	478	230	137	121	131	94	57	17	25	48	1,514
118 cm:	135	257	347	320	155	172	135	128	41	17	87	73	1,867
120 cm:	14	209	316	506	183	92	120	149	83	74	22	73	1,841
122 cm:	14	29	173	250	297	189	129	129	165	24	56	24	1,479
124 cm:	35	38	356	230	114	128	21	53	62	76	0	96	1,209
126 cm:	56	182	164	336	269	200	197	322	165	34	13	32	1,970
128 cm:	21	77	71	266	206	106	88	185	316	54	35	55	1,480
130 cm:	14	86	214	171	114	134	108	185	186	15	13	47	1,287
132 cm:	7	0	51	126	57	55	31	89	83	15	13	23	550
134 cm:	0	0	101	153	34	0	31	88	26	0	0	0	433
136 cm:	0	0	51	9	0	51	11	28	70	0	0	0	220
138 cm:	0	0	0	0	0	0	26	47	13	0	0	0	86
140 cm:	0	0	51	0	0	51	61	124	10	0	0	23	320
142 cm:	0	0	0	0	0	0	15	28	26	0	0	0	69
144 cm:	0	0	0	0	0	0	0	34	19	7	0	23	83
146 cm:	0	0	0	0	0	0	0	0	5	0	0	0	5
148 cm:	0	0	0	0	0	0	0	28	5	0	0	0	33
150 cm:	0	0	0	0	0	0	0	0	0	14	13	0	27
152 cm:	0	0	0	0	0	0	0	0	0	0	0	23	23
154 cm:	0	0	0	0	0	0	0	0	0	0	0	0	0
156 cm:	0	0	0	0	0	0	0	0	0	0	0	0	0
158 cm:	0	0	0	0	11	0	0	0	0	0	0	0	11
160 cm:	0	0	0	0	0	0	0	0	0	0	0	0	0
162 cm:	0	0	0	0	0	0	0	0	0	0	0	0	0
164 cm:	0	0	0	0	0	7	0	0	0	0	0	0	7
166 cm:	0	0	0	0	0	44	0	0	0	0	0	0	44
TOTAL:	32,242	18,495	18,511	50,139	37,301	27,101	15,705	7,585	4,913	2,781	6,044	40,583	261,400
RAISED CATCH FROM WHICH SAMPLES WERE TAKEN: (Kg)													
	217,723	141,194	177,936	365,270	307,472	231,107	131,647	105,426	69,976	24,605	42,509	289,418	2,104,283
NUMBER OF FISH MEASURED:													
	1,190	734	746	1,099	1,225	939	650	527	327	451	472	988	9,348
WEIGHT OF FISH MEASURED: (Kg)													
	8,576	6,460	7,728	10,593	12,405	9,588	6,529	7,763	4,188	4,189	3,154	7,094	88,267

3.2 Skipjack tuna

3.2.1 Kandakuliya

INTERVAL	A 86	S 86	O 86	N 86	D 86	J 87	F 87	M 87	A 87	M 87	J 87	J 87	TOTAL
30 cm:	0	0	0	0	0	0	0	0	0	28	0	0	28
31 cm:	0	0	0	0	0	0	0	0	0	14	0	0	14
32 cm:	0	0	33	0	0	0	0	0	0	0	0	0	33
33 cm:	0	31	33	0	0	0	0	0	0	0	0	0	64
34 cm:	0	0	65	0	40	0	0	0	0	28	0	0	133
35 cm:	0	31	33	17	40	0	0	0	0	14	0	0	135
36 cm:	0	0	293	34	79	0	0	0	0	42	0	80	528
37 cm:	0	124	326	42	119	0	0	0	0	42	0	0	653
38 cm:	92	93	521	25	159	0	0	0	0	111	0	159	1,160
39 cm:	92	248	391	51	119	20	24	0	17	181	0	239	1,382
40 cm:	0	217	717	42	159	161	49	22	17	264	0	1,196	2,844
41 cm:	0	62	489	34	40	20	49	0	50	278	0	877	1,899
42 cm:	0	155	326	59	40	0	24	22	33	84	0	877	1,620
43 cm:	0	155	130	51	159	20	0	44	167	97	0	638	1,461
44 cm:	92	217	423	51	357	60	73	22	150	167	78	797	2,487
45 cm:	92	404	651	101	198	40	49	0	33	70	20	399	2,057
46 cm:	92	621	326	118	317	20	0	0	217	42	39	717	2,509
47 cm:	184	341	651	93	317	60	24	22	233	195	156	1,355	3,631
48 cm:	92	341	717	126	238	0	49	22	67	111	20	1,036	2,819
49 cm:	0	559	521	67	238	0	98	88	117	97	0	956	2,741
50 cm:	0	248	619	211	317	40	49	88	534	599	0	3,268	5,973
51 cm:	277	217	326	135	159	121	24	66	534	696	98	3,507	6,160
52 cm:	92	217	521	42	159	80	49	88	484	195	0	1,913	3,840
53 cm:	184	776	586	286	754	141	219	88	634	599	39	3,507	7,813
54 cm:	369	310	358	67	476	40	341	352	634	766	215	5,101	9,029
55 cm:	738	714	489	118	317	40	195	66	133	111	0	877	3,798
56 cm:	1,291	1,086	261	101	317	100	49	264	500	432	137	3,188	7,726
57 cm:	1,845	993	391	160	516	121	171	506	484	404	273	3,268	9,132
58 cm:	1,383	900	619	51	159	141	122	352	233	195	254	2,949	7,358
59 cm:	1,015	931	554	51	159	161	146	682	167	139	39	1,833	5,877
60 cm:	1,107	807	1,173	320	119	744	366	1,651	584	501	312	3,666	11,350
61 cm:	92	497	326	126	278	221	73	903	567	654	59	3,268	7,064
62 cm:	184	341	489	185	40	482	244	352	567	348	78	1,833	5,143
63 cm:	0	186	130	295	397	543	585	859	717	334	312	2,471	6,829
64 cm:	277	155	65	76	476	281	414	1,189	851	362	215	1,196	5,557
65 cm:	184	0	33	51	159	141	98	308	334	348	20	1,036	2,712
66 cm:	277	0	65	8	40	100	146	418	417	195	59	1,116	2,841
67 cm:	92	0	0	34	238	40	98	859	550	237	78	1,196	3,422
68 cm:	92	31	0	8	0	40	0	198	217	181	59	399	1,225
69 cm:	369	0	0	0	79	0	49	110	17	97	0	319	1,040
70 cm:	0	0	0	0	0	20	73	88	50	139	0	638	1,008
71 cm:	0	0	0	0	40	0	0	0	17	14	0	399	470
72 cm:	92	0	0	0	0	0	0	22	17	0	0	80	211
73 cm:	0	0	0	0	0	0	49	0	17	14	0	239	319
74 cm:	0	0	0	0	0	0	24	0	0	0	0	80	104
75 cm:	0	0	0	0	0	0	0	0	0	0	0	0	0
76 cm:	0	0	0	0	0	0	0	0	0	0	0	0	0
77 cm:	92	0	0	0	0	0	0	0	0	0	0	0	92
78 cm:	92	0	0	0	0	0	0	0	0	0	0	159	251
79 cm:	0	0	0	8	0	0	0	0	0	0	0	80	88
80 cm:	0	0	0	0	0	0	0	0	0	0	0	0	0
81 cm:	0	0	0	0	0	0	0	0	0	0	0	80	80
82 cm:	0	0	0	0	0	0	0	0	0	0	0	80	80
TOTAL:	10,880	12,008	13,651	3,244	7,818	3,998	4,023	9,751	10,360	9,425	2,560	57,072	144,790
RAISED CATCH FROM WHICH SAMPLES WERE TAKEN: (Kg)													
	41,845	37,406	35,030	10,662	24,264	16,622	17,023	46,117	42,716	33,631	10,471	209,296	525,083
NUMBER OF FISH MEASURED:													
	118	387	419	385	197	199	165	443	621	677	131	716	4,458
WEIGHT OF FISH MEASURED: (Kg)													
	454	1,205	1,074	1,266	611	827	697	2,095	2,514	2,414	537	2,626	16,320

INTERVAL	A 87	S 87	O 87	N 87	D 87	J 88	F 88	M 88	A 88	M 88	J 88	J 88	TOTAL
27 cm:	0	0	0	0	0	34	0	0	0	0	0	0	34
28 cm:	0	0	0	0	0	0	0	0	0	0	0	0	0
29 cm:	0	0	36	0	0	0	0	0	0	0	0	0	36
30 cm:	38	0	36	0	0	0	0	0	0	0	0	0	74
31 cm:	0	0	0	0	0	0	0	0	0	0	0	0	0
32 cm:	0	0	0	0	0	0	0	0	0	0	0	0	0
33 cm:	0	0	0	42	0	0	0	0	72	0	0	0	114
34 cm:	0	0	72	0	0	0	0	0	0	0	32	0	104
35 cm:	38	0	36	84	115	34	157	38	72	0	0	98	672
36 cm:	153	0	36	168	38	103	210	0	0	28	63	0	799
37 cm:	38	0	72	42	115	103	105	38	143	28	0	0	684
38 cm:	422	0	288	420	269	207	471	113	251	57	32	293	2,823
39 cm:	77	0	396	504	230	207	210	113	72	0	32	0	1,841
40 cm:	230	32	288	336	154	69	367	113	215	0	32	0	1,836
41 cm:	383	97	360	420	230	69	262	113	143	28	63	98	2,266
42 cm:	690	161	252	168	115	103	314	113	36	28	0	293	2,273
43 cm:	575	129	503	756	461	310	262	227	287	57	32	98	3,697
44 cm:	997	354	467	546	614	241	419	113	215	0	127	390	4,483
45 cm:	230	64	180	126	154	69	262	76	179	142	0	488	1,970
46 cm:	613	193	467	462	230	241	471	151	394	0	95	488	3,805
47 cm:	345	129	431	1,092	499	448	210	76	287	28	95	585	4,225
48 cm:	920	290	324	462	307	241	471	416	466	57	412	585	4,951
49 cm:	153	32	252	378	269	207	471	38	179	57	63	390	2,489
50 cm:	613	226	288	294	38	34	210	189	108	0	63	293	2,356
51 cm:	1,112	451	575	798	461	310	733	416	645	313	317	1,366	7,497
52 cm:	1,150	129	611	378	269	310	576	189	717	228	317	975	5,849
53 cm:	1,380	773	899	840	537	689	1,100	642	932	313	570	2,438	11,113
54 cm:	2,108	741	1,007	840	461	276	1,257	416	1,004	513	506	2,536	11,665
55 cm:	345	32	396	294	38	276	367	76	466	114	253	683	3,340
56 cm:	1,112	644	1,079	1,092	384	586	838	680	1,327	427	728	2,926	11,823
57 cm:	882	322	503	798	729	276	995	453	1,040	142	475	2,048	8,663
58 cm:	920	387	431	168	154	207	419	567	502	313	570	2,146	6,784
59 cm:	460	226	503	252	230	172	576	264	574	199	538	390	4,384
60 cm:	843	773	647	336	307	34	314	340	251	0	412	975	5,232
61 cm:	1,227	483	647	504	269	241	524	680	538	228	412	1,756	7,509
62 cm:	652	580	288	84	154	103	157	151	179	171	348	390	3,257
63 cm:	613	354	647	210	115	207	367	416	717	313	538	1,073	5,570
64 cm:	422	97	144	42	77	138	157	416	251	142	570	1,561	4,017
65 cm:	77	0	36	0	38	0	157	0	179	199	317	488	1,491
66 cm:	153	226	108	0	0	0	157	38	215	142	158	683	1,880
67 cm:	153	64	0	0	0	34	0	76	215	114	570	1,366	2,592
68 cm:	77	0	36	0	0	0	0	38	108	85	127	975	1,446
69 cm:	0	0	36	0	0	0	0	38	0	114	32	195	415
70 cm:	0	0	72	0	0	0	0	0	36	57	253	195	613
71 cm:	0	0	0	0	0	0	0	0	36	85	222	390	733
72 cm:	0	32	0	0	38	0	0	0	0	28	285	195	578
73 cm:	0	0	36	0	0	0	52	0	36	0	95	0	219
74 cm:	0	0	72	0	0	0	0	0	0	0	127	293	492
75 cm:	0	0	0	0	0	0	0	0	0	0	32	0	32
76 cm:	0	0	36	0	0	0	0	38	0	0	32	0	106
77 cm:	0	0	0	0	0	0	0	0	0	0	0	0	0
78 cm:	0	0	0	0	0	0	0	0	0	28	0	0	28
TOTAL:	20,201	8,021	13,593	12,936	8,099	6,579	13,618	7,861	13,087	4,778	9,945	30,142	148,860
RAISED CATCH FROM WHICH SAMPLES WERE TAKEN: (Kg)													
	61,206	27,897	41,814	33,194	21,271	19,685	37,547	27,613	43,011	18,050	43,073	134,889	509,250
NUMBER OF FISH MEASURED:													
	527	249	378	308	211	191	260	208	365	168	314	309	3,488
WEIGHT OF FISH MEASURED: (Kg)													
	1,605	876	1,161	795	555	525	756	711	1,219	675	1,386	1,226	11,485

SIZE FREQUENCY DISTRIBUTION

3.2 Skipjack tuna

3.2.2 Negombo

INTERVAL	A 86	S 86	O 86	N 86	D 86	J 87	F 87	M 87	A 87	M 87	J 87	J 87	TOTAL
21 cm:	97	0	0	0	0	0	0	0	0	0	0	0	97
22 cm:	0	0	0	0	0	0	0	0	0	0	0	0	0
23 cm:	121	0	0	0	0	0	0	0	0	0	0	0	121
24 cm:	170	0	0	0	0	0	0	0	0	0	0	0	170
25 cm:	24	0	0	0	0	0	0	0	0	0	0	0	24
26 cm:	97	0	0	0	0	0	0	0	0	0	0	0	97
27 cm:	24	0	0	0	0	0	0	0	0	0	0	0	24
28 cm:	146	0	0	0	0	0	0	0	0	0	0	0	146
29 cm:	24	0	59	0	0	0	0	0	0	0	0	0	83
30 cm:	97	122	0	0	0	0	0	0	0	0	0	0	219
31 cm:	49	122	117	0	0	0	0	0	0	0	0	0	288
32 cm:	121	122	59	42	10	0	0	0	0	0	0	0	354
33 cm:	24	183	117	21	0	0	0	0	0	0	0	0	345
34 cm:	73	122	0	0	0	0	0	0	0	0	0	0	195
35 cm:	97	183	59	0	21	0	0	0	0	0	0	0	360
36 cm:	73	183	176	0	21	0	0	0	0	0	0	0	453
37 cm:	146	122	293	21	10	0	0	0	0	0	0	0	592
38 cm:	24	122	411	21	31	0	0	0	0	0	0	47	656
39 cm:	24	244	352	84	21	0	0	0	0	0	0	0	725
40 cm:	24	426	235	168	10	0	0	0	0	0	79	47	989
41 cm:	73	548	1,408	84	31	11	0	0	68	58	0	47	2,328
42 cm:	267	487	939	105	0	11	0	19	101	0	0	0	1,929
43 cm:	97	853	1,291	168	0	0	0	0	68	58	0	188	2,723
44 cm:	0	366	763	105	31	11	0	19	34	0	0	47	1,376
45 cm:	0	426	822	378	52	32	0	19	101	173	0	47	2,050
46 cm:	97	548	2,523	693	52	32	26	19	338	115	79	47	4,569
47 cm:	97	731	1,819	420	52	11	13	132	507	634	315	47	4,778
48 cm:	194	1,158	2,347	567	21	21	40	56	608	1,152	79	281	6,524
49 cm:	49	366	2,113	483	21	53	26	56	1,182	979	551	188	6,067
50 cm:	49	487	880	315	42	32	26	94	608	1,498	2,756	328	7,115
51 cm:	97	426	1,526	441	31	53	66	113	743	1,037	2,363	516	7,412
52 cm:	267	731	1,056	252	21	11	53	113	540	1,555	3,938	2,063	10,600
53 cm:	388	731	939	189	42	53	92	169	473	1,613	3,150	2,438	10,277
54 cm:	194	1,340	587	189	31	53	145	56	642	1,959	2,756	3,563	11,515
55 cm:	170	731	176	147	10	42	66	150	540	1,095	2,284	2,156	7,567
56 cm:	995	2,010	1,761	315	31	84	184	169	405	1,555	2,914	1,594	12,017
57 cm:	946	1,401	880	189	0	106	171	244	608	1,383	2,284	1,172	9,384
58 cm:	534	1,767	1,232	105	21	32	53	414	777	1,037	2,678	563	9,213
59 cm:	364	1,401	1,056	168	10	95	158	263	540	1,555	1,496	750	7,856
60 cm:	558	487	880	189	21	63	277	357	878	1,267	1,733	469	7,179
61 cm:	485	548	704	336	105	200	408	771	1,047	1,786	1,103	234	7,727
62 cm:	412	548	176	105	73	95	237	1,071	845	1,671	1,339	234	6,806
63 cm:	291	426	352	168	52	137	514	865	1,453	1,095	2,284	188	7,825
64 cm:	121	183	59	42	31	127	382	977	1,284	2,189	1,181	94	6,670
65 cm:	97	305	352	0	31	295	158	489	540	1,210	866	188	4,531
66 cm:	146	122	0	21	10	74	105	132	236	403	79	188	1,516
67 cm:	97	183	117	42	10	116	316	113	101	173	79	47	1,394
68 cm:	73	244	0	21	0	95	26	0	68	403	79	234	1,243
69 cm:	73	305	176	42	10	106	119	94	68	115	394	47	1,549
70 cm:	0	244	0	0	0	11	13	19	101	58	79	0	525
71 cm:	0	0	59	0	0	11	0	38	68	58	0	47	281
72 cm:	0	122	0	0	0	0	0	19	34	0	0	0	175
73 cm:	0	0	0	0	0	0	0	19	0	0	0	0	19
74 cm:	24	0	0	0	0	0	0	0	0	0	0	0	24
75 cm:	0	0	0	0	0	0	0	19	0	0	0	0	19
76 cm:	97	122	0	0	0	0	0	0	0	0	0	0	219
77 cm:	24	0	0	0	0	0	0	0	0	0	0	0	24
78 cm:	97	0	0	0	0	0	0	0	0	0	0	0	97
79 cm:	49	0	0	0	0	0	0	0	0	0	0	0	49
80 cm:	49	0	0	0	0	0	0	0	0	58	0	0	107
TOTAL:	9,026	22,298	28,871	6,636	966	2,073	3,674	7,088	15,606	27,942	36,938	18,099	179,217
RAISED CATCH FROM WHICH SAMPLES WERE TAKEN: (Kg)													
	31,755	69,208	74,179	18,022	2,988	9,687	17,016	32,913	60,264	108,990	128,525	60,427	613,974
NUMBER OF FISH MEASURED:													
	372	357	491	316	93	196	279	377	462	485	451	386	4,265
WEIGHT OF FISH MEASURED: (Kg)													
	1,309	1,136	1,264	858	288	918	1,292	1,751	1,784	1,892	1,632	1,289	15,410

SIZE FREQUENCY DISTRIBUTION

3.2 Skipjack tuna

3.2.2 Negombo

INTERVAL	A 87	S 87	O 87	N 87	D 87	J 88	F 88	M 88	A 88	M 88	J 88	J 88	TOTAL
30 cm:	0	0	117	0	0	0	0	0	0	0	0	0	117
31 cm:	0	0	0	0	0	0	0	0	0	0	0	0	0
32 cm:	0	0	587	0	0	0	0	0	0	0	0	0	587
33 cm:	0	0	0	0	0	0	0	0	0	0	0	0	0
34 cm:	0	0	0	0	0	0	0	0	0	0	0	0	0
35 cm:	0	0	117	0	0	0	0	0	0	0	77	0	194
36 cm:	0	0	0	0	0	0	0	0	0	0	0	0	0
37 cm:	0	0	0	69	0	0	0	0	0	0	0	0	69
38 cm:	0	0	0	69	0	0	0	0	0	0	0	0	69
39 cm:	0	0	0	69	0	0	0	0	0	0	0	0	69
40 cm:	19	0	0	69	0	47	0	26	0	0	0	0	161
41 cm:	38	99	0	0	0	47	0	0	0	0	0	0	184
42 cm:	95	49	0	0	25	141	0	0	0	16	0	0	326
43 cm:	38	99	0	414	0	94	0	0	0	0	0	0	645
44 cm:	38	49	117	138	0	235	0	26	0	0	0	55	658
45 cm:	76	49	0	414	0	94	0	0	0	0	0	55	688
46 cm:	19	198	0	138	75	282	58	0	21	16	77	164	1,048
47 cm:	57	148	352	828	200	658	116	0	0	0	77	274	2,710
48 cm:	19	148	0	897	100	329	116	52	21	79	460	164	2,385
49 cm:	38	49	235	552	75	470	494	182	0	31	230	0	2,356
50 cm:	133	247	117	345	200	705	465	363	149	205	1,151	712	4,792
51 cm:	114	0	1,644	138	100	517	378	311	299	394	1,611	1,040	6,546
52 cm:	267	247	2,700	414	100	517	378	182	107	409	2,915	1,861	10,097
53 cm:	229	198	2,935	552	125	470	262	130	85	299	3,989	2,408	11,682
54 cm:	476	395	1,996	483	75	235	116	311	85	252	5,063	3,394	12,881
55 cm:	896	296	235	483	100	141	203	182	128	157	3,759	5,364	11,944
56 cm:	667	839	3,522	966	125	517	436	389	149	189	2,225	3,613	13,637
57 cm:	610	494	1,644	621	75	376	349	285	235	142	2,762	2,299	9,892
58 cm:	286	247	2,465	828	200	141	320	830	107	142	1,151	2,080	8,797
59 cm:	76	444	3,522	966	75	188	262	337	448	189	1,458	2,025	9,990
60 cm:	57	346	1,409	1,242	200	376	320	233	362	157	997	1,150	6,849
61 cm:	57	198	822	1,173	25	235	203	571	853	378	384	164	5,063
62 cm:	0	49	352	276	0	423	407	960	426	394	614	274	4,175
63 cm:	38	247	235	414	0	141	378	882	597	362	537	383	4,214
64 cm:	0	198	470	138	0	94	232	1,245	490	520	230	55	3,672
65 cm:	38	99	0	138	100	47	116	311	490	205	384	109	2,037
66 cm:	0	0	0	207	0	0	0	156	64	126	153	164	870
67 cm:	19	49	117	69	0	94	87	78	171	205	384	219	1,492
68 cm:	0	49	0	0	25	94	0	130	128	47	77	219	769
69 cm:	19	99	0	69	0	94	29	52	21	0	0	0	383
70 cm:	0	0	0	0	0	47	0	26	43	16	0	0	132
71 cm:	0	0	0	0	0	0	0	0	0	31	0	0	31
72 cm:	0	0	0	0	0	0	0	0	0	16	0	55	71
73 cm:	0	0	0	0	0	0	0	0	0	0	77	0	77
...	0	0	0	0	0	0	0	0	0	0	0	0	0
77 cm:	0	0	0	0	0	0	0	0	0	0	77	0	77
TOTAL:	4,419	5,629	25,710	13,179	2,000	7,849	5,725	8,250	5,479	4,977	30,919	28,300	142,436
RAISED CATCH FROM WHICH SAMPLES WERE TAKEN: (Kg)													
	14,272	20,197	88,991	44,917	6,407	24,714	20,808	36,030	25,203	20,817	106,557	98,967	507,880
NUMBER OF FISH MEASURED:													
	232	114	219	191	80	167	197	318	257	316	403	517	3,011
WEIGHT OF FISH MEASURED: (Kg)													
	749	409	758	651	256	526	716	1,389	1,182	1,322	1,389	1,808	11,155

SIZE FREQUENCY DISTRIBUTION

3.2 Skipjack tuna

3.2.3 Beruwala

INTERVAL	A 86	S 86	O 86	N 86	D 86	J 87	F 87	M 87	A 87	M 87	J 87	J 87	TOTAL
30 cm:	0	0	56	0	0	0	0	0	0	0	0	0	56
...	0	0	0	0	0	0	0	0	0	0	0	0	0
34 cm:	55	26	0	0	0	0	0	0	0	0	0	0	81
35 cm:	111	0	112	0	0	0	0	0	0	0	0	125	348
36 cm:	111	0	168	46	0	0	0	0	0	0	0	0	325
37 cm:	55	0	0	0	0	0	0	0	0	0	0	0	55
38 cm:	55	0	449	137	0	0	0	0	0	0	0	0	641
39 cm:	0	52	112	91	10	0	0	0	0	0	0	0	265
40 cm:	222	52	337	502	40	0	0	0	0	0	0	376	1,529
41 cm:	55	52	0	183	10	0	0	0	0	0	0	125	425
42 cm:	0	181	449	776	50	67	23	0	0	0	0	0	1,546
43 cm:	55	26	505	319	10	67	45	0	0	0	0	0	1,027
44 cm:	222	77	730	776	40	134	0	0	0	0	0	0	1,979
45 cm:	277	155	898	730	10	134	136	0	100	0	0	0	2,440
46 cm:	499	207	561	730	30	268	113	182	402	0	0	0	2,992
47 cm:	499	181	225	228	0	134	158	274	1,205	0	0	125	3,029
48 cm:	665	310	449	639	50	570	498	365	1,607	0	60	250	5,463
49 cm:	333	258	674	319	50	201	566	866	1,909	83	120	250	5,629
50 cm:	1,109	439	842	821	90	369	747	228	1,005	83	60	501	6,294
51 cm:	499	129	561	365	60	302	294	502	1,607	83	0	751	5,153
52 cm:	1,054	491	1,179	684	70	168	520	456	201	248	60	125	5,256
53 cm:	499	387	449	228	70	134	475	319	603	248	0	376	3,788
54 cm:	1,553	800	1,796	730	141	503	294	274	904	83	0	125	7,203
55 cm:	721	671	1,066	593	131	604	679	365	1,708	165	0	1,127	7,830
56 cm:	2,662	1,084	2,077	1,141	281	973	68	0	301	248	0	250	9,085
57 cm:	3,161	594	1,235	821	111	470	136	46	100	248	0	376	7,298
58 cm:	1,553	1,472	3,312	1,232	201	1,577	407	319	703	330	0	1,127	12,233
59 cm:	1,442	723	2,526	821	60	939	317	1,049	1,507	1,733	60	2,379	13,556
60 cm:	1,165	1,807	5,613	1,688	10	1,677	656	912	703	330	361	3,005	17,927
61 cm:	499	981	2,919	776	151	1,174	543	1,869	2,913	2,640	1,203	6,761	22,429
62 cm:	388	542	2,694	639	30	637	407	456	0	578	661	2,504	9,536
63 cm:	277	465	1,459	319	60	503	362	1,641	2,009	3,630	1,082	6,386	18,193
64 cm:	333	336	1,235	502	30	637	453	2,006	2,612	2,970	1,623	3,882	16,619
65 cm:	0	103	505	365	90	537	385	2,280	5,425	3,630	1,623	5,134	20,077
66 cm:	222	52	674	319	30	470	23	593	703	2,640	1,623	4,508	11,857
67 cm:	55	77	112	46	40	101	45	502	4,822	3,465	2,225	3,255	14,745
68 cm:	0	155	168	91	20	268	0	1,049	904	4,538	2,706	626	10,525
69 cm:	0	129	0	46	20	67	0	182	1,808	1,733	1,142	125	5,252
70 cm:	0	77	56	137	20	67	0	319	201	83	1,383	0	2,343
71 cm:	0	26	0	0	20	34	0	0	0	908	421	0	1,409
72 cm:	0	52	0	0	0	0	0	46	100	578	1,203	0	1,979
73 cm:	0	26	0	0	0	67	0	0	904	1,320	601	0	2,918
74 cm:	0	52	0	0	0	34	0	46	0	248	180	0	560
75 cm:	0	0	0	0	0	134	0	0	0	83	0	0	217
76 cm:	0	0	0	0	10	235	0	0	0	330	120	0	695
77 cm:	0	0	0	0	0	0	0	46	0	0	0	0	46
78 cm:	0	0	0	0	0	34	0	0	0	0	60	0	94
79 cm:	0	0	0	0	0	0	0	0	0	0	0	0	0
80 cm:	0	0	0	0	0	67	0	0	0	0	0	0	67
81 cm:	0	26	0	0	0	0	0	0	0	0	0	0	26
...	0	0	0	0	0	0	0	0	0	0	0	0	0
85 cm:	0	26	0	0	0	0	0	0	0	0	0	0	26
86 cm:	0	0	0	0	0	0	0	0	0	0	0	0	0
87 cm:	0	26	0	0	0	0	0	0	0	0	0	0	26
TOTAL:	20,406	13,325	36,203	17,840	2,046	14,357	8,350	17,192	36,966	33,256	18,577	44,574	263,092
RAISED CATCH FROM WHICH SAMPLES WERE TAKEN: (Kg)													
	68,988	56,391	137,123	60,666	7,368	61,425	29,945	83,422	181,638	196,023	115,338	204,810	1,203,137
NUMBER OF FISH MEASURED:													
	368	516	645	391	204	428	369	377	368	403	309	356	4,734
WEIGHT OF FISH MEASURED: (Kg)													
	1,244	2,009	2,443	1,343	735	1,838	1,320	1,795	1,805	2,376	1,946	1,746	20,600

SIZE FREQUENCY DISTRIBUTION

3.2 Skipjack tuna

3.2.3 Beruwala

INTERVAL	A 87	S 87	O 87	N 87	D 87	J 88	F 88	M 88	A 88	M 88	J 88	J 88	TOTAL
22 cm:	0	0	0	0	0	0	0	0	0	44	0	0	44
23 cm:	0	0	0	0	0	0	0	0	0	88	0	0	88
24 cm:	0	0	0	0	0	0	0	0	0	44	0	0	44
25 cm:	0	0	0	0	0	0	0	0	0	131	0	0	131
26 cm:	0	0	0	0	0	0	0	0	0	88	0	0	88
27 cm:	0	0	0	0	0	0	0	0	0	44	0	0	44
28 cm:	0	0	0	0	0	0	0	0	0	88	0	0	88
29 cm:	0	0	0	0	0	0	0	0	0	44	0	0	44
...	0	0	0	0	0	0	0	0	0	0	0	0	0
33 cm:	0	0	0	0	0	0	0	57	0	0	0	0	57
34 cm:	0	0	0	0	0	0	0	115	0	0	0	0	115
35 cm:	0	0	0	0	0	0	140	57	0	0	0	0	197
36 cm:	0	0	0	0	0	0	0	57	0	0	0	0	57
37 cm:	0	0	0	0	0	0	0	0	0	0	0	0	0
38 cm:	0	0	0	0	0	19	140	0	0	0	0	0	159
39 cm:	0	0	0	0	0	0	70	0	0	0	0	0	70
40 cm:	0	0	0	0	0	56	70	0	0	44	0	905	1,075
41 cm:	69	0	0	0	0	0	70	0	0	44	0	302	485
42 cm:	0	142	81	0	0	19	0	0	0	0	0	603	845
43 cm:	69	47	0	0	33	19	140	0	0	0	0	302	610
44 cm:	0	47	0	0	33	0	0	0	0	44	0	151	275
45 cm:	138	899	163	43	196	94	70	57	0	44	0	1,056	2,760
46 cm:	0	737	0	0	49	0	0	0	0	131	0	452	1,389
47 cm:	69	284	813	0	82	19	0	0	0	131	0	603	2,001
48 cm:	206	899	406	129	391	207	209	172	0	175	0	905	3,699
49 cm:	138	236	569	172	228	94	140	115	131	88	0	302	2,213
50 cm:	757	95	81	129	440	357	70	516	0	306	477	905	4,133
51 cm:	481	189	813	300	326	207	70	401	131	219	0	905	4,042
52 cm:	619	95	1,056	172	228	38	140	172	131	438	0	754	3,843
53 cm:	344	426	813	644	554	582	489	573	655	88	716	1,056	6,940
54 cm:	275	0	488	215	163	131	140	57	262	219	0	1,056	3,006
55 cm:	757	189	894	644	457	338	907	631	655	744	477	2,865	9,558
56 cm:	275	0	244	86	228	338	349	918	786	481	716	2,111	6,532
57 cm:	138	47	650	215	261	38	209	115	393	263	0	1,508	3,837
58 cm:	413	236	244	172	359	338	1,396	803	786	1,313	477	4,675	11,212
59 cm:	894	331	975	215	179	75	70	459	262	875	239	2,413	6,987
60 cm:	757	473	81	43	359	432	1,256	1,491	655	1,663	2,624	5,882	15,716
61 cm:	2,338	615	2,356	515	261	131	1,605	688	917	1,226	1,193	3,016	14,861
62 cm:	1,100	236	1,381	172	49	19	70	172	131	700	716	2,111	6,857
63 cm:	2,751	993	2,519	944	326	319	2,513	1,262	1,441	481	2,624	2,111	18,284
64 cm:	1,788	284	1,219	558	0	38	209	57	0	350	0	1,056	5,559
65 cm:	2,338	993	894	772	245	207	2,024	975	1,441	481	5,009	3,016	18,395
66 cm:	2,270	804	1,056	772	0	113	70	401	393	394	1,193	1,659	9,125
67 cm:	2,820	1,040	1,950	1,373	16	56	279	0	393	44	0	603	8,574
68 cm:	2,545	1,371	325	729	65	169	1,047	573	917	438	3,578	905	12,662
69 cm:	1,032	993	1,056	1,416	16	38	70	172	393	175	716	302	6,379
70 cm:	619	615	163	1,116	16	56	70	172	524	131	2,624	452	6,558
71 cm:	344	95	81	215	0	38	279	229	655	88	954	0	2,978
72 cm:	344	568	244	386	0	0	140	57	0	88	239	0	2,066
73 cm:	206	568	244	300	0	0	70	57	655	44	1,670	0	3,814
74 cm:	0	95	0	0	0	0	0	0	0	88	0	0	183
75 cm:	0	95	0	0	0	0	0	0	524	0	1,193	0	1,812
76 cm:	0	0	0	0	0	0	0	0	131	0	239	0	370
77 cm:	0	0	0	0	0	0	0	0	0	0	0	0	0
78 cm:	0	0	0	0	0	0	0	0	524	0	0	0	524
79 cm:	0	0	0	0	0	0	0	0	393	0	0	0	393
80 cm:	0	0	0	0	0	0	0	0	262	0	0	0	262
81 cm:	0	0	0	0	0	0	0	0	393	0	0	0	393
82 cm:	0	0	0	0	0	0	0	0	131	0	0	0	131
TOTAL:	26,894	14,737	21,859	12,447	5,560	4,585	14,591	11,581	15,065	12,609	27,674	44,942	212,564
RAISED CATCH FROM WHICH SAMPLES WERE TAKEN: (Kg)													
	139,561	75,875	99,624	69,474	18,905	17,551	72,046	65,194	92,172	58,418	169,233	193,582	1,071,635
NUMBER OF FISH MEASURED:													
	391	312	269	290	341	244	209	202	115	288	116	298	3,075
WEIGHT OF FISH MEASURED: (Kg)													
	2,049	1,606	1,248	1,615	1,166	927	978	1,131	684	1,211	695	1,218	14,528

SIZE FREQUENCY DISTRIBUTION

3.2 Skipjack tuna

3.2.4 3 sites combined

INTERVAL	A 86	S 86	O 86	N 86	D 86	J 87	F 87	M 87	A 87	M 87	J 87	J 87	TOTAL
21 cm:	97	0	0	0	0	0	0	0	0	0	0	0	97
22 cm:	0	0	0	0	0	0	0	0	0	0	0	0	0
23 cm:	121	0	0	0	0	0	0	0	0	0	0	0	121
24 cm:	170	0	0	0	0	0	0	0	0	0	0	0	170
25 cm:	24	0	0	0	0	0	0	0	0	0	0	0	24
26 cm:	97	0	0	0	0	0	0	0	0	0	0	0	97
27 cm:	24	0	0	0	0	0	0	0	0	0	0	0	24
28 cm:	146	0	0	0	0	0	0	0	0	0	0	0	146
29 cm:	24	0	59	0	0	0	0	0	0	0	0	0	83
30 cm:	97	122	56	0	0	0	0	0	0	28	0	0	303
31 cm:	49	122	117	0	0	0	0	0	0	14	0	0	302
32 cm:	121	122	92	42	10	0	0	0	0	0	0	0	387
33 cm:	24	214	150	21	0	0	0	0	0	0	0	0	409
34 cm:	128	148	65	0	40	0	0	0	0	28	0	0	409
35 cm:	208	214	204	17	61	0	0	0	0	14	0	125	843
36 cm:	184	183	637	80	100	0	0	0	0	42	0	80	1,306
37 cm:	201	246	619	63	129	0	0	0	0	42	0	0	1,300
38 cm:	171	215	1,381	183	190	0	0	0	0	111	0	206	2,457
39 cm:	116	544	855	226	150	20	24	0	17	181	0	239	2,372
40 cm:	246	695	1,289	712	209	161	49	22	17	264	79	1,619	5,362
41 cm:	128	662	1,897	301	81	31	49	0	118	336	0	1,049	4,652
42 cm:	267	823	1,714	940	90	78	47	41	134	84	0	877	5,095
43 cm:	152	1,034	1,926	538	169	87	45	44	235	155	0	826	5,211
44 cm:	314	660	1,916	932	428	205	73	41	184	167	78	844	5,842
45 cm:	369	985	2,371	1,209	260	206	185	19	234	243	20	446	6,547
46 cm:	688	1,376	3,410	1,541	399	320	139	201	957	157	118	764	10,070
47 cm:	780	1,253	2,695	[illegible]	[illegible]	205	195	428	1,945	829	471	1,527	11,438
48 cm:	951	1,809	3,513	1,332	309	591	587	443	2,282	1,263	159	1,567	14,806
49 cm:	382	1,183	3,308	869	309	254	690	1,010	3,208	1,159	671	1,394	14,437
50 cm:	1,158	1,174	2,341	1,347	449	441	822	410	2,147	2,180	2,816	4,097	19,382
51 cm:	873	772	2,413	941	250	476	384	681	2,084	1,816	2,461	4,774	18,725
52 cm:	1,413	1,439	2,756	978	250	259	622	657	1,225	1,998	3,998	4,101	19,696
53 cm:	1,071	1,894	1,974	703	866	328	786	576	1,710	2,460	3,189	6,321	21,878
54 cm:	2,116	2,450	2,741	986	648	596	780	682	2,180	2,808	2,971	8,789	27,747
55 cm:	1,629	2,116	1,731	858	458	686	940	581	2,381	1,371	2,284	4,160	19,195
56 cm:	4,948	4,180	4,099	1,557	629	1,157	301	433	1,206	2,235	3,051	5,032	28,828
57 cm:	5,952	2,988	2,506	1,170	627	697	478	796	1,192	2,035	2,557	4,816	25,814
58 cm:	3,470	4,139	5,163	1,388	381	1,750	582	1,085	1,713	1,562	2,932	4,639	28,804
59 cm:	2,821	3,055	4,136	1,040	229	1,195	621	1,994	2,214	3,427	1,595	4,962	27,289
60 cm:	2,830	3,101	7,666	2,197	150	2,484	1,299	2,920	2,165	2,098	2,406	7,140	36,456
61 cm:	1,076	2,026	3,949	1,238	534	1,595	1,024	3,543	4,527	5,080	2,365	10,263	37,220
62 cm:	984	1,431	3,359	929	143	1,214	888	1,879	1,412	2,597	2,078	4,571	21,485
63 cm:	568	1,077	1,941	782	509	1,183	1,461	3,365	4,179	5,059	3,678	9,045	32,847
64 cm:	731	674	1,359	620	537	1,045	1,249	4,172	4,747	5,521	3,019	5,172	28,846
65 cm:	281	408	890	416	280	973	641	3,077	6,299	5,188	2,509	6,358	27,320
66 cm:	645	174	739	348	80	644	274	1,143	1,356	3,238	1,761	5,812	16,214
67 cm:	244	260	229	122	288	257	459	1,474	5,473	3,875	2,382	4,498	19,561
68 cm:	165	430	168	120	20	403	26	1,247	1,189	5,122	2,844	1,259	12,993
69 cm:	442	434	176	88	109	173	168	386	1,893	1,945	1,536	491	7,841
70 cm:	0	321	56	137	20	98	86	426	352	280	1,462	638	3,876
71 cm:	0	26	59	0	60	45	0	38	85	980	421	446	2,160
72 cm:	92	174	0	0	0	0	0	87	151	578	1,203	80	2,365
73 cm:	0	26	0	0	0	67	49	19	921	1,334	601	239	3,256
74 cm:	24	52	0	0	0	34	24	46	0	248	180	80	688
75 cm:	0	0	0	0	0	134	0	19	0	83	0	0	236
76 cm:	97	122	0	0	10	235	0	0	0	330	120	0	914
77 cm:	116	0	0	0	0	0	0	46	0	0	0	0	162
78 cm:	189	0	0	0	0	34	0	0	0	0	60	159	442
79 cm:	49	0	0	8	0	0	0	0	0	0	0	80	137
80 cm:	49	0	0	0	0	67	0	0	0	58	0	0	174
81 cm:	0	26	0	0	0	0	0	0	0	0	0	80	106
82 cm:	0	0	0	0	0	0	0	0	0	0	0	80	80
83 cm:	0	0	0	0	0	0	0	0	0	0	0	0	0
84 cm:	0	0	0	0	0	0	0	0	0	0	0	0	0
85 cm:	0	26	0	0	0	0	0	0	0	0	0	0	26
86 cm:	0	0	0	0	0	0	0	0	0	0	0	0	0
87 cm:	0	26	0	0	0	0	0	0	0	0	0	0	26
TOTAL:	40,312	47,631	78,725	27,720	10,830	20,428	16,047	34,031	62,932	70,623	58,075	119,745	587,099
RAISED CATCH FROM WHICH SAMPLES WERE TAKEN: (Kg)													
	142,588	163,005	246,332	89,350	34,620	87,734	63,984	162,452	284,618	338,644	254,334	474,533	2,342,194
NUMBER OF FISH MEASURED:													
	858	1,260	1,555	1,092	494	823	813	1,197	1,451	1,565	891	1,458	13,457
WEIGHT OF FISH MEASURED: (Kg)													
	3,007	4,350	4,781	3,467	1,631	3,583	3,309	5,641	6,103	6,682	4,115	5,661	52,330

SIZE FREQUENCY DISTRIBUTION

3.2 Skipjack tuna

3.2.4 3 sites combined

INTERVAL	A 87	S 87	O 87	N 87	D 87	J 88	F 88	M 88	A 88	M 88	J 88	J 88	TOTAL
22 cm:	0	0	0	0	0	0	0	0	0	44	0	0	44
23 cm:	0	0	0	0	0	0	0	0	0	88	0	0	88
24 cm:	0	0	0	0	0	0	0	0	0	44	0	0	44
25 cm:	0	0	0	0	0	0	0	0	0	131	0	0	131
26 cm:	0	0	0	0	0	0	0	0	0	88	0	0	88
27 cm:	0	0	0	0	0	34	0	0	0	44	0	0	78
28 cm:	0	0	0	0	0	0	0	0	0	88	0	0	88
29 cm:	0	0	36	0	0	0	0	0	0	44	0	0	80
30 cm:	38	0	153	0	0	0	0	0	0	0	0	0	191
31 cm:	0	0	0	0	0	0	0	0	0	0	0	0	0
32 cm:	0	0	587	0	0	0	0	0	0	0	0	0	587
33 cm:	0	0	0	42	0	0	0	57	72	0	0	0	171
34 cm:	0	0	72	0	0	0	0	115	0	0	32	0	219
35 cm:	38	0	153	84	115	34	297	95	72	0	77	98	1,063
36 cm:	153	0	36	168	38	103	210	57	0	28	63	0	856
37 cm:	38	0	72	111	115	103	105	38	143	28	0	0	753
38 cm:	422	0	288	489	269	226	611	113	251	57	32	293	3,051
39 cm:	77	0	396	573	230	207	280	113	72	0	32	0	1,980
40 cm:	249	32	288	405	154	172	437	139	215	44	32	905	3,072
41 cm:	490	196	360	420	230	116	332	113	143	72	63	400	2,935
42 cm:	785	352	333	168	140	263	314	113	36	44	0	896	3,444
43 cm:	682	275	503	1,170	494	423	402	227	287	57	32	400	4,952
44 cm:	1,035	450	584	684	647	476	419	139	215	44	127	596	5,416
45 cm:	444	1,012	343	583	350	257	332	133	179	186	0	1,599	5,418
46 cm:	632	1,148	467	600	354	523	529	151	415	147	172	1,104	6,242
47 cm:	471	561	1,596	1,920	781	1,125	326	76	287	159	172	1,462	8,936
48 cm:	1,145	1,337	730	1,488	798	777	796	640	487	311	872	1,654	11,035
49 cm:	329	317	1,056	1,102	572	771	1,105	335	310	176	293	692	7,058
50 cm:	1,503	568	486	768	678	1,096	745	1,068	257	511	1,691	1,910	11,281
51 cm:	1,707	640	3,032	1,236	887	1,034	1,181	1,128	1,075	926	1,928	3,311	18,085
52 cm:	2,036	471	4,367	964	597	865	1,094	543	955	1,075	3,232	3,590	19,789
53 cm:	1,953	1,397	4,647	2,036	1,216	1,741	1,851	1,345	1,672	700	5,275	5,902	29,735
54 cm:	2,859	1,136	3,491	1,538	699	642	1,513	784	1,351	984	5,569	6,986	27,552
55 cm:	1,998	517	1,525	1,421	595	755	1,477	889	1,249	1,015	4,489	8,912	24,842
56 cm:	2,054	1,483	4,845	2,144	737	1,441	1,623	1,987	2,262	1,097	3,669	8,650	31,992
57 cm:	1,630	863	2,797	1,634	1,065	690	1,553	853	1,668	547	3,237	5,855	22,392
58 cm:	1,619	870	3,140	1,168	713	686	2,135	2,200	1,395	1,768	2,198	8,901	26,793
59 cm:	1,430	1,001	5,000	1,433	484	435	908	1,060	1,284	1,263	2,235	4,828	21,361
60 cm:	1,657	1,592	2,137	1,621	866	842	1,890	2,064	1,268	1,820	4,033	8,007	27,797
61 cm:	3,622	1,296	3,825	2,192	555	607	2,332	1,939	2,308	1,832	1,989	4,936	27,433
62 cm:	1,752	865	2,021	532	203	545	634	1,283	736	1,265	1,678	2,775	14,289
63 cm:	3,402	1,594	3,401	1,568	441	667	3,258	2,560	2,755	1,156	3,699	3,567	28,068
64 cm:	2,210	579	1,833	738	77	270	598	1,718	741	1,012	800	2,672	13,248
65 cm:	2,453	1,092	930	910	383	254	2,297	1,286	2,110	885	5,710	3,613	21,923
66 cm:	2,423	1,030	1,164	979	0	113	227	595	672	662	1,504	2,506	11,875
67 cm:	2,992	1,153	2,067	1,442	16	184	366	154	779	363	954	2,188	12,658
68 cm:	2,622	1,420	361	729	90	263	1,047	741	1,153	570	3,782	2,099	14,877
69 cm:	1,051	1,092	1,092	1,485	16	132	99	262	414	289	748	497	7,177
70 cm:	619	615	235	1,116	16	103	70	198	603	204	2,877	647	7,303
71 cm:	344	95	81	215	0	38	279	229	691	204	1,176	390	3,742
72 cm:	344	600	244	386	38	0	140	57	0	132	524	250	2,715
73 cm:	206	568	280	300	0	0	122	57	691	44	1,842	0	4,110
74 cm:	0	95	72	0	0	0	0	0	0	88	127	293	675
75 cm:	0	95	0	0	0	0	0	0	524	0	1,225	0	1,844
76 cm:	0	0	36	0	0	0	0	38	131	0	271	0	476
77 cm:	0	0	0	0	0	0	0	0	0	0	77	0	77
78 cm:	0	0	0	0	0	0	0	0	524	28	0	0	552
79 cm:	0	0	0	0	0	0	0	0	393	0	0	0	393
80 cm:	0	0	0	0	0	0	0	0	262	0	0	0	262
81 cm:	0	0	0	0	0	0	0	0	393	0	0	0	393
82 cm:	0	0	0	0	0	0	0	0	131	0	0	0	131
TOTAL:	51,514	28,407	61,162	38,562	15,659	19,013	33,934	27,692	33,631	22,364	68,538	103,384	503,860
RAISED CATCH FROM WHICH SAMPLES WERE TAKEN: (Kg)	215,039	123,969	230,429	147,585	46,583	61,950	130,401	128,837	160,386	97,285	318,863	427,438	2,088,765
NUMBER OF FISH MEASURED:	1,150	675	866	789	632	602	666	728	737	772	833	1,124	9,574
WEIGHT OF FISH MEASURED: (Kg)	4,403	2,891	3,167	3,056	1,977	1,978	2,450	3,231	3,085	3,208	3,470	4,252	37,168

SIZE FREQUENCY DISTRIBUTION

3.3 Kawakawa

3.3.1 Kandakuliya

INTERVAL	A 86	S 86	O 86	N 86	D 86	J 87	F 87	M 87	A 87	M 87	J 87	J 87	TOTAL
23 cm:	0	0	0	0	73	0	0	0	0	0	0	0	73
24 cm:	0	0	0	0	0	0	0	0	0	0	0	0	0
25 cm:	0	0	0	0	0	0	0	0	0	0	0	0	0
26 cm:	0	0	221	0	0	0	0	0	0	0	0	0	221
27 cm:	0	0	74	0	0	0	0	0	0	0	0	0	74
28 cm:	0	0	74	0	73	0	0	0	0	0	0	0	147
29 cm:	0	0	441	0	0	0	17	0	0	12	0	0	470
30 cm:	0	0	588	40	146	176	52	0	0	25	0	235	1,262
31 cm:	0	147	809	0	73	70	17	0	0	37	0	0	1,153
32 cm:	0	74	441	40	73	211	0	0	0	12	0	59	910
33 cm:	0	663	882	0	438	35	0	0	151	50	0	235	2,454
34 cm:	0	663	588	0	438	176	0	0	25	87	0	528	2,505
35 cm:	0	884	368	0	730	0	17	0	101	162	0	410	2,672
36 cm:	0	589	441	0	146	70	0	0	403	150	0	410	2,209
37 cm:	0	442	2,279	0	511	106	17	0	176	50	0	293	3,874
38 cm:	0	663	1,617	40	365	35	34	0	730	187	0	469	4,140
39 cm:	0	0	882	40	292	70	52	0	353	137	0	117	1,943
40 cm:	0	589	588	0	0	35	103	0	428	175	0	235	2,153
41 cm:	0	74	221	0	0	70	0	0	176	75	0	352	968
42 cm:	0	368	147	0	0	35	0	0	126	75	0	59	810
43 cm:	139	147	0	0	73	0	0	0	201	0	0	176	736
44 cm:	139	0	0	0	0	0	17	0	252	50	0	59	517
45 cm:	0	0	0	0	146	0	17	0	25	0	0	0	188
46 cm:	416	0	0	0	0	0	17	0	151	0	0	0	584
47 cm:	0	74	0	0	73	0	52	111	579	50	0	117	1,056
48 cm:	277	74	0	0	146	0	17	0	50	25	0	59	648
49 cm:	0	0	74	0	146	0	0	111	50	62	0	117	560
50 cm:	139	0	74	0	0	0	17	0	101	0	0	0	331
51 cm:	139	0	74	0	0	0	17	22	227	25	0	0	504
52 cm:	0	74	74	0	0	0	0	0	50	0	0	59	257
53 cm:	0	0	221	0	0	0	52	22	76	12	0	0	383
54 cm:	0	0	0	40	0	35	137	45	201	0	0	0	458
55 cm:	0	74	0	0	0	0	34	22	0	0	0	0	130
56 cm:	0	0	0	0	0	0	52	22	50	0	0	0	124
57 cm:	0	0	147	0	0	0	120	45	101	0	0	0	413
58 cm:	0	0	74	0	0	0	86	22	0	0	0	0	182
59 cm:	0	0	0	0	0	0	34	45	0	0	0	0	79
60 cm:	0	0	0	0	0	0	17	22	0	0	0	0	39
61 cm:	0	0	0	0	0	35	17	0	0	0	0	0	52
TOTAL:	1,249	5,599	11,399	200	3,942	1,159	1,012	489	4,783	1,458	0	3,989	35,279
RAISED CATCH FROM WHICH SAMPLES WERE TAKEN: (Kg)													
	2,214	5,228	10,306	238	3,581	1,055	2,237	1,226	5,652	1,550	0	3,927	37,214
NUMBER OF FISH MEASURED:													
	9	76	155	5	54	33	59	22	190	117	0	68	788
WEIGHT OF FISH MEASURED: (Kg)													
	16	71	140	6	49	30	130	55	274	127	0	67	965

INTERVAL	A 87	S 87	O 87	N 87	D 87	J 88	F 88	M 88	A 88	M 88	J 88	J 88	TOTAL
23 cm:	0	0	0	0	0	57	0	0	0	0	0	0	57
24 cm:	0	0	56	0	0	29	77	0	0	0	0	0	162
25 cm:	0	0	56	69	178	0	77	0	49	0	0	0	429
26 cm:	0	0	451	207	535	115	155	95	49	7	0	235	1,849
27 cm:	0	31	846	300	653	487	464	152	65	0	39	470	3,507
28 cm:	25	124	1,804	853	713	401	774	190	179	0	105	763	5,931
29 cm:	50	185	3,383	507	1,247	458	1,160	133	195	7	79	587	7,991
30 cm:	50	711	2,932	760	594	315	1,702	114	81	0	79	939	8,277
31 cm:	99	278	902	138	594	258	774	76	81	0	26	763	3,989
32 cm:	198	340	1,410	161	416	115	696	19	0	0	118	352	3,825
33 cm:	223	402	902	230	297	429	1,238	38	33	0	39	470	4,301
34 cm:	322	835	733	230	416	315	696	19	0	0	92	528	4,186
35 cm:	223	185	395	138	356	286	696	19	0	0	118	176	2,592
36 cm:	248	587	338	92	119	487	928	0	0	0	105	411	3,315
37 cm:	149	340	564	138	238	229	851	0	0	0	39	176	2,724
38 cm:	520	464	338	23	119	344	542	19	0	0	52	59	2,480
39 cm:	50	155	169	69	297	57	232	0	0	0	52	0	1,081
40 cm:	248	185	169	69	119	57	77	0	0	0	52	0	976
41 cm:	173	216	226	46	297	143	387	0	0	0	52	59	1,599
42 cm:	50	93	0	0	59	86	232	0	0	0	92	0	612
43 cm:	74	185	0	0	59	115	155	0	0	0	13	59	660
44 cm:	223	93	169	0	178	57	232	0	0	0	52	0	1,004
45 cm:	74	0	0	0	0	57	155	0	0	0	39	59	384
46 cm:	50	62	56	0	0	29	77	0	0	0	52	0	326
47 cm:	124	402	451	0	59	143	77	0	0	0	52	0	1,308
48 cm:	0	216	113	0	0	57	0	0	0	0	13	0	399
49 cm:	50	155	56	0	0	29	0	0	0	0	0	0	290
50 cm:	99	155	0	0	0	0	0	0	0	0	0	0	254
51 cm:	99	124	226	0	0	29	0	0	0	0	26	0	504
52 cm:	0	31	0	0	0	29	0	0	0	0	0	0	60
53 cm:	0	0	56	0	0	29	0	0	0	0	26	0	111
54 cm:	50	93	0	0	0	0	0	0	0	0	26	0	169
55 cm:	0	0	0	0	0	0	0	0	0	0	0	0	0
56 cm:	0	0	56	0	0	29	0	0	0	0	26	0	111
57 cm:	74	31	0	0	0	29	0	0	0	0	0	0	134
58 cm:	50	0	0	0	0	29	0	0	0	0	0	0	79
59 cm:	25	0	56	0	0	0	0	0	0	0	0	0	81
...	0	0	0	0	0	0	0	0	0	0	0	0	0
63 cm:	0	0	0	0	0	29	0	0	0	0	0	0	29
...	0	0	0	0	0	0	0	0	0	0	0	0	0
66 cm:	0	0	0	0	0	29	0	0	0	0	0	0	29
67 cm:	0	0	0	0	0	57	0	0	0	0	0	0	57
...	0	0	0	0	0	0	0	0	0	0	0	0	0
70 cm:	0	0	0	0	0	29	0	0	0	0	0	0	29
TOTAL:	3,620	6,678	16,913	4,030	7,543	5,473	12,454	874	732	14	1,464	6,106	65,901
RAISED CATCH FROM WHICH SAMPLES WERE TAKEN: (Kg)													
	4,028	8,822	11,126	2,143	4,627	8,422	8,361	412	304	7	1,492	3,906	47,650
NUMBER OF FISH MEASURED:													
	146	216	300	175	127	191	161	46	45	2	112	104	1,625
WEIGHT OF FISH MEASURED: (Kg)													
	168	225	197	93	78	174	114	21	19	1	116	59	1,265

SIZE FREQUENCY DISTRIBUTION

3.3 Kawakawa

3.3.2 Negombo

INTERVAL	A 86	S 86	O 86	N 86	D 86	J 87	F 87	M 87	A 87	M 87	J 87	J 87	TOTAL
21 cm	0	0	0	28	0	0	0	0	0	0	0	0	28
22 cm	0	87	0	28	0	0	0	0	0	48	0	0	163
23 cm	0	87	0	57	0	0	0	0	0	48	0	0	192
24 cm	0	0	0	28	0	0	0	0	87	97	0	0	212
25 cm	0	87	0	0	0	0	0	0	29	242	0	0	358
26 cm	0	260	59	28	0	0	0	0	0	582	0	0	929
27 cm	0	174	59	57	0	0	0	0	0	533	220	0	1,043
28 cm	0	1,128	118	0	0	0	0	0	0	388	330	95	2,059
29 cm	0	1,822	59	28	0	0	22	0	0	145	110	95	2,281
30 cm	0	1,302	59	142	0	0	0	0	0	97	220	95	1,915
31 cm	0	1,736	118	57	52	53	0	0	0	145	220	190	2,571
32 cm	0	2,343	59	199	78	53	45	0	58	0	110	569	3,514
33 cm	0	1,649	412	227	78	158	22	0	0	145	551	380	3,622
34 cm	0	2,950	177	171	105	0	0	0	29	48	220	285	3,985
35 cm	0	1,128	589	114	0	53	22	0	116	339	0	949	3,310
36 cm	0	5,033	942	142	131	0	0	0	116	388	771	1,139	8,662
37 cm	0	2,690	1,178	341	183	158	22	0	0	436	991	664	6,663
38 cm	0	3,471	1,943	568	314	53	0	31	116	630	1,762	1,423	10,311
39 cm	0	3,037	1,649	568	445	53	0	31	58	339	1,542	474	8,196
40 cm	0	521	1,178	483	183	0	0	63	87	533	2,203	1,898	7,149
41 cm	0	2,083	1,884	398	366	53	89	0	87	630	991	474	7,055
42 cm	145	1,475	1,060	227	131	0	22	0	349	242	551	569	4,771
43 cm	145	955	765	313	183	0	67	63	145	145	110	759	3,650
44 cm	0	434	59	57	131	53	45	0	349	242	551	664	2,585
45 cm	0	347	530	57	26	158	22	0	116	0	330	1,234	2,820
46 cm	48	1,041	412	341	105	53	45	31	87	97	551	664	3,475
47 cm	0	260	177	28	105	158	67	157	58	339	220	1,329	2,898
48 cm	0	694	530	284	26	158	0	63	116	194	881	1,423	4,369
49 cm	0	260	294	256	26	105	67	31	145	145	881	664	2,874
50 cm	0	174	118	85	0	53	22	94	116	97	771	759	2,289
51 cm	48	781	707	313	0	158	45	63	58	48	661	664	3,546
52 cm	48	260	471	426	26	210	67	31	87	339	441	949	3,355
53 cm	242	434	589	568	157	420	134	125	262	194	771	1,234	5,130
54 cm	97	1,128	236	398	105	420	134	219	436	776	1,432	1,234	6,615
55 cm	48	87	294	171	105	315	134	157	407	388	1,322	854	4,282
56 cm	145	694	883	426	131	368	201	501	755	533	1,432	1,803	7,872
57 cm	97	521	294	256	157	263	111	439	668	679	1,432	949	5,866
58 cm	145	521	294	171	52	263	156	157	697	824	991	854	5,125
59 cm	145	347	177	57	78	158	22	125	291	194	661	474	2,729
60 cm	48	0	0	57	105	158	45	63	262	97	441	474	1,750
61 cm	48	434	294	28	105	0	22	125	58	48	110	285	1,557
62 cm	48	174	118	57	78	0	0	0	0	0	330	0	805
63 cm	97	0	0	57	26	105	0	63	0	0	0	95	443
64 cm	145	87	59	28	0	53	0	0	29	0	0	0	401
65 cm	0	0	0	0	26	53	22	0	29	0	0	0	130
66 cm	48	0	59	0	52	0	0	0	0	0	0	0	159
67 cm	97	0	0	0	0	0	0	0	0	0	220	95	412
68 cm	48	0	0	0	0	53	0	0	0	0	0	95	196
69 cm	48	87	0	28	0	0	0	0	0	0	0	0	163
70 cm	0	0	0	0	0	0	0	0	0	0	0	0	0
71 cm	97	0	0	0	26	0	0	0	0	0	0	0	123
72 cm	0	0	0	0	0	0	0	0	0	0	0	0	0
73 cm	48	0	0	0	0	0	0	0	0	0	0	0	48
74 cm	0	0	0	0	26	0	0	0	0	0	0	0	26
TOTAL:	2,125	42,783	18,903	8,353	3,923	4,369	1,672	2,632	6,303	11,434	25,331	26,854	154,682

RAISED CATCH FROM WHICH SAMPLES WERE TAKEN: (Kg)

	A 86	S 86	O 86	N 86	D 86	J 87	F 87	M 87	A 87	M 87	J 87	J 87	TOTAL
RAISED CATCH FROM WHICH SAMPLES WERE TAKEN: (Kg)	7,296	50,244	29,791	14,836	7,428	11,081	4,058	8,082	15,661	19,298	48,682	51,625	268,082
NUMBER OF FISH MEASURED:	44	493	321	295	150	83	75	84	217	237	220	283	2,502
WEIGHT OF FISH MEASURED: (Kg)	151	579	506	522	284	211	182	258	539	398	442	544	4,616

INTERVAL	A 87	S 87	O 87	N 87	D 87	J 88	F 88	M 88	A 88	M 88	J 88	J 88	TOTAL
23 cm	0	90	0	0	0	0	0	0	0	0	0	0	90
24 cm	0	0	0	0	0	0	0	0	0	10	0	0	10
25 cm	0	0	0	0	0	0	0	0	0	0	0	0	0
26 cm	106	269	0	110	0	0	0	0	0	21	0	0	506
27 cm	106	628	0	0	0	0	0	0	0	31	31	38	834
28 cm	634	1,077	84	0	0	0	0	0	0	21	31	0	1,847
29 cm	740	897	336	0	0	0	0	20	0	0	94	0	2,087
30 cm	1,480	987	168	497	0	0	0	60	0	10	0	0	3,202
31 cm	211	1,256	420	387	0	0	0	40	0	10	31	0	2,355
32 cm	106	628	420	166	36	74	42	0	0	0	31	0	1,503
33 cm	106	359	336	166	109	517	42	0	0	0	63	0	1,698
34 cm	106	0	84	0	0	370	42	0	0	0	63	0	665
35 cm	317	179	84	0	0	148	125	20	0	21	0	76	970
36 cm	423	0	0	55	36	444	125	20	0	52	0	38	1,193
37 cm	317	179	0	110	36	517	83	20	36	83	0	38	1,419
38 cm	423	0	84	221	73	591	291	60	0	21	0	38	1,802
39 cm	106	90	84	110	0	517	125	60	0	21	94	76	1,283
40 cm	106	90	0	0	73	739	291	0	0	0	31	76	1,406
41 cm	0	449	0	0	0	370	208	80	72	31	31	0	1,241
42 cm	106	90	84	0	0	296	249	0	0	31	0	0	856
43 cm	0	90	252	0	0	74	83	0	36	31	94	114	774
44 cm	0	179	84	0	0	74	83	0	72	10	0	76	578
45 cm	106	269	168	0	73	148	83	0	72	0	63	76	1,058
46 cm	211	179	505	0	73	296	125	20	72	10	63	0	1,554
47 cm	317	987	420	0	36	591	166	20	107	42	0	76	2,762
48 cm	529	1,077	0	0	36	591	166	20	179	21	63	76	2,758
49 cm	529	808	252	0	36	517	249	100	286	10	94	0	2,881
50 cm	952	269	84	55	73	739	125	20	251	10	126	76	2,780
51 cm	740	628	168	166	73	591	541	100	394	21	126	38	3,586
52 cm	740	90	84	55	145	1,109	291	100	215	31	63	0	2,923
53 cm	1,057	538	84	55	36	517	249	60	143	52	31	0	2,822
54 cm	952	808	168	276	73	444	748	240	206	42	126	76	4,239
55 cm	740	359	84	0	73	444	291	40	72	62	176	38	2,329
56 cm	1,269	449	252	0	109	739	499	200	537	31	31	76	4,192
57 cm	846	449	252	166	109	444	665	100	430	10	63	76	3,610
58 cm	740	90	0	0	73	517	374	100	537	42	0	38	2,511
59 cm	106	179	0	110	0	296	83	40	143	10	31	38	1,036
60 cm	634	359	0	331	36	296	208	60	36	31	0	76	2,067
61 cm	106	269	84	55	36	0	208	20	36	0	0	0	814
62 cm	0	0	84	110	36	148	42	0	0	0	0	0	420
63 cm	106	179	168	0	36	0	42	60	0	0	0	0	591
64 cm	106	359	0	0	36	0	125	40	0	10	0	0	676
65 cm	0	90	0	0	0	0	83	40	36	0	0	0	249
66 cm	0	0	0	0	0	0	42	20	0	0	0	0	62
67 cm	0	90	0	0	0	0	0	0	0	0	0	0	90
...	0	0	0	0	0	0	0	0	0	0	0	0	0
71 cm	106	0	0	0	0	0	0	0	0	0	0	0	106
...	0	0	0	0	0	0	0	0	0	0	0	0	0
81 cm	106	0	0	0	0	0	0	0	0	0	0	0	106
...	0	0	0	0	0	0	0	0	0	0	0	0	0
88 cm	0	0	0	0	0	0	0	0	36	0	0	0	36
TOTAL:	16,391	16,062	5,377	3,201	1,561	13,158	7,194	1,780	4,084	839	1,600	1,330	72,577

	A 87	S 87	O 87	N 87	D 87	J 88	F 88	M 88	A 88	M 88	J 88	J 88	TOTAL
RAISED CATCH FROM WHICH SAMPLES WERE TAKEN: (Kg)	34,157	27,101	8,998	5,580	3,591	26,464	17,506	4,518	11,097	1,537	2,955	2,622	146,126
NUMBER OF FISH MEASURED:	155	179	64	58	43	178	173	89	115	81	51	35	1,221
WEIGHT OF FISH MEASURED: (Kg)	323	302	107	101	99	358	421	226	310	148	94	69	2,558

SIZE FREQUENCY DISTRIBUTION

3.3 Kawakawa

3.3.3 Beruwala

INTERVAL	A 86	S 86	O 86	N 86	D 86	J 87	F 87	M 87	A 87	M 87	J 87	J 87	TOTAL
26 cm:	558	0	105	169	0	52	0	0	0	0	0	0	884
27 cm:	838	0	105	169	0	0	0	0	0	0	0	0	1,112
28 cm:	1,396	255	315	846	0	52	0	0	0	0	0	0	2,864
29 cm:	3,909	1,020	367	1,353	0	13	0	0	0	0	34	0	6,696
30 cm:	8,377	2,039	262	2,875	0	26	0	85	534	0	17	0	14,215
31 cm:	8,656	255	210	2,199	0	26	15	106	876	21	0	0	12,364
32 cm:	15,637	4,589	1,522	4,651	336	13	30	191	491	0	50	0	27,510
33 cm:	11,728	4,334	892	3,467	192	0	15	85	406	42	17	28	21,206
34 cm:	16,195	19,375	2,152	6,511	959	39	61	85	577	0	34	28	46,016
35 cm:	7,260	5,354	1,785	5,158	336	0	30	169	235	169	84	253	20,833
36 cm:	6,981	24,473	3,150	5,243	1,151	26	30	21	43	401	151	337	42,007
37 cm:	1,396	7,648	2,100	2,621	240	0	76	21	235	148	218	393	15,096
38 cm:	6,143	21,159	4,567	4,059	720	13	107	212	299	465	369	731	38,844
39 cm:	1,955	5,354	3,517	1,522	0	0	122	64	43	296	286	225	13,384
40 cm:	3,351	14,276	2,520	3,129	96	0	107	148	235	85	369	759	25,075
41 cm:	4,188	6,373	577	1,015	144	0	122	0	0	85	302	618	13,424
42 cm:	1,675	7,138	157	1,438	48	0	213	0	0	42	286	197	11,194
43 cm:	279	3,569	105	846	0	26	107	0	0	85	118	112	5,247
44 cm:	0	2,549	210	1,099	0	13	46	0	0	63	0	28	4,008
45 cm:	0	1,785	210	423	48	39	76	0	0	21	17	56	2,675
46 cm:	0	765	105	930	48	39	61	0	0	0	0	0	1,948
47 cm:	838	255	157	254	48	13	15	0	0	21	0	0	1,601
48 cm:	279	255	262	846	144	13	46	0	0	0	0	0	1,845
49 cm:	558	0	52	254	48	13	46	0	0	0	0	0	971
50 cm:	2,792	0	525	846	144	26	0	0	0	0	0	0	4,333
51 cm:	1,117	510	52	254	48	0	61	0	0	0	0	0	2,042
52 cm:	2,792	0	210	169	96	0	46	0	0	0	0	0	3,313
53 cm:	1,955	510	0	169	192	0	15	0	0	0	0	0	2,841
54 cm:	1,675	510	315	85	0	0	15	0	0	0	0	0	2,600
55 cm:	279	0	105	0	0	0	15	0	0	0	0	0	399
56 cm:	1,117	255	52	85	0	0	0	0	0	0	0	0	1,509
57 cm:	1,117	0	0	0	0	0	0	0	0	0	0	0	1,117
58 cm:	1,396	255	105	0	0	0	15	0	0	0	0	0	1,771
59 cm:	838	0	52	0	0	0	0	0	0	0	0	0	890
60 cm:	838	0	157	85	0	0	0	0	0	0	0	0	1,080
61 cm:	0	0	0	0	0	0	0	0	0	0	0	0	0
62 cm:	0	0	52	0	0	0	0	0	0	0	0	0	52
63 cm:	838	0	52	0	0	0	0	0	0	0	0	0	890
64 cm:	0	0	0	0	0	0	0	0	0	0	0	0	0
65 cm:	0	0	52	0	48	0	0	0	0	0	0	0	100
66 cm:	0	0	0	0	0	0	0	0	0	0	0	0	0
67 cm:	0	0	0	0	0	0	0	0	0	0	0	0	0
68 cm:	279	0	0	0	0	0	0	0	0	0	0	0	279
69 cm:	0	0	0	85	0	0	0	0	0	0	0	0	85
70 cm:	0	0	0	0	0	0	0	0	0	0	0	0	0
71 cm:	0	0	0	0	48	0	0	0	0	0	0	0	48
TOTAL:	119,230	134,860	27,133	52,855	5,134	442	1,492	1,187	3,974	1,944	2,352	3,765	354,368
RAISED CATCH FROM WHICH SAMPLES WERE TAKEN: (Kg)													
	125,654	152,002	28,558	49,224	5,837	457	2,075	973	2,784	1,965	2,527	4,108	376,164
NUMBER OF FISH MEASURED:													
	427	529	522	625	107	34	98	56	186	92	140	134	2,950
WEIGHT OF FISH MEASURED: (Kg)													
	450	523	544	581	122	35	136	45	130	93	151	143	2,953

INTERVAL	A 87	S 87	O 87	N 87	D 87	J 88	F 88	M 88	A 88	M 88	J 88	J 88	TOTAL
30 cm:	0	0	0	0	20	0	0	48	0	25	127	0	220
31 cm:	0	0	0	0	10	0	0	0	0	13	0	0	23
32 cm:	0	0	0	0	10	0	0	16	0	13	127	0	166
33 cm:	19	19	0	0	29	0	0	16	78	13	127	26	327
34 cm:	19	19	0	38	20	0	0	0	0	0	63	0	159
35 cm:	94	252	115	114	98	54	0	16	235	0	63	53	1,094
36 cm:	94	252	404	216	20	36	0	48	157	0	127	0	1,354
37 cm:	150	233	269	445	10	27	0	0	0	0	0	53	1,187
38 cm:	375	641	481	254	88	89	30	112	235	63	63	53	2,484
39 cm:	375	408	558	216	29	9	0	0	0	51	63	0	1,709
40 cm:	693	466	289	178	156	89	30	32	157	177	571	159	2,997
41 cm:	375	330	327	89	68	54	0	16	0	127	127	79	1,592
42 cm:	712	330	712	178	98	18	15	16	0	139	254	106	2,578
43 cm:	281	233	38	25	98	62	91	48	235	63	634	53	1,861
44 cm:	131	58	38	0	10	9	15	16	0	89	0	53	419
45 cm:	262	272	0	0	322	143	152	128	157	152	507	132	2,227
46 cm:	56	58	0	0	29	45	30	80	0	13	63	26	400
47 cm:	0	58	0	0	68	27	30	0	0	38	0	0	221
48 cm:	0	78	0	0	205	152	76	112	157	63	380	53	1,276
49 cm:	0	0	0	0	88	27	45	0	0	13	190	0	363
50 cm:	0	97	0	0	98	116	30	64	235	13	380	106	1,139
51 cm:	0	19	0	0	117	45	61	16	78	0	190	79	605
52 cm:	0	19	0	0	0	0	15	16	78	0	63	0	191
53 cm:	0	39	0	0	68	36	45	16	78	0	63	0	345
54 cm:	0	0	0	0	0	0	0	0	0	0	0	0	0
55 cm:	0	0	0	0	10	9	45	0	78	0	63	26	231
56 cm:	0	0	0	0	0	9	0	0	0	0	0	0	9
57 cm:	0	0	0	0	20	0	0	0	0	0	0	0	20
58 cm:	0	0	0	0	0	0	0	0	0	13	127	0	140
59 cm:	0	0	0	0	0	0	0	0	0	0	0	0	0
60 cm:	0	0	0	0	0	0	0	0	0	0	127	0	127
61 cm:	0	0	0	0	0	0	0	0	0	0	63	0	63
62 cm:	0	0	0	0	0	0	0	0	0	0	0	0	0
63 cm:	0	0	0	0	0	0	0	0	0	0	63	0	63
64 cm:	0	0	0	0	0	0	0	0	0	0	0	0	0
65 cm:	0	0	0	0	0	0	0	0	0	0	63	0	63
TOTAL:	3,636	3,881	3,231	1,753	1,789	1,056	710	816	1,958	1,078	4,688	1,057	25,653
RAISED CATCH FROM WHICH SAMPLES WERE TAKEN: (Kg)													
	6,191	4,669	3,498	1,785	2,760	1,685	1,320	1,215	3,063	1,634	8,351	1,674	37,845
NUMBER OF FISH MEASURED:													
	195	200	168	138	183	118	47	51	25	85	74	40	1,324
WEIGHT OF FISH MEASURED: (Kg)													
	331	239	182	140	285	186	86	75	38	117	129	60	1,868

3.3 Kawakawa

3.3.4 3 sites combined

INTERVAL	A 86	S 86	O 86	N 86	D 86	J 87	F 87	M 87	A 87	M 87	J 87	J 87	TOTAL
21 cm:	0	0	0	28	0	0	0	0	0	0	0	0	28
22 cm:	0	87	0	28	0	0	0	0	0	48	0	0	163
23 cm:	0	87	0	57	73	0	0	0	0	48	0	0	265
24 cm:	0	0	0	28	0	0	0	0	87	97	0	0	212
25 cm:	0	87	0	0	0	0	0	0	29	242	0	0	358
26 cm:	558	260	385	197	0	52	0	0	0	582	0	0	2,034
27 cm:	838	174	238	226	0	0	0	0	0	533	220	0	2,229
28 cm:	1,396	1,383	507	846	73	52	0	0	0	388	330	95	5,070
29 cm:	3,909	2,842	867	1,381	0	13	39	0	0	157	144	95	9,447
30 cm:	8,377	3,341	909	3,057	146	202	52	85	534	122	237	330	17,392
31 cm:	8,656	2,138	1,137	2,256	125	149	32	106	876	203	220	190	16,088
32 cm:	15,637	7,006	2,022	4,890	487	277	75	191	549	12	160	628	31,934
33 cm:	11,728	6,646	2,186	3,694	708	193	37	85	557	237	568	643	27,282
34 cm:	16,195	22,988	2,917	6,682	1,502	215	61	85	631	135	254	841	52,506
35 cm:	7,260	7,366	2,742	5,272	1,066	53	69	169	452	670	84	1,612	26,815
36 cm:	6,981	30,095	4,533	5,385	1,428	96	30	21	562	939	922	1,886	52,878
37 cm:	1,396	10,780	5,557	2,962	934	264	115	21	411	634	1,209	1,350	25,633
38 cm:	6,143	25,293	8,127	4,667	1,399	101	141	243	1,145	1,282	2,131	2,623	53,295
39 cm:	1,955	8,391	6,048	2,130	737	123	174	95	454	772	1,828	816	23,523
40 cm:	3,351	15,386	4,286	3,612	279	35	210	211	750	793	2,572	2,892	34,377
41 cm:	4,188	8,530	2,682	1,413	510	123	211	0	263	790	1,293	1,444	21,447
42 cm:	1,820	8,981	1,364	1,665	179	35	235	0	475	359	837	825	16,775
43 cm:	563	4,671	870	1,159	256	26	174	63	346	230	228	1,047	9,633
44 cm:	139	2,983	269	1,156	131	64	108	0	601	355	551	751	7,110
45 cm:	0	2,132	740	480	220	197	115	0	141	21	347	1,290	5,683
46 cm:	464	1,806	517	1,271	153	92	123	31	238	97	551	664	6,007
47 cm:	838	589	334	282	226	171	134	268	637	410	220	1,446	5,555
48 cm:	556	1,023	792	1,130	316	171	63	63	166	219	881	1,482	6,862
49 cm:	558	260	420	510	220	118	113	142	195	207	881	781	4,405
50 cm:	2,931	174	717	931	144	79	39	94	217	97	771	759	6,953
51 cm:	1,304	1,291	833	567	48	158	123	85	285	73	661	664	6,092
52 cm:	2,840	334	755	595	122	210	113	31	137	339	441	1,008	6,925
53 cm:	2,197	944	810	737	349	420	201	147	338	206	771	1,234	8,354
54 cm:	1,772	1,638	551	523	105	455	286	264	637	776	1,432	1,234	9,673
55 cm:	327	161	399	171	105	315	183	179	407	388	1,322	854	4,811
56 cm:	1,262	949	935	511	131	368	253	523	805	533	1,432	1,803	9,505
57 cm:	1,214	521	441	256	157	263	231	484	769	679	1,432	949	7,396
58 cm:	1,541	776	473	171	52	263	257	179	697	824	991	854	7,078
59 cm:	983	347	229	57	78	158	56	170	291	194	661	474	3,698
60 cm:	886	0	157	142	105	158	62	85	262	97	441	474	2,869
61 cm:	48	434	294	28	105	35	39	125	58	48	110	285	1,609
62 cm:	48	174	170	57	78	0	0	0	0	0	330	0	857
63 cm:	935	0	52	57	26	105	0	63	0	0	0	95	1,333
64 cm:	145	87	59	28	0	53	0	0	29	0	0	0	401
65 cm:	0	0	52	0	74	53	22	0	29	0	0	0	230
66 cm:	48	0	59	0	52	0	0	0	0	0	0	0	159
67 cm:	97	0	0	0	0	0	0	0	0	0	220	95	412
68 cm:	327	0	0	0	0	53	0	0	0	0	0	95	475
69 cm:	48	87	0	113	0	0	0	0	0	0	0	0	248
70 cm:	0	0	0	0	0	0	0	0	0	0	0	0	0
71 cm:	97	0	0	0	74	0	0	0	0	0	0	0	171
72 cm:	0	0	0	0	0	0	0	0	0	0	0	0	0
73 cm:	48	0	0	0	0	0	0	0	0	0	0	0	48
74 cm:	0	0	0	0	26	0	0	0	0	0	0	0	26
TOTAL:	122,604	183,242	57,435	61,408	12,999	5,970	4,176	4,308	15,060	14,836	27,683	34,608	544,329
RAISED CATCH FROM WHICH SAMPLES WERE TAKEN: (Kg)													
	135,164	207,474	68,655	64,298	16,846	12,593	8,370	10,281	24,097	22,813	51,209	59,660	681,460
NUMBER OF FISH MEASURED:													
	480	1,098	998	925	311	150	232	162	593	446	360	485	6,240
WEIGHT OF FISH MEASURED: (Kg)													
	617	1,173	1,190	1,109	455	276	448	358	943	618	593	754	8,534

INTERVAL	A 87	S 87	O 87	N 87	D 87	J 88	F 88	M 88	A 88	M 88	J 88	J 88	TOTAL
23 cm:	0	90	0	0	0	57	0	0	0	0	0	0	147
24 cm:	0	0	56	0	0	29	77	0	0	10	0	0	172
25 cm:	0	0	56	69	178	0	77	0	49	0	0	0	429
26 cm:	106	269	451	317	535	115	155	95	49	28	0	235	2,355
27 cm:	106	659	846	300	653	487	464	152	65	31	70	508	4,341
28 cm:	659	1,201	1,888	853	713	401	774	190	179	21	136	763	7,778
29 cm:	790	1,082	3,719	507	1,247	458	1,160	153	195	7	173	587	10,078
30 cm:	1,530	1,698	3,100	1,257	614	315	1,702	222	81	35	206	939	11,699
31 cm:	310	1,534	1,322	525	604	258	774	116	81	23	57	763	6,367
32 cm:	304	968	1,830	327	462	189	738	35	0	13	276	352	5,494
33 cm:	348	780	1,238	396	435	946	1,280	54	111	13	229	496	6,326
34 cm:	447	854	817	268	436	685	738	19	0	0	218	528	5,010
35 cm:	634	616	594	252	454	488	821	55	235	21	181	305	4,656
36 cm:	765	839	742	363	175	967	1,053	68	157	52	232	449	5,862
37 cm:	616	752	833	693	284	773	934	20	36	83	39	267	5,330
38 cm:	1,318	1,105	903	498	280	1,024	863	191	235	84	115	150	6,766
39 cm:	531	653	811	395	326	583	357	60	0	72	209	76	4,073
40 cm:	1,047	741	458	247	348	885	398	32	157	177	654	235	5,379
41 cm:	548	995	553	135	365	567	595	96	72	158	210	138	4,432
42 cm:	868	513	796	178	157	400	496	16	0	170	346	106	4,046
43 cm:	355	508	290	25	157	251	329	48	271	94	741	226	3,295
44 cm:	354	330	291	0	188	140	330	16	72	99	52	129	2,001
45 cm:	442	541	168	0	395	348	390	128	229	152	609	267	3,669
46 cm:	317	299	561	0	102	370	232	100	72	23	178	26	2,280
47 cm:	441	1,447	871	0	163	761	273	20	107	80	52	76	4,291
48 cm:	529	1,371	113	0	241	800	242	132	336	84	456	129	4,433
49 cm:	579	963	308	0	124	573	294	100	286	23	284	0	3,534
50 cm:	1,051	521	84	55	171	855	155	84	486	23	506	182	4,173
51 cm:	839	771	394	166	190	665	602	116	472	21	342	117	4,695
52 cm:	740	140	84	55	145	1,138	306	116	293	31	126	0	3,174
53 cm:	1,057	577	140	55	104	582	294	76	221	52	120	0	3,278
54 cm:	1,002	901	168	276	73	444	748	240	286	42	152	76	4,408
55 cm:	740	359	84	0	83	453	336	40	150	62	189	64	2,560
56 cm:	1,269	449	308	0	109	777	499	200	537	31	57	76	4,312
57 cm:	920	480	252	166	129	473	665	100	430	10	63	76	3,764
58 cm:	790	90	0	0	73	546	374	100	537	55	127	38	2,730
59 cm:	131	179	56	110	0	296	83	40	143	10	31	38	1,117
60 cm:	634	359	0	331	36	296	208	60	36	31	127	76	2,194
61 cm:	106	269	84	55	36	0	208	20	36	0	63	0	877
62 cm:	0	0	84	110	36	148	42	0	0	0	0	0	420
63 cm:	106	179	168	0	36	29	42	60	0	0	63	0	683
64 cm:	106	359	0	0	36	0	125	40	0	10	0	0	676
65 cm:	0	90	0	0	0	0	83	40	36	0	63	0	312
66 cm:	0	0	0	0	0	29	42	20	0	0	0	0	91
67 cm:	0	90	0	0	0	57	0	0	0	0	0	0	147
68 cm:	0	0	0	0	0	0	0	0	0	0	0	0	0
69 cm:	0	0	0	0	0	0	0	0	0	0	0	0	0
70 cm:	0	0	0	0	0	29	0	0	0	0	0	0	29
71 cm:	106	0	0	0	0	0	0	0	0	0	0	0	106
... cm:	0	0	0	0	0	0	0	0	0	0	0	0	0
81 cm:	106	0	0	0	0	0	0	0	0	0	0	0	106
...	0	0	0	0	0	0	0	0	0	0	0	0	0
88 cm:	0	0	0	0	0	0	0	0	36	0	0	0	36
TOTAL:	23,647	26,621	25,521	8,984	10,893	19,687	20,358	3,470	6,774	1,931	7,752	8,493	164,131
RAISED CATCH FROM WHICH SAMPLES WERE TAKEN: (Kg)													
	44,376	37,592	23,622	9,508	10,978	33,571	27,187	6,145	14,464	3,178	12,798	8,202	231,621
NUMBER OF FISH MEASURED:													
	496	595	532	371	353	487	381	186	185	168	237	179	4,170
WEIGHT OF FISH MEASURED: (Kg)													
	822	766	486	334	462	718	671	322	367	266	339	188	5,691

SIZE FREQUENCY DISTRIBUTION

3.4 Frigate tuna

3.4.1 Kandakuliya

INTERVAL	A 86	S 86	O 86	N 86	D 86	J 87	F 87	M 87	A 87	M 87	J 87	J 87	TOTAL
23 cm:	0	0	0	0	0	0	0	0	0	51	0	0	51
24 cm:	0	0	0	0	0	39	111	0	84	331	51	247	863
25 cm:	0	214	269	0	134	0	0	0	0	153	0	186	956
26 cm:	0	642	358	0	269	117	777	0	378	688	0	680	3,909
27 cm:	0	1,498	627	0	269	235	333	0	252	535	102	186	4,037
28 cm:	426	2,569	896	0	269	392	555	0	378	484	152	928	7,049
29 cm:	0	856	1,522	0	269	313	111	0	42	306	102	186	3,707
30 cm:	213	428	2,418	0	134	627	333	0	42	127	51	62	4,435
31 cm:	0	428	1,702	0	807	509	0	0	0	102	51	0	3,599
32 cm:	213	1,498	985	0	941	274	0	0	0	0	0	0	3,911
33 cm:	213	214	448	0	1,344	196	111	0	0	0	0	0	2,526
34 cm:	0	642	269	267	672	274	0	0	0	0	0	0	2,124
35 cm:	0	214	0	0	269	39	0	0	0	0	0	0	522
36 cm:	0	428	0	89	134	274	0	0	0	0	0	0	925
37 cm:	426	214	0	0	134	157	0	0	0	0	0	0	931
38 cm:	213	642	0	0	0	39	0	0	0	0	0	0	894
39 cm:	0	0	0	0	0	0	0	0	0	0	0	0	0
40 cm:	213	214	0	0	134	0	0	0	0	0	0	0	561
41 cm:	213	0	0	0	0	0	0	0	0	0	0	0	213
42 cm:	426	214	0	0	0	0	0	0	42	0	0	0	682
43 cm:	639	0	0	0	0	0	0	0	0	0	0	0	639
44 cm:	426	0	0	0	0	0	0	0	42	0	0	0	468
45 cm:	0	0	0	0	0	0	0	0	0	0	0	0	0
46 cm:	426	0	0	0	0	0	0	0	0	0	0	0	426
47 cm:	213	0	0	0	0	0	0	0	42	0	0	0	255
48 cm:	0	0	0	0	0	0	0	0	0	0	0	0	0
49 cm:	0	0	0	0	0	0	0	0	0	0	0	0	0
50 cm:	0	0	0	0	0	0	0	0	42	0	0	0	42
51 cm:	0	0	0	0	0	0	0	0	42	0	0	0	42
52 cm:	0	0	0	0	0	0	0	0	0	0	0	0	0
53 cm:	213	0	0	0	0	0	0	0	0	0	0	0	213
...	0	0	0	0	0	0	0	0	0	0	0	0	0
63 cm:	213	0	0	0	0	0	0	0	0	0	0	0	213
64 cm:	213	0	0	0	0	0	0	0	0	0	0	0	213
65 cm:	0	0	0	0	0	0	0	0	0	0	0	0	0
66 cm:	213	0	0	0	0	0	0	0	0	0	0	0	213
TOTAL:	5,112	10,915	9,494	356	5,779	3,485	2,331	0	1,386	2,777	509	2,475	44,619
RAISED CATCH FROM WHICH SAMPLES WERE TAKEN: (Kg)													
	7,882	5,137	8,520	267	3,095	1,723	778	92	491	805	196	804	29,790
NUMBER OF FISH MEASURED:													
	24	51	106	4	43	89	21	0	33	109	10	40	530
WEIGHT OF FISH MEASURED: (Kg)													
	37	24	95	3	23	44	7	0	18	36	4	13	304

INTERVAL	A 87	S 87	O 87	N 87	D 87	J 88	F 88	M 88	A 88	M 88	J 88	J 88	TOTAL
21 cm:	0	0	0	0	87	34	0	0	0	0	0	0	121
22 cm:	0	0	0	0	87	34	50	0	0	0	0	0	171
23 cm:	0	159	464	226	1,473	573	248	0	0	0	0	0	3,143
24 cm:	31	716	6,847	603	1,820	505	497	0	0	0	0	0	11,019
25 cm:	0	875	4,410	226	1,473	606	447	0	0	0	0	125	8,162
26 cm:	92	1,193	5,686	226	867	808	596	0	11	0	0	125	9,604
27 cm:	123	795	1,509	75	867	337	298	0	0	0	0	125	4,129
28 cm:	153	954	3,365	75	347	34	248	0	11	0	0	188	5,375
29 cm:	61	239	1,160	0	87	0	149	0	11	0	0	125	1,832
30 cm:	92	318	348	0	0	0	99	0	11	0	0	125	993
31 cm:	61	80	116	0	0	0	99	0	0	0	0	63	419
32 cm:	31	0	232	0	0	0	0	0	0	0	0	0	263
33 cm:	0	0	0	0	0	0	50	0	0	0	0	63	113
TOTAL:	644	5,329	24,137	1,431	7,108	2,931	2,781	0	44	0	0	939	45,344
RAISED CATCH FROM WHICH SAMPLES WERE TAKEN: (Kg)													
	222	1,344	7,090	339	1,817	806	753	0	20	0	26	424	12,841
NUMBER OF FISH MEASURED:													
	21	67	208	38	82	87	56	0	4	0	0	15	578
WEIGHT OF FISH MEASURED: (Kg)													
	8	21	61	9	21	22	16	0	2	0	0	6	166

SIZE FREQUENCY DISTRIBUTION

3.4 Frigate tuna

3.4.2 Negombo

INTERVAL	A 86	S 86	O 86	N 86	D 86	J 87	F 87	M 87	A 87	M 87	J 87	J 87	TOTAL
15 cm:	124	0	0	0	0	0	0	0	0	0	0	0	124
16 cm:	185	0	0	0	0	0	0	0	0	0	114	0	299
17 cm:	62	0	0	0	0	0	0	0	0	0	0	0	62
18 cm:	247	0	0	0	0	0	0	0	0	0	0	0	247
19 cm:	62	0	0	0	0	0	0	0	0	0	114	0	176
20 cm:	0	0	0	0	0	0	0	0	0	34	0	0	34
21 cm:	0	77	0	0	0	0	0	0	0	34	114	0	225
22 cm:	0	77	0	0	0	0	0	0	0	68	114	0	259
23 cm:	0	77	63	0	0	0	0	0	14	101	342	0	597
24 cm:	0	155	0	0	0	0	0	0	0	135	228	206	724
25 cm:	0	155	0	0	0	0	0	0	0	68	114	0	337
26 cm:	0	464	63	0	0	0	0	0	0	101	228	0	856
27 cm:	0	541	188	0	0	0	0	0	0	34	342	69	1,174
28 cm:	0	1,314	125	79	0	0	0	0	14	34	456	0	2,022
29 cm:	0	3,400	501	436	16	0	0	0	0	34	569	0	4,956
30 cm:	0	1,777	313	119	0	0	5	0	0	0	456	344	3,014
31 cm:	124	3,246	878	635	16	0	10	0	0	0	114	412	5,435
32 cm:	62	3,091	689	238	0	0	0	5	0	0	114	550	4,749
33 cm:	124	2,241	689	516	81	0	0	11	28	0	0	619	4,309
34 cm:	124	2,859	313	238	32	0	0	0	28	34	342	687	4,657
35 cm:	62	1,468	188	40	0	0	0	0	56	68	114	412	2,408
36 cm:	62	4,559	439	159	113	0	0	0	42	169	683	1,375	7,601
37 cm:	124	2,009	815	79	32	0	0	0	42	270	1,708	687	5,766
38 cm:	62	2,396	501	119	65	0	0	0	167	270	3,872	2,199	9,651
39 cm:	62	2,318	627	40	16	0	0	5	84	203	3,189	3,230	9,774
40 cm:	0	386	251	0	0	0	0	0	42	101	2,050	2,199	5,029
41 cm:	0	696	439	0	0	0	0	0	98	34	2,392	1,306	4,965
42 cm:	124	541	251	0	0	0	0	0	14	0	1,253	1,375	3,558
43 cm:	62	232	188	0	0	0	0	0	28	0	342	206	1,058
44 cm:	124	77	63	0	0	0	0	0	0	0	114	275	653
45 cm:	62	77	63	0	0	0	0	0	14	0	0	69	285
46 cm:	247	232	125	0	0	0	0	0	0	0	0	0	604
47 cm:	247	464	0	0	0	0	0	0	0	0	0	69	780
48 cm:	124	0	0	0	0	0	0	0	0	0	114	137	375
49 cm:	371	386	0	0	0	0	0	0	0	0	0	0	757
50 cm:	185	0	0	0	0	0	0	0	0	0	0	0	185
51 cm:	371	155	0	0	0	0	0	0	0	0	0	0	526
52 cm:	371	0	0	0	0	0	0	0	0	0	0	0	371
53 cm:	618	0	0	0	0	0	0	0	0	0	0	0	618
54 cm:	371	77	0	0	0	0	0	0	0	0	0	0	448
55 cm:	371	0	0	0	0	0	0	0	0	0	0	0	371
56 cm:	247	77	0	0	0	0	0	0	0	0	0	0	324
57 cm:	185	0	0	0	0	0	0	0	28	0	0	0	213
58 cm:	62	0	0	0	0	0	0	0	14	0	0	0	76
59 cm:	62	0	0	0	0	0	0	0	0	0	0	0	62
60 cm:	62	0	0	0	0	0	0	0	0	0	0	0	62
61 cm:	0	77	0	0	0	0	0	0	0	0	0	0	77
62 cm:	62	0	0	0	0	0	0	0	0	0	0	0	62
TOTAL:	5,814	35,701	7,772	2,698	371	0	15	21	713	1,792	19,592	16,426	90,915
RAISED CATCH FROM WHICH SAMPLES WERE TAKEN: (Kg)													
	10,880	25,270	5,892	1,547	275	0	5	16	767	1,216	17,539	15,602	79,009
NUMBER OF FISH MEASURED:													
	94	452	124	68	23	0	3	4	51	52	172	239	1,282
WEIGHT OF FISH MEASURED: (Kg)													
	176	327	94	39	17	0	1	3	55	36	154	227	1,129

INTERVAL	A 87	S 87	O 87	N 87	D 87	J 88	F 88	M 88	A 88	M 88	J 88	J 88	TOTAL
20 cm:	80	0	0	0	0	0	0	0	0	0	0	0	80
21 cm:	0	64	0	0	0	0	0	0	0	39	285	0	388
22 cm:	0	0	0	0	0	0	0	0	0	0	0	0	0
23 cm:	0	0	0	0	0	0	0	0	0	39	664	0	703
24 cm:	80	127	0	0	0	0	0	0	0	0	380	0	587
25 cm:	80	127	0	0	0	0	0	0	0	79	569	0	855
26 cm:	161	382	0	0	0	0	0	0	0	157	854	0	1,554
27 cm:	322	255	0	0	165	0	0	0	0	236	475	0	1,453
28 cm:	402	892	0	0	55	0	0	0	0	590	569	0	2,508
29 cm:	402	764	0	0	110	0	0	0	0	472	569	0	2,317
30 cm:	241	573	0	0	0	0	0	0	0	0	95	0	909
31 cm:	161	1,210	0	0	0	0	0	0	0	79	380	0	1,830
32 cm:	80	573	0	0	0	0	0	0	0	79	190	0	922
33 cm:	402	573	0	0	0	0	0	0	0	0	0	0	975
34 cm:	161	191	0	0	0	0	0	0	0	0	95	0	447
35 cm:	241	191	0	0	55	0	0	0	0	0	95	0	582
36 cm:	161	0	0	0	0	0	0	0	0	157	95	0	413
37 cm:	0	0	0	0	110	0	0	0	0	157	0	0	267
38 cm:	161	64	0	0	110	0	0	0	0	79	190	0	604
39 cm:	80	127	0	0	55	0	0	0	0	0	95	0	357
40 cm:	161	318	0	0	110	0	0	0	0	157	0	0	746
41 cm:	0	191	0	0	165	0	0	0	0	79	0	0	435
42 cm:	0	64	0	0	0	0	0	0	0	118	0	0	182
43 cm:	0	64	0	0	55	0	0	0	0	118	0	0	237
44 cm:	0	0	0	0	0	0	0	0	0	0	0	0	0
45 cm:	161	0	0	0	55	0	0	0	0	0	0	0	216
46 cm:	161	0	0	0	55	0	0	0	0	0	0	0	216
47 cm:	0	0	0	0	55	0	0	0	0	39	0	0	94
48 cm:	80	0	0	0	0	0	0	0	0	0	0	0	80
TOTAL:	3,778	6,750	0	0	1,155	0	0	0	0	2,674	5,600	0	19,957
RAISED CATCH FROM WHICH SAMPLES WERE TAKEN: (Kg)													
	2,492	3,630	0	0	1,103	0	0	0	0	1,613	2,088	751	11,677
NUMBER OF FISH MEASURED:													
	47	106	0	0	21	0	0	0	0	68	59	0	301
WEIGHT OF FISH MEASURED: (Kg)													
	31	57	0	0	20	0	0	0	0	41	22	0	171

SIZE FREQUENCY DISTRIBUTION

3.4 Frigate tuna

3.4.3 Beruwala

INTERVAL	A 86	S 86	O 86	N 86	D 86	J 87	F 87	M 87	A 87	M 87	J 87	J 87	TOTAL
20 cm:	0	0	0	0	0	14	0	0	0	0	0	0	14
21 cm:	0	0	0	0	0	0	0	0	0	0	0	0	0
22 cm:	0	0	0	0	0	0	0	0	0	0	0	0	0
23 cm:	2,426	0	0	0	0	0	0	0	0	0	0	0	2,426
24 cm:	1,819	0	0	0	0	0	0	0	0	0	0	0	1,819
25 cm:	1,213	0	0	0	0	0	0	0	0	0	0	0	1,213
26 cm:	9,704	1,359	84	75	0	0	0	31	0	0	12	47	11,312
27 cm:	10,917	3,737	84	75	41	0	33	0	0	39	0	235	15,161
28 cm:	20,620	5,776	759	754	82	43	22	31	0	656	246	2,252	31,241
29 cm:	48,519	18,007	2,613	1,509	489	57	65	62	0	405	316	2,722	74,764
30 cm:	49,125	33,976	7,249	3,092	652	128	11	140	149	289	176	1,502	96,489
31 cm:	27,292	16,988	4,973	2,187	245	114	98	140	634	694	328	3,050	56,743
32 cm:	36,389	55,380	9,019	4,601	815	57	54	140	149	328	152	1,267	108,351
33 cm:	2,426	12,571	4,636	1,961	122	14	54	62	895	1,099	398	1,924	26,162
34 cm:	14,556	36,694	5,648	2,112	652	0	22	47	522	791	129	704	61,877
35 cm:	1,213	8,494	843	981	41	0	109	248	1,194	1,003	105	939	15,170
36 cm:	6,671	13,930	337	603	204	0	0	109	1,492	231	12	141	23,730
37 cm:	0	680	0	226	0	0	0	16	1,604	19	0	0	2,545
38 cm:	4,245	2,378	84	75	0	0	11	140	2,685	96	0	0	9,714
39 cm:	606	1,699	0	0	0	0	0	31	37	0	0	0	2,373
40 cm:	2,426	0	0	0	0	0	0	0	0	0	0	0	2,426
41 cm:	0	0	0	0	0	0	0	0	0	19	0	0	19
...	0	0	0	0	0	0	0	0	0	0	0	0	0
61 cm:	0	0	0	0	0	0	0	0	0	0	0	47	47
TOTAL:	240,167	211,669	36,329	18,251	3,343	427	479	1,197	9,361	5,669	1,874	14,830	543,596
RAISED CATCH FROM WHICH SAMPLES WERE TAKEN: (Kg)													
	117,051	143,703	19,893	10,126	1,828	201	262	775	7,286	3,317	968	7,540	312,950
NUMBER OF FISH MEASURED:													
	396	623	431	242	82	30	44	77	251	294	160	316	2,946
WEIGHT OF FISH MEASURED: (Kg)													
	193	371	236	134	45	14	24	49	195	172	83	161	1,677

INTERVAL	A 87	S 87	O 87	N 87	D 87	J 88	F 88	M 88	A 88	M 88	J 88	J 88	TOTAL
27 cm:	0	26	28	21	0	0	0	0	19	45	0	0	139
28 cm:	75	207	57	158	0	0	0	0	38	179	0	12	726
29 cm:	224	544	142	126	0	0	0	0	0	224	0	12	1,272
30 cm:	224	233	28	84	0	0	0	17	76	448	3,730	47	4,887
31 cm:	858	648	199	93	0	0	0	17	19	359	0	12	2,207
32 cm:	933	389	271	105	0	0	0	122	38	359	2,295	12	4,524
33 cm:	1,194	726	242	93	0	0	0	70	0	135	1,435	12	3,909
34 cm:	522	311	185	0	0	0	0	0	0	0	861	0	1,879
35 cm:	1,717	259	114	0	0	0	0	52	0	45	2,009	0	4,196
36 cm:	149	104	14	0	0	0	0	70	0	0	2,582	0	2,919
37 cm:	0	0	14	0	0	0	0	0	0	0	0	0	14
38 cm:	0	0	0	0	0	0	0	0	0	0	0	0	0
39 cm:	0	0	14	0	0	0	0	0	0	0	0	0	14
40 cm:	0	0	0	0	0	0	0	0	0	0	0	0	0
41 cm:	0	0	0	0	0	0	0	0	0	0	0	0	0
42 cm:	0	0	0	0	0	0	0	0	0	0	0	0	0
43 cm:	37	0	0	0	0	0	0	0	0	0	0	0	37
44 cm:	0	0	0	0	0	0	0	0	0	0	0	0	0
45 cm:	37	0	0	0	0	0	0	0	0	0	0	0	37
46 cm:	0	0	0	0	0	0	0	0	0	0	0	0	0
47 cm:	0	0	0	0	0	0	0	0	0	0	0	0	0
48 cm:	75	0	0	0	0	0	0	0	0	0	0	0	75
49 cm:	0	0	0	0	0	0	0	0	0	0	0	0	0
50 cm:	37	0	0	0	0	0	0	0	0	0	0	0	37
TOTAL:	6,082	3,447	1,308	684	0	0	0	348	190	1,794	12,912	107	26,872
RAISED CATCH FROM WHICH SAMPLES WERE TAKEN: (Kg)													
	3,947	1,776	754	316	0	0	0	234	97	939	8,202	50	16,315
NUMBER OF FISH MEASURED:													
	163	133	92	65	0	0	0	20	10	40	45	9	577
WEIGHT OF FISH MEASURED: (Kg)													
	106	68	53	30	0	0	0	13	5	19	28	4	326

SIZE FREQUENCY DISTRIBUTION

3.4 Frigate tuna

3.4.4 3 sites combined

INTERVAL	A 86	S 86	O 86	N 86	D 86	J 87	F 87	M 87	A 87	M 87	J 87	J 87	TOTAL
15 cm:	124	0	0	0	0	0	0	0	0	0	0	0	124
16 cm:	185	0	0	0	0	0	0	0	0	0	114	0	299
17 cm:	62	0	0	0	0	0	0	0	0	0	0	0	62
18 cm:	247	0	0	0	0	0	0	0	0	0	0	0	247
19 cm:	62	0	0	0	0	0	0	0	0	0	114	0	176
20 cm:	0	0	0	0	0	14	0	0	0	34	0	0	48
21 cm:	0	77	0	0	0	0	0	0	0	34	114	0	225
22 cm:	0	77	0	0	0	0	0	0	0	68	114	0	259
23 cm:	2,426	77	63	0	0	0	0	0	14	152	342	0	3,074
24 cm:	1,819	155	0	0	0	39	111	0	84	466	279	453	3,406
25 cm:	1,213	369	269	0	134	0	0	0	0	221	114	186	2,506
26 cm:	9,704	2,465	505	75	269	117	777	31	378	789	240	727	16,077
27 cm:	10,917	5,776	899	75	310	235	366	0	252	608	444	490	20,372
28 cm:	21,046	9,659	1,780	833	351	435	577	31	392	1,174	854	3,180	40,312
29 cm:	48,519	22,263	4,636	1,945	774	370	176	62	42	745	987	2,908	83,427
30 cm:	49,338	36,181	9,980	3,211	786	755	349	140	191	416	683	1,908	103,938
31 cm:	27,416	20,662	7,553	2,822	1,068	623	108	140	634	796	493	3,462	65,777
32 cm:	36,664	59,969	10,693	4,839	1,756	331	54	145	149	328	266	1,817	117,011
33 cm:	2,763	15,026	5,773	2,477	1,547	210	165	73	923	1,099	398	2,543	32,997
34 cm:	14,680	40,195	6,230	2,617	1,356	274	22	47	550	825	471	1,391	68,658
35 cm:	1,275	10,176	1,031	1,021	310	39	109	248	1,250	1,071	219	1,351	18,100
36 cm:	6,733	18,917	776	851	451	274	0	109	1,534	400	695	1,516	32,256
37 cm:	550	2,903	815	305	166	157	0	16	1,646	289	1,708	687	9,242
38 cm:	4,520	5,416	585	194	65	39	11	140	2,852	366	3,872	2,199	20,259
39 cm:	668	4,017	627	40	16	0	0	36	121	203	3,189	3,230	12,147
40 cm:	2,639	600	251	0	134	0	0	0	42	101	2,050	2,199	8,016
41 cm:	213	696	439	0	0	0	0	0	98	53	2,392	1,306	5,197
42 cm:	550	755	251	0	0	0	0	0	56	0	1,253	1,375	4,240
43 cm:	701	232	188	0	0	0	0	0	28	0	342	206	1,697
44 cm:	550	77	63	0	0	0	0	0	42	0	114	275	1,121
45 cm:	62	77	63	0	0	0	0	0	14	0	0	69	285
46 cm:	673	232	125	0	0	0	0	0	0	0	0	0	1,030
47 cm:	460	464	0	0	0	0	0	0	42	0	0	69	1,035
48 cm:	124	0	0	0	0	0	0	0	0	0	114	137	375
49 cm:	371	386	0	0	0	0	0	0	0	0	0	0	757
50 cm:	185	0	0	0	0	0	0	0	42	0	0	0	227
51 cm:	371	155	0	0	0	0	0	0	42	0	0	0	568
52 cm:	371	0	0	0	0	0	0	0	0	0	0	0	371
53 cm:	831	0	0	0	0	0	0	0	0	0	0	0	831
54 cm:	371	77	0	0	0	0	0	0	0	0	0	0	448
55 cm:	371	0	0	0	0	0	0	0	0	0	0	0	371
56 cm:	247	77	0	0	0	0	0	0	0	0	0	0	324
57 cm:	185	0	0	0	0	0	0	0	28	0	0	0	213
58 cm:	62	0	0	0	0	0	0	0	14	0	0	0	76
59 cm:	62	0	0	0	0	0	0	0	0	0	0	0	62
60 cm:	62	0	0	0	0	0	0	0	0	0	0	0	62
61 cm:	0	77	0	0	0	0	0	0	0	0	0	47	124
62 cm:	62	0	0	0	0	0	0	0	0	0	0	0	62
63 cm:	213	0	0	0	0	0	0	0	0	0	0	0	213
64 cm:	213	0	0	0	0	0	0	0	0	0	0	0	213
65 cm:	0	0	0	0	0	0	0	0	0	0	0	0	0
66 cm:	213	0	0	0	0	0	0	0	0	0	0	0	213
TOTAL:	251,093	258,285	53,595	21,305	9,493	3,912	2,825	1,218	11,460	10,238	21,975	33,731	679,130

RAISED CATCH FROM WHICH SAMPLES WERE TAKEN: (Kg)

135,813	174,110	34,305	11,940	5,198	1,924	1,045	883	8,544	5,338	18,703	23,946	421,749

NUMBER OF FISH MEASURED:

514	1,126	661	314	148	119	68	81	335	456	342	595	4,759

WEIGHT OF FISH MEASURED: (Kg)

406	722	425	176	85	58	32	52	268	244	241	401	3,110

INTERVAL	A 87	S 87	O 87	N 87	D 87	J 88	F 88	M 88	A 88	M 88	J 88	J 88	TOTAL
20 cm:	80	0	0	0	0	0	0	0	0	0	0	0	80
21 cm:	0	64	0	0	87	34	0	0	0	39	285	0	509
22 cm:	0	0	0	0	87	34	50	0	0	0	0	0	171
23 cm:	0	159	464	226	1,473	573	248	0	0	39	664	0	3,846
24 cm:	111	843	6,847	603	1,820	505	497	0	0	0	380	0	11,606
25 cm:	80	1,002	4,410	226	1,473	606	447	0	0	79	569	125	9,017
26 cm:	253	1,575	5,686	226	867	808	596	0	11	157	854	125	11,158
27 cm:	445	1,076	1,537	96	1,032	337	298	0	19	281	475	125	5,721
28 cm:	630	2,053	3,422	233	402	34	248	0	49	769	569	200	8,609
29 cm:	687	1,547	1,302	126	197	0	149	0	11	696	569	137	5,421
30 cm:	557	1,124	376	84	0	0	99	17	87	448	3,825	172	6,789
31 cm:	1,080	1,938	315	95	0	0	99	17	19	438	380	75	4,456
32 cm:	1,044	962	503	105	0	0	0	122	38	438	2,485	12	5,709
33 cm:	1,596	1,299	242	95	0	0	50	70	0	135	1,435	75	4,997
34 cm:	683	502	185	0	0	0	0	0	0	0	956	0	2,326
35 cm:	1,958	450	114	0	55	0	0	52	0	45	2,104	0	4,778
36 cm:	310	104	14	0	0	0	0	70	0	157	2,677	0	3,332
37 cm:	0	0	14	0	110	0	0	0	0	157	0	0	281
38 cm:	161	64	0	0	110	0	0	0	0	79	190	0	604
39 cm:	80	127	14	0	55	0	0	0	0	0	95	0	371
40 cm:	161	318	0	0	110	0	0	0	0	157	0	0	746
41 cm:	0	191	0	0	165	0	0	0	0	79	0	0	435
42 cm:	0	64	0	0	0	0	0	0	0	118	0	0	182
43 cm:	37	64	0	0	55	0	0	0	0	118	0	0	274
44 cm:	0	0	0	0	0	0	0	0	0	0	0	0	0
45 cm:	198	0	0	0	55	0	0	0	0	0	0	0	253
46 cm:	161	0	0	0	55	0	0	0	0	0	0	0	216
47 cm:	0	0	0	0	55	0	0	0	0	39	0	0	94
48 cm:	155	0	0	0	0	0	0	0	0	0	0	0	155
49 cm:	0	0	0	0	0	0	0	0	0	0	0	0	0
50 cm:	37	0	0	0	0	0	0	0	0	0	0	0	37
TOTAL:	10,504	15,526	25,445	2,115	8,263	2,931	2,781	348	234	4,468	18,512	1,046	92,173

RAISED CATCH FROM WHICH SAMPLES WERE TAKEN: (Kg)

6,661	6,750	7,844	655	2,920	806	753	234	117	2,552	10,316	1,225	40,833

NUMBER OF FISH MEASURED:

231	306	300	103	103	87	56	20	14	108	104	24	1,456

WEIGHT OF FISH MEASURED: (Kg)

145	146	114	39	41	22	16	13	7	60	50	10	663

SIZE FREQUENCY DISTRIBUTION

3.5 Narrow-barred king mackerel

3.5.1 Kandakuliya

INTERVAL	A 86	S 86	O 86	N 86	D 86	J 87	F 87	M 87	A 87	M 87	J 87	J 87	TOTAL
60 cm:	0	37	0	0	0	0	0	0	0	0	0	0	37
62 cm:	0	0	0	0	0	0	0	0	0	0	0	0	0
64 cm:	0	0	0	0	0	0	0	0	0	0	0	0	0
66 cm:	0	0	0	0	0	0	0	0	0	0	0	0	0
68 cm:	0	0	0	0	0	0	0	0	0	0	0	0	0
70 cm:	0	0	0	0	0	0	0	0	0	0	0	0	0
72 cm:	0	0	0	0	0	0	0	0	0	0	0	0	0
74 cm:	0	37	0	0	0	0	0	0	0	0	0	0	37
76 cm:	0	0	0	0	0	0	0	0	0	0	0	0	0
78 cm:	0	74	0	0	0	0	0	0	0	0	0	0	74
80 cm:	0	37	0	0	0	0	0	0	0	0	0	0	37
82 cm:	0	74	0	0	0	0	0	0	0	0	0	0	74
84 cm:	0	0	0	0	0	0	0	0	0	0	0	0	0
86 cm:	0	0	0	0	0	0	0	0	0	0	0	0	0
88 cm:	0	0	0	65	0	0	0	0	6	0	0	80	151
90 cm:	0	0	0	0	0	0	0	0	0	0	0	0	0
92 cm:	0	37	55	0	0	0	0	0	0	0	0	0	92
94 cm:	0	0	55	0	0	0	0	0	0	0	0	27	82
96 cm:	0	0	0	0	149	0	0	16	0	0	0	53	218
98 cm:	0	0	55	0	0	0	0	0	0	0	0	212	267
100 cm:	0	0	0	0	0	0	0	0	0	0	0	80	80
102 cm:	0	0	0	0	0	0	0	0	0	0	0	27	27
104 cm:	0	0	0	0	0	0	31	32	6	0	0	106	175
106 cm:	0	0	55	0	0	0	63	48	0	0	0	27	193
108 cm:	0	0	0	0	0	0	31	16	0	4	0	159	210
110 cm:	0	0	0	0	0	0	31	32	6	0	0	133	202
112 cm:	0	0	0	0	0	0	0	0	13	4	0	243	260
114 cm:	0	0	0	0	0	0	0	0	30	0	0	106	136
116 cm:	0	0	55	0	0	0	0	0	30	0	0	80	165
118 cm:	0	0	0	0	0	0	0	0	12	0	0	0	12
TOTAL:	0	296	275	65	149	0	156	144	103	8	0	1,333	2,529
RAISED CATCH FROM WHICH SAMPLES WERE TAKEN: (Kg)													
	0	1,110	2,165	323	972	53	1,417	1,252	857	81	0	11,665	19,895
NUMBER OF FISH MEASURED:													
	0	8	5	1	2	0	5	9	15	1	0	41	87
WEIGHT OF FISH MEASURED: (Kg)													
	0	30	39	5	13	0	45	79	179	20	0	440	850

INTERVAL	A 87	S 87	O 87	N 87	D 87	J 88	F 88	M 88	A 88	M 88	J 88	J 88	TOTAL
46 cm:	0	56	0	0	0	0	0	0	0	0	0	0	56
48 cm:	0	56	0	0	0	0	0	0	0	0	0	0	56
50 cm:	0	0	0	0	0	0	0	0	0	0	0	0	0
52 cm:	0	0	0	0	0	0	0	0	0	0	0	0	0
54 cm:	0	0	0	0	0	0	0	0	0	0	0	0	0
56 cm:	0	0	0	0	0	0	0	0	0	0	0	0	0
58 cm:	0	0	0	0	0	0	0	0	0	0	0	0	0
60 cm:	0	0	0	0	0	0	0	0	0	0	0	0	0
62 cm:	0	0	0	0	0	0	0	0	0	0	0	0	0
64 cm:	0	0	0	0	0	0	0	0	0	0	0	0	0
66 cm:	0	0	0	0	0	0	0	39	0	0	0	0	39
68 cm:	0	0	0	0	0	0	0	0	0	0	0	0	0
70 cm:	0	0	0	0	0	0	0	0	0	0	0	0	0
72 cm:	0	0	0	0	0	0	0	0	0	0	0	0	0
74 cm:	0	0	0	0	0	0	0	0	0	0	0	0	0
76 cm:	0	0	0	0	0	0	0	20	0	0	0	0	20
78 cm:	0	0	0	0	0	0	0	0	0	0	0	21	21
80 cm:	0	0	0	0	0	0	0	0	0	0	0	21	21
82 cm:	0	0	0	0	0	0	0	39	0	0	0	0	39
84 cm:	0	0	0	0	0	15	0	20	0	0	0	21	56
86 cm:	0	0	0	0	0	15	0	39	0	0	0	0	54
88 cm:	0	0	75	0	0	45	0	0	22	0	0	0	142
90 cm:	0	0	0	0	0	0	0	20	0	0	0	0	20
92 cm:	0	0	25	0	0	15	0	20	0	0	0	0	60
94 cm:	0	0	75	0	0	0	0	20	0	0	0	21	116
96 cm:	0	0	50	0	21	15	0	79	22	0	0	0	187
98 cm:	0	83	126	15	84	0	0	20	45	7	28	64	472
100 cm:	0	83	126	0	63	0	0	0	0	0	0	0	272
102 cm:	0	28	75	0	42	30	0	59	0	0	0	21	255
104 cm:	19	83	151	0	21	0	0	20	45	0	0	21	360
106 cm:	56	195	101	15	63	0	12	20	22	0	0	0	484
108 cm:	19	83	75	15	21	0	0	0	22	0	14	21	270
110 cm:	0	167	151	15	0	0	12	0	0	0	0	21	366
112 cm:	38	167	161	44	21	0	12	0	45	0	0	21	342
114 cm:	38	83	126	0	0	0	25	0	0	0	0	21	293
116 cm:	19	111	75	0	0	0	12	0	45	7	0	21	290
118 cm:	38	111	25	0	0	0	12	0	22	0	0	0	208
120 cm:	56	0	0	0	0	0	0	0	0	0	0	0	56
122 cm:	0	0	0	0	0	0	0	0	0	0	0	0	0
124 cm:	38	0	0	0	0	0	0	0	0	0	0	0	38
126 cm:	0	0	0	0	0	0	0	0	0	0	0	0	0
128 cm:	0	0	0	0	0	0	0	0	0	0	0	0	0
130 cm:	0	0	0	0	0	0	0	0	0	0	0	0	0
132 cm:	0	0	0	0	0	0	0	0	0	0	0	0	0
134 cm:	0	0	0	0	0	0	0	0	0	0	0	0	0
136 cm:	0	0	0	0	0	0	0	0	0	0	0	0	0
138 cm:	0	0	0	0	0	0	0	0	0	0	0	0	0
140 cm:	0	0	0	0	0	15	0	0	0	0	0	0	15
TOTAL:	321	1,306	1,417	104	336	150	85	415	290	14	42	295	4,775
RAISED CATCH FROM WHICH SAMPLES WERE TAKEN: (Kg)													
	3,811	11,686	12,495	1,008	2,687	1,184	855	2,803	2,858	124	456	2,809	41,843
NUMBER OF FISH MEASURED:													
	18	47	80	4	18	10	6	21	11	2	3	13	177
WEIGHT OF FISH MEASURED: (Kg)													
	187	420	496	65	128	73	73	124	116	18	33	116	1,849

SIZE FREQUENCY DISTRIBUTION

3.5 Narrow-barred king mackerel

3.5.2 Negombo

INTERVAL	A 86	S 86	O 86	N 86	D 86	J 87	F 87	M 87	A 87	M 87	J 87	J 87	TOTAL
30 cm:	0	57	0	0	0	0	0	0	0	0	0	0	57
40 cm:	0	0	0	0	0	6	0	0	0	0	0	0	6
42 cm:	0	0	0	0	0	0	0	5	0	0	0	0	5
44 cm:	0	0	0	0	0	0	0	0	0	0	0	0	0
46 cm:	0	0	0	0	9	6	0	0	0	0	0	0	15
48 cm:	0	0	0	10	0	6	0	5	0	0	0	0	21
50 cm:	0	0	0	0	0	18	0	0	0	0	0	0	18
52 cm:	0	0	11	0	0	6	4	0	0	0	9	0	30
54 cm:	0	0	0	0	0	0	0	5	0	0	0	0	5
56 cm:	0	0	0	0	28	12	0	0	0	0	0	27	67
58 cm:	0	0	0	0	28	0	0	0	0	0	0	0	28
60 cm:	0	0	0	10	37	12	8	0	0	0	0	0	67
62 cm:	14	0	0	0	56	18	8	5	0	0	9	0	110
64 cm:	0	0	0	0	28	18	8	15	5	0	0	0	74
66 cm:	14	0	11	0	37	12	16	5	0	0	0	0	95
68 cm:	28	0	0	0	0	12	0	26	0	0	0	55	121
70 cm:	42	0	0	0	19	18	0	20	16	7	9	301	432
72 cm:	14	57	11	29	9	0	4	5	43	7	9	519	707
74 cm:	14	0	11	10	19	0	0	5	11	0	52	437	559
76 cm:	56	397	86	0	28	6	12	10	11	0	17	792	1,415
78 cm:	365	511	75	29	37	0	0	15	0	0	61	984	2,077
80 cm:	309	794	172	88	84	42	12	5	5	0	17	710	2,238
82 cm:	365	794	215	49	65	24	28	5	11	0	26	383	1,965
84 cm:	225	284	129	156	149	36	12	0	22	0	17	273	1,303
86 cm:	140	624	182	146	158	30	16	5	38	20	35	328	1,722
88 cm:	28	284	129	59	37	30	4	15	11	0	44	410	1,051
90 cm:	42	284	54	68	28	61	8	5	32	0	35	383	1,000
92 cm:	28	113	32	68	46	30	12	10	27	0	17	410	793
94 cm:	0	57	43	0	28	30	0	0	11	0	26	109	304
96 cm:	28	113	0	10	19	18	16	10	5	13	17	82	331
98 cm:	14	113	21	0	0	6	4	5	22	0	17	164	366
100 cm:	14	0	21	29	0	6	0	0	11	0	9	27	117
102 cm:	28	113	0	0	19	12	4	5	16	0	0	0	197
104 cm:	0	0	0	0	0	0	0	0	5	0	0	0	5
106 cm:	0	0	0	10	9	6	0	0	5	0	0	27	57
108 cm:	14	0	0	0	0	6	8	0	0	0	0	0	28
110 cm:	42	0	0	0	0	0	0	0	11	0	0	0	53
112 cm:	0	0	11	15	0	2	5	2	5	0	0	0	40
114 cm:	0	0	0	0	0	0	0	0	5	0	0	0	5
116 cm:	14	0	11	0	0	0	0	0	5	0	0	0	30
118 cm:	14	0	0	0	0	6	0	0	5	0	0	0	25
120 cm:	0	0	0	0	0	0	0	0	0	0	0	0	0
122 cm:	0	0	0	0	0	0	0	5	0	0	0	0	5
124 cm:	0	0	0	0	0	0	0	0	0	0	0	0	0
126 cm:	0	0	0	0	0	0	0	0	0	0	0	0	0
128 cm:	0	0	0	0	0	0	0	0	5	0	0	0	5
130 cm:	0	0	11	0	0	0	0	0	0	0	0	0	11
132 cm:	14	0	0	0	0	0	0	0	0	0	0	0	14
...	0	0	0	0	0	0	0	0	0	0	0	0	0
194 cm:	14	0	0	0	0	0	0	0	0	0	0	0	14
TOTAL:	1,880	4,595	1,236	786	977	495	189	193	343	47	426	6,421	17,588
RAISED CATCH FROM WHICH SAMPLES WERE TAKEN: (Kg)													
	9,238	22,975	5,771	3,852	3,936	2,208	856	782	1,948	225	1,880	26,561	80,232
NUMBER OF FISH MEASURED:													
	134	87	114	79	105	82	46	38	63	7	49	235	1,039
WEIGHT OF FISH MEASURED: (Kg)													
	658	405	538	395	424	364	211	153	362	34	216	972	4,732

INTERVAL	A 87	S 87	O 87	N 87	D 87	J 88	F 88	M 88	A 88	M 88	J 88	J 88	TOTAL
30 cm:	0	31	0	0	0	0	9	0	0	0	0	0	40
40 cm:	0	0	61	0	0	29	38	0	0	0	0	0	128
42 cm:	0	31	0	0	0	0	0	0	0	0	0	0	31
44 cm:	0	31	0	0	0	0	0	0	0	0	0	0	31
46 cm:	13	0	61	0	0	0	0	0	0	0	0	0	74
48 cm:	26	0	0	0	10	0	0	0	0	0	0	0	36
50 cm:	0	0	0	0	0	0	38	0	0	0	0	0	38
52 cm:	26	63	0	0	0	0	28	0	0	0	0	0	117
54 cm:	26	31	0	0	0	0	28	0	0	0	0	0	85
56 cm:	13	31	0	0	0	0	47	21	7	0	0	0	119
58 cm:	13	0	0	0	10	0	38	7	7	4	0	0	79
60 cm:	0	94	0	0	10	0	57	21	28	4	0	0	214
62 cm:	26	0	0	0	0	15	47	21	14	4	0	0	127
64 cm:	26	63	0	0	0	15	47	21	21	0	0	0	193
66 cm:	0	31	0	0	20	0	57	83	62	8	0	0	261
68 cm:	51	31	61	58	10	0	38	69	48	15	0	0	381
70 cm:	154	31	61	0	10	15	57	41	172	11	5	0	557
72 cm:	51	63	0	19	10	15	47	34	14	15	0	0	268
74 cm:	218	157	0	19	10	44	38	7	48	8	21	0	570
76 cm:	128	220	61	19	0	29	38	14	28	0	11	12	560
78 cm:	436	125	123	0	0	0	19	62	21	23	5	0	814
80 cm:	295	220	246	0	0	44	47	21	34	11	5	12	935
82 cm:	333	345	123	19	20	88	9	7	7	8	0	0	959
84 cm:	231	220	184	19	30	0	9	28	34	4	21	12	792
86 cm:	282	282	123	19	20	0	38	21	14	4	0	12	815
88 cm:	115	220	123	0	30	15	57	28	7	0	0	12	607
90 cm:	205	188	61	0	30	29	28	34	34	0	0	0	609
92 cm:	180	0	61	0	10	15	19	14	62	4	0	0	365
94 cm:	77	63	61	0	10	0	19	7	14	0	0	23	274
96 cm:	77	63	307	0	10	29	28	0	28	0	0	0	542
98 cm:	38	94	246	0	0	0	0	0	0	0	0	12	390
100 cm:	38	63	184	0	0	0	38	14	21	4	0	0	362
102 cm:	26	0	123	0	0	0	9	0	7	0	0	0	165
104 cm:	0	0	61	0	0	0	0	0	0	0	11	0	72
106 cm:	0	0	123	0	0	15	0	0	7	4	0	0	149
108 cm:	0	0	184	0	0	0	0	0	7	0	0	0	191
110 cm:	0	0	0	0	0	15	0	0	0	4	0	0	19
112 cm:	26	0	0	0	0	0	0	0	7	0	0	0	33
114 cm:	0	0	0	0	0	0	0	7	0	0	0	0	7
116 cm:	0	0	61	0	0	0	0	0	0	0	0	0	61
118 cm:	0	0	0	0	10	15	0	7	0	0	0	0	32
120 cm:	0	0	0	0	0	0	0	0	0	4	0	0	4
122 cm:	0	0	0	0	0	0	0	0	0	0	0	0	0
124 cm:	0	0	0	0	0	0	0	0	0	0	0	0	0
126 cm:	0	0	0	0	0	0	0	0	0	4	0	0	4
128 cm:	0	0	0	0	0	15	0	0	0	0	0	0	15
...	0	0	0	0	0	0	0	0	0	0	0	0	0
142 cm:	0	0	0	0	0	0	0	0	0	4	0	0	4
...	0	0	0	0	0	0	0	0	0	0	0	0	0
156 cm:	0	0	0	0	0	0	0	0	0	4	0	0	4
TOTAL:	3,130	2,791	2,699	172	260	442	972	589	753	151	79	95	12,133
RAISED CATCH FROM WHICH SAMPLES WERE TAKEN: (Kg)													
	13,326	11,383	15,796	579	1,127	2,047	3,029	2,056	2,850	781	345	472	53,791
NUMBER OF FISH MEASURED:													
	242	89	44	9	26	30	103	85	108	39	15	8	798
WEIGHT OF FISH MEASURED: (Kg)													
	1,039	363	257	30	114	140	319	299	414	204	65	41	3,285

SIZE FREQUENCY DISTRIBUTION

3.5 Narrow-barred king mackerel

3.5.3 Beruwala

INTERVAL	A 86	S 86	O 86	N 86	D 86	J 87	F 87	M 87	A 87	M 87	J 87	J 87	TOTAL
56 cm:	0	11	0	0	0	0	0	0	0	0	0	0	11
58 cm:	0	11	0	0	0	0	0	0	0	0	0	0	11
60 cm:	0	11	0	0	0	0	0	0	0	0	0	0	11
62 cm:	0	6	0	0	0	0	0	0	0	0	8	0	14
64 cm:	0	6	0	0	0	0	4	0	16	10	3	0	39
66 cm:	0	0	0	0	0	0	0	0	16	26	0	0	42
68 cm:	0	11	0	0	0	0	22	12	39	73	13	70	240
70 cm:	21	22	0	0	0	0	18	0	0	16	3	0	80
72 cm:	21	17	7	11	0	0	18	0	0	5	0	0	79
74 cm:	167	39	37	5	0	0	22	0	0	0	0	0	270
76 cm:	272	78	74	5	0	0	13	0	0	5	0	0	447
78 cm:	293	95	66	27	0	0	18	0	0	5	0	23	527
80 cm:	544	145	81	5	6	0	0	4	0	26	3	1,099	1,913
82 cm:	523	145	37	5	0	0	0	0	8	36	3	725	1,482
84 cm:	502	229	66	44	0	0	4	0	0	5	3	585	1,438
86 cm:	398	151	74	44	0	0	4	8	8	26	8	2,152	2,873
88 cm:	147	217	39	88	0	0	13	8	0	21	0	1,333	1,886
90 cm:	251	134	59	66	0	0	9	4	8	21	8	514	1,074
92 cm:	105	134	44	49	6	0	4	0	0	0	0	0	342
94 cm:	42	61	37	49	6	0	9	4	0	0	0	0	208
96 cm:	63	33	7	44	0	0	9	0	0	0	0	0	156
98 cm:	63	45	7	22	0	0	0	0	0	0	0	0	137
100 cm:	147	45	7	16	6	0	0	4	0	0	0	0	225
102 cm:	21	28	0	0	0	0	0	0	0	0	0	0	49
104 cm:	21	17	0	0	0	0	0	0	0	0	0	0	38
106 cm:	21	11	0	5	0	0	0	0	0	0	0	0	37
108 cm:	21	0	0	5	0	0	0	0	0	0	0	0	26
110 cm:	0	6	0	0	0	0	0	0	0	0	0	0	6
112 cm:	0	0	0	0	0	0	0	0	0	0	0	0	0
114 cm:	0	0	0	0	0	0	0	0	0	0	0	0	0
116 cm:	0	0	0	0	0	0	0	0	0	0	0	0	0
118 cm:	0	0	0	0	0	0	0	0	0	0	0	0	0
120 cm:	0	0	0	0	0	0	0	0	0	0	0	0	0
122 cm:	0	0	0	0	0	0	0	0	0	0	0	0	0
124 cm:	0	6	0	0	0	0	0	0	0	0	0	0	6
126 cm:	0	0	0	0	0	0	0	0	0	0	0	0	0
128 cm:	0	0	0	0	0	0	0	0	0	0	0	0	0
130 cm:	0	6	0	0	0	0	0	0	0	0	0	0	6
TOTAL:	3,643	1,720	662	490	24	0	167	44	95	275	52	6,501	13,673
RAISED CATCH FROM WHICH SAMPLES WERE TAKEN: (Kg)													
	16,914	9,626	3,024	2,676	135	0	631	193	285	962	164	30,685	65,295
NUMBER OF FISH MEASURED:													
	174	308	90	90	4	0	38	11	12	53	19	278	1,077
WEIGHT OF FISH MEASURED: (Kg)													
	808	1,514	411	487	23	0	144	48	36	185	63	1,302	5,021

INTERVAL	A 87	S 87	O 87	N 87	D 87	J 88	F 88	M 88	A 88	M 88	J 88	J 88	TOTAL
60 cm:	0	25	0	0	5	0	0	0	0	0	0	5	35
62 cm:	0	25	0	0	11	0	0	0	0	0	0	0	36
64 cm:	0	8	0	0	32	0	30	0	0	0	0	10	80
66 cm:	0	0	0	0	16	0	0	0	0	0	0	5	21
68 cm:	7	68	0	0	53	8	24	0	7	0	0	5	172
70 cm:	0	25	0	0	26	8	24	0	0	0	0	14	97
72 cm:	7	59	0	0	42	12	37	0	7	0	0	24	188
74 cm:	0	8	0	0	16	12	6	5	0	0	0	10	57
76 cm:	0	34	0	0	21	4	6	0	0	0	0	14	79
78 cm:	52	102	6	0	53	16	24	5	0	0	0	14	272
80 cm:	66	85	62	8	37	41	18	0	0	0	0	14	331
82 cm:	105	68	56	20	26	45	6	0	0	0	0	0	326
84 cm:	33	8	25	0	37	37	0	0	0	0	0	10	150
86 cm:	144	25	44	4	11	0	0	0	0	0	0	5	233
88 cm:	98	8	19	8	5	16	6	0	0	0	0	0	160
90 cm:	33	8	0	0	5	16	0	0	0	0	0	0	62
92 cm:	7	0	6	0	0	8	0	0	0	0	0	0	21
94 cm:	0	0	0	0	0	0	0	0	0	0	0	0	0
96 cm:	0	0	0	0	0	0	0	0	0	0	0	0	0
98 cm:	0	8	0	0	0	0	0	0	0	9	0	0	17
100 cm:	0	0	0	0	0	0	0	0	0	0	0	0	0
102 cm:	0	0	0	0	0	0	0	0	0	0	0	0	0
104 cm:	0	0	0	0	0	0	0	0	0	0	0	0	0
106 cm:	0	0	0	0	0	0	0	0	0	0	0	0	0
108 cm:	0	0	0	0	0	0	0	0	0	0	0	5	5
TOTAL:	552	564	218	40	396	223	181	10	14	9	0	135	2,342
RAISED CATCH FROM WHICH SAMPLES WERE TAKEN: (Kg)													
	2,484	1,774	940	172	1,319	946	555	36	37	66	0	473	8,802
NUMBER OF FISH MEASURED:													
	84	67	35	10	75	55	30	2	2	1	0	28	389
WEIGHT OF FISH MEASURED: (Kg)													
	380	217	151	43	244	227	90	7	5	7	0	94	1,465

SIZE FREQUENCY DISTRIBUTION

3.5 Narrow-barred king mackerel

3.5.4 3 sites combined

INTERVAL	A 86	S 86	O 86	N 86	D 86	J 87	F 87	M 87	A 87	M 87	J 87	J 87	TOTAL
38 cm:	0	57	0	0	0	0	0	0	0	0	0	0	57
40 cm:	0	0	0	0	0	6	0	0	0	0	0	0	6
42 cm:	0	0	0	0	0	0	0	5	0	0	0	0	5
44 cm:	0	0	0	0	0	0	0	0	0	0	0	0	0
46 cm:	0	0	0	0	9	6	0	0	0	0	0	0	15
48 cm:	0	0	0	10	0	6	0	5	0	0	0	0	21
50 cm:	0	0	0	0	0	18	0	0	0	0	0	0	18
52 cm:	0	0	11	0	0	6	4	0	0	0	9	0	30
54 cm:	0	0	0	0	0	0	0	5	0	0	0	0	5
56 cm:	0	11	0	0	28	12	0	0	0	0	0	27	78
58 cm:	0	11	0	0	28	0	0	0	0	0	0	0	39
60 cm:	0	48	0	10	37	12	8	0	0	0	0	0	115
62 cm:	14	6	0	0	56	18	8	5	0	0	17	0	124
64 cm:	0	6	0	0	28	18	12	15	21	10	3	0	113
66 cm:	14	0	11	0	37	12	16	5	16	26	0	0	137
68 cm:	28	11	0	0	0	12	22	38	39	73	13	125	361
70 cm:	63	22	0	0	19	18	18	20	16	23	12	301	512
72 cm:	35	74	18	40	9	0	22	5	43	12	9	519	786
74 cm:	181	76	48	15	19	0	22	5	11	0	52	437	866
76 cm:	328	475	160	5	28	6	25	10	11	5	17	792	1,862
78 cm:	658	680	141	56	37	0	18	15	0	5	61	1,007	2,678
80 cm:	853	976	253	93	90	42	12	9	5	26	20	1,809	4,188
82 cm:	888	1,013	252	54	65	24	28	5	19	36	29	1,108	3,521
84 cm:	727	513	195	200	149	36	16	0	22	5	20	858	2,741
86 cm:	538	775	256	190	158	30	20	13	46	46	43	2,480	4,595
88 cm:	175	501	188	212	37	30	17	23	17	21	44	1,823	3,088
90 cm:	293	418	113	134	28	61	17	9	40	21	43	897	2,074
92 cm:	133	284	131	117	52	30	16	10	27	0	17	410	1,227
94 cm:	42	118	135	49	34	30	9	4	11	0	26	136	594
96 cm:	91	146	7	54	168	18	25	26	5	13	17	135	705
98 cm:	77	158	83	22	0	6	4	5	22	0	17	376	770
100 cm:	161	45	28	45	6	6	0	4	11	0	9	107	422
102 cm:	49	141	0	0	19	12	4	5	16	0	0	27	273
104 cm:	21	17	0	0	0	0	31	32	11	0	0	106	218
106 cm:	21	11	55	15	9	6	63	48	5	0	0	54	287
108 cm:	35	0	0	5	0	6	39	16	0	4	0	159	264
110 cm:	42	6	0	0	0	0	31	32	17	0	0	133	261
112 cm:	0	0	11	15	0	2	5	2	18	1	0	243	300
114 cm:	0	0	0	0	0	0	0	0	35	0	0	106	141
116 cm:	14	0	66	0	0	0	0	0	35	0	0	80	195
118 cm:	14	0	0	0	0	6	0	0	17	0	0	0	37
120 cm:	0	0	0	0	0	0	0	0	0	0	0	0	0
122 cm:	0	0	0	0	0	0	0	5	0	0	0	0	5
124 cm:	0	6	0	0	0	0	0	0	0	0	0	0	6
126 cm:	0	0	0	0	0	0	0	0	0	0	0	0	0
128 cm:	0	0	0	0	0	0	0	0	5	0	0	0	5
130 cm:	0	6	11	0	0	0	0	0	0	0	0	0	17
132 cm:	14	0	0	0	0	0	0	0	0	0	0	0	14
...	0	0	0	0	0	0	0	0	0	0	0	0	0
194 cm:	14	0	0	0	0	0	0	0	0	0	0	0	14
TOTAL:	5,523	6,611	2,173	1,341	1,150	495	512	381	541	330	478	14,255	33,790
RAISED CATCH FROM WHICH SAMPLES WERE TAKEN: (Kg)													
	26,152	33,711	10,960	6,851	5,043	2,261	2,904	2,227	3,090	1,268	2,044	68,911	165,422
NUMBER OF FISH MEASURED:													
	308	403	209	170	111	82	89	58	90	61	68	554	2,203
WEIGHT OF FISH MEASURED: (Kg)													
	1,466	1,949	988	887	460	364	400	280	577	239	279	2,714	10,603

INTERVAL	A 87	S 87	O 87	N 87	D 87	J 88	F 88	M 88	A 88	M 88	J 88	J 88	TOTAL
38 cm:	0	31	0	0	0	0	9	0	0	0	0	0	40
40 cm:	0	0	61	0	0	29	38	0	0	0	0	0	128
42 cm:	0	31	0	0	0	0	0	0	0	0	0	0	31
44 cm:	0	31	0	0	0	0	0	0	0	0	0	0	31
46 cm:	13	56	61	0	0	0	0	0	0	0	0	0	130
48 cm:	26	56	0	0	10	0	0	0	0	0	0	0	92
50 cm:	0	0	0	0	0	0	38	0	0	0	0	0	38
52 cm:	26	63	0	0	0	0	28	0	0	0	0	0	117
54 cm:	26	31	0	0	0	0	28	0	0	0	0	0	85
56 cm:	13	31	0	0	0	0	47	21	7	0	0	0	119
58 cm:	13	0	0	0	10	0	38	7	7	4	0	0	79
60 cm:	0	119	0	0	15	0	57	21	28	4	0	5	249
62 cm:	26	25	0	0	11	15	47	21	14	4	0	0	163
64 cm:	26	71	0	0	32	15	77	21	21	0	0	10	273
66 cm:	0	31	0	0	36	0	57	122	62	8	0	5	321
68 cm:	58	99	61	58	63	8	62	69	55	15	0	5	553
70 cm:	154	56	61	0	36	23	81	41	172	11	5	14	654
72 cm:	58	122	0	19	52	27	84	34	21	15	0	24	456
74 cm:	218	165	0	19	26	56	44	12	48	8	21	10	627
76 cm:	128	254	61	19	21	33	44	34	28	0	11	26	659
78 cm:	488	227	129	0	33	16	43	67	21	23	5	35	1,107
80 cm:	361	305	308	8	37	85	65	21	34	11	5	47	1,287
82 cm:	438	413	179	39	46	133	15	46	7	8	0	0	1,324
84 cm:	264	220	209	19	67	52	9	48	34	4	21	43	998
86 cm:	426	307	167	23	31	15	38	60	14	4	0	17	1,102
88 cm:	213	228	217	8	35	76	63	28	29	0	0	12	909
90 cm:	238	196	61	0	35	45	28	54	34	0	0	0	691
92 cm:	187	0	92	0	10	38	19	34	62	4	0	0	446
94 cm:	77	63	136	0	10	0	19	27	14	0	0	44	390
96 cm:	77	63	357	0	31	44	28	79	50	0	0	0	729
98 cm:	38	185	372	15	84	0	0	20	45	16	28	76	879
100 cm:	38	146	310	0	63	0	38	14	21	4	0	0	634
102 cm:	26	28	198	0	42	30	9	59	7	0	0	21	420
104 cm:	19	83	212	0	21	0	0	20	45	0	11	21	432
106 cm:	56	195	224	15	63	15	12	20	29	4	0	0	633
108 cm:	19	83	259	15	21	0	0	0	29	0	14	26	466
110 cm:	0	167	151	15	0	15	12	0	0	4	0	21	385
112 cm:	64	167	161	44	21	0	12	0	52	0	0	21	542
114 cm:	38	83	126	0	0	0	25	7	0	0	0	21	300
116 cm:	19	111	136	0	0	0	12	0	45	7	0	21	351
118 cm:	38	111	25	0	10	15	12	7	22	0	0	0	240
120 cm:	56	0	0	0	0	0	0	0	0	4	0	0	60
122 cm:	0	0	0	0	0	0	0	0	0	0	0	0	0
124 cm:	38	0	0	0	0	0	0	0	0	0	0	0	38
126 cm:	0	0	0	0	0	0	0	0	0	4	0	0	4
128 cm:	0	0	0	0	0	15	0	0	0	0	0	0	15
...	0	0	0	0	0	0	0	0	0	0	0	0	0
140 cm:	0	0	0	0	0	15	0	0	0	0	0	0	15
142 cm:	0	0	0	0	0	0	0	0	0	4	0	0	4
...	0	0	0	0	0	0	0	0	0	0	0	0	0
156 cm:	0	0	0	0	0	0	0	0	0	4	0	0	4
TOTAL:	4,003	4,661	4,334	316	992	815	1,238	1,014	1,057	174	121	525	19,250
RAISED CATCH FROM WHICH SAMPLES WERE TAKEN: (Kg)													
	19,321	24,813	29,231	1,756	5,133	4,177	4,439	4,595	5,445	971	801	3,754	104,436
NUMBER OF FISH MEASURED:													
	341	203	129	23	116	95	139	108	121	42	18	49	1,384
WEIGHT OF FISH MEASURED: (Kg)													
	1,606	1,000	904	138	486	440	482	430	535	229	98	251	6,599

SIZE FREQUENCY DISTRIBUTION

3.6 Black marlin

3.6.1 Kandakuliya

INTERVAL	A 86	S 86	O 86	N 86	D 86	J 87	F 87	M 87	A 87	M 87	J 87	J 87	TOTAL
162 cm:	0	0	0	0	0	0	0	7	0	0	0	0	7
166 cm:	0	0	0	0	0	0	0	0	0	0	0	0	0
170 cm:	0	49	0	0	0	0	0	0	0	0	0	0	49
174 cm:	0	0	0	0	0	0	0	0	0	0	0	0	0
178 cm:	0	0	0	0	0	9	0	7	0	0	0	0	16
182 cm:	0	0	0	0	0	0	0	0	0	0	0	0	0
186 cm:	0	0	0	0	0	0	0	0	0	0	0	36	36
190 cm:	0	0	0	0	0	0	0	0	0	0	0	36	36
194 cm:	0	0	0	0	0	0	0	0	0	0	0	0	0
198 cm:	0	0	0	0	27	0	0	0	0	0	0	0	27
202 cm:	0	0	0	0	27	0	0	0	0	0	0	0	27
206 cm:	0	0	0	0	0	0	0	0	0	0	0	0	0
210 cm:	0	0	0	0	0	0	0	0	0	0	0	0	0
214 cm:	0	0	0	0	0	0	0	0	0	0	0	0	0
218 cm:	0	0	0	0	0	0	0	0	0	0	0	0	0
222 cm:	0	0	0	0	27	0	0	0	0	0	0	0	27
226 cm:	0	0	0	0	27	0	0	0	0	0	0	0	27
230 cm:	0	0	0	0	0	0	18	0	0	0	0	0	18
234 cm:	0	0	0	0	0	0	0	0	0	0	0	0	0
238 cm:	0	0	0	22	0	0	0	0	0	0	0	0	22
242 cm:	0	0	0	0	0	0	0	0	0	0	0	0	0
246 cm:	0	0	0	0	0	0	18	0	0	0	0	0	18
TOTAL:	0	49	0	22	108	9	36	14	0	0	0	72	310
RAISED CATCH FROM WHICH SAMPLES WERE TAKEN: (Kg)													
	1,476	2,443	703	2,935	10,297	475	4,800	652	0	0	0	4,673	28,454
NUMBER OF FISH MEASURED:													
	0	1	0	1	4	1	2	2	0	0	0	2	13
WEIGHT OF FISH MEASURED: (Kg)													
	0	50	0	132	379	54	266	99	0	0	0	131	1,111

INTERVAL	A 87	S 87	O 87	N 87	D 87	J 88	F 88	M 88	A 88	M 88	J 88	J 88	TOTAL
170 cm:	0	0	0	0	25	0	0	0	0	0	0	0	25
...	0	0	0	0	0	0	0	0	0	0	0	0	0
186 cm:	0	0	0	0	25	0	0	0	0	0	0	0	25
...	0	0	0	0	0	0	0	0	0	0	0	0	0
246 cm:	0	0	0	0	25	0	0	0	0	0	0	0	25
TOTAL:	0	0	0	0	75	0	0	0	0	0	0	0	75
RAISED CATCH FROM WHICH SAMPLES WERE TAKEN: (Kg)													
	0	1,150	0	0	6,322	511	0	0	338	0	0	0	8,321
NUMBER OF FISH MEASURED:													
	0	0	0	0	3	0	0	0	0	0	0	0	3
WEIGHT OF FISH MEASURED: (Kg)													
	0	0	0	0	256	0	0	0	0	0	0	0	256

SIZE FREQUENCY DISTRIBUTION

3.6 Black marlin

3.6.2 Negombo

INTERVAL	A 86	S 86	O 86	N 86	D 86	J 87	F 87	M 87	A 87	M 87	J 87	J 87	TOTAL
118 cm:	0	0	0	0	0	0	27	0	0	0	0	0	27
122 cm:	0	0	0	0	0	0	0	0	0	0	0	0	0
126 cm:	0	0	0	0	0	0	0	6	0	0	0	0	6
130 cm:	0	0	0	0	0	0	0	0	0	0	0	0	0
134 cm:	14	0	0	0	0	0	27	0	0	0	0	0	41
138 cm:	0	0	0	0	0	0	0	0	0	0	0	0	0
142 cm:	0	0	0	0	0	0	0	0	0	0	0	0	0
146 cm:	0	0	0	0	0	0	0	0	0	0	0	0	0
150 cm:	0	0	0	0	0	0	0	0	0	0	0	0	0
154 cm:	0	35	0	0	0	0	0	0	0	0	0	0	35
158 cm:	0	0	0	0	0	8	0	0	11	0	0	0	19
162 cm:	0	0	9	9	0	0	0	6	0	0	0	0	24
166 cm:	0	0	0	0	0	0	0	0	0	0	0	0	0
170 cm:	29	18	9	9	0	8	0	6	0	0	0	0	79
174 cm:	0	0	0	0	0	0	0	6	0	0	0	0	6
178 cm:	0	0	0	19	0	0	0	6	11	0	0	0	36
182 cm:	0	18	9	0	0	0	27	6	0	0	0	0	60
186 cm:	0	18	9	9	0	0	27	13	0	15	0	0	91
190 cm:	29	0	9	9	0	0	0	0	0	0	0	0	47
194 cm:	29	0	9	0	0	0	0	0	0	30	0	10	78
198 cm:	14	0	18	0	0	0	0	0	0	0	9	0	41
202 cm:	0	35	9	0	0	0	0	13	0	0	0	0	57
206 cm:	14	18	27	0	10	0	0	6	0	0	0	0	75
210 cm:	14	0	9	19	0	0	0	6	0	0	0	0	48
214 cm:	14	18	0	0	0	0	27	13	11	15	0	10	108
218 cm:	29	0	0	9	0	8	0	19	0	0	0	0	65
222 cm:	0	18	0	0	0	8	0	0	0	15	0	0	41
226 cm:	0	18	0	9	0	0	27	6	11	15	0	0	86
230 cm:	14	18	0	0	0	0	0	6	0	0	0	0	38
234 cm:	0	18	0	9	0	0	0	0	0	0	0	0	27
238 cm:	0	0	0	9	0	0	0	0	0	0	0	0	9
242 cm:	0	0	0	0	0	0	0	0	0	0	0	0	0
246 cm:	0	0	0	0	0	0	0	0	0	0	0	0	0
250 cm:	14	0	0	0	0	0	27	0	0	0	0	0	41
254 cm:	0	18	9	0	0	0	0	0	0	0	0	0	27
258 cm:	14	0	0	0	0	0	0	0	0	0	0	0	14
262 cm:	0	0	0	0	0	0	0	0	0	0	0	0	0
266 cm:	14	0	0	0	0	0	0	0	0	0	0	0	14
TOTAL:	242	250	126	110	10	32	189	118	44	90	9	20	1,240
RAISED CATCH FROM WHICH SAMPLES WERE TAKEN: (Kg)													
	22,532	21,356	9,688	9,332	857	2,299	21,559	9,107	3,228	7,827	671	1,619	110,075
NUMBER OF FISH MEASURED:													
	17	14	14	12	1	4	8	19	4	6	1	2	102
WEIGHT OF FISH MEASURED: (Kg)													
	1,578	1,219	1,079	996	88	293	798	1,451	304	529	76	166	8,577

INTERVAL	A 87	S 87	O 87	N 87	D 87	J 88	F 88	M 88	A 88	M 88	J 88	J 88	TOTAL
158 cm:	8	0	0	0	0	0	0	0	0	0	0	0	8
...	0	0	0	0	0	0	0	0	0	0	0	0	0
186 cm:	0	0	28	0	0	0	0	5	0	0	0	0	33
190 cm:	8	0	0	0	0	0	0	0	0	0	0	0	8
194 cm:	0	0	0	0	0	0	0	0	0	0	0	0	0
198 cm:	0	0	0	0	0	0	0	0	0	0	0	0	0
202 cm:	0	0	28	0	0	0	0	0	0	0	0	0	28
206 cm:	8	0	0	0	0	0	0	0	0	0	0	0	8
...	0	0	0	0	0	0	0	0	0	0	0	0	0
238 cm:	8	0	0	0	0	0	0	0	0	0	0	0	8
...	0	0	0	0	0	0	0	0	0	0	0	0	0
266 cm:	0	0	0	0	0	0	0	5	0	0	0	0	5
TOTAL:	32	0	56	0	0	0	0	10	0	0	0	0	98
RAISED CATCH FROM WHICH SAMPLES WERE TAKEN: (Kg)													
	2,686	202	4,081	1,871	852	208	179	1,203	150	556	278	973	13,239
NUMBER OF FISH MEASURED:													
	4	0	2	0	0	0	0	2	0	0	0	0	8
WEIGHT OF FISH MEASURED: (Kg)													
	328	0	147	0	0	0	0	254	0	0	0	0	729

SIZE FREQUENCY DISTRIBUTION

3.6 Black marlin

3.6.3 Beruwala

INTERVAL	A 86	S 86	O 86	N 86	D 86	J 87	F 87	M 87	A 87	M 87	J 87	J 87	TOTAL
58 cm:	0	0	0	0	0	0	0	0	9	0	0	0	9
...	0	0	0	0	0	0	0	0	0	0	0	0	0
118 cm:	0	0	0	0	0	0	4	0	0	0	0	0	4
122 cm:	0	0	0	0	0	0	0	0	18	0	0	0	18
126 cm:	0	0	0	0	0	0	0	0	0	0	0	0	0
130 cm:	0	0	0	0	0	0	0	0	0	0	0	0	0
134 cm:	0	0	0	0	0	0	0	0	0	0	0	0	0
138 cm:	0	0	0	0	0	0	4	0	0	0	0	0	4
142 cm:	4	0	0	0	0	0	0	0	0	0	0	0	4
146 cm:	0	0	0	0	0	0	0	0	0	0	0	0	0
150 cm:	0	0	0	0	0	0	0	0	0	0	0	0	0
154 cm:	0	0	0	0	0	0	4	0	0	0	0	0	4
158 cm:	4	0	0	6	0	0	0	0	0	0	0	0	10
162 cm:	4	0	0	6	0	9	0	0	0	0	0	0	19
166 cm:	0	5	7	0	5	0	4	0	0	0	0	0	21
170 cm:	4	5	7	0	0	0	4	0	0	0	0	0	20
174 cm:	8	5	0	0	5	0	8	0	0	0	0	0	26
178 cm:	24	5	21	22	0	0	12	4	9	0	0	0	97
182 cm:	0	0	14	28	10	9	23	16	27	0	0	0	127
186 cm:	12	16	21	6	0	57	15	12	27	34	0	10	210
190 cm:	4	16	7	17	5	28	19	0	18	8	0	0	122
194 cm:	4	0	14	39	0	19	27	4	9	17	0	0	133
198 cm:	4	5	21	11	0	57	38	12	0	0	0	0	148
202 cm:	16	10	14	17	15	9	12	12	27	25	0	0	157
206 cm:	4	21	7	22	0	57	31	20	9	25	5	0	201
210 cm:	12	5	14	17	5	19	12	0	0	0	0	0	84
214 cm:	0	5	14	6	0	9	12	0	27	25	0	10	108
218 cm:	12	10	0	0	5	19	15	12	55	17	5	21	171
222 cm:	0	5	7	0	0	28	0	4	0	0	0	0	44
226 cm:	0	0	0	6	0	19	4	8	101	59	16	104	317
230 cm:	0	10	7	6	0	9	8	12	0	34	5	0	91
234 cm:	0	5	0	0	0	9	4	0	0	0	0	0	18
238 cm:	4	0	0	0	0	0	4	0	0	0	0	0	8
242 cm:	4	0	0	0	0	0	0	0	0	0	0	0	4
246 cm:	0	0	0	0	0	0	0	0	0	0	0	0	0
250 cm:	0	0	0	0	0	0	4	0	0	0	0	0	4
254 cm:	0	0	0	0	0	0	0	0	0	0	0	0	0
258 cm:	0	0	7	0	0	0	0	0	0	0	0	0	7
262 cm:	0	0	0	0	0	0	0	0	0	0	0	0	0
266 cm:	0	0	0	0	0	0	0	0	0	0	0	0	0
270 cm:	0	5	0	0	0	0	0	0	0	0	0	0	5
TOTAL:	124	133	182	209	50	357	268	116	336	244	31	145	2,195
RAISED CATCH FROM WHICH SAMPLES WERE TAKEN: (Kg)													
	9,141	13,028	13,866	15,001	3,604	30,146	20,456	9,809	28,585	23,045	3,388	16,087	186,156
NUMBER OF FISH MEASURED:													
	31	26	26	37	10	38	69	29	37	29	6	14	352
WEIGHT OF FISH MEASURED: (Kg)													
	2,253	2,230	2,029	2,687	722	3,159	5,310	2,438	3,123	2,718	650	1,507	28,826

INTERVAL	A 87	S 87	O 87	N 87	D 87	J 88	F 88	M 88	A 88	M 88	J 88	J 88	TOTAL
166 cm:	0	6	0	0	0	0	0	0	0	0	0	0	6
170 cm:	0	0	0	0	0	0	0	0	0	0	0	0	0
174 cm:	0	0	0	0	0	0	0	0	0	0	0	0	0
178 cm:	0	0	0	0	0	0	85	0	0	10	0	0	95
182 cm:	0	0	0	0	0	0	0	0	0	10	54	11	75
186 cm:	0	0	0	0	54	0	0	18	0	0	0	0	72
190 cm:	0	0	0	0	0	0	0	0	0	10	0	0	10
194 cm:	0	0	0	0	0	0	0	0	0	0	0	11	11
198 cm:	0	0	0	0	54	0	0	0	0	0	0	0	54
202 cm:	0	0	0	0	0	0	0	18	15	10	0	11	54
206 cm:	0	6	0	0	0	0	0	0	0	0	54	0	60
210 cm:	0	6	0	0	0	0	0	0	0	0	0	0	6
214 cm:	0	6	0	0	0	0	0	0	0	0	0	0	6
218 cm:	27	0	0	33	0	0	0	0	0	0	0	0	60
222 cm:	0	0	17	11	0	0	0	0	0	0	0	0	28
226 cm:	54	45	52	33	0	0	0	0	0	0	0	0	184
230 cm:	0	0	0	11	0	0	0	0	0	0	0	0	11
TOTAL:	81	69	69	88	108	0	85	36	15	40	108	33	732
RAISED CATCH FROM WHICH SAMPLES WERE TAKEN: (Kg)													
	8,807	7,183	7,708	9,760	6,915	3,860	4,835	2,589	1,213	2,860	8,062	2,404	66,196
NUMBER OF FISH MEASURED:													
	6	11	4	8	2	0	2	2	1	4	2	3	45
WEIGHT OF FISH MEASURED: (Kg)													
	659	1,111	442	880	143	0	113	143	81	263	145	212	4,192

SIZE FREQUENCY DISTRIBUTION

3.6 Black marlin

3.6.4 3 sites combined

INTERVAL	A 86	S 86	O 86	N 86	D 86	J 87	F 87	M 87	A 87	M 87	J 87	J 87	TOTAL
58 cm:	0	0	0	0	0	0	0	0	9	0	0	0	9
...	0	0	0	0	0	0	0	0	0	0	0	0	0
118 cm:	0	0	0	0	0	0	31	0	0	0	0	0	31
122 cm:	0	0	0	0	0	0	0	0	18	0	0	0	18
126 cm:	0	0	0	0	0	0	0	6	0	0	0	0	6
130 cm:	0	0	0	0	0	0	0	0	0	0	0	0	0
134 cm:	14	0	0	0	0	0	27	0	0	0	0	0	41
138 cm:	0	0	0	0	0	0	4	0	0	0	0	0	4
142 cm:	4	0	0	0	0	0	0	0	0	0	0	0	4
146 cm:	0	0	0	0	0	0	0	0	0	0	0	0	0
150 cm:	0	0	0	0	0	0	0	0	0	0	0	0	0
154 cm:	0	35	0	0	0	0	4	0	0	0	0	0	39
158 cm:	4	0	0	6	0	8	0	0	11	0	0	0	29
162 cm:	4	0	9	15	0	9	0	13	0	0	0	0	50
166 cm:	0	5	7	0	5	0	4	0	0	0	0	0	21
170 cm:	33	72	16	9	0	8	4	6	0	0	0	0	148
174 cm:	8	5	0	0	5	0	8	6	0	0	0	0	32
178 cm:	24	5	21	41	0	9	12	17	20	0	0	0	149
182 cm:	0	18	23	28	10	9	50	22	27	0	0	0	187
186 cm:	12	34	30	15	0	57	42	25	27	49	0	46	337
190 cm:	33	16	16	26	5	28	19	0	18	8	0	36	205
194 cm:	33	0	23	39	0	19	27	4	9	47	0	10	211
198 cm:	18	5	39	11	27	57	38	12	0	0	9	0	216
202 cm:	16	45	23	17	42	9	12	25	27	25	0	0	241
206 cm:	18	39	34	22	10	57	31	26	9	25	5	0	276
210 cm:	26	5	23	36	5	19	12	6	0	0	0	0	132
214 cm:	14	23	14	6	0	9	39	13	38	40	0	20	216
218 cm:	41	10	0	9	5	27	15	31	55	17	5	21	236
222 cm:	0	23	7	0	27	36	0	4	0	15	0	0	112
226 cm:	0	18	0	15	27	19	31	14	112	74	16	104	430
230 cm:	14	28	7	6	0	9	26	18	0	34	5	0	147
234 cm:	0	23	0	9	0	9	4	0	0	0	0	0	45
238 cm:	4	0	0	31	0	0	4	0	0	0	0	0	39
242 cm:	4	0	0	0	0	0	0	0	0	0	0	0	4
246 cm:	0	0	0	0	0	0	18	0	0	0	0	0	18
250 cm:	14	0	0	0	0	0	31	0	0	0	0	0	45
254 cm:	0	18	9	0	0	0	0	0	0	0	0	0	27
258 cm:	14	0	7	0	0	0	0	0	0	0	0	0	21
262 cm:	0	0	0	0	0	0	0	0	0	0	0	0	0
266 cm:	14	0	0	0	0	0	0	0	0	0	0	0	14
270 cm:	0	5	0	0	0	0	0	0	0	0	0	0	5
TOTAL:	366	432	308	341	168	398	493	248	380	334	40	237	3,745
RAISED CATCH FROM WHICH SAMPLES WERE TAKEN: (Kg)													
	33,149	36,827	24,257	27,268	14,758	32,920	46,815	19,568	31,813	30,872	4,059	22,379	324,685
NUMBER OF FISH MEASURED:													
	48	41	40	50	15	43	79	50	41	35	7	18	467
WEIGHT OF FISH MEASURED: (Kg)													
	3,831	3,499	3,108	3,815	1,109	3,506	6,374	3,988	3,427	3,247	726	1,804	38,514

INTERVAL	A 87	S 87	O 87	N 87	D 87	J 88	F 88	M 88	A 88	M 88	J 88	J 88	TOTAL
158 cm:	8	0	0	0	0	0	0	0	0	0	0	0	8
162 cm:	0	0	0	0	0	0	0	0	0	0	0	0	0
166 cm:	0	6	0	0	0	0	0	0	0	0	0	0	6
170 cm:	0	0	0	0	25	0	0	0	0	0	0	0	25
174 cm:	0	0	0	0	0	0	0	0	0	0	0	0	0
178 cm:	0	0	0	0	0	0	85	0	0	10	0	0	95
182 cm:	0	0	0	0	0	0	0	0	0	10	54	11	75
186 cm:	0	0	28	0	79	0	0	23	0	0	0	0	130
190 cm:	8	0	0	0	0	0	0	0	0	10	0	0	18
194 cm:	0	0	0	0	0	0	0	0	0	0	0	11	11
198 cm:	0	0	0	0	54	0	0	0	0	0	0	0	54
202 cm:	0	0	28	0	0	0	0	18	15	10	0	11	82
206 cm:	8	6	0	0	0	0	0	0	0	0	54	0	68
210 cm:	0	6	0	0	0	0	0	0	0	0	0	0	6
214 cm:	0	6	0	0	0	0	0	0	0	0	0	0	6
218 cm:	27	0	0	33	0	0	0	0	0	0	0	0	60
222 cm:	0	0	17	11	0	0	0	0	0	0	0	0	28
226 cm:	54	45	52	33	0	0	0	0	0	0	0	0	184
230 cm:	0	0	0	11	0	0	0	0	0	0	0	0	11
234 cm:	0	0	0	0	0	0	0	0	0	0	0	0	0
238 cm:	8	0	0	0	0	0	0	0	0	0	0	0	8
242 cm:	0	0	0	0	0	0	0	0	0	0	0	0	0
246 cm:	0	0	0	0	25	0	0	0	0	0	0	0	25
...	0	0	0	0	0	0	0	0	0	0	0	0	0
266 cm:	0	0	0	0	0	0	0	5	0	0	0	0	5
TOTAL:	113	69	125	88	183	0	85	46	15	40	108	33	905
RAISED CATCH FROM WHICH SAMPLES WERE TAKEN: (Kg)													
	11,493	8,535	11,789	11,631	14,089	4,579	5,014	3,792	1,701	3,416	8,340	3,377	87,756
NUMBER OF FISH MEASURED:													
	10	11	6	8	5	0	2	4	1	4	2	3	56
WEIGHT OF FISH MEASURED: (Kg)													
	987	1,111	589	880	399	0	113	397	81	263	145	212	5,177

SIZE FREQUENCY DISTRIBUTION

3.7 Indo-Pacific Blue marlin

3.7.1 Kandakuliya

INTERVAL	A 86	B 86	O 86	N 86	D 86	J 87	F 87	M 87	A 87	M 87	J 87	J 87	TOTAL
126 cm:	0	0	0	0	0	0	0	8	0	0	0	0	8
...	0	0	0	0	0	0	0	0	0	0	0	0	0
170 cm:	0	0	0	12	0	0	0	0	0	0	0	0	12
174 cm:	0	0	0	0	0	0	0	0	0	0	0	0	0
178 cm:	0	0	0	12	0	0	0	0	0	0	0	0	12
182 cm:	0	0	0	0	0	0	0	0	0	0	0	0	0
186 cm:	0	0	0	0	0	11	0	0	0	0	0	0	11
190 cm:	0	0	0	0	0	0	0	0	5	0	0	0	5
194 cm:	0	0	0	0	0	0	0	8	0	0	0	0	8
198 cm:	0	0	0	0	0	0	0	8	0	0	0	0	8
202 cm:	0	0	0	0	0	0	0	0	0	0	0	0	0
206 cm:	0	0	0	0	0	0	0	8	0	0	0	0	8
210 cm:	0	0	0	0	0	0	0	0	0	0	0	0	0
214 cm:	0	0	0	0	0	0	0	0	0	0	0	0	0
218 cm:	0	0	0	0	0	0	0	0	0	0	0	0	0
222 cm:	0	0	0	12	0	0	0	0	0	0	0	0	12
226 cm:	0	0	0	0	0	0	0	0	0	0	0	0	0
230 cm:	0	0	0	0	54	0	0	0	0	0	0	0	54
234 cm:	0	0	28	0	27	11	0	0	0	0	0	0	66
238 cm:	0	0	0	0	27	22	0	0	0	0	0	0	49
...	0	0	0	0	0	0	0	0	0	0	0	0	0
270 cm:	0	0	28	0	0	0	0	0	0	0	0	0	28
TOTAL:	0	0	56	36	108	44	0	32	5	0	0	0	281

RAISED CATCH FROM WHICH SAMPLES WERE TAKEN: (Kg)

	A 86	B 86	O 86	N 86	D 86	J 87	F 87	M 87	A 87	M 87	J 87	J 87	TOTAL
RAISED CATCH (Kg)	0	2,094	11,079	2,977	16,170	5,951	905	2,320	406	0	0	1,775	43,677
NUMBER OF FISH MEASURED:	0	0	2	3	4	4	0	4	1	0	0	0	18
WEIGHT OF FISH MEASURED: (Kg)	0	0	400	242	594	544	0	287	74	0	0	0	2,141

INTERVAL	A 87	S 87	O 87	N 87	D 87	J 88	F 88	M 88	A 88	M 88	J 88	J 88	TOTAL
142 cm:	0	0	0	0	0	0	0	0	9	0	0	0	9
146 cm:	0	0	0	0	0	0	0	0	0	0	0	0	0
150 cm:	0	0	0	18	0	0	0	0	0	0	0	0	18
...	0	0	0	0	0	0	0	0	0	0	0	0	0
178 cm:	0	0	0	18	50	0	0	520	0	0	0	0	588
182 cm:	0	0	0	0	17	0	0	0	0	0	4	0	21
186 cm:	0	0	0	0	0	0	13	0	0	0	0	0	13
190 cm:	0	0	0	0	17	0	0	0	0	0	0	0	17
194 cm:	0	0	0	0	0	0	0	0	0	0	0	0	0
198 cm:	0	0	16	0	0	0	13	0	9	0	0	0	38
202 cm:	0	0	0	0	33	195	13	520	0	0	0	0	761
206 cm:	0	0	0	18	0	0	0	520	0	0	0	0	538
210 cm:	0	0	0	18	0	0	0	0	0	0	0	0	18
214 cm:	0	0	0	18	0	0	0	0	0	0	0	0	18
218 cm:	0	0	0	18	0	0	0	0	0	0	0	0	18
222 cm:	0	0	0	0	0	0	0	520	0	0	0	0	520
226 cm:	0	0	0	0	0	0	0	0	0	0	0	0	0
230 cm:	0	0	0	0	0	97	0	0	0	0	0	0	97
234 cm:	0	0	16	0	0	0	0	0	0	0	0	0	16
238 cm:	0	0	16	0	0	97	13	0	0	0	0	0	126
242 cm:	0	0	0	18	50	0	0	0	0	0	0	0	68
246 cm:	0	0	0	18	0	0	0	0	0	0	0	0	18
250 cm:	0	0	0	0	0	97	0	0	0	0	0	0	97
254 cm:	0	0	0	0	0	0	0	0	0	0	0	0	0
258 cm:	0	0	0	0	0	0	13	0	9	0	0	0	22
TOTAL:	0	0	48	144	167	486	65	2,080	27	0	4	0	3,021

RAISED CATCH FROM WHICH SAMPLES WERE TAKEN: (Kg)

	A 87	S 87	O 87	N 87	D 87	J 88	F 88	M 88	A 88	M 88	J 88	J 88	TOTAL
RAISED CATCH (Kg)	2,168	2,043	6,387	15,537	17,132	72,379	7,497	205,684	2,774	0	292	0	331,893
NUMBER OF FISH MEASURED:	0	0	4	8	10	5	5	4	3	0	1	0	40
WEIGHT OF FISH MEASURED: (Kg)	0	0	395	874	1,025	683	626	385	322	0	68	0	4,378

SIZE FREQUENCY DISTRIBUTION

3.7 Indo-Pacific Blue marlin

3.7.2 Negombo

INTERVAL	A 86	S 86	O 86	N 86	D 86	J 87	F 87	M 87	A 87	M 87	J 87	J 87	TOTAL
122 cm:	0	0	11	0	0	0	0	0	0	0	0	0	11
126 cm:	0	0	11	0	0	0	8	0	0	0	0	0	19
130 cm:	0	0	0	12	0	0	8	0	37	0	0	0	57
134 cm:	0	0	0	0	0	0	0	0	0	0	22	0	22
138 cm:	0	0	0	0	0	0	8	7	0	0	0	0	15
142 cm:	0	0	0	0	0	0	0	0	0	0	0	0	0
146 cm:	0	0	0	12	0	0	17	0	0	0	0	0	29
150 cm:	0	0	0	0	0	0	0	0	37	0	0	0	37
154 cm:	0	0	0	0	0	0	0	7	0	10	0	0	17
158 cm:	0	0	0	0	0	15	0	20	37	0	0	0	72
162 cm:	0	0	0	0	0	7	8	0	0	0	0	0	15
166 cm:	0	0	32	0	0	0	17	13	0	10	0	0	72
170 cm:	0	0	0	12	13	0	17	7	0	10	22	0	81
174 cm:	0	0	11	12	0	30	0	7	37	21	0	0	118
178 cm:	0	0	11	12	0	15	17	20	37	21	0	0	133
182 cm:	0	0	11	12	0	7	8	47	0	10	22	0	117
186 cm:	0	0	11	0	0	7	17	13	0	0	0	20	68
190 cm:	0	0	11	12	0	0	0	7	0	0	0	0	30
194 cm:	0	0	0	0	0	7	8	20	37	10	0	0	82
198 cm:	0	0	0	0	0	0	0	20	73	0	0	0	93
202 cm:	0	0	0	0	0	0	0	7	0	0	0	0	7
206 cm:	0	0	0	0	0	0	0	20	37	21	0	0	78
210 cm:	0	0	0	0	0	0	0	0	0	10	0	0	10
214 cm:	0	0	11	0	0	0	0	0	37	0	0	0	48
218 cm:	0	0	0	0	0	0	0	0	37	10	0	0	47
222 cm:	0	0	0	12	0	0	0	7	37	21	0	0	77
226 cm:	0	0	0	0	0	0	0	0	0	0	0	0	0
230 cm:	0	0	0	12	0	0	0	0	0	0	0	0	12
234 cm:	0	23	0	12	0	0	0	0	0	0	0	0	35
238 cm:	13	0	0	0	0	0	0	0	0	10	0	0	23
242 cm:	0	0	0	0	0	0	0	7	0	0	0	0	7
246 cm:	0	0	0	0	0	0	0	0	0	0	0	0	0
250 cm:	0	0	0	0	0	0	0	0	0	0	0	0	0
254 cm:	0	0	0	0	0	0	0	0	0	0	0	0	0
258 cm:	0	0	0	0	0	0	0	0	0	10	0	0	10
...	0	0	0	0	0	0	0	0	0	0	0	0	0
286 cm:	0	0	0	0	0	7	0	0	0	0	0	0	7
TOTAL:	13	23	120	120	13	95	133	229	443	174	66	20	1,449
RAISED CATCH FROM WHICH SAMPLES WERE TAKEN: (Kg)													
	2,046	3,564	6,098	9,500	698	7,447	6,637	16,258	33,870	16,289	3,216	1,375	106,998
NUMBER OF FISH MEASURED:													
	1	1	11	10	1	13	16	34	12	17	3	1	120
WEIGHT OF FISH MEASURED: (Kg)													
	161	153	568	783	52	994	798	2,418	927	1,576	147	70	8,647

INTERVAL	A 87	S 87	O 87	N 87	D 87	J 88	F 88	M 88	A 88	M 88	J 88	J 88	TOTAL
154 cm:	16	0	0	0	0	0	0	0	0	16	0	0	32
158 cm:	0	0	53	0	0	0	0	0	0	0	0	0	53
162 cm:	32	43	0	0	0	0	0	0	0	0	0	0	75
166 cm:	0	0	53	0	0	0	0	0	0	0	0	0	53
170 cm:	0	0	53	0	0	0	50	0	0	0	0	0	103
174 cm:	0	0	53	0	0	0	0	0	0	0	0	0	53
178 cm:	16	0	0	0	0	0	0	0	0	0	0	0	16
182 cm:	0	0	0	0	0	0	0	0	0	0	0	0	0
186 cm:	0	21	0	0	0	0	0	0	0	0	0	0	21
190 cm:	0	0	0	0	0	0	0	84	0	0	0	0	84
194 cm:	16	0	0	0	0	0	0	0	0	0	0	0	16
198 cm:	0	0	0	0	112	0	0	0	0	0	0	0	112
202 cm:	0	0	0	0	0	0	0	0	0	0	0	0	0
206 cm:	0	0	105	157	0	0	0	0	0	0	0	0	262
210 cm:	0	0	0	0	0	0	0	0	0	0	0	0	0
214 cm:	0	0	0	0	0	127	0	0	0	8	0	0	135
218 cm:	0	0	53	0	0	0	0	0	0	0	0	0	53
222 cm:	0	0	0	0	0	0	0	0	0	0	0	0	0
226 cm:	0	0	0	0	0	0	0	0	0	0	0	0	0
230 cm:	0	0	0	0	0	0	0	0	0	0	0	0	0
234 cm:	0	0	0	157	0	0	0	0	0	0	0	0	157
238 cm:	0	0	0	157	0	0	0	0	0	0	0	0	157
...	0	0	0	0	0	0	0	0	0	0	0	0	0
258 cm:	0	0	53	0	0	0	0	0	0	0	0	0	53
TOTAL:	80	64	423	471	112	127	50	84	0	24	0	0	1,435
RAISED CATCH FROM WHICH SAMPLES WERE TAKEN: (Kg)													
	4,267	3,391	38,105	65,042	9,488	14,197	2,614	6,396	1,050	1,471	695	139	146,855
NUMBER OF FISH MEASURED:													
	5	3	8	3	1	1	1	1	0	3	0	0	26
WEIGHT OF FISH MEASURED: (Kg)													
	267	158	725	415	85	112	52	76	0	189	0	0	2,079

3.7 Indo-Pacific Blue marlin

3.7.3 Beruwala

INTERVAL	A 86	S 86	O 86	N 86	D 86	J 87	F 87	M 87	A 87	M 87	J 87	J 87	TOTAL
74 cm:	0	0	0	0	0	0	0	0	7	0	0	0	7
...	0	0	0	0	0	0	0	0	0	0	0	0	0
98 cm:	0	0	0	0	4	0	0	0	0	0	0	0	4
102 cm:	0	0	0	0	4	0	0	0	0	0	0	0	4
106 cm:	0	0	0	0	0	0	0	0	0	0	0	0	0
110 cm:	0	0	0	0	4	0	0	0	0	0	0	0	4
114 cm:	0	0	0	0	0	0	0	0	0	0	0	0	0
118 cm:	0	0	0	0	0	0	0	4	0	0	0	0	4
122 cm:	0	0	0	0	0	0	0	0	0	0	0	0	0
126 cm:	0	0	0	0	0	0	4	0	0	0	0	0	4
130 cm:	0	0	0	0	0	0	8	0	0	0	0	0	8
134 cm:	0	0	0	0	0	0	4	0	0	0	0	0	4
138 cm:	0	0	0	0	0	0	24	0	0	0	0	0	24
142 cm:	0	0	0	0	0	0	27	0	0	0	0	0	27
146 cm:	4	0	0	5	0	0	4	0	0	0	0	0	13
150 cm:	0	0	0	0	0	0	8	0	0	0	0	0	8
154 cm:	4	0	0	5	0	0	0	0	0	0	0	0	9
158 cm:	0	5	0	0	4	0	0	0	0	0	0	0	9
162 cm:	4	0	0	0	4	0	0	0	0	0	0	0	8
166 cm:	4	0	7	5	4	0	0	0	0	0	0	0	20
170 cm:	25	10	7	11	4	17	0	0	0	0	0	0	74
174 cm:	13	5	0	11	4	11	4	20	7	0	0	0	75
178 cm:	30	10	7	16	4	0	16	12	52	0	0	60	207
182 cm:	25	5	14	5	4	11	12	12	0	98	33	100	319
186 cm:	0	5	7	33	4	39	4	16	7	86	55	161	417
190 cm:	17	10	14	16	13	28	8	8	15	62	0	20	211
194 cm:	4	20	21	16	0	20	4	4	15	12	33	80	237
198 cm:	0	10	7	5	4	11	0	4	30	37	11	121	240
202 cm:	4	20	7	16	4	11	0	8	7	98	22	221	418
206 cm:	4	5	14	5	4	11	4	4	52	62	33	100	298
210 cm:	8	10	21	5	4	0	4	12	7	111	11	20	213
214 cm:	21	0	14	11	4	6	8	8	0	0	11	0	83
218 cm:	0	0	7	0	4	0	0	8	0	0	0	0	19
222 cm:	0	0	0	0	0	0	4	4	0	0	0	0	8
226 cm:	0	0	0	0	4	6	0	0	0	0	0	0	10
230 cm:	8	5	0	0	4	11	0	4	0	0	0	0	32
234 cm:	0	10	0	0	4	6	0	0	0	0	0	0	20
238 cm:	4	5	0	0	0	0	0	0	0	0	0	0	9
242 cm:	0	0	0	0	0	11	0	0	0	0	0	0	11
246 cm:	0	0	0	0	0	6	0	0	0	0	0	0	6
250 cm:	4	0	0	0	4	0	0	0	0	0	0	0	8
...	0	0	0	0	0	0	0	0	0	0	0	0	0
286 cm:	0	0	0	0	4	0	0	0	0	0	0	0	4
...	0	0	0	0	0	0	0	0	0	0	0	0	0
326 cm:	0	5	0	0	0	0	0	0	0	0	0	0	5
TOTAL:	183	140	147	165	101	213	147	128	199	566	209	883	3,081

RAISED CATCH FROM WHICH SAMPLES WERE TAKEN: (Kg)

13,942	14,491	12,326	11,541	9,510	19,172	7,470	10,846	15,762	48,293	17,113	71,080	251,546

NUMBER OF FISH MEASURED:

44	28	21	31	25	38	37	32	27	46	19	44	392

WEIGHT OF FISH MEASURED: (Kg)

3,298	2,772	1,797	2,265	2,226	3,412	1,901	2,601	2,117	3,923	1,583	3,632	31,527

INTERVAL	A 87	S 87	O 87	N 87	D 87	J 88	F 88	M 88	A 88	M 88	J 88	J 88	TOTAL
78 cm:	0	0	0	0	0	0	0	0	0	0	0	7	7
82 cm:	0	0	0	0	0	0	0	0	0	0	0	0	0
86 cm:	0	0	0	0	0	0	0	0	0	0	0	7	7
...	0	0	0	0	0	0	0	0	0	0	0	0	0
158 cm:	0	0	0	0	0	0	0	0	0	0	0	7	7
162 cm:	0	0	0	0	0	0	0	0	0	0	0	7	7
166 cm:	0	0	0	0	0	0	35	0	116	7	0	7	165
170 cm:	0	0	0	0	0	0	35	0	0	7	0	7	49
174 cm:	0	0	0	0	0	0	0	0	0	0	0	0	0
178 cm:	0	14	0	0	0	0	0	0	0	27	0	0	41
182 cm:	0	14	20	68	0	12	0	0	0	7	0	7	128
186 cm:	125	57	81	23	0	0	0	147	0	7	104	15	559
190 cm:	42	29	40	23	0	0	0	0	0	0	0	7	141
194 cm:	0	0	0	46	0	0	0	147	0	14	0	7	214
198 cm:	62	43	162	137	0	0	0	0	0	0	0	15	419
202 cm:	208	43	40	91	0	0	0	0	116	0	104	0	602
206 cm:	62	86	101	23	0	0	0	0	0	0	0	0	272
210 cm:	21	14	0	0	0	0	0	0	0	0	0	0	35
TOTAL:	520	300	444	411	0	12	70	294	232	69	208	93	2,653

RAISED CATCH FROM WHICH SAMPLES WERE TAKEN: (Kg)

45,132	24,667	38,060	34,714	1,218	794	3,570	21,981	17,107	4,779	17,633	5,590	215,245

NUMBER OF FISH MEASURED:

25	21	22	18	0	1	2	2	2	15	2	13	123

WEIGHT OF FISH MEASURED: (Kg)

2,172	1,723	1,885	1,522	0	66	102	151	143	642	166	729	9,301

SIZE FREQUENCY DISTRIBUTION

3.7 Indo-Pacific Blue marlin

3.7.4 3 sites combined

INTERVAL	A 86	S 86	O 86	N 86	D 86	J 87	F 87	M 87	A 87	M 87	J 87	J 87	TOTAL
74 cm:	0	0	0	0	0	0	0	0	7	0	0	0	7
...	0	0	0	0	0	0	0	0	0	0	0	0	0
98 cm:	0	0	0	0	4	0	0	0	0	0	0	0	4
102 cm:	0	0	0	0	4	0	0	0	0	0	0	0	4
106 cm:	0	0	0	0	0	0	0	0	0	0	0	0	0
110 cm:	0	0	0	0	4	0	0	0	0	0	0	0	4
114 cm:	0	0	0	0	0	0	0	0	0	0	0	0	0
118 cm:	0	0	0	0	0	0	0	4	0	0	0	0	4
122 cm:	0	0	11	0	0	0	0	0	0	0	0	0	11
126 cm:	0	0	11	0	0	0	12	8	0	0	0	0	31
130 cm:	0	0	0	12	0	0	16	0	37	0	0	0	65
134 cm:	0	0	0	0	0	0	4	0	0	0	22	0	26
138 cm:	0	0	0	0	0	0	32	7	0	0	0	0	39
142 cm:	0	0	0	0	0	0	27	0	0	0	0	0	27
146 cm:	4	0	0	17	0	0	21	0	0	0	0	0	42
150 cm:	0	0	0	0	0	0	8	0	37	0	0	0	45
154 cm:	4	0	0	5	0	0	0	7	0	10	0	0	26
158 cm:	0	5	0	0	4	15	0	20	37	0	0	0	81
162 cm:	4	0	0	0	4	7	8	0	0	0	0	0	23
166 cm:	4	0	39	5	4	0	17	13	0	10	0	0	92
170 cm:	25	10	7	35	17	17	17	7	0	10	22	0	167
174 cm:	13	5	11	23	4	41	4	27	44	21	0	0	193
178 cm:	30	10	18	40	4	15	33	32	89	21	0	60	352
182 cm:	25	5	25	17	4	18	20	59	0	108	55	100	436
186 cm:	0	5	18	33	4	57	21	29	7	86	55	181	496
190 cm:	17	10	25	28	13	28	8	15	20	62	0	20	246
194 cm:	4	20	21	16	0	35	12	32	52	22	33	80	327
198 cm:	0	10	7	5	4	11	0	32	103	37	11	121	341
202 cm:	4	20	7	16	4	11	0	15	7	98	22	221	425
206 cm:	4	5	14	5	4	11	4	32	89	83	33	100	384
210 cm:	8	10	21	5	4	0	4	12	7	121	11	20	223
214 cm:	21	0	25	11	4	6	8	8	37	0	11	0	131
218 cm:	0	0	7	0	4	0	0	8	37	10	0	0	66
222 cm:	0	0	0	24	0	0	4	11	37	21	0	0	97
226 cm:	0	0	0	0	4	6	0	0	0	0	0	0	10
230 cm:	8	5	0	12	58	11	0	4	0	0	0	0	98
234 cm:	0	33	28	12	31	17	0	0	0	0	0	0	121
238 cm:	17	5	0	0	27	22	0	0	0	10	0	0	81
242 cm:	0	0	0	0	0	11	0	7	0	0	0	0	18
246 cm:	0	0	0	0	0	6	0	0	0	0	0	0	6
250 cm:	4	0	0	0	4	0	0	0	0	0	0	0	8
254 cm:	0	0	0	0	0	0	0	0	0	0	0	0	0
258 cm:	0	0	0	0	0	0	0	0	0	10	0	0	10
262 cm:	0	0	0	0	0	0	0	0	0	0	0	0	0
266 cm:	0	0	0	0	0	0	0	0	0	0	0	0	0
270 cm:	0	0	28	0	0	0	0	0	0	0	0	0	28
...	0	0	0	0	0	0	0	0	0	0	0	0	0
286 cm:	0	0	0	0	4	7	0	0	0	0	0	0	11
...	0	0	0	0	0	0	0	0	0	0	0	0	0
326 cm:	0	5	0	0	0	0	0	0	0	0	0	0	5
TOTAL:	196	163	323	321	222	352	280	389	647	740	275	903	4,811
RAISED CATCH FROM WHICH SAMPLES WERE TAKEN: (Kg)													
	15,988	20,149	29,503	24,018	26,378	32,570	15,012	29,424	50,030	64,582	20,329	74,230	402,221
NUMBER OF FISH MEASURED:													
	45	29	34	44	30	55	53	70	40	63	22	45	530
WEIGHT OF FISH MEASURED: (Kg)													
	3,459	2,925	2,765	3,290	2,872	4,950	2,699	5,306	3,118	5,499	1,730	3,702	42,315

INTERVAL	A 87	S 87	O 87	N 87	D 87	J 88	F 88	M 88	A 88	M 88	J 88	J 88	TOTAL
78 cm:	0	0	0	0	0	0	0	0	0	0	0	7	7
82 cm:	0	0	0	0	0	0	0	0	0	0	0	0	0
86 cm:	0	0	0	0	0	0	0	0	0	0	0	7	7
...	0	0	0	0	0	0	0	0	0	0	0	0	0
142 cm:	0	0	0	0	0	0	0	0	9	0	0	0	9
146 cm:	0	0	0	0	0	0	0	0	0	0	0	0	0
150 cm:	0	0	0	18	0	0	0	0	0	0	0	0	18
154 cm:	16	0	0	0	0	0	0	0	0	16	0	0	32
158 cm:	0	0	53	0	0	0	0	0	0	0	0	7	60
162 cm:	32	43	0	0	0	0	0	0	0	0	0	7	82
166 cm:	0	0	53	0	0	0	35	0	116	7	0	7	218
170 cm:	0	0	53	0	0	0	85	0	0	7	0	7	152
174 cm:	0	0	53	0	0	0	0	0	0	0	0	0	53
178 cm:	16	14	0	18	50	0	0	520	0	27	0	0	645
182 cm:	0	14	20	68	17	12	0	0	0	7	4	7	149
186 cm:	125	78	81	23	0	0	13	147	0	7	104	15	593
190 cm:	42	29	40	23	17	0	0	84	0	0	0	7	242
194 cm:	16	0	0	46	0	0	0	147	0	14	0	7	230
198 cm:	62	43	178	137	112	0	13	0	9	0	0	15	569
202 cm:	208	43	40	91	33	195	13	520	116	0	104	0	1,363
206 cm:	62	86	206	198	0	0	0	520	0	0	0	0	1,072
210 cm:	21	14	0	18	0	0	0	0	0	0	0	0	53
214 cm:	0	0	0	18	0	127	0	0	0	8	0	0	153
218 cm:	0	0	53	18	0	0	0	0	0	0	0	0	71
222 cm:	0	0	0	0	0	0	0	520	0	0	0	0	520
226 cm:	0	0	0	0	0	0	0	0	0	0	0	0	0
230 cm:	0	0	0	0	0	97	0	0	0	0	0	0	97
234 cm:	0	0	16	157	0	0	0	0	0	0	0	0	173
238 cm:	0	0	16	157	0	97	13	0	0	0	0	0	283
242 cm:	0	0	0	18	50	0	0	0	0	0	0	0	68
246 cm:	0	0	0	18	0	0	0	0	0	0	0	0	18
250 cm:	0	0	0	0	0	97	0	0	0	0	0	0	97
254 cm:	0	0	0	0	0	0	0	0	0	0	0	0	0
258 cm:	0	0	53	0	0	0	13	0	9	0	0	0	75
TOTAL:	600	364	915	1,026	279	625	185	2,458	259	93	212	93	7,109
RAISED CATCH FROM WHICH SAMPLES WERE TAKEN: (Kg)													
	51,567	30,101	82,552	115,293	27,838	87,370	13,681	234,061	20,931	6,250	18,620	5,729	693,993
NUMBER OF FISH MEASURED:													
	30	24	34	29	11	7	8	7	5	18	3	13	189
WEIGHT OF FISH MEASURED: (Kg)													
	2,439	1,881	3,005	2,811	1,110	861	780	612	465	831	234	729	15,758

SIZE FREQUENCY DISTRIBUTION

3.8 Indo-Pacific sailfish

3.8.1 Kandakuliya

INTERVAL	A 86	S 86	O 86	N 86	D 86	J 87	F 87	M 87	A 87	M 87	J 87	J 87	TOTAL
98 cm:	126	0	0	0	0	0	0	0	0	0	0	0	126
...	0	0	0	0	0	0	0	0	0	0	0	0	0
130 cm:	0	0	0	0	0	0	6	0	0	0	0	0	6
134 cm:	0	0	0	0	0	0	0	0	0	0	0	0	0
138 cm:	0	0	0	0	0	0	0	0	0	0	0	0	0
142 cm:	0	0	0	2	0	0	0	0	0	0	0	0	2
146 cm:	0	0	0	0	0	0	0	0	0	0	0	0	0
150 cm:	0	0	0	0	0	0	0	0	0	0	0	0	0
154 cm:	0	0	0	2	0	0	0	0	0	0	0	0	2
158 cm:	0	0	0	0	0	0	6	0	0	0	0	0	6
...	0	0	0	0	0	0	0	0	0	0	0	0	0
178 cm:	126	0	0	0	0	0	0	0	0	0	0	0	126
182 cm:	0	0	0	0	0	0	0	0	0	0	0	0	0
202 cm:	0	0	0	0	0	0	0	0	5	0	0	0	5
TOTAL:	252	0	0	4	0	0	12	0	5	0	0	0	273
RAISED CATCH FROM WHICH SAMPLES WERE TAKEN: (Kg)													
	2,391	698	0	87	794	0	247	0	285	0	0	0	4,502
NUMBER OF FISH MEASURED:													
	2	0	0	2	0	0	2	0	1	0	0	0	7
WEIGHT OF FISH MEASURED: (Kg)													
	19	0	0	43	0	0	41	0	52	0	0	0	155

INTERVAL	A 87	S 87	O 87	N 87	D 87	J 88	F 88	M 88	A 88	M 88	J 88	J 88	TOTAL
102 cm:	0	0	18	0	0	0	0	0	0	0	0	0	18
...	0	0	0	0	0	0	0	0	0	0	0	0	0
154 cm:	0	0	0	0	0	0	0	0	7	0	0	0	7
158 cm:	0	0	0	0	0	0	0	0	0	0	0	0	0
162 cm:	0	0	0	0	0	0	0	0	0	0	0	0	0
166 cm:	0	0	18	0	0	0	0	0	0	0	0	0	18
170 cm:	0	0	0	0	0	0	0	0	0	0	0	0	0
174 cm:	0	0	0	0	31	0	0	0	0	0	0	0	31
178 cm:	0	0	18	0	31	9	0	11	7	0	0	0	76
182 cm:	0	0	18	0	0	0	0	0	0	0	0	0	18
...	0	0	0	0	0	0	0	0	0	0	0	0	0
202 cm:	0	0	0	12	0	0	0	0	0	0	0	0	12
TOTAL:	0	0	72	12	62	9	0	11	14	0	0	0	180
RAISED CATCH FROM WHICH SAMPLES WERE TAKEN: (Kg)													
	289	621	1,939	606	2,138	357	201	411	398	138	0	0	7,098
NUMBER OF FISH MEASURED:													
	0	0	4	1	2	1	0	1	2	0	0	0	11
WEIGHT OF FISH MEASURED: (Kg)													
	0	0	110	50	70	35	0	35	59	0	0	0	359

SIZE FREQUENCY DISTRIBUTION

3.8 Indo-Pacific sailfish

3.8.2 Negombo

INTERVAL	A 86	S 86	O 86	N 86	D 86	J 87	F 87	M 87	A 87	M 87	J 87	J 87	TOTAL
66 cm:	0	0	0	0	0	0	0	0	0	0	9	12	21
70 cm:	0	0	0	0	0	0	0	0	0	13	0	23	36
74 cm:	0	0	0	0	0	0	0	0	0	0	0	0	0
78 cm:	0	0	0	0	0	0	0	0	0	0	0	0	0
82 cm:	0	0	0	0	0	0	0	0	0	0	17	0	17
86 cm:	0	0	0	0	0	0	0	0	0	0	0	35	35
90 cm:	0	0	0	0	0	0	0	0	0	0	0	12	12
94 cm:	14	0	0	0	0	0	0	0	0	0	0	0	14
98 cm:	14	0	0	0	0	0	0	0	13	0	0	0	27
102 cm:	0	0	0	0	0	0	0	0	0	0	0	0	0
106 cm:	14	0	0	7	0	0	0	0	0	0	0	0	21
110 cm:	14	0	26	7	0	0	0	0	0	0	0	0	47
114 cm:	14	0	26	0	0	0	0	0	0	0	0	0	40
118 cm:	14	0	0	0	0	0	0	0	0	0	0	0	14
122 cm:	0	0	39	15	0	0	0	0	0	0	0	0	54
126 cm:	0	0	26	0	13	17	0	9	0	0	0	0	65
130 cm:	0	0	26	7	13	17	0	0	0	0	0	0	63
134 cm:	14	0	13	0	13	0	0	9	0	13	0	0	62
138 cm:	0	0	0	7	0	0	0	0	13	0	0	0	20
142 cm:	0	0	26	0	0	0	0	9	13	0	9	0	57
146 cm:	14	0	39	0	13	17	0	0	27	13	9	0	132
150 cm:	14	0	26	7	0	17	0	0	13	0	0	0	77
154 cm:	14	53	13	7	0	0	0	18	13	13	0	0	131
158 cm:	0	53	0	7	13	0	0	18	27	26	0	0	144
162 cm:	14	53	13	0	0	0	0	9	80	38	17	0	224
166 cm:	28	53	26	7	0	0	0	18	13	13	9	12	179
170 cm:	0	0	52	15	13	0	0	9	40	38	26	12	205
174 cm:	0	53	65	0	0	0	0	0	53	26	35	23	255
178 cm:	0	0	0	15	0	0	0	18	66	0	17	12	128
182 cm:	14	53	26	0	0	0	0	0	27	26	0	23	169
186 cm:	14	0	0	0	0	0	0	0	53	0	0	12	79
190 cm:	14	0	13	0	0	0	21	0	13	0	9	12	82
194 cm:	14	0	13	0	0	0	0	0	13	0	9	0	49
198 cm:	28	0	13	0	0	0	0	0	13	0	9	12	75
202 cm:	42	0	0	0	0	0	0	0	0	13	0	0	55
206 cm:	56	53	0	0	0	17	0	0	0	0	0	0	126
210 cm:	28	0	0	0	0	0	0	0	0	0	0	0	28
214 cm:	28	0	0	0	0	0	0	0	0	0	0	0	28
218 cm:	0	0	0	0	0	0	0	0	0	0	0	0	0
222 cm:	0	0	0	0	0	0	0	0	0	0	0	0	0
226 cm:	0	0	0	0	0	17	0	0	0	0	0	0	17
...	0	0	0	0	0	0	0	0	0	0	0	0	0
318 cm:	14	0	0	0	0	0	0	0	0	0	0	0	14
TOTAL:	434	371	481	101	78	102	21	117	490	232	175	200	2,802
RAISED CATCH FROM WHICH SAMPLES WERE TAKEN: (Kg)													
	17,526	12,193	11,406	2,291	1,574	3,276	893	2,968	14,809	6,565	4,875	4,612	82,980
NUMBER OF FISH MEASURED:													
	31	7	37	14	6	6	1	13	38	18	20	17	208
WEIGHT OF FISH MEASURED: (Kg)													
	1,250	232	876	311	121	192	43	334	1,115	514	564	394	5,946

INTERVAL	A 87	S 87	O 87	N 87	D 87	J 88	F 88	M 88	A 88	M 88	J 88	J 88	TOTAL
78 cm:	0	28	0	0	0	0	0	0	0	0	0	0	28
82 cm:	38	0	0	0	0	0	0	0	0	0	0	0	38
86 cm:	114	84	0	0	0	0	0	0	0	0	0	0	198
90 cm:	153	56	0	0	0	0	0	0	0	0	0	0	209
94 cm:	38	56	0	0	0	0	0	0	0	0	0	0	94
98 cm:	191	84	0	0	0	0	0	0	0	0	0	0	275
102 cm:	38	28	76	0	0	0	0	8	0	0	0	0	150
106 cm:	38	28	76	0	0	0	0	0	0	0	0	0	142
110 cm:	191	0	76	0	0	0	0	17	0	0	0	0	284
114 cm:	38	0	0	0	0	0	0	8	15	20	70	0	151
118 cm:	114	28	0	0	0	0	0	8	0	0	0	0	150
122 cm:	0	28	0	0	0	0	0	0	0	0	0	0	28
126 cm:	0	0	151	0	0	0	0	0	15	0	0	0	166
130 cm:	0	0	0	0	0	14	0	0	0	0	0	0	14
134 cm:	38	28	0	0	0	14	0	0	0	0	0	0	80
138 cm:	0	0	0	0	0	14	0	0	0	0	0	0	14
142 cm:	0	0	0	0	144	0	0	8	0	0	0	0	152
146 cm:	0	28	0	0	0	0	0	0	0	0	0	0	28
150 cm:	0	0	0	0	0	0	0	0	0	0	0	0	0
154 cm:	0	0	0	0	0	0	0	0	15	0	0	0	15
158 cm:	0	0	0	0	0	0	0	0	15	0	0	0	15
162 cm:	38	28	0	0	0	0	0	0	0	0	0	0	66
166 cm:	0	0	0	0	0	0	0	0	0	0	0	0	0
170 cm:	114	28	76	0	0	0	0	0	0	0	0	0	218
174 cm:	0	0	0	83	0	0	0	0	0	0	0	77	160
178 cm:	0	0	0	0	0	0	0	0	0	0	0	0	0
182 cm:	0	0	0	83	0	0	0	0	15	0	0	0	98
186 cm:	0	0	0	0	0	0	0	0	0	0	0	0	0
190 cm:	38	0	0	0	0	0	0	0	0	0	0	0	38
TOTAL:	1,181	532	455	166	144	42	0	49	75	20	70	77	2,811
RAISED CATCH FROM WHICH SAMPLES WERE TAKEN: (Kg)													
	13,046	5,459	6,279	5,799	2,889	685	428	557	1,623	195	695	2,630	40,285
NUMBER OF FISH MEASURED:													
	31	19	6	2	1	3	0	6	5	1	1	1	76
WEIGHT OF FISH MEASURED: (Kg)													
	342	194	83	70	20	49	0	67	111	10	10	34	990

SIZE FREQUENCY DISTRIBUTION

3.8 Indo-Pacific sailfish

3.8.3 Beruwala

INTERVAL	A 86	S 86	O 86	N 86	D 86	J 87	F 87	M 87	A 87	M 87	J 87	J 87	TOTAL
86 cm:	0	0	0	0	0	0	0	0	0	11	0	115	126
90 cm:	0	0	0	0	0	0	0	0	0	0	0	77	77
94 cm:	0	0	0	0	0	0	0	0	0	0	0	173	173
98 cm:	0	8	0	0	0	0	0	0	0	0	0	58	66
102 cm:	0	8	0	0	0	0	0	0	0	11	0	154	173
106 cm:	12	0	0	0	0	0	4	0	0	0	0	77	93
110 cm:	8	8	0	0	0	0	0	0	0	0	0	19	35
114 cm:	4	8	0	0	0	0	0	0	0	0	0	77	89
118 cm:	8	8	0	6	0	0	0	0	0	11	0	19	52
122 cm:	0	4	6	12	4	0	0	0	0	0	0	0	26
126 cm:	4	4	0	12	0	0	0	0	0	11	0	0	31
130 cm:	4	8	0	0	0	0	0	0	0	0	0	0	12
134 cm:	4	11	0	6	0	0	0	0	0	0	0	0	21
138 cm:	4	4	0	0	0	0	8	4	0	0	0	0	20
142 cm:	4	0	6	18	0	0	8	4	0	0	0	0	40
146 cm:	4	11	0	12	0	0	8	0	0	0	0	0	35
150 cm:	12	4	0	0	0	0	0	4	0	0	0	0	20
154 cm:	12	11	0	18	0	0	8	4	0	0	0	0	53
158 cm:	33	15	11	12	4	5	0	24	38	33	0	19	194
162 cm:	67	8	11	24	16	16	12	56	122	45	0	19	396
166 cm:	71	19	23	30	24	38	8	8	94	167	79	250	811
170 cm:	92	6	17	18	12	22	8	8	56	45	0	38	324
174 cm:	29	34	40	42	4	38	12	4	19	11	23	19	275
178 cm:	71	46	23	42	20	66	20	12	19	33	0	19	371
182 cm:	37	38	34	24	16	33	20	20	66	56	57	19	420
186 cm:	42	15	34	36	24	44	8	4	9	33	0	77	326
190 cm:	33	38	34	24	8	22	4	16	85	45	11	19	339
194 cm:	0	11	28	18	0	16	8	20	56	33	11	58	259
198 cm:	4	11	28	18	0	11	12	24	47	45	0	19	219
202 cm:	0	11	6	12	4	16	8	8	19	78	45	173	380
206 cm:	4	4	0	6	0	16	0	12	9	22	23	38	134
210 cm:	0	8	6	6	0	16	0	4	0	22	0	0	62
214 cm:	0	0	0	0	4	5	0	4	0	0	0	0	13
218 cm:	0	0	6	0	0	0	0	0	0	0	0	0	6
222 cm:	0	0	0	0	0	0	0	0	0	0	0	0	0
226 cm:	0	0	0	0	0	0	0	0	0	0	0	0	0
230 cm:	0	4	0	0	0	0	0	0	0	0	0	0	4
234 cm:	0	0	0	0	0	0	0	0	0	0	0	0	0
238 cm:	0	4	0	0	0	0	0	0	0	0	0	0	4
TOTAL:	563	371	313	396	140	364	156	240	639	712	249	1,536	5,679
RAISED CATCH FROM WHICH SAMPLES WERE TAKEN: (Kg)													
	17,296	13,663	11,813	11,856	4,793	14,282	5,136	8,884	22,904	25,758	9,633	34,056	180,074
NUMBER OF FISH MEASURED:													
	136	97	55	66	35	67	39	60	68	64	22	80	789
WEIGHT OF FISH MEASURED: (Kg)													
	4,153	3,154	2,074	2,097	1,207	2,572	1,295	2,171	2,431	2,307	858	1,789	26,108

INTERVAL	A 87	S 87	O 87	N 87	D 87	J 88	F 88	M 88	A 88	M 88	J 88	J 88	TOTAL
86 cm:	46	0	0	0	0	0	0	0	0	0	0	0	46
90 cm:	35	0	0	0	11	0	0	0	0	0	0	0	46
94 cm:	23	10	0	0	0	0	0	0	0	5	0	7	45
98 cm:	69	0	0	0	0	0	0	0	0	0	0	15	84
102 cm:	35	0	0	0	0	0	0	0	0	0	0	7	42
106 cm:	12	0	37	0	0	0	0	0	0	0	0	0	49
110 cm:	46	61	19	0	0	9	0	0	0	0	0	0	135
114 cm:	46	30	0	0	0	0	0	0	0	5	0	0	81
118 cm:	23	61	0	0	0	0	0	0	0	5	0	15	104
122 cm:	0	20	0	0	0	0	0	0	0	0	0	0	20
126 cm:	0	10	19	0	11	9	0	0	0	0	0	0	49
130 cm:	0	30	0	0	0	0	0	0	0	0	0	0	30
134 cm:	0	10	0	0	0	0	0	0	0	5	0	0	15
138 cm:	0	20	0	0	0	0	0	20	0	0	0	0	40
142 cm:	0	0	0	0	0	0	0	0	0	0	0	0	0
146 cm:	0	0	0	0	11	0	0	20	0	5	0	7	43
150 cm:	0	0	0	0	0	0	0	0	0	5	0	0	5
154 cm:	0	0	0	0	0	0	0	0	0	5	0	0	5
158 cm:	0	0	0	0	0	0	24	20	0	0	0	15	59
162 cm:	0	20	0	0	21	9	48	81	0	19	0	0	198
166 cm:	150	51	112	198	32	18	48	20	0	33	53	7	722
170 cm:	35	30	0	18	21	9	0	61	0	14	0	0	188
174 cm:	12	0	19	0	11	18	48	0	0	19	0	0	127
178 cm:	0	0	19	18	11	26	120	61	0	14	214	29	512
182 cm:	0	10	56	36	11	9	24	20	53	19	53	0	291
186 cm:	0	0	0	0	42	9	0	0	0	5	53	7	116
190 cm:	35	0	19	36	0	18	0	61	0	10	53	0	232
194 cm:	23	71	0	18	11	0	0	0	106	0	0	29	258
198 cm:	23	20	37	36	11	0	0	0	53	0	0	7	187
202 cm:	69	61	93	72	21	0	0	0	0	0	0	0	316
206 cm:	12	10	19	36	0	0	0	0	0	0	0	0	77
210 cm:	0	0	0	18	0	0	0	0	0	0	0	0	18
TOTAL:	694	525	449	486	225	134	312	364	212	168	426	145	4,140
RAISED CATCH FROM WHICH SAMPLES WERE TAKEN: (Kg)													
	15,816	12,316	15,538	19,015	6,553	4,258	11,183	11,308	9,722	5,380	15,872	4,231	131,192
NUMBER OF FISH MEASURED:													
	60	52	24	27	21	15	13	18	4	35	8	20	297
WEIGHT OF FISH MEASURED: (Kg)													
	1,378	1,214	834	1,052	706	476	423	569	179	1,026	291	548	8,696

SIZE FREQUENCY DISTRIBUTION

3.8 Indo-Pacific sailfish
3.8.4 3 sites combined

INTERVAL	A 86	S 86	O 86	N 86	D 86	J 87	F 87	M 87	A 87	M 87	J 87	J 87	TOTAL
66 cm:	0	0	0	0	0	0	0	0	0	0	9	12	21
70 cm:	0	0	0	0	0	0	0	0	0	13	0	23	36
74 cm:	0	0	0	0	0	0	0	0	0	0	0	0	0
78 cm:	0	0	0	0	0	0	0	0	0	0	0	0	0
82 cm:	0	0	0	0	0	0	0	0	0	0	17	0	17
86 cm:	0	0	0	0	0	0	0	0	0	11	0	150	161
90 cm:	0	0	0	0	0	0	0	0	0	0	0	89	89
94 cm:	14	0	0	0	0	0	0	0	0	0	0	173	187
98 cm:	140	8	0	0	0	0	0	0	13	0	0	58	219
102 cm:	0	8	0	0	0	0	0	0	0	11	0	154	173
106 cm:	26	0	0	7	0	0	4	0	0	0	0	77	114
110 cm:	22	8	26	7	0	0	0	0	0	0	0	19	82
114 cm:	18	8	26	0	0	0	0	0	0	0	0	77	129
118 cm:	22	8	0	6	0	0	0	0	0	11	0	19	66
122 cm:	0	4	45	27	4	0	0	0	0	0	0	0	80
126 cm:	4	4	26	12	13	17	0	9	0	11	0	0	96
130 cm:	4	8	26	7	13	17	6	0	0	0	0	0	81
134 cm:	18	11	13	6	13	0	0	9	0	13	0	0	83
138 cm:	4	4	0	7	0	0	8	4	13	0	0	0	40
142 cm:	4	0	32	20	0	0	8	13	13	0	9	0	99
146 cm:	18	11	39	12	13	17	8	0	27	13	9	0	167
150 cm:	26	4	26	7	0	17	0	4	13	0	0	0	97
154 cm:	26	64	13	27	0	0	8	22	13	13	0	0	186
158 cm:	33	68	11	19	17	5	6	42	65	59	0	19	344
162 cm:	81	61	24	24	16	16	12	65	202	83	17	19	620
166 cm:	99	72	49	37	24	38	8	26	107	180	88	262	990
170 cm:	92	8	69	33	25	22	8	17	96	83	26	50	529
174 cm:	29	87	105	42	4	38	12	4	72	37	58	42	530
178 cm:	197	46	23	57	20	66	20	30	85	33	17	31	625
182 cm:	51	91	60	24	16	33	20	20	93	82	57	42	589
186 cm:	56	15	34	36	24	44	8	4	62	33	0	89	405
190 cm:	47	38	47	24	8	22	25	16	98	45	20	31	421
194 cm:	14	11	41	18	0	16	8	20	69	33	20	58	308
198 cm:	32	11	41	18	0	11	12	24	60	45	9	31	294
202 cm:	42	11	6	12	4	16	8	8	24	91	45	173	440
206 cm:	60	57	0	6	0	33	0	12	9	22	23	38	260
210 cm:	28	8	6	6	0	16	0	4	0	22	0	0	90
214 cm:	28	0	0	0	4	5	0	4	0	0	0	0	41
218 cm:	0	0	6	0	0	0	0	0	0	0	0	0	6
222 cm:	0	0	0	0	0	0	0	0	0	0	0	0	0
226 cm:	0	0	0	0	0	17	0	0	0	0	0	0	17
230 cm:	0	4	0	0	0	0	0	0	0	0	0	0	4
234 cm:	0	0	0	0	0	0	0	0	0	0	0	0	0
238 cm:	0	4	0	0	0	0	0	0	0	0	0	0	4
...	0	0	0	0	0	0	0	0	0	0	0	0	0
318 cm:	14	0	0	0	0	0	0	0	0	0	0	0	14
TOTAL:	1,249	742	794	501	218	466	189	357	1,134	944	424	1,736	8,754
RAISED CATCH FROM WHICH SAMPLES WERE TAKEN: (Kg)													
	37,213	26,554	23,219	14,234	7,161	17,558	6,276	11,852	37,998	32,323	14,508	38,668	267,564
NUMBER OF FISH MEASURED:													
	169	104	92	82	41	73	42	73	107	82	42	97	1,004
WEIGHT OF FISH MEASURED: (Kg)													
	5,422	3,386	2,950	2,451	1,328	2,764	1,379	2,505	3,598	2,821	1,422	2,183	32,209

INTERVAL	A 87	S 87	O 87	N 87	D 87	J 88	F 88	M 88	A 88	M 88	J 88	J 88	TOTAL
78 cm:	0	28	0	0	0	0	0	0	0	0	0	0	28
82 cm:	38	0	0	0	0	0	0	0	0	0	0	0	38
86 cm:	160	84	0	0	0	0	0	0	0	0	0	0	244
90 cm:	188	56	0	0	11	0	0	0	0	0	0	0	255
94 cm:	61	66	0	0	0	0	0	0	0	5	0	7	139
98 cm:	260	84	0	0	0	0	0	0	0	0	0	15	359
102 cm:	73	28	94	0	0	0	0	8	0	0	0	7	210
106 cm:	50	28	113	0	0	0	0	0	0	0	0	0	191
110 cm:	237	61	95	0	0	9	0	17	0	0	0	0	419
114 cm:	84	30	0	0	0	0	0	8	15	25	70	0	232
118 cm:	137	89	0	0	0	0	0	8	0	5	0	15	254
122 cm:	0	48	0	0	0	0	0	0	0	0	0	0	48
126 cm:	0	10	170	0	11	9	0	0	15	0	0	0	215
130 cm:	0	30	0	0	0	14	0	0	0	0	0	0	44
134 cm:	38	38	0	0	0	14	0	0	0	5	0	0	95
138 cm:	0	20	0	0	0	14	0	20	0	0	0	0	54
142 cm:	0	0	0	0	144	0	0	8	0	0	0	0	152
146 cm:	0	28	0	0	11	0	0	20	0	5	0	7	71
150 cm:	0	0	0	0	0	0	0	0	0	5	0	0	5
154 cm:	0	0	0	0	0	0	0	0	22	5	0	0	27
158 cm:	0	0	0	0	0	0	24	20	15	0	0	15	74
162 cm:	38	48	0	0	21	9	48	81	0	19	0	0	264
166 cm:	150	51	130	198	32	18	48	20	0	33	53	7	740
170 cm:	149	58	76	18	21	9	0	61	0	14	0	0	406
174 cm:	12	0	19	83	42	18	48	0	0	19	0	77	318
178 cm:	0	0	37	18	42	35	120	72	7	14	214	29	588
182 cm:	0	10	74	119	11	9	24	20	68	19	53	0	407
186 cm:	0	0	0	0	42	9	0	0	0	5	53	7	116
190 cm:	73	0	19	36	0	18	0	61	0	10	53	0	270
194 cm:	23	71	0	18	11	0	0	0	106	0	0	29	258
198 cm:	23	20	37	36	11	0	0	0	53	0	0	7	187
202 cm:	69	61	93	84	21	0	0	0	0	0	0	0	328
206 cm:	12	10	19	36	0	0	0	0	0	0	0	0	77
210 cm:	0	0	0	18	0	0	0	0	0	0	0	0	18
TOTAL:	1,875	1,057	976	664	431	185	312	424	301	188	496	222	7,131
RAISED CATCH FROM WHICH SAMPLES WERE TAKEN: (Kg)													
	29,151	18,396	23,756	25,420	11,580	5,300	11,812	12,276	11,743	5,713	16,567	6,861	178,575
NUMBER OF FISH MEASURED:													
	91	71	34	30	24	19	13	25	11	36	9	21	384
WEIGHT OF FISH MEASURED: (Kg)													
	1,720	1,408	1,027	1,172	796	560	423	671	349	1,036	301	582	10,045

SIZE FREQUENCY DISTRIBUTION

3.9 Swordfish

3.9.1 Kandakuliya

INTERVAL	A 86	S 86	O 86	N 86	D 86	J 87	F 87	M 87	A 87	M 87	J 87	J 87	TOTAL
82 cm:	0	0	0	0	0	14	28	0	0	0	0	0	42
86 cm:	0	0	0	0	0	27	0	0	0	0	0	0	27
90 cm:	0	0	0	0	28	41	0	0	0	0	0	0	69
94 cm:	0	0	0	0	0	27	14	13	0	4	0	0	58
98 cm:	0	0	0	0	0	0	0	0	0	0	0	0	0
102 cm:	0	0	0	5	0	27	0	0	0	0	0	0	32
106 cm:	0	0	0	0	28	14	0	0	0	0	0	0	42
110 cm:	0	0	0	0	0	14	0	0	0	0	0	0	14
114 cm:	0	0	0	5	28	0	0	0	0	0	0	0	33
118 cm:	0	0	0	5	0	41	14	0	0	0	6	0	66
122 cm:	0	0	0	0	57	41	0	0	0	0	0	0	98
126 cm:	0	0	0	0	0	0	14	0	5	0	6	0	25
130 cm:	0	0	0	0	28	14	0	0	0	0	0	0	42
134 cm:	0	0	0	0	0	27	0	0	0	0	0	0	27
138 cm:	0	0	0	0	0	0	0	0	0	0	0	0	0
142 cm:	0	0	0	0	0	0	14	0	0	0	0	0	14
146 cm:	0	0	0	0	0	0	0	0	0	0	0	0	0
...	0	0	0	5	28	0	0	0	0	0	0	0	33
170 cm:	0	0	0	0	0	0	0	0	0	0	0	0	0
174 cm:	0	0	0	0	28	0	0	0	0	0	0	0	28
178 cm:	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL:	0	0	0	20	225	287	84	13	5	4	12	0	650
RAISED CATCH FROM WHICH SAMPLES WERE TAKEN: (Kg)													
	11,070	0	0	657	7,311	5,212	1,700	158	153	45	304	0	26,610
NUMBER OF FISH MEASURED:													
	0	0	0	4	8	21	6	1	1	1	2	0	44
WEIGHT OF FISH MEASURED: (Kg)													
	0	0	0	128	257	386	122	12	28	11	52	0	996

INTERVAL	A 87	S 87	O 87	N 87	D 87	J 88	F 88	M 88	A 88	M 88	J 88	J 88	TOTAL
38 cm:	0	17	0	0	0	0	0	0	0	0	0	0	17
42 cm:	0	0	0	0	0	0	0	0	0	0	0	0	0
...	0	0	0	0	0	0	0	11	0	0	0	0	11
106 cm:	0	0	0	0	25	0	0	0	0	0	0	0	25
110 cm:	0	17	0	0	0	0	0	0	0	0	0	0	17
114 cm:	0	0	0	0	0	0	0	0	0	0	0	0	0
118 cm:	0	0	0	0	0	0	0	0	0	0	0	0	0
122 cm:	0	0	0	0	0	0	21	0	0	0	0	0	21
126 cm:	0	0	0	0	0	0	0	0	0	0	0	0	0
130 cm:	0	0	48	0	0	0	0	0	0	0	0	0	48
...	0	0	0	0	0	0	0	0	0	0	0	0	0
150 cm:	0	0	0	24	25	31	0	0	0	0	0	0	80
154 cm:	0	0	0	0	25	0	0	0	0	0	0	0	25
158 cm:	0	0	0	0	0	16	0	0	0	0	0	0	16
TOTAL:	0	34	48	24	75	47	21	11	0	0	0	0	260
RAISED CATCH FROM WHICH SAMPLES WERE TAKEN: (Kg)													
	2,236	334	1,455	1,235	2,886	2,706	523	176	0	1,863	258	14,923	28,595
NUMBER OF FISH MEASURED:													
	0	2	2	1	3	3	1	1	0	0	0	0	13
WEIGHT OF FISH MEASURED: (Kg)													
	0	19	60	51	117	158	26	15	0	0	0	0	446

SIZE FREQUENCY DISTRIBUTION

3.9 Swordfish

3.9.2 Negombo

INTERVAL	A 86	S 86	O 86	N 86	D 86	J 87	F 87	M 87	A 87	M 87	J 87	J 87	TOTAL
46 cm:	12	0	0	0	0	0	0	7	0	0	0	0	19
50 cm:	0	0	0	0	0	0	0	0	0	0	9	0	9
54 cm:	0	0	0	0	0	0	0	0	0	0	0	0	0
58 cm:	0	0	0	0	0	0	0	0	0	0	0	0	0
62 cm:	0	17	0	0	0	0	0	0	0	16	9	11	53
66 cm:	0	17	0	0	0	0	0	0	0	0	0	0	17
70 cm:	0	0	0	0	7	0	0	0	0	0	0	0	7
74 cm:	12	0	13	6	0	0	0	7	0	0	0	0	38
78 cm:	0	0	13	6	0	7	0	0	0	0	0	0	26
82 cm:	24	0	13	19	7	14	0	7	0	16	0	0	100
86 cm:	0	0	19	13	20	0	0	15	0	0	0	11	78
90 cm:	24	17	25	25	20	27	17	22	11	0	0	0	188
94 cm:	0	0	19	13	14	48	28	15	0	16	0	0	153
98 cm:	24	0	25	19	0	20	33	22	45	0	9	11	208
102 cm:	12	17	25	6	0	0	11	37	11	16	9	11	155
106 cm:	0	17	32	0	0	7	17	7	57	66	9	0	212
110 cm:	36	17	32	32	7	34	28	0	11	33	0	0	230
114 cm:	12	17	25	6	14	48	28	44	0	16	0	11	221
118 cm:	0	17	13	13	7	61	33	59	34	0	0	0	237
122 cm:	12	0	25	0	7	41	11	22	45	0	0	11	174
126 cm:	24	0	6	0	7	27	39	37	45	33	9	11	238
130 cm:	12	0	0	6	7	48	28	44	34	0	9	0	188
134 cm:	24	0	0	0	0	34	28	59	23	0	0	11	179
138 cm:	12	17	0	0	7	7	0	15	0	16	28	0	102
142 cm:	12	0	6	6	0	20	11	22	0	0	9	11	97
146 cm:	0	17	0	0	0	34	0	7	11	16	9	0	94
150 cm:	12	17	6	0	0	20	0	15	0	0	9	0	79
154 cm:	0	17	6	0	0	7	6	7	0	0	0	11	54
158 cm:	0	0	13	0	0	7	6	0	11	0	0	0	37
162 cm:	24	0	13	0	0	7	11	0	0	0	9	0	64
166 cm:	12	0	13	0	0	0	6	0	0	16	0	0	47
170 cm:	0	17	13	0	0	0	0	0	0	0	0	0	30
174 cm:	12	0	19	0	0	0	0	0	0	16	0	0	47
178 cm:	0	0	0	6	0	0	0	0	0	0	0	0	6
182 cm:	12	0	0	0	0	0	0	0	0	0	0	0	12
186 cm:	0	0	0	0	0	7	0	0	0	16	0	0	23
190 cm:	0	0	0	0	0	0	0	0	0	0	0	0	0
194 cm:	24	0	0	0	0	0	0	0	0	0	0	0	24
198 cm:	12	0	0	0	0	0	0	0	0	0	0	11	23
202 cm:	0	0	0	0	0	0	0	0	0	0	0	0	0
206 cm:	24	0	0	0	0	0	0	0	0	0	0	0	24
210 cm:	12	0	0	0	0	0	0	0	0	0	0	0	12
214 cm:	0	0	0	0	0	0	0	0	0	0	0	0	0
246 cm:	12	0	0	0	0	0	0	0	0	0	0	0	12
TOTAL:	408	221	374	176	124	525	341	470	338	292	127	121	3,517
RAISED CATCH FROM WHICH SAMPLES WERE TAKEN: (Kg)													
	25,483	5,823	9,607	3,097	2,006	14,113	8,552	11,537	8,194	8,814	3,952	2,955	104,133
NUMBER OF FISH MEASURED:													
	35	13	59	28	18	77	61	64	30	18	14	11	428
WEIGHT OF FISH MEASURED: (Kg)													
	2,100	352	1,522	486	295	2,068	1,532	1,556	722	537	420	278	11,868

INTERVAL	A 87	S 87	O 87	N 87	D 87	J 88	F 88	M 88	A 88	M 88	J 88	J 88	TOTAL
70 cm:	0	22	0	0	0	0	0	0	6	0	0	0	28
74 cm:	0	0	0	0	0	0	0	0	0	0	0	0	0
78 cm:	0	0	0	0	19	0	0	0	0	0	0	0	19
82 cm:	0	0	0	157	0	22	0	0	0	0	0	0	179
86 cm:	0	0	0	0	38	0	0	16	0	0	0	0	54
90 cm:	0	0	0	0	19	22	0	0	0	0	0	0	41
94 cm:	0	0	0	0	0	0	0	0	0	0	0	0	0
98 cm:	0	0	0	0	0	0	0	16	0	0	0	0	16
102 cm:	21	22	0	0	0	0	0	0	0	0	0	0	43
106 cm:	0	0	0	0	0	0	0	0	0	0	0	0	0
110 cm:	21	0	67	0	19	22	0	16	0	0	0	0	145
114 cm:	11	0	0	0	0	22	0	0	6	0	0	0	39
118 cm:	0	0	33	0	0	22	39	0	0	0	0	0	94
122 cm:	21	0	33	0	0	22	19	0	0	0	0	0	95
126 cm:	11	0	33	157	0	0	0	0	0	0	0	0	201
130 cm:	0	22	0	0	0	22	0	0	6	0	0	0	50
134 cm:	0	0	33	0	0	43	0	0	6	0	0	0	82
138 cm:	11	0	67	0	0	0	0	16	0	0	0	0	94
142 cm:	0	0	33	0	0	0	0	0	0	0	0	0	33
146 cm:	11	0	0	0	0	0	0	0	0	0	0	0	11
150 cm:	11	0	0	0	0	0	0	0	0	0	0	0	11
154 cm:	0	0	0	0	0	0	0	0	0	0	0	0	0
158 cm:	0	0	0	0	0	0	19	0	0	0	0	0	19
162 cm:	21	0	0	0	0	0	0	0	0	0	0	0	21
166 cm:	0	0	0	0	0	0	0	0	0	0	0	0	0
170 cm:	0	22	0	0	0	22	0	0	0	0	0	0	44
TOTAL:	139	88	299	314	95	219	77	64	24	0	0	0	1,319
RAISED CATCH FROM WHICH SAMPLES WERE TAKEN: (Kg)													
	4,446	2,715	8,821	5,668	995	6,128	2,515	1,245	510	584	1,835	3,419	38,881
NUMBER OF FISH MEASURED:													
	13	4	9	2	5	10	4	4	4	0	0	0	55
WEIGHT OF FISH MEASURED: (Kg)													
	416	124	265	36	53	282	129	77	90	0	0	0	1,472

SIZE FREQUENCY DISTRIBUTION

3.9 Swordfish

3.9.3 Beruwala

INTERVAL	A 86	S 86	O 86	N 86	D 86	J 87	F 87	M 87	A 87	M 87	J 87	J 87	TOTAL
74 cm:	5	0	0	0	0	0	0	0	0	0	0	0	5
78 cm:	9	0	0	0	0	0	0	0	0	0	0	0	9
82 cm:	0	9	0	11	0	0	4	0	0	0	0	0	24
86 cm:	0	4	0	6	0	0	0	0	9	0	0	0	19
90 cm:	0	9	7	28	0	6	0	0	9	48	28	48	183
94 cm:	0	0	7	0	6	6	12	0	9	126	28	192	386
98 cm:	9	4	7	6	12	23	8	0	0	48	35	168	320
102 cm:	46	17	14	0	18	28	12	0	0	77	7	168	387
106 cm:	14	4	0	6	18	34	12	4	0	39	7	72	210
110 cm:	32	43	0	11	12	40	24	0	0	77	35	289	563
114 cm:	19	0	7	22	30	40	60	8	0	87	35	289	597
118 cm:	9	9	7	11	6	57	64	16	55	39	14	96	383
122 cm:	5	26	7	28	18	51	40	16	110	10	0	0	311
126 cm:	0	0	7	11	18	28	28	32	156	0	0	0	280
130 cm:	5	13	7	6	0	40	24	24	55	10	0	0	184
134 cm:	0	17	21	39	18	40	20	36	64	0	0	0	255
138 cm:	14	9	50	17	6	34	24	28	18	0	0	0	200
142 cm:	0	13	14	34	6	23	12	20	18	0	0	0	140
146 cm:	0	0	14	28	6	6	4	12	0	0	0	0	70
150 cm:	0	4	0	34	12	17	0	20	110	0	0	0	197
154 cm:	0	4	21	6	6	17	8	28	37	0	0	0	127
158 cm:	0	13	0	22	6	6	8	53	9	0	0	0	117
162 cm:	0	4	0	0	6	0	0	4	0	0	0	0	14
166 cm:	5	4	7	6	0	6	0	0	0	0	0	0	28
170 cm:	0	4	0	0	0	6	0	0	0	0	0	0	10
174 cm:	0	0	0	0	0	0	0	0	0	0	7	0	7
178 cm:	0	9	0	0	6	0	0	0	0	0	0	0	15
182 cm:	0	0	0	0	0	0	0	0	0	0	0	0	0
186 cm:	0	0	0	0	0	0	0	0	0	0	0	0	0
190 cm:	0	0	0	0	0	6	0	0	0	0	0	0	6
TOTAL:	172	219	197	332	210	514	364	301	659	561	196	1,322	5,047
RAISED CATCH FROM WHICH SAMPLES WERE TAKEN: (Kg)	3,432	7,046	6,836	10,477	6,049	14,472	9,479	12,313	21,961	8,960	3,458	21,467	125,950
NUMBER OF FISH MEASURED:	37	51	28	59	35	90	91	75	72	58	28	55	679
WEIGHT OF FISH MEASURED: (Kg)	742	1,564	957	1,930	1,027	2,599	2,356	2,982	2,392	928	500	912	18,889

INTERVAL	A 87	S 87	O 87	N 87	D 87	J 88	F 88	M 88	A 88	M 88	J 88	J 88	TOTAL
86 cm:	0	0	0	0	0	7	0	14	0	0	0	0	21
90 cm:	15	33	0	0	0	7	0	42	0	0	0	0	97
94 cm:	0	43	16	0	15	0	0	28	0	5	0	0	107
98 cm:	146	33	65	82	7	0	0	14	0	5	0	0	352
102 cm:	73	22	114	27	7	0	0	28	0	0	0	0	271
106 cm:	44	33	49	82	15	0	18	42	0	0	0	0	283
110 cm:	44	65	65	55	22	13	35	42	0	0	0	22	363
114 cm:	73	65	16	96	15	13	0	0	0	11	0	22	311
118 cm:	29	11	16	41	30	13	35	71	0	11	0	0	257
122 cm:	15	22	0	14	22	20	18	0	70	0	0	0	181
126 cm:	0	22	0	0	7	0	53	28	0	0	0	11	121
130 cm:	0	0	16	0	7	7	35	28	0	0	0	0	93
134 cm:	0	0	0	0	0	0	0	0	70	11	0	0	81
138 cm:	0	0	0	0	0	0	0	0	0	16	0	11	27
142 cm:	0	0	0	0	0	13	0	0	70	16	0	22	121
146 cm:	0	0	0	0	0	7	0	0	0	5	0	0	12
150 cm:	0	0	0	0	0	0	18	0	0	0	0	0	18
154 cm:	0	0	0	0	0	0	0	0	0	5	0	0	5
158 cm:	0	0	0	0	0	0	0	0	0	5	0	11	16
162 cm:	0	0	0	0	0	0	0	0	0	5	0	0	5
166 cm:	0	0	0	0	0	0	0	0	0	0	0	0	0
170 cm:	0	0	0	0	0	0	18	0	0	0	0	0	18
TOTAL:	439	349	357	397	147	100	230	337	210	95	0	99	2,760
RAISED CATCH FROM WHICH SAMPLES WERE TAKEN: (Kg)	7,054	5,860	5,888	7,205	2,858	2,574	7,065	6,335	7,348	3,815	2,516	3,317	61,835
NUMBER OF FISH MEASURED:	30	32	22	29	20	15	13	24	3	18	0	9	215
WEIGHT OF FISH MEASURED: (Kg)	485	533	361	523	406	378	394	447	102	639	0	286	4,554

SIZE FREQUENCY DISTRIBUTION

3.9 Swordfish

3.9.4 3 sites combined

INTERVAL	A 86	S 86	O 86	N 86	D 86	J 87	F 87	M 87	A 87	M 87	J 87	J 87	TOTAL
46 cm:	12	0	0	0	0	0	0	7	0	0	0	0	19
50 cm:	0	0	0	0	0	0	0	0	0	0	9	0	9
54 cm:	0	0	0	0	0	0	0	0	0	0	0	0	0
58 cm:	0	0	0	0	0	0	0	0	0	0	0	0	0
62 cm:	0	17	0	0	0	0	0	0	0	16	9	11	53
66 cm:	0	17	0	0	0	0	0	0	0	0	0	0	17
70 cm:	0	0	0	0	7	0	0	0	0	0	0	0	7
74 cm:	17	0	13	6	0	0	0	7	0	0	0	0	43
78 cm:	9	0	13	6	0	7	0	0	0	0	0	0	35
82 cm:	24	9	13	30	7	28	32	7	0	16	0	0	166
86 cm:	0	4	19	19	20	27	0	15	9	0	0	11	124
90 cm:	24	26	32	53	48	74	17	22	20	48	28	48	440
94 cm:	0	0	26	13	20	81	54	28	9	146	28	192	597
98 cm:	33	4	32	25	12	43	41	22	45	48	44	179	528
102 cm:	58	34	39	11	18	55	23	37	11	93	16	179	574
106 cm:	14	21	32	6	46	55	29	11	57	105	16	72	464
110 cm:	68	60	32	43	19	88	52	0	11	110	35	289	807
114 cm:	31	17	32	33	72	88	88	52	0	103	35	300	851
118 cm:	9	26	20	29	13	159	111	75	89	39	20	96	686
122 cm:	17	26	32	28	82	133	51	38	155	10	0	11	583
126 cm:	24	0	13	11	25	55	81	69	206	33	15	11	543
130 cm:	17	13	7	12	35	102	52	68	89	10	9	0	414
134 cm:	24	17	21	39	18	101	48	95	87	0	0	11	461
138 cm:	26	26	50	17	13	41	24	43	18	16	28	0	302
142 cm:	12	13	20	40	6	43	37	42	18	0	9	11	251
146 cm:	0	17	14	28	6	40	4	19	11	16	9	0	164
150 cm:	12	21	6	34	12	37	0	35	110	0	9	0	276
154 cm:	0	21	27	6	6	24	14	35	37	0	0	11	181
158 cm:	0	13	13	22	6	13	14	53	20	0	0	0	154
162 cm:	24	4	13	0	6	7	11	4	0	0	9	0	79
166 cm:	17	4	20	11	28	6	6	0	0	16	0	0	106
170 cm:	0	21	13	0	0	6	0	0	0	0	0	0	40
174 cm:	12	0	19	0	28	0	0	0	0	16	7	0	82
178 cm:	0	9	0	6	6	0	0	0	0	0	0	0	21
182 cm:	12	0	0	0	0	0	0	0	0	0	0	0	12
186 cm:	0	0	0	0	0	7	0	0	0	16	0	0	23
190 cm:	0	0	0	0	0	6	0	0	0	0	0	0	6
194 cm:	24	0	0	0	0	0	0	0	0	0	0	0	24
198 cm:	12	0	0	0	0	0	0	0	0	0	0	11	23
202 cm:	0	0	0	0	0	0	0	0	0	0	0	0	0
206 cm:	24	0	0	0	0	0	0	0	0	0	0	0	24
210 cm:	12	0	0	0	0	0	0	0	0	0	0	0	12
...	0	0	0	0	0	0	0	0	0	0	0	0	0
246 cm:	12	0	0	0	0	0	0	0	0	0	0	0	12
TOTAL:	580	440	571	528	559	1,326	789	784	1,002	857	335	1,443	9,214

RAISED CATCH FROM WHICH SAMPLES WERE TAKEN: (Kg)

39,985	12,869	16,443	14,231	15,366	33,797	19,731	24,008	30,308	17,819	7,714	24,422	256,693

NUMBER OF FISH MEASURED:

72	64	87	91	61	188	158	140	107	77	44	66	1,155

WEIGHT OF FISH MEASURED: (Kg)

2,842	1,916	2,479	2,544	1,579	5,053	4,010	4,550	3,142	1,476	972	1,190	31,753

INTERVAL	A 87	S 87	O 87	N 87	D 87	J 88	F 88	M 88	A 88	M 88	J 88	J 88	TOTAL
38 cm:	0	17	0	0	0	0	0	0	0	0	0	0	17
...	0	0	0	0	0	0	0	0	0	0	0	0	0
70 cm:	0	22	0	0	0	0	0	0	6	0	0	0	28
74 cm:	0	0	0	0	0	0	0	0	0	0	0	0	0
78 cm:	0	0	0	0	19	0	0	0	0	0	0	0	19
82 cm:	0	0	0	157	0	22	0	0	0	0	0	0	179
86 cm:	0	0	0	0	38	7	0	30	0	0	0	0	75
90 cm:	15	33	0	0	19	29	0	42	0	0	0	0	138
94 cm:	0	43	16	0	15	0	0	28	0	5	0	0	107
98 cm:	146	33	65	82	7	0	0	30	0	5	0	0	368
102 cm:	94	44	114	27	7	0	0	39	0	0	0	0	325
106 cm:	44	33	49	82	40	0	18	42	0	0	0	0	308
110 cm:	65	82	132	55	41	35	35	58	0	0	0	22	525
114 cm:	84	65	16	96	15	35	0	0	6	11	0	22	350
118 cm:	29	11	49	41	30	35	74	71	0	11	0	0	351
122 cm:	36	22	33	14	22	42	58	0	70	0	0	0	297
126 cm:	11	22	33	157	7	0	53	28	0	0	0	11	322
130 cm:	0	22	64	0	7	29	35	28	6	0	0	0	191
134 cm:	0	0	33	0	0	43	0	0	76	11	0	0	163
138 cm:	11	0	67	0	0	0	0	16	0	16	0	11	121
142 cm:	0	0	33	0	0	13	0	0	70	16	0	22	154
146 cm:	11	0	0	0	0	7	0	0	0	5	0	0	23
150 cm:	11	0	0	24	25	31	18	0	0	0	0	0	109
154 cm:	0	0	0	0	25	0	0	0	0	5	0	0	30
158 cm:	0	0	0	0	0	16	19	0	0	5	0	11	51
162 cm:	21	0	0	0	0	0	0	0	0	5	0	0	26
166 cm:	0	0	0	0	0	0	0	0	0	0	0	0	0
170 cm:	0	22	0	0	0	22	18	0	0	0	0	0	62
TOTAL:	578	471	704	735	317	366	328	412	234	95	0	99	4,339

RAISED CATCH FROM WHICH SAMPLES WERE TAKEN: (Kg)

13,736	8,909	16,164	14,108	6,739	11,408	10,103	7,756	7,858	6,262	4,609	21,659	129,311

NUMBER OF FISH MEASURED:

43	38	33	32	28	28	18	29	7	18	0	9	283

WEIGHT OF FISH MEASURED: (Kg)

901	676	686	610	576	818	549	539	192	639	0	286	6,472

SIZE FREQUENCY DISTRIBUTION

3.10 Bullet tuna

	BERUWELA		KANDAKULIYA		NEGOMBO		WEST COAST OF SRI-LANKA	
INTERVAL	Aug.86/Jul.87	Aug.87/Jul.88	Aug.86/Jul.87	Aug.87/Jul.88	Aug.86/Jul.87	Aug.87/Jul.88	Aug.86/Jul.87	Aug.87/Jul.88
12 cm:	0	0	0	0	758	0	758	0
13 cm:	0	0	0	0	0	0	0	0
14 cm:	0	0	0	0	758	0	758	0
15 cm:	106	0	0	0	5,303	0	5,409	0
16 cm:	0	0	0	0	9,090	0	9,090	0
17 cm:	447	0	0	0	8,333	0	8,780	0
18 cm:	528	0	0	0	4,545	96	5,073	96
19 cm:	0	0	0	0	3,030	96	3,030	96
20 cm:	341	0	0	0	6,395	704	6,736	704
21 cm:	1,128	0	0	0	7,898	1,243	9,026	1,243
22 cm:	1,362	0	0	0	3,317	1,310	4,679	1,310
23 cm:	1,162	49	0	0	2,634	2,497	3,796	2,546
24 cm:	5,917	44	0	0	3,522	1,333	9,439	1,377
25 cm:	7,246	469	0	0	350	441	7,596	910
26 cm:	19,884	1,106	0	0	2,263	662	22,147	1,768
27 cm:	24,104	2,400	0	0	1,873	563	25,977	2,963
28 cm:	18,831	1,574	0	0	3,154	1,692	21,985	3,266
29 cm:	15,848	1,976	0	0	3,641	1,528	19,489	3,504
30 cm:	2,136	673	0	0	2,452	459	4,588	1,132
31 cm:	1,893	727	0	0	3,653	570	5,546	1,297
32 cm:	422	394	0	0	1,959	110	2,381	504
33 cm:	957	246	0	0	2,641	221	3,598	467
34 cm:	853	245	0	0	1,085	110	1,938	355
35 cm:	87	107	0	0	507	110	594	217
36 cm:	59	0	0	0	2,345	0	2,404	0
37 cm:	0	0	0	0	980	0	980	0
38 cm:	0	52	0	0	1,738	0	1,738	52
39 cm:	0	0	0	0	1,615	0	1,615	0
40 cm:	0	0	0	0	524	0	524	0
41 cm:	0	0	0	0	847	0	847	0
42 cm:	0	0	0	0	268	0	268	0
43 cm:	0	0	0	0	402	0	402	0
44 cm:	0	0	0	0	67	0	67	0
45 cm:	0	0	0	0	55	0	55	0
46 cm:	0	0	0	0	67	0	67	0
TOTAL:	103,311	10,062	0	0	88,069	13,745	191,380	23,807
RAISED CATCH FROM WHICH SAMPLES WERE TAKEN: (Kg)	35,261	4,520	63	0	26,217	4,101	61,541	8,621
NUMBER OF FISH MEASURED:	976	471	0	0	668	98	1,644	569
WEIGHT OF FISH MEASURED: (Kg)	370	227	0	0	337	34	707	261

3.11 Longtail tuna

	BERUWELA		KANDAKULIYA		NEGOMBO		WEST COAST OF SRI-LANKA	
INTERVAL	Aug.86/Jul.87	Aug.87/Jul.88	Aug.86/Jul.87	Aug.87/Jul.88	Aug.86/Jul.87	Aug.87/Jul.88	Aug.86/Jul.87	Aug.87/Jul.88
18 cm:	5	0	0	0	0	0	5	0
19 cm:	0	0	0	0	0	0	0	0
20 cm:	5	0	0	0	0	0	5	0
21 cm:	5	0	0	0	0	0	5	0
...	0	0	0	0	0	0	0	0
49 cm:	5	0	0	0	0	0	5	0
50 cm:	0	0	0	0	10	0	10	0
51 cm:	0	0	0	0	0	0	0	0
52 cm:	0	0	0	0	10	0	10	0
53 cm:	0	0	0	0	23	0	23	0
54 cm:	0	0	0	0	0	3	0	3
55 cm:	0	0	0	0	10	89	10	89
56 cm:	0	7	0	0	13	133	13	140
57 cm:	0	0	0	0	4	89	4	89
58 cm:	0	3	0	0	10	133	10	136
59 cm:	0	3	0	0	0	44	0	47
60 cm:	0	0	0	0	0	44	0	44
61 cm:	0	0	0	0	9	97	9	97
62 cm:	0	0	0	0	4	144	4	144
63 cm:	0	0	0	0	4	72	4	72
64 cm:	0	0	10	0	4	55	14	55
65 cm:	6	4	0	0	0	28	6	32
66 cm:	5	0	10	0	4	0	19	0
67 cm:	0	0	10	0	4	0	14	0
68 cm:	0	0	0	0	4	0	4	0
69 cm:	10	0	10	0	4	0	24	0
70 cm:	16	4	0	0	0	44	16	48
71 cm:	0	0	0	0	6	133	6	133
72 cm:	11	0	0	0	0	296	11	296
73 cm:	0	4	0	0	10	0	10	4
74 cm:	0	4	0	0	4	192	4	196
75 cm:	-0	0	0	0	10	0	10	0
76 cm:	6	0	0	0	10	296	16	296
77 cm:	0	0	0	0	4	0	4	0
78 cm:	0	0	0	0	6	0	6	0
79 cm:	0	4	0	0	0	0	0	4
...	0	0	0	0	0	0	0	0
92 cm:	0	0	0	0	5	0	5	0
...	0	0	0	0	0	0	0	0
98 cm:	0	0	0	0	5	0	5	0
TOTAL:	74	33	40	0	177	1,892	291	1,925
RAISED CATCH FROM WHICH SAMPLES WERE TAKEN: (Kg)	334	206	683	0	1,590	10,299	2,607	10,505
NUMBER OF FISH MEASURED:	14	9	5	0	29	35	48	44
WEIGHT OF FISH MEASURED: (Kg)	62	48	38	0	167	164	267	212

SIZE FREQUENCY DISTRIBUTION

3.12 Indo-Pacific bonito

	BERUWELA		KANDAKULIYA		NEGOMBO		WEST COAST OF SRI-LANKA	
INTERVAL	Aug.86/Jul.87	Aug.87/Jul.88	Aug.86/Jul.87	Aug.87/Jul.88	Aug.86/Jul.87	Aug.87/Jul.88	Aug.86/Jul.87	Aug.87/Jul.88
25 cm:	0	0	0	0	21	0	21	0
26 cm:	26	0	0	0	21	0	47	0
27 cm:	0	0	0	0	21	0	21	0
28 cm:	112	0	0	0	21	0	133	0
29 cm:	0	0	0	0	21	0	21	0
30 cm:	91	0	0	0	52	0	143	0
31 cm:	0	0	0	0	74	21	74	21
32 cm:	90	0	0	0	53	0	143	0
33 cm:	0	0	0	0	15	21	15	21
34 cm:	90	0	0	0	91	0	181	0
35 cm:	0	0	0	0	76	21	76	21
36 cm:	0	0	0	0	15	0	15	0
37 cm:	0	0	0	0	15	0	15	0
38 cm:	0	4	0	0	15	0	15	4
39 cm:	0	0	0	0	0	0	0	0
40 cm:	0	0	0	0	0	0	0	0
41 cm:	0	4	0	0	0	0	0	4
42 cm:	0	0	0	0	10	0	10	0
43 cm:	0	4	0	0	10	0	10	4
44 cm:	0	0	0	0	0	0	0	0
45 cm:	0	0	0	0	0	10	0	10
46 cm:	0	0	0	0	10	10	10	10
47 cm:	0	0	0	0	0	19	0	19
48 cm:	0	0	0	0	0	0	0	0
49 cm:	0	0	0	0	0	0	0	0
50 cm:	0	0	0	0	9	0	9	0
51 cm:	0	0	0	0	10	0	10	0
52 cm:	0	0	0	0	0	0	0	0
53 cm:	0	0	0	0	0	0	0	0
54 cm:	0	0	0	0	0	0	0	0
55 cm:	0	0	0	0	0	0	0	0
56 cm:	0	0	0	0	0	0	0	0
57 cm:	0	0	0	0	0	0	0	0
58 cm:	0	0	0	0	0	0	0	0
59 cm:	24	0	0	0	0	0	24	0
TOTAL:	433	12	0	0	560	102	993	114
RAISED CATCH FROM WHICH SAMPLES WERE TAKEN: (Kg)	291	18	0	0	367	99	658	117
NUMBER OF FISH MEASURED:	16	3	0	0	35	8	51	11
WEIGHT OF FISH MEASURED: (Kg)	10	3	0	0	24	8	34	11

3.13 Dogtooth tuna

	BERUWELA		KANDAKULIYA		NEGOMBO		WEST COAST OF SRI-LANKA	
INTERVAL	Aug.86/Jul.87	Aug.87/Jul.88	Aug.86/Jul.87	Aug.87/Jul.88	Aug.86/Jul.87	Aug.87/Jul.88	Aug.86/Jul.87	Aug.87/Jul.88
46 cm:	0	0	0	0	0	8	0	8
48 cm:	0	0	0	0	0	0	0	0
50 cm:	0	0	0	0	0	8	0	8
52 cm:	0	0	0	0	0	0	0	0
54 cm:	0	0	0	0	0	8	0	8
...	0	0	0	0	0	0	0	0
66 cm:	0	0	7	0	0	0	7	0
... :	0	0	0	0	0	0	0	0
104 cm:	0	0	14	0	0	0	14	0
...	0	0	0	0	0	0	0	0
112 cm:	0	0	29	0	0	0	29	0
...	0	0	0	0	0	0	0	0
122 cm:	0	0	4	0	0	0	4	0
124 cm:	0	0	11	0	0	0	11	0
126 cm:	0	0	15	0	0	0	15	0
128 cm:	0	0	28	0	0	0	28	0
130 cm:	0	0	18	18	0	0	18	18
132 cm:	0	0	82	18	0	0	82	18
134 cm:	0	0	92	50	0	0	92	50
136 cm:	0	0	108	62	0	0	108	62
138 cm:	0	0	51	41	0	0	51	41
140 cm:	0	0	38	24	0	0	38	24
142 cm:	0	0	15	0	0	0	15	0
144 cm:	0	0	9	24	0	0	9	24
146 cm:	0	0	0	0	0	0	0	0
148 cm:	0	0	14	0	0	0	14	0
150 cm:	0	0	0	0	0	0	0	0
152 cm:	0	0	0	18	0	0	0	18
TOTAL:	0	0	535	255	0	24	535	279
RAISED CATCH FROM WHICH SAMPLES WERE TAKEN: (Kg)	0	0	19,435	10,329	1,101	57	20,536	10,386
NUMBER OF FISH MEASURED:	0	0	53	17	0	3	53	20
WEIGHT OF FISH MEASURED: (Kg)	0	0	2,002	686	0	7	2,002	693

SIZE FREQUENCY DISTRIBUTION

3.14 Bigeye tuna

	BERUWELA		KANDAKULIYA		NEGOMBO		WEST COAST OF SRI-LANKA	
INTERVAL	Aug.86/Jul.87	Aug.87/Jul.88	Aug.86/Jul.87	Aug.87/Jul.88	Aug.86/Jul.87	Aug.87/Jul.88	Aug.86/Jul.87	Aug.87/Jul.88
38 cm:	0	0	0	0	15	0	15	0
40 cm:	0	0	0	0	9	0	9	0
...	0	0	0	0	0	0	0	0
122 cm:	0	0	0	0	0	0	0	0
124 cm:	0	3	0	0	0	0	0	3
126 cm:	0	0	0	0	0	0	0	0
128 cm:	0	0	0	0	0	0	0	0
130 cm:	0	5	0	0	0	0	0	5
132 cm:	0	0	0	0	0	0	0	0
134 cm:	0	0	0	0	0	0	0	0
136 cm:	0	29	0	0	0	0	0	29
138 cm:	0	9	0	0	0	0	0	9
140 cm:	0	0	0	0	0	0	0	0
142 cm:	0	0	0	0	0	0	0	0
144 cm:	0	0	0	0	0	0	0	0
146 cm:	0	5	0	0	0	0	0	5
148 cm:	0	7	0	0	0	0	0	7
150 cm:	0	0	0	0	0	0	0	0
152 cm:	0	10	0	0	0	0	0	10
154 cm:	0	0	0	0	0	0	0	0
156 cm:	0	0	0	0	0	0	0	0
158 cm:	0	0	0	0	0	0	0	0
160 cm:	0	5	0	0	0	0	0	5
162 cm:	0	0	0	0	0	0	0	0
164 cm:	4	0	0	0	0	0	4	0
166 cm:	4	0	0	0	0	0	4	0
168 cm:	0	0	0	0	0	0	0	0
170 cm:	4	0	0	0	0	0	4	0
TOTAL:	12	73	0	0	24	0	36	73
RAISED CATCH FROM WHICH SAMPLES WERE TAKEN: (Kg)	1,558	4,370	0	0	32	0	1,590	4,370
NUMBER OF FISH MEASURED:	3	13	0	0	3	0	6	13
WEIGHT OF FISH MEASURED: (Kg)	300	798	0	0	4	0	304	798

3.15 Indo-Pacific king mackerel

	BERUWELA		KANDAKULIYA		NEGOMBO		WEST COAST OF SRI-LANKA	
INTERVAL	Aug.86/Jul.87	Aug.87/Jul.88	Aug.86/Jul.87	Aug.87/Jul.88	Aug.86/Jul.87	Aug.87/Jul.88	Aug.86/Jul.87	Aug.87/Jul.88
30 cm:	0	0	0	0	9	5	9	5
32 cm:	0	0	0	0	0	0	0	0
34 cm:	0	0	0	0	0	22	0	22
36 cm:	0	0	0	0	0	48	0	48
38 cm:	0	0	0	0	3	89	3	89
40 cm:	0	0	0	0	7	73	7	73
42 cm:	0	0	0	0	16	102	16	102
44 cm:	0	0	0	0	10	35	10	35
46 cm:	0	0	0	0	29	24	29	24
48 cm:	0	0	0	0	10	26	10	26
50 cm:	0	0	0	0	10	21	10	21
52 cm:	0	0	0	0	27	55	27	55
54 cm:	0	0	0	0	25	26	25	26
56 cm:	0	0	0	0	7	88	7	88
58 cm:	4	0	0	0	3	44	7	44
60 cm:	8	0	0	0	0	3	8	3
62 cm:	0	10	0	0	7	22	7	32
64 cm:	12	0	0	0	35	46	47	46
66 cm:	4	10	0	0	14	14	18	24
68 cm:	0	0	0	0	4	25	4	25
70 cm:	4	0	0	0	3	30	7	30
72 cm:	0	0	0	0	13	29	13	29
74 cm:	0	0	0	0	14	26	14	26
76 cm:	4	0	0	0	25	81	29	81
78 cm:	8	0	0	0	25	61	33	61
80 cm:	0	0	0	0	0	62	0	62
82 cm:	8	0	0	0	6	5	14	5
84 cm:	0	0	0	0	6	37	6	37
86 cm:	4	0	0	0	0	10	4	10
88 cm:	12	6	0	0	3	0	15	6
90 cm:	0	0	0	0	0	0	0	0
92 cm:	0	0	0	0	0	0	0	0
94 cm:	0	0	0	0	0	0	0	0
96 cm:	0	0	0	0	0	4	0	4
TOTAL:	68	26	0	0	311	1,113	379	1,139
RAISED CATCH FROM WHICH SAMPLES WERE TAKEN: (Kg)	203	72	0	0	622	1,973	825	2,045
NUMBER OF FISH MEASURED:	17	3	0	0	85	145	102	148
WEIGHT OF FISH MEASURED: (Kg)	51	9	0	0	175	243	226	252

SIZE FREQUENCY DISTRIBUTION

3.16 Streaked seerfish

	BERUWELA		KANDAKULIYA		NEGOMBO		WEST COAST OF SRI-LANKA	
INTERVAL	Aug.86/Jul.87	Aug.87/Jul.88	Aug.86/Jul.87	Aug.87/Jul.88	Aug.86/Jul.87	Aug.87/Jul.88	Aug.86/Jul.87	Aug.87/Jul.88
38 cm:	0	0	0	0	0	4	0	4
...	0	0	0	0	0	0	0	0
47 cm:	0	0	0	0	0	4	0	4
48 cm:	0	0	0	0	0	0	0	0
49 cm:	0	0	0	0	0	4	0	4
50 cm:	0	0	0	0	0	4	0	4
51 cm:	0	0	0	0	0	15	0	15
52 cm:	0	0	0	0	0	0	0	0
53 cm:	0	0	0	0	0	4	0	4
54 cm:	0	0	0	0	0	7	0	7
...	0	0	0	0	0	0	0	0
65 cm:	0	0	0	0	0	3	0	3
66 cm:	0	0	0	0	0	0	0	0
67 cm:	0	0	0	0	0	0	0	0
68 cm:	0	0	0	12	0	0	0	12
69 cm:	0	0	0	0	0	0	0	0
70 cm:	0	0	0	0	0	0	0	0
71 cm:	0	0	0	0	0	4	0	4
...	0	0	0	0	0	0	0	0
78 cm:	4	0	0	12	0	0	4	12
...	0	0	0	0	0	0	0	0
83 cm:	0	0	0	0	0	3	0	3
TOTAL:	4	0	0	24	0	52	4	76
RAISED CATCH FROM WHICH SAMPLES WERE TAKEN: (Kg)	25	122	0	1,225	2	65	27	1,412
NUMBER OF FISH MEASURED:	1	0	0	2	0	14	1	16
WEIGHT OF FISH MEASURED: (Kg)	4	0	0	6	0	19	4	25

3.17 Wahoo

	BERUWELA		KANDAKULIYA		NEGOMBO		WEST COAST OF SRI-LANKA	
INTERVAL	Aug.86/Jul.87	Aug.87/Jul.88	Aug.86/Jul.87	Aug.87/Jul.88	Aug.86/Jul.87	Aug.87/Jul.88	Aug.86/Jul.87	Aug.87/Jul.88
48 cm:	0	0	0	0	0	8	0	8
...	0	0	0	0	0	0	0	0
58 cm:	5	0	0	0	0	0	5	0
60 cm:	0	0	0	0	0	0	0	0
62 cm:	0	0	0	0	0	0	0	0
64 cm:	5	0	0	0	0	0	5	0
66 cm:	0	0	0	0	0	0	0	0
68 cm:	9	0	0	7	0	0	9	7
70 cm:	14	0	0	0	0	0	14	0
72 cm:	14	0	0	0	0	0	14	0
74 cm:	5	0	0	0	0	0	5	0
76 cm:	23	0	0	0	0	0	23	0
78 cm:	8	0	0	0	0	0	8	0
80 cm:	0	0	0	0	17	24	17	24
82 cm:	4	0	0	0	18	20	22	20
84 cm:	0	0	0	0	0	0	0	0
86 cm:	0	0	0	0	15	25	15	25
88 cm:	0	0	0	0	12	16	12	16
90 cm:	11	0	0	0	4	25	15	25
92 cm:	11	0	0	0	21	8	32	8
94 cm:	19	0	0	0	23	16	42	16
96 cm:	11	0	0	0	17	25	28	25
98 cm:	35	8	0	0	12	17	47	25
100 cm:	37	9	0	0	49	105	86	114
102 cm:	41	32	0	0	61	54	102	86
104 cm:	44	23	0	0	21	15	65	38
106 cm:	35	28	10	0	31	37	76	65
108 cm:	64	84	0	0	121	28	185	112
110 cm:	231	95	0	0	55	73	286	168
112 cm:	157	156	6	0	14	28	177	184
114 cm:	227	99	64	0	48	31	339	130
116 cm:	248	133	36	0	94	38	378	171
118 cm:	316	125	0	15	19	0	335	140
120 cm:	140	136	9	7	32	8	181	151
122 cm:	50	58	19	0	27	19	96	77
124 cm:	77	45	0	0	9	3	86	48
126 cm:	258	64	10	0	0	4	268	68
128 cm:	43	9	0	0	10	23	53	32
130 cm:	74	11	0	0	4	0	78	11
132 cm:	49	0	23	0	9	0	81	0
134 cm:	70	0	0	0	0	0	70	0
136 cm:	4	0	10	0	0	0	14	0
138 cm:	33	0	0	0	6	0	39	0
140 cm:	37	0	0	0	0	8	37	8
142 cm:	0	0	0	0	68	0	68	0
144 cm:	7	0	10	0	68	0	85	0
146 cm:	5	0	0	0	0	0	5	0
148 cm:	0	0	0	0	0	0	0	0
150 cm:	0	0	0	0	0	0	0	0
152 cm:	7	0	0	0	0	0	7	0
TOTAL:	2,428	1115	197	29	885	658	3,510	1,802
RAISED CATCH FROM WHICH SAMPLES WERE TAKEN: (Kg)	24,385	10,607	2,244	237	8,989	4,709	35,618	15,553
NUMBER OF FISH MEASURED:	466	194	16	3	101	71	583	268
WEIGHT OF FISH MEASURED: (Kg)	5,017	2,101	192	21	845	549	6,054	2,671

SIZE FREQUENCY DISTRIBUTION

3.18 Striped marlin

	BERUWELA		KANDAKULIYA		NEGOMBO		WEST COAST OF SRI-LANKA	
INTERVAL	Aug.86/Jul.87	Aug.87/Jul.88	Aug.86/Jul.87	Aug.87/Jul.88	Aug.86/Jul.87	Aug.87/Jul.88	Aug.86/Jul.87	Aug.87/Jul.88
114 cm:	0	0	38	0	0	0	38	0
118 cm:	0	0	38	0	0	0	38	0
...	0	0	0	0	0	0	0	0
142 cm:	0	0	0	0	8	0	8	0
146 cm:	0	0	0	0	0	0	0	0
150 cm:	0	0	0	0	0	0	0	0
154 cm:	0	0	0	0	14	0	14	0
158 cm:	0	5	0	0	0	0	0	5
162 cm:	0	9	0	0	9	0	9	9
166 cm:	0	8	0	0	17	0	17	8
170 cm:	10	0	0	0	11	0	21	0
174 cm:	6	4	0	0	9	0	15	4
178 cm:	7	15	0	0	0	0	7	15
182 cm:	23	11	0	0	14	0	37	11
186 cm:	31	17	0	0	14	0	45	17
190 cm:	44	4	0	0	0	0	44	4
194 cm:	24	0	0	0	0	0	24	0
198 cm:	10	0	0	0	27	0	37	0
202 cm:	0	0	0	0	0	0	0	0
206 cm:	4	0	0	0	0	0	4	0
210 cm:	9	0	0	0	0	0	9	0
214 cm:	0	0	0	0	0	0	0	0
218 cm:	5	0	0	0	0	0	5	0
222 cm:	0	0	0	0	14	0	14	0
226 cm:	0	0	0	0	0	0	0	0
230 cm:	6	0	0	0	0	0	6	0
234 cm:	0	9	0	0	0	0	0	9
238 cm:	4	0	0	0	0	0	4	0
242 cm:	0	0	0	0	0	0	0	0
246 cm:	0	0	0	0	0	0	0	0
250 cm:	0	0	0	0	0	0	0	0
254 cm:	10	0	0	0	0	0	10	0
TOTAL:	193	82	76	0	137	0	406	82
RAISED CATCH FROM WHICH SAMPLES WERE TAKEN: (Kg)	15,782	5,846	1,426	0	9,116	0	26,324	5,846
NUMBER OF FISH MEASURED:	40	19	3	0	12	0	55	19
WEIGHT OF FISH MEASURED: (Kg)	3,254	1,283	39	0	737	0	4,030	1,283

3.19 Shortbill spearfish

	BERUWELA		KANDAKULIYA		NEGOMBO		WEST COAST OF SRI-LANKA	
INTERVAL	Aug.86/Jul.87	Aug.87/Jul.88	Aug.86/Jul.87	Aug.87/Jul.88	Aug.86/Jul.87	Aug.87/Jul.88	Aug.86/Jul.87	Aug.87/Jul.88
98 cm:	0	0	0	0	0	0	0	0
100 cm:	0	0	0	0	0	0	0	0
102 cm:	0	0	0	0	19	0	19	0
104 cm:	0	0	0	0	19	0	19	0
106 cm:	0	0	0	0	19	0	19	0
108 cm:	0	0	0	0	0	0	0	0
110 cm:	0	0	0	0	0	0	0	0
112 cm:	0	0	0	0	6	0	6	0
114 cm:	0	0	0	0	0	0	0	0
116 cm:	0	0	0	0	10	0	10	0
118 cm:	0	0	0	0	0	0	0	0
120 cm:	0	0	0	0	6	0	6	0
122 cm:	0	0	7	0	0	0	7	0
124 cm:	0	0	0	0	0	0	0	0
126 cm:	0	0	0	0	0	0	0	0
128 cm:	0	0	0	0	0	0	0	0
130 cm:	0	0	0	0	0	0	0	0
132 cm:	0	0	0	0	0	0	0	0
134 cm:	0	0	0	0	0	0	0	0
136 cm:	0	0	0	0	0	0	0	0
138 cm:	0	0	0	0	0	0	0	0
140 cm:	0	0	0	0	0	0	0	0
142 cm:	0	0	0	0	2	0	2	0
144 cm:	0	0	0	0	0	0	0	0
146 cm:	0	0	0	0	0	0	0	0
148 cm:	0	0	0	0	0	0	0	0
150 cm:	0	0	0	0	0	0	0	0
152 cm:	0	0	0	0	0	0	0	0
154 cm:	0	0	0	0	0	0	0	0
156 cm:	0	0	0	0	0	0	0	0
158 cm:	0	0	6	0	0	0	6	0
160 cm:	0	0	0	0	0	0	0	0
162 cm:	0	0	0	0	0	0	0	0
164 cm:	0	0	0	0	0	0	0	0
166 cm:	0	0	0	0	0	0	0	0
168 cm:	0	0	0	0	0	0	0	0
170 cm:	0	0	0	0	0	0	0	0
172 cm:	0	0	0	0	0	0	0	0
174 cm:	0	0	0	0	0	0	0	0
176 cm:	0	0	0	0	0	0	0	0
TOTAL:	0	0	13	0	81	0	94	0
RAISED CATCH FROM WHICH SAMPLES WERE TAKEN: (Kg)	0	0	250	0	847	0	1,097	0
NUMBER OF FISH MEASURED:	0	0	2	0	10	0	12	0
WEIGHT OF FISH MEASURED: (Kg)	0	0	33	0	87	0	120	0

Appendix A. List of tuna/tuna-like and non-tuna species identified

Alpha code	Scientific name	FAO English name
Tunas and Bonitos		
1. YFT	*Thunnus albacares*	Yellowfin tuna
2. SKJ	*Katsuwonus pelamis*	skipjack tuna
3. KAW	*Euthynnus affinis*	Kawakawa
4. FRI	*Auxis thazard*	Frigate tuna
5. BLT	*Auxis rocheii*	Bullet tuna
6. LOT	*Thunnus tonggol*	Longtail tuna
7. BET	*Thunnus obesus*	Bigeye tuna
8. BIP	*Sarda orientalis*	Indo-Pacific bonito
9. DOT	*Gymnosarda unicolor*	Dogtooth tuna
Seerfishes		
10. COM	*Scomberomorus commerson*	Narrow-barred king mackerel
11. WAH	*Acanthocybium solandri*	Wahoo
12. GUT	*Scomberomorus guttatus*	Indo-Pacific king mackerel
13. STS	*Scomberomorus lineolatus*	Streaked seerfish
Billfishes		
14. BLM	*Makaria indica*	Black marlin
15. BUM	*Makaria mazara*	Indo-Pacific blue marlin
16. SAI	*Istiophorus platypterus*	Indo-Pacific sailfish
17. SWO	*Xiphias gladius*	Swordfish
18. MLS	*Tetrapturus audax*	Striped marlin
19. SSP	*Tetrapturus augustirostris*	Shortbill spearfish
Sharks/Skates/Rays		
20. REQ	Carcharhinidae	Requiem sharks
21. LAM	Lamnidae	Mackerel, white sharks
22. HAM	Sphyrnidae	Hammerheads
23. ALO	Alopiidae	Thresher sharks
24. ELA	Elasmobranchii nei	Other sharks,rays, skates
Others		
25. PEL	-	Pelagics
26. DEM	-	Demersals
27. MAM	-	Marine mammals (dolphins, porpoises, small whales)

Appendix B. Types of fishing vessel

1. 11 ton class

There are between eighty and ninety boats of this class currently operating from a number of harbours on the south and west coasts of Sri Lanka. They were introduced through the Abu Dhabi funded North-West Coast Fishery Development Project between 1983 and 1984. The project undertook to produce 80 boats, but some private concerns have purchased a further 10 units. These boats have the following specifications:

Length OA	10.01m	32.85ft
Length DWL	9.35m	30.67ft
Beam	3.71m	12.18ft
Draft DWL	1.28m	4.21ft
Displacement DWL	16.0 ton (approx.)	
Net tonnage	10.5 ton	
Fish-hold capacity	5.5 ton (approx.)	
Propulsion unit	Yanmar 3ESDE diesel engine 56hp (approx.)	
Fuel consumption	estimated at 13.5 litres per hour.	
Number of crew	5 or 6	

At the beginning of the current sampling programme, the average trip of these boats lasted around three days, but over 1987 the trip duration has steadily increased to an average of six days with some boats occasionally making trips of 8 days. The sites most commonly used are Negombo, Mutwal (Colombo), Galle, Mirissa and Tangalle. The 11 m boat is typically a multi-gear fishing vessel. It is designed to carry 50 pieces of net (drift gillnets) and 40 bundles of longlines (drift longlines).

2. 3.5 ton class

This class of vessel is the mainstay of the tuna fishing fleet. The design, known as the E26 design, was first introduced in 1958. It was constructed of wood and carvel-planked. Its original specifications were:

Length OA	8.75 m
Length DWL	7.60 m
Beam	2.51 m
Draft DWL	0.76 m
Displacement	3.5 ton (approx.)
Fish-hold capacity	5.5 ton (approx.)
Propulsion unit	Yanmar 2SME diesel engine 30-35 hp (approx.)

Older vessels currently fishing have a fibre glass (FRP) sheath on the undersides to reduce the damage by wood-boring worms. Nowadays, nearly all boats conforming to the same general design are constructed of FRP. Latterly, there has been a tendency to build bigger boats (up to 9.75 m). These boats are typically operated by a crew of four.

With the increase in the duration of fishing trips now being undertaken, provision for chilling the catch with ice has had to be made and insulated fish holds are included in many of the boats built since early 1987 (FRP sheathed plywood and expanded polyurethane foam).

Traditionally, the 3.5 ton boat was used primarily for drift gillnetting but nowadays, most boats fishing off the west coast use a combination of gears. The complement of gear carried includes drift gillnets and longlines, handlines and trolling lines as well as gears for catching bait (lights/parafin torches, dipnets etc.).

3. 5.5 m FRP boats

The 5.5m class of boat consists of two models. One measures 5.64 m in overall length, the other is 7.16 m. They are constructed out of fibre glass reinforced plastic, and are typically powered by outboard petrol/kerosene motors in the power range of 8-30 hp (18 hp standard). These boats are primarly designed for a crew of two.

Most of these boats carry out drift gillnetting for small pelagic fish such as clupeids, carangids etc., whereas boats carrying the larger mesh gillnets catch small tuna species. Some boats operate troll lines and handlines, targetting on the seerifhses. Traditionally, boats make short trips (one night maximum).

Appendix C. Types of gear and fishing methods

1. Drift gillnet (Fig. C-1)

A net piece is usually 500 x 100 meshes, though the number of meshes deep probably varies with the mesh size. A fleet of nets typically consists of 35-40 pieces with mesh sizes ranging between 115-178 mm.

The length of dropper line (between float and headline) may be varied with sea conditions and the phase of the moon. There are regional differences in the use of groundlines in order to affect the tendency to tangle fish.

2. Drift longline (Fig. C-2)

Lines are set in combination with a fleet of nets, but are left to soak longer. There are typically 5 hooks per basket and between 5 and 30 baskets are used depending on the boat type and season. The range of fishing depths is generally 15 - 25 meters, but varies according to the wind and currents and the distribution of catch along the line. Owing to the relatively shallow depths fished and the bait used (cut pieces of tuna, dolphin, squid etc.) the catch consists predominantly of sharks.

Down the west coast, a kuralon mainline is used; on the south coast, 400 grade monofilament polyamide is used (for catching large yellowfin tuna).

3. Trolling (Figs. C-3, C-4 and C-5)

There are three types of troll lines depending on the target species:

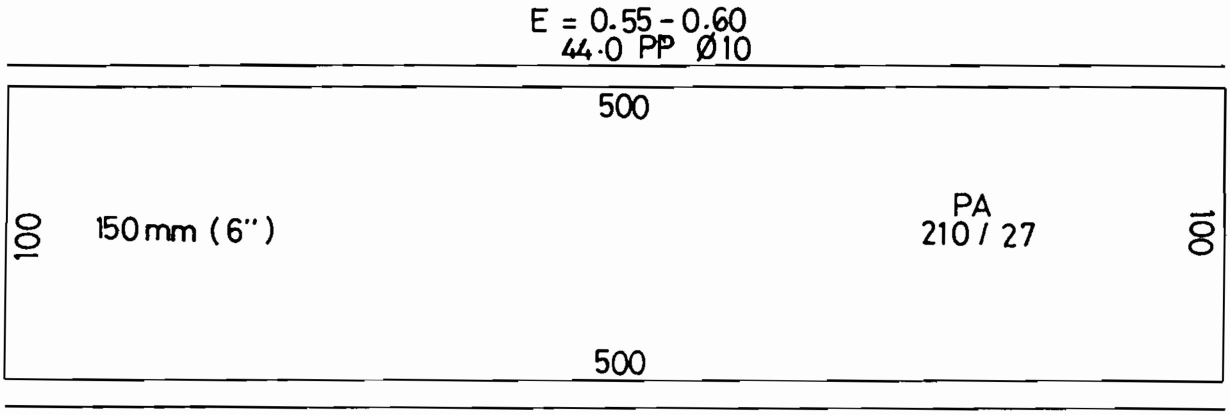
a. For small tunas (less than 50 cm F.L.), troll lines are monofilament polyamide 30-100 m long, bearing up to 50 hooks with artificial feather lures made out of split-film polyethelene fibres teased apart. Up to 5 lines may be used simultaneously. The location of surface schools can be indicated by the presence of birds and lines are towed at reduced speed once in the vicinity.

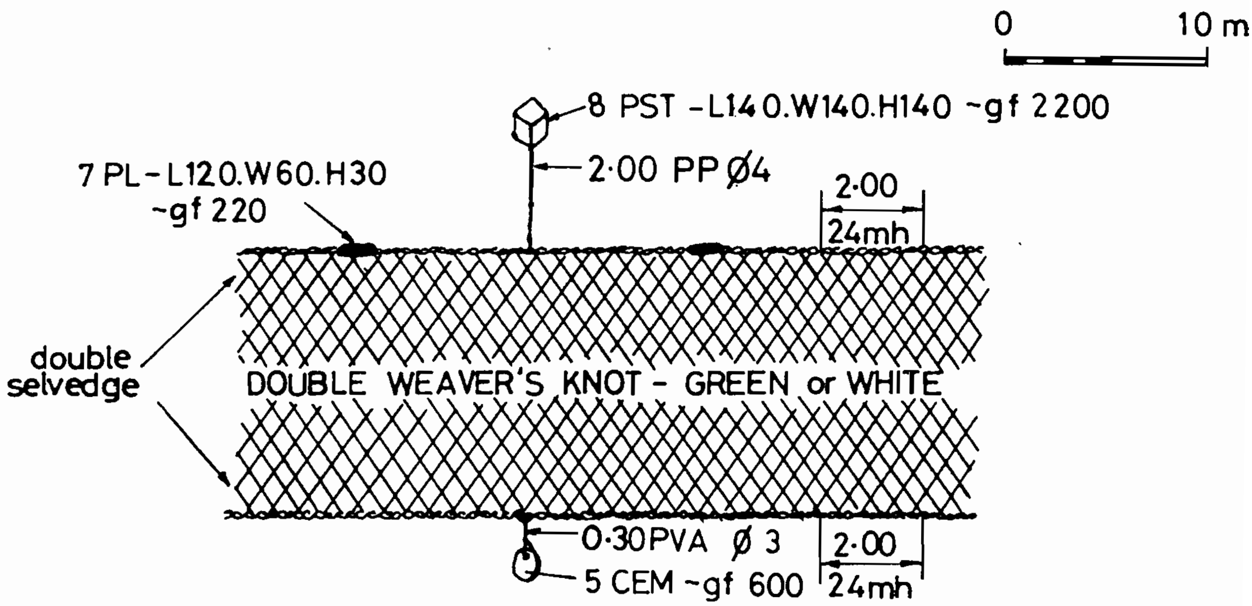
b. For seerfish and medium sized tunas (50-100 cm F.L.) lines have single hooks, and are baited with whole fish, or cut pieces of fish. The most common bait used is hurulla (Amblygaster sirm). Three or four lines may be used ranging in length between 40 and 100m. This gear may be used while the boat is stationary or attending a set of drift gill-nets.

c. Billfish and yellowfin tuna (80 cm F.L. and bigger), a single hooked line of about 300 m in length is used for trolling; of this between 70-100 m is actually in the water. The most popular hooks in use are Nos. 6 and 7 (97 x 34 mm, 4 mm O) and weigh around 85 g.

Fishermen are able to locate large yellowfin tuna by the presence of dolphins (spinner dolphin, Stenella longirostris and spotted dolphin, Stenella attenuata). Then the boat's speed is reduce to some 3-4 knot.

FIG C-1 DRIFT GILL-NET





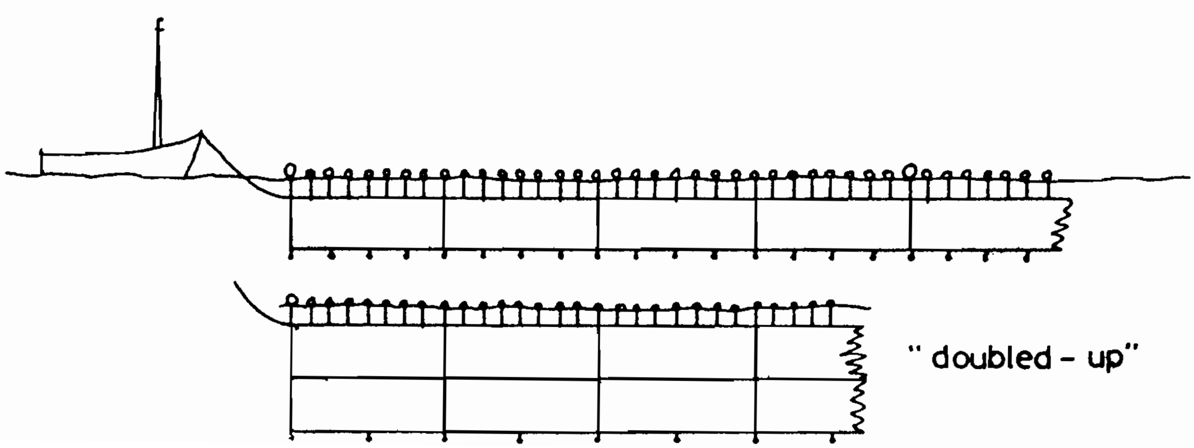


FIG C-2 DRIFT LONG-LINE

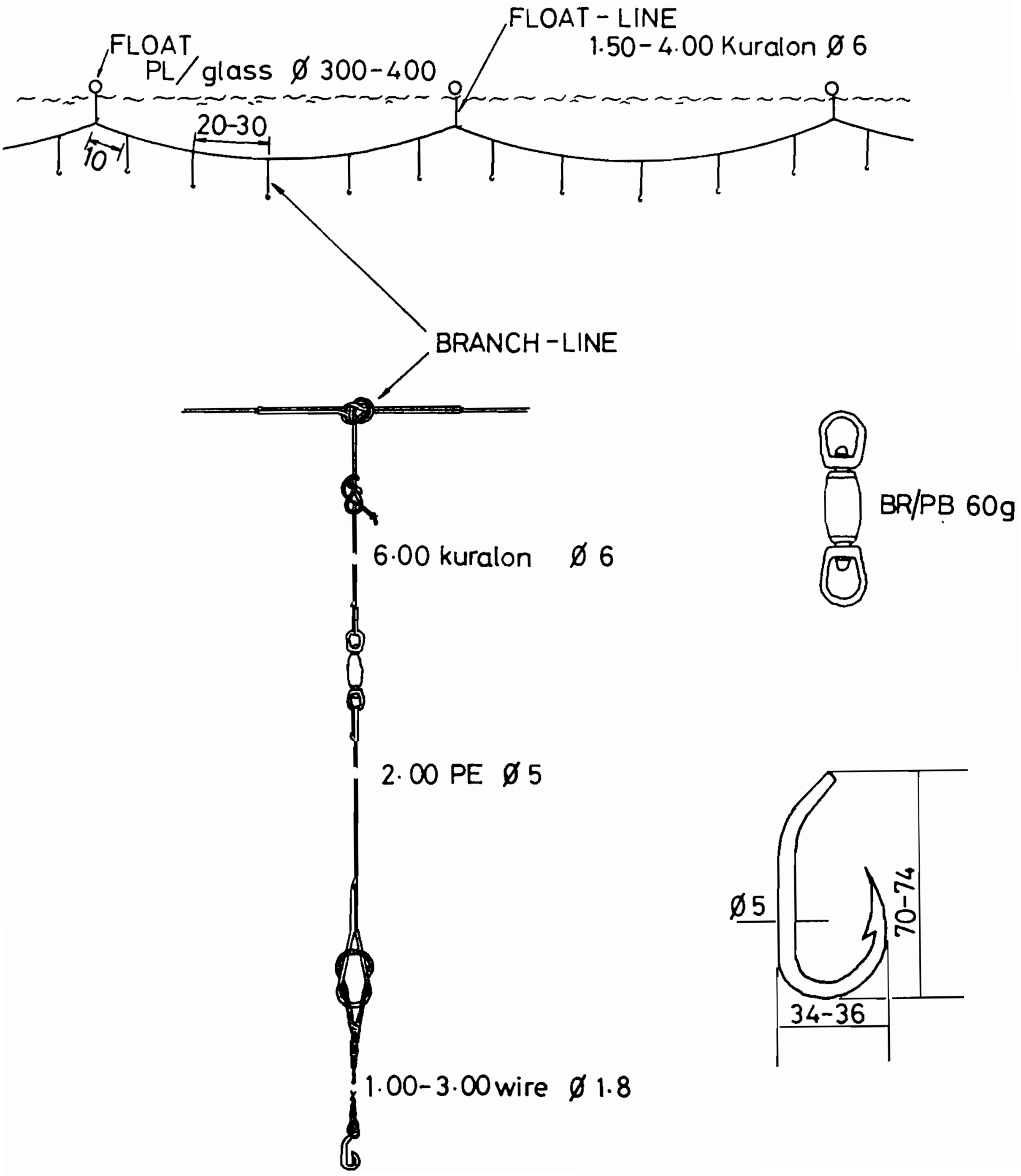
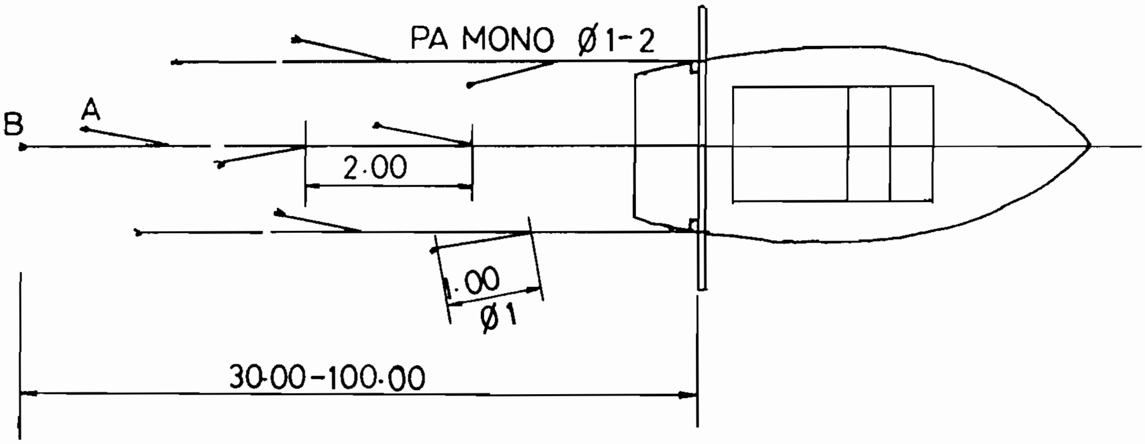


FIG C-3

SURFACE TROLLING (small tunas)



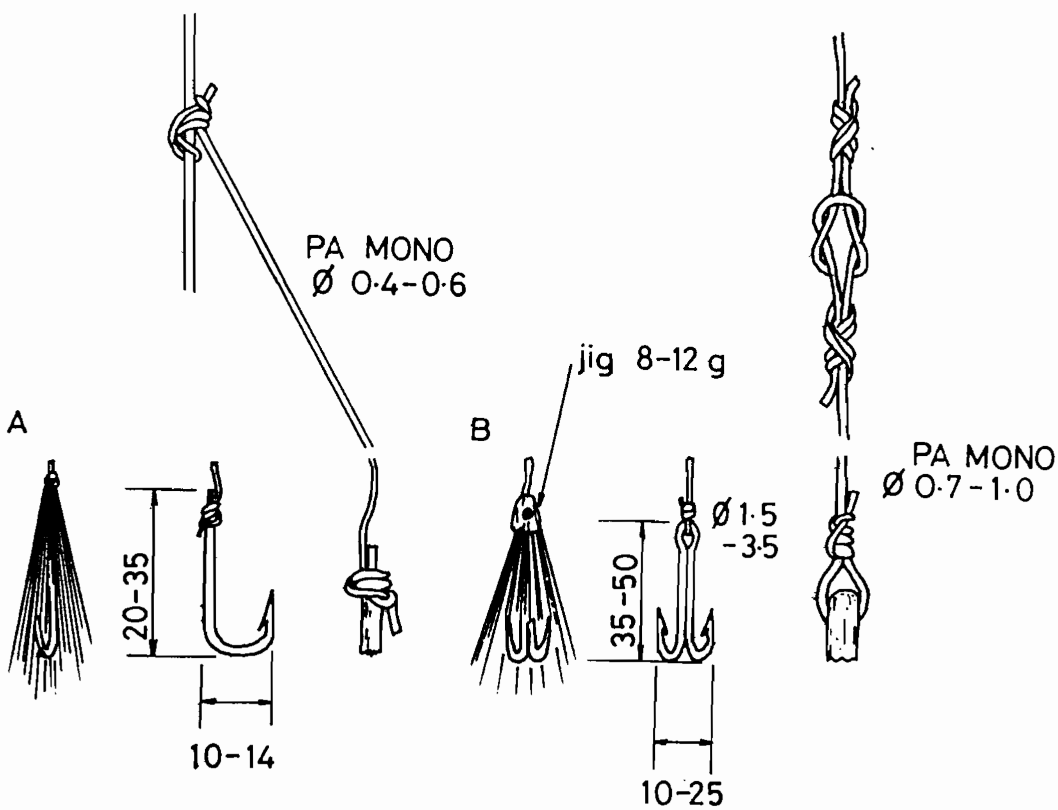


FIG C-4 SURFACE TROLLING (seerfish)

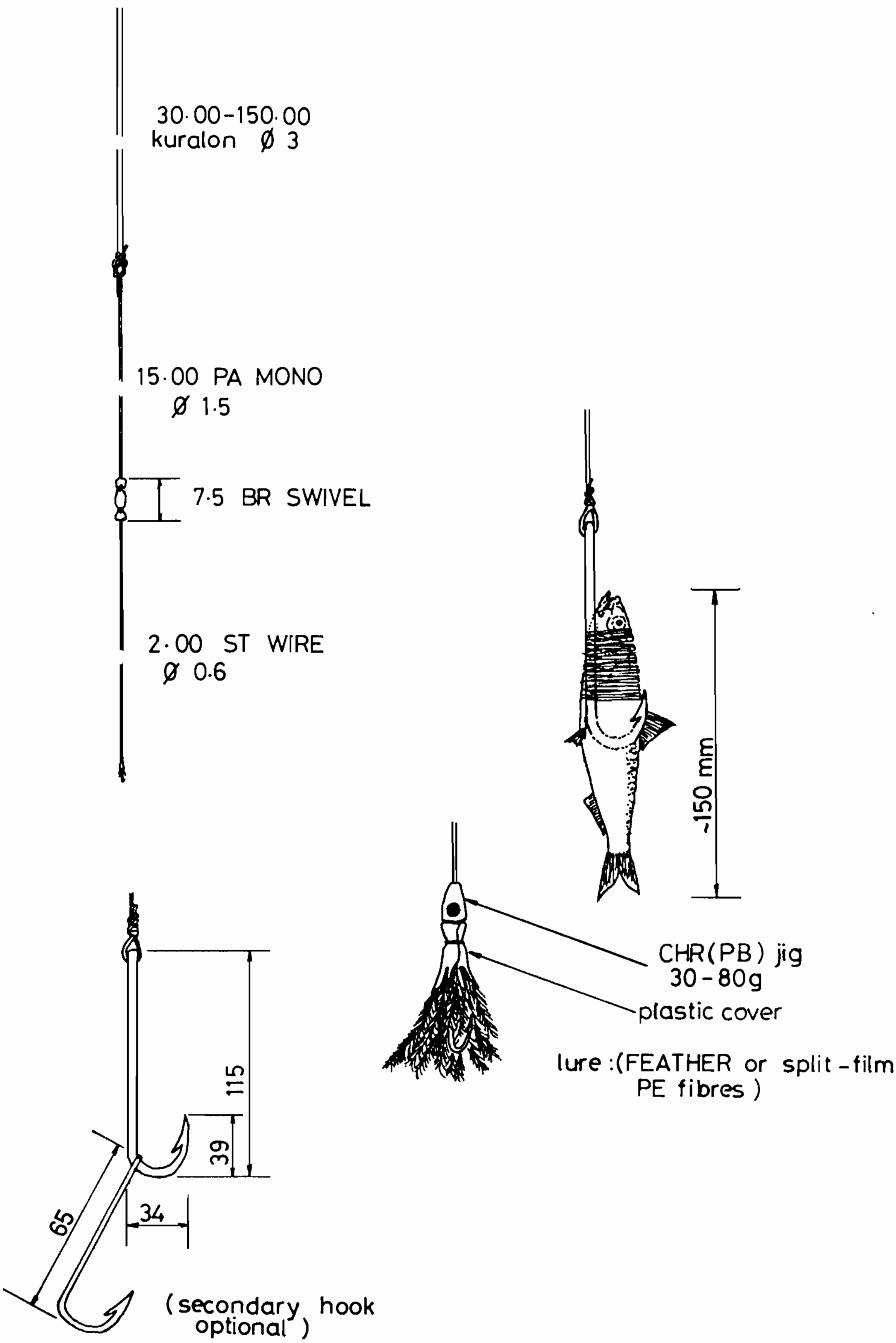
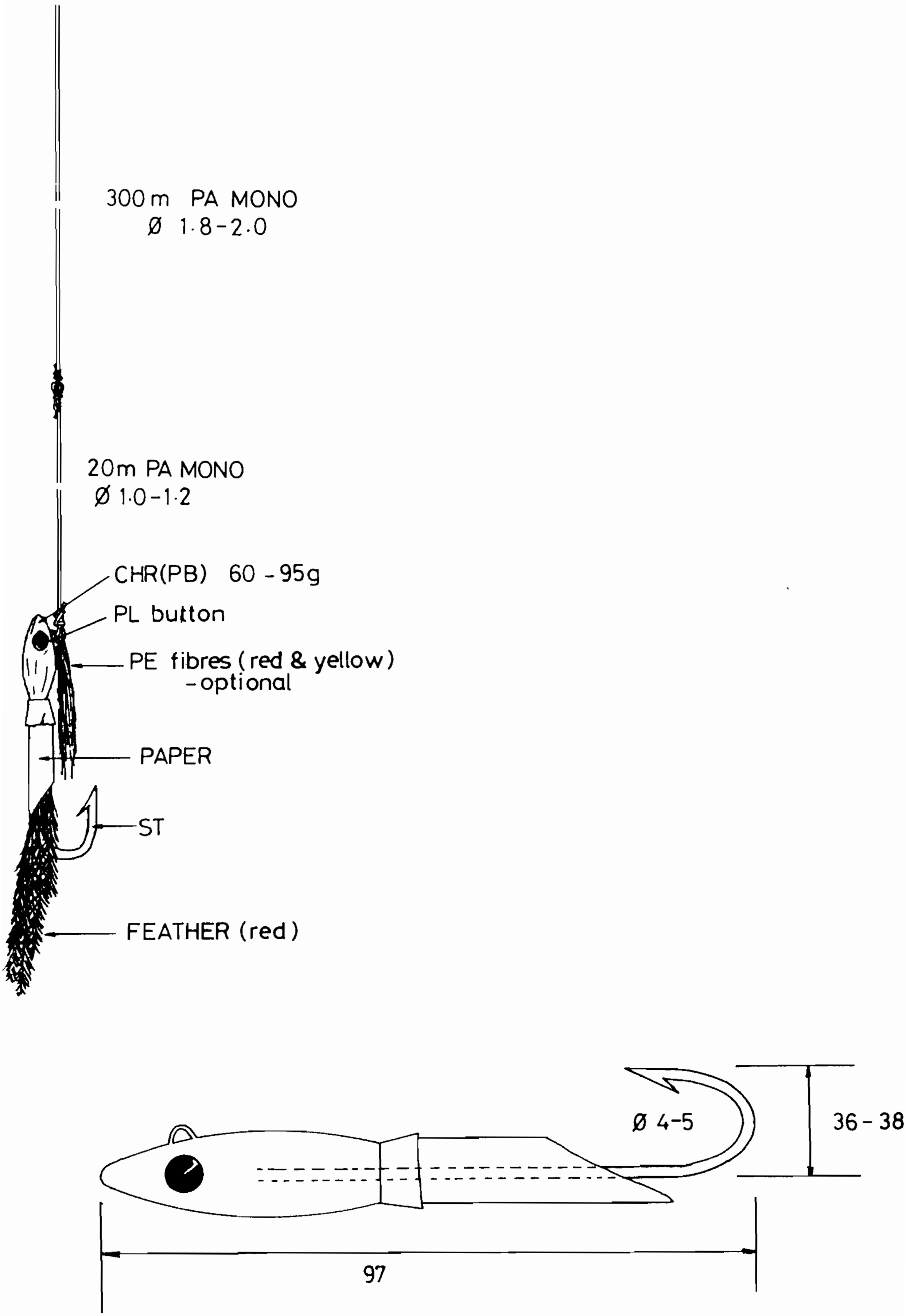


FIG C-5 TROLLING (yellowfin tuna & billfish)



Appendix D. Marketing system for tuna products

The marketing and distribution of tuna catches are handled mostly by the private sector except in the Kandakuliya area where Government agencies such as the Ceylon Fisheries Corporation (C F C) and the Ceylon Fisheries Harbours Corporation (C F H C) are more active in buying and selling fish. In this region, the local consumption of fish is low due to low population. Fish are transported from this region to the Negombo and Colombo areas by state corporation trucks.

However, in the highly populated areas of Negombo and Beruwala, individual buyers carry fish on bicycles and motor bikes to sell at fish stalls or along the road in neighbouring villages and towns within 10 miles of the each landing sites. Besides these individuals there are also about 10-20 private trucks (1-3 tonnes) in each site trasnporting fish to the St Jones' market (Central Colombo fish market), which is the key fish market in Sri Lanka. At this market, fish are brought from all over the Island and are re-distributed Island-wide by private trucks.

In Beruwala, in addition to the above distribution systems, there used to be a cannery operated by SAFCOL (Thailand), but its operation was stopped due to the low availability of shellfish and tunas for canning.

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INDO-PACIFIC TUNA DEVELOPMENT AND MANAGEMENT PROGRAMME

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