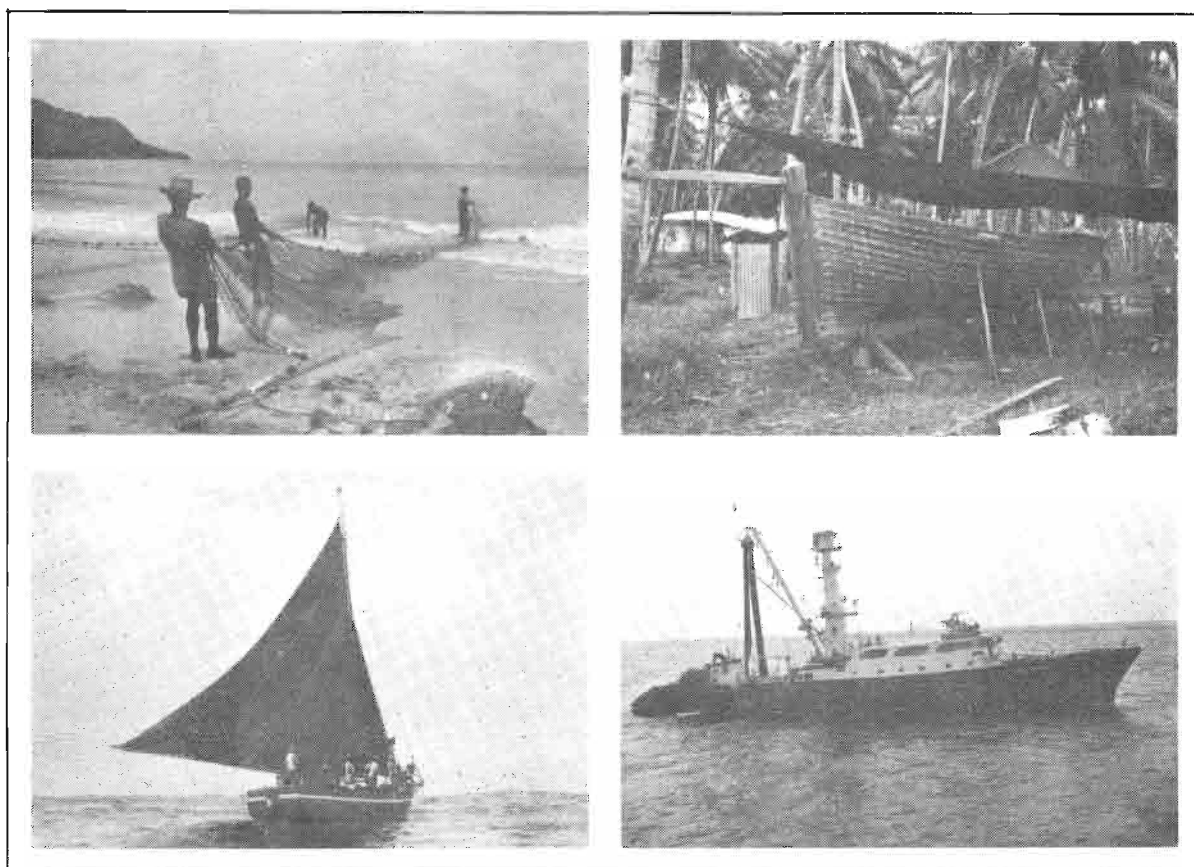


SEYCHELLES FISHING AUTHORITY

TECHNICAL REPORT

SEYCHELLES ARTISANAL FISHERIES

STATISTICS FOR 1987



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**SEYCHELLES ARTISANAL FISHERIES
STATISTICS FOR 1987**

MARCH 1988

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S U M M A R Y

SUMMARY OF 1987 ARTISANAL FISHERY STATISTICS

1. A total of approximately 4000 tonnes of fish was landed in 1987 by an average of 390 fishing boats on Mahe, Praslin and La Digue; with 87% of the landings being made on Mahe. In 1985 and 1986 total landings of 4060 and 4600 tonnes were estimated with an average of 383 and 420 fishing boats in operation.
2. Carangue, bonite, cordonnier, red snapper and capitaine accounted for 63% of the total catch, with carangue alone representing 31%.
3. Important landings of fish were made in February (426 tonnes). The species composition of the landings showed a marked seasonality with opposite trends for catches of pelagic and demersal species.
4. 6% of the total landings on Mahe, Praslin and La Digue were made by pirogues; comprising mainly of trap fishes (60%) and Maquereau (8%).
5. Outboards landed 30% of the total catch (1200tons), mainly carangue (30%), Trap fish (22%) while Demersal fishes (snappers, groupers, capitaine) represented only 14% of the total catch of Outboards.
6. Most of the Whalers operated from Victoria totalling 46% of the total landings on Mahe, Praslin and La Digue. Carangues represented 46% of their catch, Red snapper 12%, Other Pelagic fishes 9%. High catch rates were obtained in April, May, June, and December with the lowest catch rate obtained during August.
7. Schooner catches totalled 636 tonnes of gutted fish with bourgeois representing 29% of the catch, job jaune 10%, maconde 9%, lascar 8% and carangue only 3%. The highest catch rates were obtained during January through May. An average of 24 schooners were in operation, compared to 21 boats in the previous year.
8. An average of six fishing boats were engaged in sport fishing (Marine Charter) and landed around 15 tonnes of fish. Bonite and yellowfin accounted for 53% of the total landings, and sailfish 21%.

9. A total of 675 tonnes of fish was exported (36% fresh and 64% frozen) for a total value (C.I.F) of SR 13.6 M, of which 53% was destined to La Reunion, 21% to France, 14% to England, and 8% to Australia. This represents an increase of 229% in the volume of fish exported compared to 1986 figures.

10. Handline contributed towards 83% of the total catch, traps 11% and nets 5%. The percentage catch distribution by boat type was as follows:

Boat type/gear	Handline	Trap	Net	Total
Pirogue	33	51	16	100
Outboard	64	23	13	100
Whaler	97	3	0	100
Schooner	100	0	0	100

11. The total effort exerted by the artisanal fisheries by gear type was as follows:

Handline - 71,000 men fishing days
 Trap - 137,000 sets
 Net - 2,700 sets

These figures show a decrease compared to last year's efforts.

12. Catch rates obtained were:

	Pirogue	Outboard	Whaler	Schooner
Handline (kg/boat day)	24.4	80.0	321*	218
Static trap (kg/trap)	3.0	4.5	4.7	-
Active trap (kg/trap)	4.4	7.5	-	-
Handline & trap (kg/boat day)	12.9	30.9	-	-
Encircling gillnet (kg/set)	44.1	93.6	-	-
Set gillnet (kg/set)	-	43.3	-	-
Beach seine (kg/haul)	99.6	-	-	-

* denotes kg/boat trip

Most of the catch rates have increased compared to 1986 results.

13. S.M.B. Fish Division purchases

The 11 fish collection centres based on Mahe (8), Praslin (2) and La Digue (1) purchased 1560 tonnes of fish in 1987, representing 39 % of the estimated total catch. 74 % of the fish were bought on Mahe, 22 % on Praslin and 4 % on La Digue; 980 tonnes or 63 % at Victoria and 15 % at Baie St Anne Praslin. The main species sold to S.M.B collection centres were:

-Red snapper : 26 %
 -Vieilles : 18 % (50 % of which is vieille maconde)
 -Job : 15 %
 -Capitaines : 8 %

Victoria and Baie St. Anne Praslin collection centres handled larger amounts of fish at 980 tonnes (63%) and (15%) respectively.

14. Results of 1987 compared to 1985 and 1986

	1985	1986	1987
Total catch for Mahe (t)	3405	4090	3420
Total catch Praslin/La Digue (t)	660	540	520
Total catch (t)	4065	4630	3940
of which Carangue	1340	1360	1240
Red snapper (bourgeois+bordemar)	240	544	456
Capitaine	354	397	308
Bonite	427	324	287
Cordonnier	293	290	204
Maquereau	126	159	158
Mean number of boats in operation per month	405	445	390
of which Pirogue	125	162	148
Outboard	222	209	182
Whaler	37	53	60
Schooner	21	21	24
Fish exports (t)	302	295	675
Catch by Pirogues	405	441	223
Outboards	1425	1369	1197
Whalers	1830	2216	1823
Schooners	380	512	636
Sport	25	17	14
Catch by gear			
handline	2911	3490	3126
traps	460	407	323
traps & handline	327	375	241
net	365	272	195

N.B. Catches of vieilles maconde and other vieilles have been underestimated in the catch assessment survey as S.M.B. purchases are higher than the calculated figures. We may change these figures as follows in table 1A : Maconde : 136 tonnes (instead of 125 t.)
Other vieille : 140 tonnes (instead of 122 t.)

**CATCH ASSESSMENT
SURVEY**

CATCH ASSESSMENT SURVEY - SEYCHELLES

1. ARTISANAL FISHERY SURVEY

1.1 OBJECTIVES OF THE SURVEY

The purpose of this survey is to obtain catch and effort statistics on the artisanal and traditional fisheries of the three main islands of the Seychelles: Mahe, Praslin and La Digue. The boat types covered are pirogues, outboards and whalers (excluding schooners)

1.2 AREA STRATIFICATION

Two super-strata are considered, Mahe Island and Praslin-La Digue group.

The two super strata are divided in five strata in relation to the location of the fishing grounds as follows

MAHE four strata:

MNW (Baie Ternay to Machabee)
 MNE (La Retraite to Petit Paris)
 ME (Cascade to Anse Forban)
 MW (Takamaka to Port Glaud)

PRASLIN-LA DIGUE group one stratum

1.3 BOAT/GEAR CATEGORIES

Catch and effort data are collected for 16 boat/gear types

Traditional Fishing Unit (Pirogues, Motor Pirogue, Rowing Boats) denoted as P.

Gear	Code
Handlines	P.LHP
Traps Static	P.FIXS
Traps active	P.FIXA
Handlines and Traps	P.LHP FIX
Encircling Gillnets	P.GNC
Set Gillnets	P.GNS
Beach Seine	P.BS
Fishermen on foot using harpoons	F.HAR
Fishermen on foot using traps	F.FIX

Artisanal Fishing Unit (Outboard and Whalers)

Outboard	Handlines	OB.LHP
"	Traps static	OB.FIXS
"	Traps active	OB.FIXA
"	Handlines and Traps	OB.LHP.FIX
"	Encircling gillnets	OB.GNC
"	Set Gillnets	OB.GNS
"	Beach seine	OB.BS
Whalers	Handlines	IB.LHP
"	Traps	IB.FIX

1.4 SAMPLING METHOD

Four recorders work on Mahe (one recorder per stratum) and one recorder covers Praslin and La Digue. The number of sampling days for each strata will be allocated to the landing sites proportionally to their size in terms of the number of boats existing.

1.5 OUTPUT OF THE SURVEY

The survey is design to give monthly estimates on a stratum basis of:

- total catch by species group by boat gear type
- total effort by boat gear type defined as follows:

Handline	:	man hours
Traps	:	number of traps set
Gillnets	:	number of sets
Beach seine	:	number of hauls

- Number of fishing boats existing at the different landing sites

1.6 IMPLEMENTATION OF THE SURVEY

1.6.1 Selection of the Primary Sampling Units (PSU's)

The selection of the sampling landing sites within each stratum will be done at the beginning of each month as follows:

The number of sampling days per stratum is equal to the number of working days in the month (The recorders will not work on Sundays and will have one day off per week).

The sampling days will be individually allocated to the landing sites proportionally to their size in number of boats.

1.6.2 RECORDERS WORKING SCHEDULE

The recorders must be present at the sampling sites on every sampling day from 8 am to 4pm.

At the end of the month the recorder must return the completed daily forms. The supervisor will carry out checks on the recorders working in the field.

1.6.3 DAILY RECORD FORMS

+ FORM FS1

By the end of the day, the enumerator must complete Form FS1 with the following informations:

- Number of boats existing at the landing sites by gear type. Existing boat are all the boats which are not under repair and which are engaged in full time or part time fishing. Full time boats are defined as boats doing more than two trips per week whereas the part-time boats are those doing one or two trips per week.
- Number of boat landings at the sampling site by boat gear type and number of boats still out fishing at the end of the day.
- Number of boats sampled at the landing sites by gear type.

+ FORM FS2

Form FS2 is completed for each boat sampled. The catch from each boat sampled must be weighed and recorded in the different species group. If the catch is landed in packets, as many packets as possible must be weighed for each species group and the number of packets must be recorded. In the case of mixed packets the weight must be recorded in the species group which constitutes most of the packet. In the case that the catch is landed in single units of fish, as many fish as possible must be weighed and recorded for each species group and the total number recorded (by species group).

Samples must always be taken in a random manner, e.g. every third fish or packet.

Effort measures must be recorded in the appropriate units for each gear.

1.6.4 METHOD OF ESTIMATION OF CATCH AND EFFORT

Data from the daily record forms will be entered on the IBM PC using a DBase III+ entry program. This will be done each month after all the daily forms have been checked by the supervisor.

The data entered would then be verified by a second person. Once verified the data entry file must be appended to the main database file.

This survey will not give estimates of catch landed on Sundays, Public holidays or catch landed by pleasure boats and schooners.

Monthly catch estimates (or effort) for each species group are calculated through the following steps for each boat category within a stratum.

step 1: for each PSU and for each sampling day, add up the catch (or effort) to obtain the daily sampled totals, A. If the fishes have been weighted gutted, their weight will be corrected by a factor of 1.15 (S.M.B records)

step 2: for each PSU and for each sampling day, calculate the ratio R1 as follows:

$$R1 = \frac{\text{Number of boats landed}}{\text{Number of boats sampled}}$$

step 3: for each PSU and for each sampling day, multiply the total catch (effort) sampled by the ratio R1 to obtain the total catch landed (or effort), B.

step 4: for each PSU, sum the total catch landed (effort), B for all days sampled to obtain the total catch landed (effort) during the sampling days, C.

step 5: for each PSU, calculate the ratio R2 as follows:

$$R2 = \frac{\text{Number of fishing days in the month}}{\text{Number of days sampled}}$$

NB: The number of fishing days in the month is equal to the calender days less Sundays and public holidays.

step 6: for each PSU, multiply the total catch landed (effort) during the sampling days C, by R2 to obtain the monthly catch (effort), D.

step 7: Sum up the monthly catch (effort) D, for all PSU's to obtain the total catch (effort) in all PSU's, E.

step 8: Calculate the ratio R3 as follows:

$$R3 = \frac{\text{Number of boats existing in the stratum}}{\text{Number of boats existing in all PSU's.}}$$

step 9: Multiply the total catch (effort) for all the PSU's, E by ratio R3 to obtain the total catch (effort) for the whole stratum, F.

This procedure, Step 1 to 9, must be repeated for each boat gear category for each stratum. The estimates for Mahe super-stratum can be obtained by the summation of the stratum results.

1.6.5 CALCULATION OF CATCH RATES AND MEAN EFFORT

For each stratum and boat gear category, monthly sample data on catch and effort are summed and divided by the number of units sampled to obtain average catch rates and effort.

2. SCHOONER SURVEY

2.1 OBJECTIVES

The purpose of this survey is to obtain catch and effort statistics on the schooner fishery based in Victoria.

2.2 SPECIES CLASSIFICATION

Catch and effort data will be collected for 29 species groups "others

Schooner Species Group	Corresponding Artisanal Survey species group
1. Bourgeois)	Red Snapper
2. Bordemar)	
3. Therese)	
4. Vara Vara	Vara Vara
5. Job Gris)	Job
6. Job Jaune)	
7. Batrican)	
8. V. Maconde	Maconde
9. V. Platte)	Other Vieille
10. Tioffe)	
11. Croissant)	
12. Other Vieille)	
13. C. Blanc)	Capitaine
14. G. Longue)	
15. Lascar)	
16. C. Berie)	
17. C. Rouge)	
18. Bacsous)	
19. Carangues	Carangues

20.	Saumon	)	
21.	Sailfish	)	
22.	Kingfish	)	Other Pelagics
23.	Yellowfin	)	
24.	Bonite		Bonite
25.	Dogtooth	)	
26.	Dorade	)	Other Pelagics
27.	Tazard	)	
28.	Becune	)	Becune
29.	Sharks		Sharks
30.	Others		Others

2.3 OTHER RELEVANT DATA COLLECTED

- Effort:

The number of days at sea and crew size for each boat sampled is recorded as a measure of effort. The number of fishing days per trip is estimated by subtracting two days off the number of days spent at sea, for trips carried out on the Mahe Plateau; and three days for trips to the Amirantes Group. This accounts for the time spent steaming to and from the fishing grounds.

-Location of fishing grounds

-Economic Data

Indicators of running costs per trip are also recorded. These include bait, diesel consumption and ice.

2.4 SAMPLING METHOD

The recorder samples all schooner arrivals each day. A number of boats are sampled and a record form completed for this boat.

For any boat sampled, the recorder must be present at the landing site so that the totality of the catch for this boat is estimated. In most cases, all schooners sell the majority of their catch to the Seychelles Marketing Board (SMB), with a smallest percentage being sold on the market. Accurate weighings by species can be obtained from the SMB, but fish sold on the market can be estimated only when the recorder is present at the landing site.

2.5 METHOD OF ESTIMATION OF CATCH AND EFFORT DATA

The species composition is estimated using sampled data (data complete) and extrapolated to the monthly catch.

The estimation of catch and effort is done using only the record forms for which complete catch and effort were obtained. The following steps are taken:

step 1: Sum the total catch by species and effort in man x days fishing, for all trips sampled to obtain the total catch (effort) sampled, A and catch sampled by species B, to B29.

step 2: Calculate the percentage species composition of the total catch sampled, C1 to C29.

step 3: Divide the total catch sampled (effort) A, by the number of trips sampled to obtain the mean catch (effort) per boat trip, D.

step 4: Multiply the mean catch (effort) per boat trip, D by the total number of trips made throughout the whole month, to obtain the monthly estimated total catch (effort) of the schooner fleet E.

step 5: Apply the percentage species composition C1 to C29 to the estimated total catch E, to obtain the species total catch F1 to F29.

2.6 CALCULATION OF MONTHLY CATCH RATES AND MEAN EFFORT

Average catch per man per day fishing is obtained by dividing the total sample catch by the total sample effort (expressed in man x days fishing). The mean catch per trip is already obtained in Sect 5, Step 2. The mean effort expressed in mean crew size, mean days fishing and mean man x days fishing is calculated by averaging the sample data.

3. SPORT FISHERY SURVEY

The Marine Charter filled special forms: Weights are estimated for each species and the number of each recorded; number of lines per boat and number of hours out are also recorded. As this survey is based on complete coverage all catch and effort data are added.

4. SEYCHELLES MARKETING BOARD DATA

4.1 EXPORT

Export purchase invoices are collected and compiled by the S.F.A. (computer section) on a monthly basis.

4.2 PURCHASES OF FISH FROM COLLECTION CENTRES

Fishery field workers are recording all fishes bought by the 11 S.M.B. collection centres of Mahe, Praslin and La Digue from the purchase order books.

SPECIES LIST

<u>SPECIES GROUP</u>	<u>SCIENTIFIC NAMES</u>
CARANGUE BALO	<u>Carangoides gymnostethus</u>
OTHER CARANGUE	<u>C. fulvoguttatus</u> , <u>C. malabricus</u> , <u>C. chrysophrys</u> , <u>C. melampygus</u> , <u>C. sexfaciatus</u> <u>C. ignobilis</u>
MAQUEREAU DOUX	<u>Rastrelliger kanagurta</u>
OTHER MAQUEREAUX	<u>Caesio caerulaureus</u> , <u>Selar crumenophtalus</u>
BONITE	<u>Euthynnus affinis</u>
OTHER PELAGIC	<u>Thunnus albacares</u> , <u>Katsuwonus pelamis</u> , <u>Gymnosarda unicolor</u> , <u>Sarda orientalis</u> , <u>Acanthocybium solandri</u> , <u>Coryphaena hippurus</u> , <u>Istiophorus platypterus</u> , <u>Makaira spp.</u>
BECUNE	<u>Sphyrna barracuda</u> , <u>S. bleekeri</u> , <u>S. obtusata</u> <u>S. forsteri</u>
CORDONIER	<u>Siganus sp.</u>
OTHER TRAP FISH	<u>Scarus sp.</u> , <u>Parupeneus sp.</u> , <u>Acanthurus sp.</u> <u>Diagramma pictum</u> , <u>Bodianus sp.</u>
RED SNAPPERS	<u>Lutjanus sebae</u> , <u>L. coccineus</u>
VARA VARA	<u>L. bohar</u>
JOB	<u>Aprion virescens</u> , <u>Aphareus rutilans</u>
MACONDE	<u>Epinephelus chlorostigma</u>
OTHER VIEILLE	<u>Epinephelus sp.</u> , <u>Cephalopholis sp.</u> , <u>Plectropomus sp.</u> , <u>Variola louti</u>
CAPITAINE	<u>Lethrinus sp.</u> , <u>Gymnocranius sp.</u>
SHARK AND RAYS	All sharks and rays species
OCTOPUS	All octopus species
OTHERS	Other non-stated species

T A B L E S

TABLE 1A. TOTAL CATCH LANDED BY LOCAL BOATS ON MAHE/ PRASLIN/ LA Digue IN 1987 (Units: MT)

BOAT TYPE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL	%
FISHERMEN ON FOOT	3.8	5.3	5.8	9.7	4.6	0.7	3.0	2.1	3.6	8.2	3.2	1.2	51.1	1.3%
PIROGUES	29.4	19.3	26.3	23.5	17.3	7.0	16.3	10.8	11.3	18.4	20.8	22.6	223.0	5.7%
OUTBOARDS	72.7	126.6	132.6	141.8	98.5	61.8	83.6	47.5	78.2	89.5	126.3	137.4	1196.5	30.3%
WHALERS	155.3	201.2	146.7	162.0	168.9	203.5	152.8	62.8	96.7	203.9	99.4	169.5	1822.6	46.2%
SCHOONERS	53.6	71.7	62.2	56.5	68.6	32.0	50.6	33.6	39.2	53.0	54.6	60.6	636.3	16.1%
SPORT FISHING	2.0	1.4	0.8	0.7	0.3	0.0	0.9	1.9	2.1	1.5	1.6	1.0	14.3	0.4%
TOTAL	316.9	425.6	374.4	394.2	358.2	305.0	307.2	158.8	231.1	374.4	305.8	392.4	3943.8	100.0%

SPECIES COMPOSITION

CARANGUES	56.9	82.1	71.8	134.4	144.0	208.0	147.9	47.5	56.5	43.1	66.3	181.4	1239.8	31.4%
MAQUEREAU DOUX	8.1	6.1	12.8	5.3	2.2	0.3	9.6	2.9	3.8	2.1	14.1	42.8	109.9	2.8%
OTHER MAQUEREAU	3.0	5.5	3.0	4.3	3.4	0.1	0.1	0.0	1.9	8.1	7.2	11.3	47.7	1.2%
BONITE	43.8	44.6	52.4	28.6	17.8	22.0	17.1	6.7	22.5	11.3	10.9	9.2	286.9	7.3%
OTHER PELAGIC	20.4	12.8	4.1	5.5	7.7	5.5	7.3	5.5	10.8	6.7	4.4	3.6	94.3	2.4%
BECUNE	14.5	7.8	5.1	17.5	8.5	2.5	2.6	1.0	3.5	13.2	21.1	6.6	103.8	2.6%
CORDONIER	22.7	20.7	19.0	22.2	11.8	10.9	11.7	7.0	11.7	22.8	24.3	18.7	203.5	5.2%
OTHER TRAP FISH	17.8	20.9	19.6	21.4	23.3	9.6	20.8	15.3	17.1	21.3	23.3	23.3	233.6	5.9%
RED SNAPPER	29.3	75.7	86.1	58.8	45.0	2.6	4.8	7.2	31.4	59.2	39.7	15.7	455.5	11.6%
VARA VARA	16.2	6.3	5.1	6.6	12.3	6.2	6.8	5.6	6.9	7.9	4.2	7.5	91.5	2.3%
JOB	30.9	26.5	22.3	18.7	26.7	9.2	12.7	15.0	16.8	101.2	31.5	30.7	342.3	8.7%
MACONDE	5.8	13.9	13.0	19.3	13.1	3.6	5.9	5.1	7.8	16.6	13.2	7.7	125.0	3.2%
OTHER VIEILLE	9.4	16.8	19.1	15.5	13.0	3.0	4.6	3.7	7.4	12.6	11.1	6.2	122.4	3.1%
CAPITAINE	22.2	31.0	31.1	22.1	19.2	17.6	38.4	29.1	23.4	33.5	20.4	19.8	307.9	7.8%
SHARK & RAY	2.6	4.0	1.4	0.9	4.9	2.0	5.2	2.4	3.7	4.4	7.5	2.8	41.9	1.1%
OCTOPUS	3.0	6.5	7.7	11.9	4.5	0.6	2.8	2.0	4.0	9.3	4.2	1.7	58.2	1.5%
OTHERS	10.2	44.4	0.8	1.2	0.9	1.3	8.9	2.9	1.8	1.3	2.6	3.4	79.6	2.0%
TOTAL	316.9	425.6	374.4	394.2	358.2	305.0	307.2	158.8	231.1	374.4	305.8	392.4	3943.8	100.0%

TABLE 1B. TOTAL CATCH LANDED BY LOCAL BOATS ON MAHE IN 1987 (Units: MT)

BOAT TYPE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL	%
FISHERMEN ON FOOT	1.9	2.7	1.7	2.7	1.2	0.6	3.0	0.7	0.9	1.8	1.3	0.6	18.9	0.6%
PIROGUES	14.3	11.1	8.8	8.6	10.2	4.9	11.2	7.3	4.9	6.6	9.4	14.7	112.0	3.3%
OUTBOARDS	63.7	102.6	118.1	119.4	79.8	51.7	61.6	36.1	65.0	59.5	95.3	102.2	955.0	27.9%
WHALEERS	133.3	196.8	119.9	137.3	165.0	201.6	148.4	50.7	86.5	195.1	91.6	155.7	1681.9	49.2%
SCHOONERS	53.6	71.7	62.2	56.5	68.6	32.0	50.6	33.6	39.2	53.0	54.6	60.6	636.3	18.6%
SPORT FISHING	2.0	1.4	0.8	0.7	0.3	0.0	0.9	1.9	2.1	1.5	1.6	1.0	14.3	0.4%
TOTAL	268.8	386.3	311.6	325.1	325.2	290.7	275.6	130.3	198.6	317.6	253.8	334.9	3418.4	100.0%

SPECIES COMPOSITION

CARANGUES	48.4	73.2	61.1	130.2	138.5	201.5	142.1	40.4	54.8	40.8	64.6	162.4	1158.1	33.9%
MAQUEREAU DOUX	3.5	3.8	12.4	4.7	2.1	0.2	5.8	1.9	3.2	2.1	10.7	39.1	89.2	2.6%
OTHER MAQUEREAU	1.9	0.4	0.7	0.4	1.8	0.1	0.1	0.0	1.9	0.5	3.9	3.1	14.7	0.4%
BONITE	40.4	42.8	47.8	26.5	15.9	21.1	16.5	5.6	21.7	11.2	9.9	8.6	268.0	7.8%
OTHER PELAGIC	18.8	12.8	3.9	4.0	6.2	4.3	7.3	4.6	10.1	6.7	3.8	3.3	85.9	2.5%
BECUNE	12.5	7.8	4.6	16.0	8.4	2.4	2.4	1.0	3.5	11.4	19.5	5.6	95.2	2.8%
CORDONIER	14.4	15.1	10.4	14.9	8.9	9.8	9.2	4.4	4.6	10.6	13.4	11.1	126.7	3.7%
OTHER TRAP FISH	13.8	16.6	14.4	15.1	16.7	8.4	14.7	10.9	8.2	11.3	12.9	16.5	159.5	4.7%
RED SNAPPER	27.4	73.3	75.7	46.4	42.9	2.4	4.3	5.9	29.9	55.2	34.3	12.8	410.4	12.0%
VARA VARA	14.2	6.3	4.3	5.4	12.2	6.2	6.8	5.6	6.6	7.6	4.0	7.4	86.6	2.5%
JOB	27.0	26.0	19.7	17.6	25.7	8.5	10.9	12.1	15.0	99.1	27.2	28.8	317.6	9.3%
MACONDE	5.5	12.3	9.9	11.6	10.7	3.3	5.5	4.8	7.2	11.9	10.5	6.1	99.3	2.9%
OTHER VIEILLE	8.8	16.1	16.3	11.3	12.2	2.9	3.9	3.4	6.5	11.3	9.8	5.5	108.1	3.2%
CAPITAINE	18.5	29.1	24.4	14.5	16.5	16.0	32.3	24.9	19.8	30.3	17.8	17.3	261.4	7.6%
SHARK & RAY	1.8	3.2	1.3	0.9	4.4	1.8	3.4	2.1	2.8	3.7	6.7	2.7	34.8	1.0%
OCTOPUS	2.2	3.8	3.7	4.6	1.2	0.5	2.6	0.5	1.3	2.8	2.1	1.2	26.4	0.8%
OTHERS	9.8	43.9	0.8	1.0	0.9	1.3	7.9	2.3	1.5	1.2	2.6	3.4	76.5	2.2%
TOTAL	268.8	386.3	311.6	325.1	325.2	290.7	275.6	130.3	198.6	317.6	253.8	334.9	3418.4	100.0%

TABLE 1C. TOTAL CATCH LANDED BY LOCAL BOATS ON PRASLIN / LA DIGUE IN 1987 (Units: MT)

BOAT TYPE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL	%
FISHERMEN ON FOOT	1.9	2.7	4.1	7.0	3.4	0.1	0.1	1.4	2.7	6.4	1.9	0.6	32.2	6.1%
PIROGUES	15.1	8.2	17.5	14.9	7.1	2.1	5.1	3.4	6.4	11.8	11.4	7.9	111.0	21.1%
OUTBOARDS	9.0	24.0	14.5	22.4	18.7	10.1	22.0	11.4	13.2	30.0	31.0	35.2	241.5	46.0%
WHALERS	22.0	4.4	26.7	24.7	3.9	2.0	4.4	12.1	10.2	8.7	7.8	13.8	140.8	26.8%
TOTAL	48.0	39.2	62.9	69.1	33.0	14.3	31.6	28.4	32.5	56.9	52.0	57.5	525.4	100.0%

SPECIES COMPOSITION

CARANGUES	8.5	9.0	10.7	4.2	5.4	6.5	5.8	7.1	1.7	2.3	1.6	19.0	81.7	15.5%
MAQUEREAU DOUX	4.7	2.3	0.4	0.6	0.2	0.1	3.8	1.0	0.6	0.0	3.3	3.7	20.7	3.9%
OTHER MAQUEREAU	1.1	5.1	2.4	3.8	1.5	0.0	0.0	0.0	0.0	7.7	3.3	8.2	33.0	6.3%
BONITE	3.4	1.8	4.6	2.1	1.9	0.9	0.6	1.1	0.8	0.1	1.0	0.6	18.9	3.6%
OTHER PELAGIC	1.6	0.0	0.1	1.5	1.5	1.2	0.0	0.9	0.7	0.0	0.6	0.3	8.4	1.6%
BECUNE	2.0	0.0	0.5	1.5	0.1	0.0	0.2	0.0	0.0	1.7	1.6	1.0	8.6	1.6%
CORDONIER	8.3	5.6	8.6	7.2	2.9	1.1	2.6	2.6	7.0	12.2	10.9	7.6	76.8	14.6%
OTHER TRAP FISH	3.9	4.3	5.2	6.3	6.6	1.2	6.1	4.3	9.0	10.0	10.4	6.8	74.1	14.1%
RED SNAPPER	1.9	2.4	10.4	12.5	2.2	0.2	0.5	1.2	1.5	4.0	5.4	2.9	45.1	8.6%
VARA VARA	2.0	0.0	0.8	1.2	0.1	0.0	0.0	0.0	0.3	0.3	0.1	0.1	4.9	0.9%
JOB	3.9	0.5	2.6	1.1	1.0	0.7	1.8	2.9	1.9	2.1	4.3	1.9	24.7	4.7%
MACONDE	0.3	1.6	3.0	7.7	2.4	0.4	0.4	0.3	0.7	4.7	2.6	1.6	25.7	4.9%
OTHER VIEILLE	0.6	0.6	2.8	4.2	0.8	0.1	0.7	0.3	0.9	1.3	1.3	0.7	14.3	2.7%
CAPITAINE	3.7	1.9	6.7	7.7	2.7	1.6	6.1	4.3	3.6	3.2	2.6	2.5	46.6	8.9%
SHARK & RAY	0.8	0.8	0.1	0.0	0.5	0.2	1.9	0.4	0.9	0.7	0.8	0.1	7.1	1.3%
OCTOPUS	0.9	2.8	4.0	7.3	3.2	0.1	0.2	1.5	2.7	6.5	2.1	0.5	31.8	6.1%
OTHERS	0.4	0.5	0.0	0.2	0.0	0.0	1.0	0.6	0.3	0.1	0.0	0.0	3.1	0.6%
TOTAL	48.0	39.2	62.9	69.1	33.0	14.3	31.6	28.4	32.5	56.9	52.0	57.5	525.4	100.0%

TABLE 2.

TOTAL CATCH FOR SCHOONER FISHERY IN 1987 (Units: Kg)

SPECIES	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL	%
Bourgeois	17.3	27.6	27.1	26.3	25.1	1.3	1.6	3.0	11.3	21.4	18.1	8.4	188.5	29.3%
Bordemar	0.8	2.7	5.0	1.8	3.2	0.1	0.3	0.3	0.4	1.8	1.7	0.6	18.7	2.9%
Vara vara	2.3	3.1	1.9	3.1	2.1	6.0	6.8	5.3	2.5	0.7	1.8	4.7	40.3	6.3%
Job gris	3.4	4.8	5.9	5.0	3.9	2.6	3.8	2.4	2.4	2.8	4.6	4.9	46.5	7.2%
Job Jaune	6.5	7.8	5.5	2.3	9.6	0.9	1.2	0.2	2.1	7.0	8.6	11.6	63.3	9.8%
Batrican	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.1	0.0%
Vieille Maconde	3.1	4.6	4.4	4.6	5.0	3.1	4.8	3.7	5.4	6.9	4.7	5.3	55.6	8.6%
Vieille Platte	3.7	8.0	7.1	5.6	6.8	1.3	1.3	1.0	2.4	4.9	4.4	2.4	48.9	7.6%
Tioffe	0.4	0.7	0.6	0.7	0.7	0.4	0.7	0.5	0.8	1.0	0.7	0.8	7.9	1.2%
Croissant	0.4	0.6	0.5	0.6	0.6	0.4	0.6	0.5	0.7	0.9	0.6	0.7	7.1	1.1%
Other Vieilles	0.5	0.7	0.7	0.7	0.8	0.5	0.7	0.6	0.9	1.1	0.7	0.8	8.7	1.4%
Capitaine Blanc	0.8	1.0	1.7	1.0	0.9	0.1	0.4	1.0	1.1	2.2	1.8	1.1	13.1	2.0%
Guele Longue	1.0	1.4	0.7	0.7	0.9	0.3	0.1	0.6	0.4	0.9	0.1	0.1	7.2	1.1%
Lascar	1.1	0.9	0.7	0.6	1.4	9.0	19.8	8.4	3.9	0.2	0.2	8.0	54.2	8.4%
Dame Berri	0.0	0.0	0.0	0.0	0.0	0.8	0.9	0.8	0.5	0.0	0.0	0.4	3.4	0.5%
Capitaine Rouge	0.2	0.7	0.9	0.8	0.4	0.2	0.3	0.6	0.7	1.2	0.7	0.4	7.1	1.1%
Bacsous	0.0	0.1	0.0	0.0	0.0	0.4	0.8	0.6	0.3	0.0	0.0	0.4	2.6	0.4%
Carangues	0.8	3.0	2.5	0.8	1.9	2.4	1.0	1.3	0.8	0.6	0.5	3.7	19.3	3.0%
Saumon	0.5	0.4	0.3	0.4	2.2	0.1	0.1	0.1	0.2	1.1	0.9	1.2	7.5	1.2%
Sailfish	0.1	0.2	0.0	0.1	0.1	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.6	0.1%
Kingfish	0.1	0.1	0.1	0.1	0.1	0.0	0.1	0.0	0.1	0.3	0.3	0.2	1.5	0.2%
Yellowfin	1.0	1.1	0.1	0.2	0.3	0.3	0.1	0.3	0.4	0.3	0.3	0.3	4.7	0.7%
Bonite	0.3	0.1	0.1	0.3	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.1	1.2	0.2%
Dog Tooth	0.2	0.1	0.0	0.1	0.2	0.1	0.2	0.1	0.2	0.0	0.1	0.3	1.6	0.2%
Dorado	0.2	0.3	0.1	0.2	0.3	0.1	0.0	0.0	0.0	0.1	0.2	0.3	1.8	0.3%
Tazar	0.1	0.2	0.0	0.0	0.2	0.2	0.1	0.1	0.0	0.1	0.0	0.2	1.2	0.2%
Becune	0.7	0.2	0.1	0.3	1.3	0.3	1.9	0.5	1.3	0.3	1.2	1.7	9.8	1.5%
Requin	0.6	1.1	0.0	0.1	0.1	0.2	0.2	0.4	0.1	0.2	1.2	0.2	4.4	0.7%
Others	7.5	0.4	0.1	0.1	0.2	0.8	2.7	1.2	0.2	0.4	1.2	2.2	17.0	2.6%
TOTAL	53.6	71.9	66.0	56.5	68.4	32.0	50.7	33.5	39.2	56.4	54.6	60.7	643.6	100.0%

EFFORT

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No. of boats in oper.	24	27	29	25	15	19	24	22	22	28	23	24	23.5	†
No. of trips	45	55	59	50	61	37	53	39	52	61	55	61	628	
Total days fishing	217	270	258	229	271	183	241	182	243	274	280	309	2957	
Total no. of men	255	325	340	282	333	216	307	202	273	317	293	305	3448	
Total men/days	1229	1591	1489	1295	1482	1068	1397	944	1279	1426	1495	1543	16238	

DAILY EFFORT

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Mean crew	5.7	5.9	5.8	5.6	5.5	5.8	5.8	5.2	5.3	5.2	5.3	5.0	5.5	
Mean days/fish	4.8	4.9	4.4	4.6	4.4	4.9	4.6	4.7	4.7	4.5	5.1	5.1	4.7	

CATCH RATES

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Kg/boat trip	1191.0	1304.0	1121.0	1130.0	1124.5	864.0	954.3	862.0	754.1	924.1	993.3	994.1	1024.4	
Kg/(man x day)	60.0	46.8	46.6	46.5	48.1	30.0	38.1	36.5	32.1	44.8	36.8	43.0	42.8	

† Denotes mean no. of boats

TABLE 3.

TOTAL CATCH FOR SPORT FISHERY IN 1987 (Units:Kg)

SPECIES	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL	%
Sailfish	190	160	120	20	30	0	280	420	510	570	680	110	3090	21.5%
Blue Marlin	70	0	0	0	0	0	0	0	0	0	0	0	70	0.5%
Black Marlin	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0%
Sword Fish	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0%
Yellowfin	420	80	30	10	20	30	290	740	1070	80	60	50	2880	20.0%
Skip Jack	0	0	0	0	10	0	0	0	0	0	0	0	10	0.1%
Bonite	1040	910	140	470	240	4	200	460	220	350	320	420	4774	33.2%
Wahoo	30	80	10	50	10	0	80	240	270	380	410	150	1710	11.9%
Dorade	180	40	30	20	20	0	20	60	40	40	70	110	630	4.4%
Carangue	0	0	10	20	0	0	10	0	0	20	0	150	210	1.5%
Sharks	90	60	0	30	0	0	0	0	0	0	20	0	200	1.4%
Others	40	120	110	40	10	0	30	0	10	50	10	0	420	2.9%
Any Demersals	0	0	360	20	0	0	0	0	0	0	0	0	380	2.6%
TOTAL	2060	1450	810	680	340	34	910	1920	2120	1490	1570	990	14374	100.0%

EFFORT

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No. of boats in oper.	6	6	5	6	6	4	5	5	6	6	6	6	5.6	
No. of trips	27	24	10	11	8	9	29	31	15	23	24	17	228	
Total hours fishing	204	180	76	80	56	70	216	212	107	172	184	136	1693	
Total no. of lines out	108	96	40	44	32	36	116	124	60	92	96	68	912	
Total line hours	816	720	304	320	224	180	864	848	428	688	736	544	6672	

DAILY EFFORT

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Mean no. of lines out	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	
Mean no. of hours out	7.6	7.5	7.6	7.3	7.0	7.8	7.5	6.8	7.1	7.5	7.7	8.0	7.4	

CATCH RATES

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Kg/(boat x day)	75.4	60.3	82.3	61.3	42.6	21.5	31.2	61.6	141.1	64.6	65.7	57.8	65.3	
Kg/(line x hour)	2.5	2.0	2.7	2.1	1.5	1.1	1.1	2.3	4.9	2.2	2.1	1.8	2.2	

Denotes mean no. of boats

TABLE 4. TOTAL CATCH EXPORTED (C.I.F. VALUE) IN 1987

DESTINATION	FRESH		FROZEN	
	TONNES	SR '000	TONNES	SR '000
REUNION	101.35	3268.00	262.49	4615.40
FRANCE	33.25	1050.50	108.18	1002.10
ENGLAND	77.55	1972.20	15.40	309.57
ITALY	10.32	257.37	0.37	8.31
AUSTRALIA	17.22	432.78	39.10	539.47
SINGAPORE	0.05	1.29	0.03	0.92
DENMARK	1.80	48.00		
MAURITIUS	0.20	3.71		
UNITED STATES	0.75	23.53		
WEST GERMANY	1.20	38.81		
BAHRAIN			0.29	7.10
SOUTH AFRICA			5.00	36.09
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TOTAL	243.69	7096.18	430.86	6518.96

SPECIES COMPOSITION

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SPECIES	FRESH		FROZEN	
	TONNES	%	TONNES	%
CARANGUES	2.55	1.05	2.00	0.46
MACQUEREAU DOUX		0.00		0.00
OTHER MACQUEREAU		0.00		0.00
BONITE		0.00		0.00
OTHER PELAGIC	13.31	5.46	90.49	21.00
BECUNE	0.82	0.34	3.00	0.70
CORDONIER	4.40	1.81	0.02	0.00
OTHER TRAP FISH	22.26	9.13	1.22	0.28
RED SNAPPER	70.47	28.92	156.50	36.32
VARA VARA	2.66	1.09		0.00
JOB	26.89	11.03	28.93	6.71
MACONDE	43.51	17.85	86.81	20.15
OTHER VIEILLE	29.52	12.11	19.67	4.57
CAPITAINE	21.55	8.84	16.44	3.82
SHARKS & RAYS		0.00	6.71	1.56
OCTOPUS	0.08	0.03	16.83	3.91
OTHERS	5.49	2.25	0.24	0.06
CRAB	0.18	0.07	2.00	0.46
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	243.69	100.00	430.86	100.00

NOTES:

4.3 Tonnes of fish of non-commercial value has not been included

TABLE 5A. MONTHLY TOTAL CATCH & EFFORT BY BOAT GEAR TYPE BY STRATUM. (Units: MT)

M A H E 1 9 8 7

BOAT TYPE GEAR	PIROGUE							OUTBOARD							WHALER		FOOT		TOTAL
	LHP	FIXS	FIXA	LHP FIX	GNC	GNS	BS	LHP	FIXS	FIXA	LHP FIX	GNC	GNS	BS	LHP	FIXS	HAR	FIXS	
SPECIES CODE																			
01 C.BALO	0	0	0	0	0		0	236.0	0		15.5	0	0		601.1	0.1	0	0	852.7
02 O.CARANX	0.7	0	0	1.6	0		1.5	67.7	0.1		4.0	0	1.6		201.6	0.1	0	0	278.9
03 M.DOUX	0	0	0	0	1.0		6.5	0.2	0		0	66.0	0		0	0	0	0	73.7
04 O.MAQUER	0	0	0	0	3.5		0.6	0.4	0.2		1.0	23.8	0.3		0	0.4	0	0	30.2
05 BONITE	0.1	0	0	0	0		0.1	144.3	0		6.5	0	0		111.1	0	0	0	262.1
06 O.PELAGIC	0.4	0.1	0	0	0		0	32.6	0		1.7	0	0		33.0	0	0	0	67.8
07 BECUNE	0	0	0	0	0		0	15.6	0.3		0.1	0	0.1		67.1	0.9	0	0	84.1
08 CORDONIER	0	10.0	1.1	23.1	0		2.6	0	45.3		32.9	0	0		0.2	8.5	0	3.6	127.3
09 O.TRAP	1.3	15.9	0	15.1	0		0.1	0.4	67.0		46.1	0	0		1.1	10.5	0	1.9	159.4
10 R.SNAPPER	0.1	0	0	0	0		0	9.9	0.7		2.2	0	0		192.2	1.0	0	0.1	206.2
11 VARA VARA	0	0	0	0	0		0	0.2	0		0	0	0		46.1	0	0	0	46.3
12 JOB	0.3	0	0	0.3	0		0	17.0	0		3.5	0	0		187.8	0.1	0	0	209.0
13 MACONDE	0	0	0	0.1	0		0	9.3	0.1		3.4	0	0		31.5	0.2	0	0	44.6
14 O.VIEILLE	0.1	0.1	0	0.2	0		0	5.4	0.1		1.5	0	0		30.9	0.2	0	0	38.5
15 CAPITAINE	3.6	1.7	0	3.4	0		0	29.4	11.8		13.5	0	0.5		104.6	4.2	0.2	0	173.0
16 SHARK&RAY	1.2	0	0	0	0		0.5	7.8	0.5		1.0	0.3	13.1		5.0	0	0.5	0	29.9
17 OCTOPUS	0	0.5	0	3.9	0		0.1	2.4	2.3		4.0	0	0		0.2	0.1	11.4	0.8	25.7
18 OTHERS	0.5	0.1	0	0	0		9.5	2.4	2.1		0.7	0.9	0.3		41.8	0.6	0.2	0	59.1
TOTAL CATCH	8.4	28.4	1.1	47.7	4.5	0.0	21.5	581.0	130.5	0.0	137.6	91.0	15.9	0.0	1655.3	26.9	12.3	6.4	2768.5

EFFORT

MEAN BOATS	8.5	21.8	0.8	26.8	0.9		4.2	59.4	22.4	25.6	9.2	4.1		45.7	3.3	17.2	16.2	266.1
T.HOURS OUT	3057	5085	275	11530	70		295	36850	10975	12445	3980	690		9090	* 1953	3625	2255	
TOTAL MEN	983	4265	85	5060	130		1445	14530	6160	6493	2835	525		27940	1203	1235	1535	74424
T.MAN HOURS	5315	7540	340	17575	400		1845	100295	20920	33625	14155	2200		48715	* 6651	3630	2280	
TOTAL TRAPS		13355	315	19485					30780	22965					6984		3480	97364
TOTAL SETS					44		315				1145	240						1744

* Denotes Total Days Out, Total Mandays

DAILY EFFORT

MEAN CREW	1.7	1.6	1.3	1.5	4.8		5.2	2.2	1.9	2.2	3.6	3.2		5.2	2.4	1.0	1.0
* HOURS OUT	5.6	1.9	2.3	3.2	3.0		1.3	6.8	3.6	5.0	5.0	3.3		1.6	* 5.4	3.0	1.4
* TRAPS SET		4.4	4.7	6.2					9.4	8.3					17.3		2.2
* SETS					1.2		1.3				1.3	1.2					

* Denotes Mean Days Out

CATCH RATES

KG/BOAT DAY	14.5	10.0	8.3	12.6	84.8		139.5	97.2	40.6	46.4	103.3	44.9		328.8	68.6	8.8	4.5
KG/MAN HOUR	1.7	3.7	3.4	2.6	6.6		17.2	6.5	6.1	4.2	6.2	4.4		43.5	* 5.7	2.9	3.9
KG/TRAP		2.3	1.8						4.3						3.9		2.3
KG/SET					73.7		115.8				75.8	39.7					
KG/MAN DAY	8.6			7.4				44.3		19.9				64.4			

* Denotes Catch per Manday

TABLE 5B.

MONTHLY TOTAL CATCH & EFFORT BY BOAT GEAR TYPE BY STRATUM. (Units: MT)

P R A S L I N / L A D I G U E 1 9 8 7

BOAT TYPE GEAR	PIROGUE							DU TBOARD							WHALER			FOOT		TOTAL
	LHP	FIXS	FIXA	LHP- FIX	GNC	GNS	BS	LHP	FIXS	FIXA	LHP FIX	GNC	GNS	BS	LHP	FIXS	HAR	FIXS		
SPECIES CODE																				
01 C.BALO	5	0	0	0.4	0			25.4	0	0	4.7	0	0		16.8	0	0	0	52.3	
02 D.CARANX	5.0	0	0	0.5	1.4			9.4	0	0	0.6	0	0.5		13.4	0	0	0	30.8	
03 M.DOUX	0	0	0	0	5.4			0	0	0	0	15.4	0		0	0	0	0	20.8	
04 D.MAQUER	0	0	0	0	1.6			0	0	0	0.1	31.4	0		0	0	0	0	33.1	
05 BONITE	2.7	0.3	0	0	0			8	0	0	0.3	0	0		7.6	0.2	0	0	19.1	
06 D.PELABIC	0	0	0	0	0			4.9	0	0	0.3	0	0		3.3	0	0	0	8.5	
07 BECUNE	2.1	0	0	0	0			2.4	0	0	0.2	0	0		4.1	0	0	0	8.8	
08 CORDONIER	0	9.1	19.7	7.6	0			0	11.1	18.1	5.7	0	0		0	4.3	0	1.1	76.7	
09 D.TRAP	0.8	17.7	2.3	4.8	0			0.1	22.1	4.7	10.3	0	0		0.1	11.1	0	0.8	74.8	
10 R.SNAPPER	3.7	0.4	0	0	0			6.2	0.7	0	5.9	0	0		28.2	0.23	0	0	45.3	
11 VARA VARA	0	0	0	0	0			0.5	0	0	0	0	0		4.5	0	0	0	5.0	
12 JOB	1.7	0	0	0.4	0			10.9	0.3	0	1.7	0	0		9.5	0.01	0	0	24.5	
13 MACONDE	3.3	0.1	0	0.3	0			4.6	0.4	0	2.4	0	0		14.9	0	0	0	26.0	
14 D.VIEILLE	1.2	0.5	0	0	0			1.9	0.1	0	0.9	0	0		9.7	0.4	0	0	14.7	
15 CAPITAINE	6.9	0.9	1.0	1.9	0			13.9	1.8	0.9	6.0	0	0		12.6	0.9	0	0	46.8	
16 SHARK&RAY	0	0	0	0	0.2			0.7	0	0	0.2	0.15	4.5		0.1	0	1.1	0	7.0	
17 OCTOPUS	0.1	0.1	0.5	0.7	0			0.3	0.1	0.2	0.5	0	0		0	0	29.3	0	31.8	
18 OTHERS	0.4	0	0	0.2	1.0			0.6	0.1	0	0.3	0	1.2		0.2	0.1	0	0	4.1	
TOTAL CATCH	32.8	29.1	23.5	16.8	9.6	0.0	0.0	89.8	36.7	23.9	40.1	47.0	6.2	0.0	125.0	17.2	30.4	1.9	530.1	

EFFORT

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MEAN BOATS	23.0	17.8	10.8	160.5	1.4			16.0	8.5	6.3	7.8	5.2	1.2		9.6	1.2	13.5	4.0	286.6
T.HOURS OUT	6622	4300	5355	4370	185			13195	5010	2870	4040	2260	230		1380 *	855	8725	330	
TOTAL MEN	1946	2210	2205	2121	635			4325	2180	1320	1585	1940	240		2780	670	2210	360	26727
T.MAN HOURS	12404	6380	6435	6846	890			28510	8350	4965	8625	8765	675		4710 *	3550	8905	330	
TOTAL TRAPS		6840	5535	8146					8140	3415	4646					2410		625	39757
TOTAL SETS					186							580	81						847

* Denotes Total Days Out, Total Mandays

DAILY EFFORT

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MEAN CREW	1.7	1.4	1.3	1.9	6.0			2.1	1.8	1.7	2.1	3.6	2.6		3.1	3.9	1.0	1.0	
* HOURS OUT	6.3	3.0	4.3	5.6	0.5			6.7	3.6	4.4	6.4	4.1	2.0		2.0 *	5.0	4.0	1.1	
* TRAPS SET		4.8	4.4	3.5					5.7	5.3	5.1					13.9		1.7	
* SETS					2.0							1.1	1.0						

* Denotes Mean Days Out

CATCH RATES

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KG/BOAT DAY	30.3	21.1	18.9	26.9	16.9			45.0	27.3	32.7	62.1	116.5	31.4		187.5	105.4	14.2	5.1	
KG/MAN HOUR	2.5	4.6	3.7	2.5	5.6			3.2	4.4	4.4	4.8	8.7	6.0		30.5 *	4.6	3.4	6.9	
KG/TRAP		4.1	4.3						4.9	6.0						7.3		3.3	
KG/SET					8.5							106.1	31.4						
KG/MAN DAY	17.1			14.2				21.4			29.3				59.5				

* Denotes Catch per Manday

TABLE 5C.

MONTHLY TOTAL CATCH & EFFORT BY BOAT GEAR TYPE BY STRATUM. (Units: MT)

MAHE / PRASLIN / LA DIQUE 1987

BOAT TYPE BEAR	PIROGUE							DU TBOARD							WHALER		FOOT		TOTAL
	LHP	FIXS	FIXA	LHP FIX	GNC	GNS	BS	LHP	FIXS	FIXA	LHP FIX	GNC	GNS	BS	LHP	FIXS	HAR	FIXS	
SPECIES CODE																			
01 C.BALD	5	0	0	0.4	0		0	261.4	0	0	20.2	0	0		617.9	0.1	0	0	905.0
02 D.CARANX	5.7	0	0	2.1	1.4		1.5	77.1	0.1	0	4.6	0	2.1		215	0.1	0	0	309.7
03 M.DOUX	0	0	0	0	6.4		6.5	0.2	0	0	0	81.4	0		0	0	0	0	94.5
04 D.MAQUER	0	0	0	0	5.1		0.6	0.4	0.2	0	1.1	55.2	0.3		0	0.4	0	0	63.3
05 BONITE	2.8	0.3	0	0	0		0.1	152.3	0	0	6.8	0	0		118.7	0.2	0	0	281.2
06 D.PELAGIC	0.4	0.1	0	0	0		0	37.5	0	0	2	0	0		36.3	0	0	0	76.3
07 BECUNE	2.1	0	0	0	0		0	18	0.3	0	0.3	0	0.1		71.2	0.9	0	0	92.9
08 CORDONIER	0	19.1	20.83	30.7	0		2.6	0	56.4	18.1	38.6	0	0		0.2	12.8	0	4.7	204.0
09 D.TRAP	2.14	33.6	2.3	19.9	0		0.1	0.5	89.1	4.7	56.4	0	0		1.2	21.6	0	2.7	234.3
10 R.SNAPPER	3.8	0.4	0	0	0		0	16.1	1.4	0	8.1	0	0		220.4	1.23	0	0.1	251.5
11 VARA VARA	0	0	0	0	0		0	0.7	0	0	0	0	0		50.6	0	0	0	51.3
12 JOB	2	0	0	0.7	0		0	27.9	0.3	0	5.2	0	0		197.3	0.11	0	0	233.5
13 MACONDE	3.3	0.1	0	0.4	0		0	13.9	0.5	0	5.75	0	0		46.4	0.2	0	0	70.6
14 D.VIEILLE	1.3	0.6	0	0.2	0		0	7.3	0.2	0	2.4	0	0		40.6	0.6	0	0	53.2
15 CAPITAINE	10.5	2.6	1.0	5.3	0		0	43.3	13.6	0.9	19.5	0	0.5		117.2	5.1	0.2	0	219.7
16 SHARK&RAY	1.2	0	0	0	0.2		0.5	8.5	0.5	0	1.17	0.45	17.6		5.1	0	1.6	0	36.8
17 OCTOPUS	0.1	0.6	0.5	4.6	0		0.1	2.7	2.4	0.2	4.5	0	0		0.2	0.1	40.7	0.8	57.5
18 OTHERS	0.9	0.1	0	0.2	1.0		9.5	3	2.2	0	1	0.9	1.5		42	0.7	0.2	0	63.2
TOTAL CATCH	41.2	57.5	24.6	64.5	14.1	0.0	21.5	670.8	167.2	23.9	177.7	138.0	22.1	0.0	1780.3	44.1	42.7	8.3	3298.6

EFFORT

MEAN BOATS	31.4	39.7	11.6	187.2	2.3		4.2	75.4	30.9	6.3	33.4	14.4	5.3		55.3	4.4	30.7	20.2	552.8
T.HOURS OUT	9679	9385	5630	15900	255		295	50045	15985	2870	16485	6240	920		10470 *	2808	12350	2585	
TOTAL MEN	2929	6475	2290	7181	765		1445	18835	8340	1320	8078	4775	765		30720	1873	3445	1895	101151
T.MAN HOURS	17719	13920	6775	24421	1290		1845	128805	29270	4565	42250	22920	2875		53425 *	10201	12535	2610	
TOTAL TRAPS		20195	5850	27631					38920	3415	27611					9394		4105	137121
TOTAL SETS					230		315					1725	321						2591

* Denotes Total Days Out, Total Mandays

DAILY EFFORT

MEAN CREW	1.7	1.5	1.3	1.8	5.5		5.2	2.2	1.8	1.7	2.2	3.6	3.1		4.9	2.8	1.0	1.0	
* HOURS OUT	6.1	2.4	4.2	5.3	1.5		1.3	6.8	3.6	4.4	5.3	4.7	3.0		1.7 *	5.3	3.5	1.4	
* TRAPS SET		4.6	4.4	3.9					8.4	5.3	7.5					16.4		2.1	
* SETS					1.7		1.3					1.2	1.2						

* Denotes Mean Days Out

CATCH RATES

KG/BOAT DAY	26.0	15.0	18.1	24.9	43.8		139.5	86.1	37.0	32.7	50.0	108.1	41.9		304.2	78.3	11.2	4.6	
KG/MAN HOUR	2.3	4.1	3.7	2.5	6.0		17.2	5.8	5.6	4.4	4.4	7.1	4.8		41.2 *	5.4	3.1	4.5	
KG/TRAP		3.1	4.1						4.5	6.0						4.8		2.5	
KG/SET					34.3		115.8					86.7	37.9						
KG/MAN DAY	14.8			13.2				39.4			22.1				63.6				

* Denotes Catch per Manday

TABLE 6. Monthly Catch, Effort and Catch Rates Per Boat Per Gear
For Mahe, Praslin/La Digue For 1987

Table 6a.	PIROGUE HANDLINE												
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	TOTAL
Pir Lhp													
Total Catch (t)	2.9	2.5	9.2	7.1	1.9	0.7	1.4	1.4	0.4	5.2	3.2	5.5	41.4
Effort (mendsays x 1000)	0.4	0.3	0.3	0.4	0.1	0.2	0.2	0.3	0.1	0.3	0.1	0.3	3.0
Mean Catch Rate Kg/Boat Day	12.9	14.0	34.0	35.6	28.7	8.2	12.6	11.7	9.7	39.0	-	46.0	24.4

Table 6b.	PIROGUE STATIC TRAPS												
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	TOTAL
Pir Fixs													
Total Catch (t)	3.6	4.8	3.3	4.9	3.9	3.2	5.2	2.3	5.6	7.7	7.0	5.8	57.3
Effort (no.traps set x 1000)	1.4	1.6	1.4	1.6	1.3	1.6	1.9	1.3	2.0	2.4	1.7	1.9	20.1
Mean Catch Rate Kg/Trap	2.8	2.8	2.3	2.8	3.0	2.2	2.6	2.3	3.1	3.6	4.5	3.3	3.0

Table 6c.	PIROGUE ACTIVE TRAPS												
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	TOTAL
Pir Fixa													
Total Catch (t)	5.2	2.6	6.1	3.0	1.4	-	0.8	0.5	0.6	2.2	1.5	0.5	24.4
Effort (no.traps set x 1000)	1.3	0.7	0.8	0.8	0.5	-	0.2	0.1	0.4	0.4	0.4	0.2	5.8
Mean Catch Rate Kg/Trap	4.5	4.0	7.8	4.1	3.9	-	3.4	3.5	1.4	5.0	4.0	2.4	4.4

Table 6d.	PIROGUE HANDLINE AND TRAPS												
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	TOTAL
Pir Lhp Fix													
Total Catch (t)	10.5	6.5	6.8	7.0	6.2	3.0	3.5	3.4	3.9	2.9	6.7	4.1	64.5
Effort (mendsays x 1000)	1.0	2.5	0.8	0.8	0.5	0.4	0.3	0.6	0.6	0.4	0.8	0.4	9.1
Mean Catch Rate Kg/Boat Day	16.4	9.4	23.6	14.6	16.0	14.4	14.8	7.2	9.6	11.0	7.6	19.7	12.9
Effort (no.traps x 1000)	1.6	4.2	4.8	2.8	1.8	1.0	1.2	2.4	2.5	1.4	3.4	1.5	28.6

Table 6e.	PIROGUE ENCIRCLING GILLNET												
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	TOTAL
Pir Bnc													
Total Catch (t)	6.6	1.1	0.7	1.1	3.4	0.0	0.7	0.5	-	-	-	-	14.1
Effort no.sets	14.0	30.0	10.0	20.0	17.0	0.0	80.0	50.0	-	-	-	-	221.0
Mean Catch Rate Kg/Set	-	28.0	82.0	55.0	203.0	0.0	9.0	-	-	-	-	-	44.1

Table 6f.

PIROBUE BEACH SEINE

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	TOTAL
Pir Bs													
Total Catch (t)	0.7	1.8	0.3	0.3	0.4	0.1	4.7	2.7	0.8	0.4	2.4	6.8	21.4
Effort no.hauls	10.0	36.0	29.0	18.0	12.0	5.0	7.0	44.0	32.0	22.0	56.0	62.0	333.0
Mean Catch Rate Kg/Haul	51.0	40.0	11.0	18.0	30.0	13.0	700.0	70.0	25.0	18.0	48.0	295.0	99.6

Table 6g.

OUTBOARD HANDLINE

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	TOTAL
Ob Lhp													
Total Catch (t)	40.4	76.6	85.7	89.3	58.9	43.6	39.7	28.8	50.5	42.3	61.6	52.3	669.7
Effort (mendsays x 1000)	1.4	1.6	1.8	1.4	1.3	1.4	2.4	2.0	2.4	1.8	0.6	1.4	19.5
Mean Catch Rate Kg/Boat Day	68.0	123.0	138.0	122.0	113.0	73.0	38.0	33.0	54.0	55.0	49.0	132.0	80.0

Table 6h.

OUTBOARD STATIC TRAPS

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	TOTAL
Ob Fixa													
Total Catch (t)	14.5	14.4	14.3	14.3	10.8	9.4	15.0	9.0	10.5	15.6	18.7	20.2	166.7
Effort (no.traps x 1000)	3.2	2.9	3.5	3.4	2.6	2.3	3.7	2.9	3.0	3.5	3.8	4.1	38.9
Mean Catch Rate Kg/Trap	4.8	4.9	4.2	4.2	4.0	4.1	4.3	3.6	3.8	4.6	5.6	4.9	4.5

Table 6i.

OUTBOARD ACTIVE TRAPS

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	TOTAL
Ob Fixa													
Total Catch (t)	0.9	0.1	1.0	0.8	1.0	-	0.3	0.3	0.3	9.3	6.2	3.7	23.9
Effort (no.traps x 1000)	0.2	0.02	0.2	0.2	0.2	-	0.1	0.1	0.1	1.2	0.6	0.6	3.5
Mean Catch Rate Kg/Trap	4.0	2.7	4.3	-	-	-	2.7	-	-	8.2	9.9	6.6	7.5

Table 6j.

OUTBOARD HANDLINE AND TRAPS

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	TOTAL
Ob Lhp Fix													
Total Catch (t)	10.4	20.7	17.0	29.1	23.8	8.0	16.8	7.9	8.1	9.8	15.1	9.9	176.6
Effort (mendsays x 1000)	0.7	1.1	0.8	1.0	0.9	0.5	0.9	0.5	0.7	0.6	0.6	0.6	8.9
Mean Catch Rate Kg/Boat Day	34.0	45.0	51.0	72.0	60.0	42.0	39.0	44.0	34.0	40.0	51.0	42.8	47.4
Effort (no.traps x 1000)	2.7	4.9	3.3	3.9	3.1	1.5	2.3	1.6	1.9	2.0	2.0	1.7	30.9

Table 6k. OUTBOARD ENCIRCLING GILLNET		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	TOTAL
Ob Enc														
Total Catch (t)		5.4	10.7	14.5	8.3	1.9	0.5	9.5	1.0	5.9	9.7	20.7	49.7	137.8
Effort (no.sets x 1000)		0.1	0.2	0.3	0.1	0.1	0.0	0.1	0.1	0.1	0.1	0.2	0.3	1.7
Mean Catch Rate Kg/Sets		77.0	66.0	58.0	65.0	40.0	22.0	66.0	10.0	85.0	108.0	152.0	175.0	93.6

Table 6l. OUTBOARD SET GILLNET		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	TOTAL
Ob Gns														
Total Catch (t)		1.1	4.4	-	-	2.1	0.3	2.2	0.6	2.8	2.6	4.1	1.5	21.7
Effort no.sets		60.0	60.0	-	-	45.0	12.0	40.0	27.0	20.0	14.0	20.0	14.0	312.0
Mean Catch Rate Kg/Sets		41.0	42.0	-	-	45.0	20.0	55.0	29.0	90.0	-	-	0.0	43.3

Table 6m. WHALER HANDLINE		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	TOTAL
Ib Lhp														
Total Catch (t)		153.0	195.0	144.0	160.0	168.0	199.0	147.0	59.0	89.0	198.0	97.0	166.0	1775.0
Effort (mendsays x 1000)		5.4	4.4	3.6	5.6	4.6	3.3	3.9	4.2	3.2	4.2	2.2	1.8	46.4
Mean Catch Rate Kg/Boat Trip		291.0	332.0	358.0	417.0	409.0	518.0	220.0	127.0	245.0	280.0	208.0	478.0	321.5

Table 6n. WHALER TRAPS		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	TOTAL
Ib Fixs														
Total Catch (t)		1.8	4.9	2.5	1.8	1.0	4.5	5.6	3.4	7.1	4.2	2.6	3.0	42.4
Effort (no.traps x 1000)		0.4	1.0	0.6	0.5	0.3	0.8	1.3	1.0	1.3	1.1	0.5	0.6	9.4
Mean Catch Rate Kg/Trap		3.5	4.9	5.3	4.0	4.0	3.7	4.5	3.4	5.6	4.9	5.8	5.1	4.7

Table 6o. ON FOOT HARPOON		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	TOTAL
Foot Har														
Total Catch (t)		3.1	4.2	4.6	9.1	4.2	0.4	2.4	1.6	2.9	7.1	2.4	0.8	42.8
Effort (mendsays x 1000)		0.3	0.4	0.4	0.5	0.3	0.1	0.1	0.2	0.3	0.5	0.2	0.1	3.4
Mean Catch Rate Kg/Man Day		11.4	9.8	10.1	18.5	16.3	6.7	5.1	10.3	9.7	14.6	11.5	11.7	12.5

Table 6p. ON FOOT TRAPS

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	TOTAL
Foot Fixs													
Total Catch (t)	0.7	1.2	1.1	0.6	0.5	0.3	0.6	0.4	0.7	1.1	0.8	0.4	8.4
Effort (no.traps x 1000)	0.2	0.6	0.3	0.3	0.2	0.1	0.3	0.3	0.3	0.4	0.5	0.3	3.8
Mean Catch Rate (Kg/Trap)	3.2	1.9	1.6	1.8	2.3	4.0	2.1	1.9	2.6	2.4	1.3	1.6	2.1

Table 6q. SCHOONER HANDLINE

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	TOTAL
Schooner													
Total Catch (t)	53.6	71.7	66.1	56.5	68.6	32.0	50.6	33.6	39.2	53.0	54.6	60.6	640.1
Effort (mendsays x 1000)	1.2	1.6	1.5	1.3	1.5	1.1	1.4	0.9	1.3	1.4	1.5	1.5	16.2
Mean Catch Rate (Kg/Man Day)	60.0	47.0	47.0	46.0	48.0	30.0	38.0	36.0	32.0	44.0	37.0	43.0	42.7

Table 6r. SPORT TROLLING

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	TOTAL
Sport													
Total Catch (t)	2.0	1.4	0.8	0.7	0.3	0.2	0.9	1.9	2.1	1.5	1.6	1.0	14.4
Effort (linehours x 1000)	0.8	0.7	0.3	0.3	0.2	0.2	0.9	0.8	0.4	0.7	0.7	0.5	6.5
Mean Catch Rate (Kg/line hour)	2.5	2.0	2.7	2.1	1.5	1.1	1.0	2.2	5.0	2.2	2.1	1.8	2.1

Table 7. Summary of effort per gear type

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	TOTAL
EFFORT													
Lhp (mendsays x 1000)	10.1	11.5	8.8	10.5	8.9	6.9	8.7	8.5	8.3	8.7	5.8	6.0	102.7
Trap (no. trap x 1000)	11.0	15.9	14.9	13.5	10.0	7.3	11.0	9.7	11.5	12.4	12.9	10.9	141.0
Net (no. net x 1000)	0.2	0.3	0.3	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.3	0.4	2.5

Table B. Effort Distribution By Boat Type In 1987

Handline (men*days)

X 1000	Mahe	Praslin/ La Digue	Total	%
Pirogues	6.0	4.0	10.0	14.1
Outboards	21.0	5.9	26.9	37.9
Whalers	27.9	2.8	30.7	43.2
Schooners	3.4		3.4	4.8
TOTAL	58.3	12.7	71.0	100.0

Trap (no.of traps)

X 1000	Mahe	Praslin/ La Digue	Total	%
Pirogues	33.1	20.5	53.6	39.1
Outboards	53.8	16.2	70.0	51.1
Whalers	7.0	2.4	9.4	6.9
On Foot	3.5	0.6	4.1	3.0
TOTAL	97.4	39.7	137.1	100.0

Net (no.of sets or hauls)

X 1000	Mahe	Praslin/ La Digue	Total	%
Pirogues	0.4	0.2	0.6	22.2
Outboards	1.4	0.7	2.1	77.8
TOTAL	1.8	0.9	2.7	100.0

TABLE 9. Purchases of Fish Per Species on Mahe from the S.M.B Fish Division (excluding Longliners catch). Units: Kg

JANUARY TO DECEMBER 1987

ISLAND: MAHE

SPECIES	VICTORIA	GLACIS	BELOMBRE	CASCADE	A. AUX PINS	A. LA MOUCHE	LA RETRAITE	ANSE ROYALE	TOTAL
CARANGUE	62874	393	4259	60	10931	20772		15490	114779
MAQUEREAU DOUX	6314								6314
OTHER MAQUEREAUX	784								784
BONITE	22745	601	4722		4489			45	32602
OTHER PELAGIC	27021	1136	4105	485	1868	4127	3	1312	40057
BECUNE	27726	142	625	119	5911	4969		6383	45875
CORDONIER	1071			56	451	1			1579
OTHER TRAP FISH	8558	6081	64	441	1390	615	4	122	17275
RED SNAPPERS	314097	122	376	730	7052	13045	24	2360	337806
VARA VARA	48723			55	279	192		858	50107
JOB	180426	35	793	1728	4051	9329	9	3224	199595
MACONDE	65411	2807	1965	2296	3841	6339	331	879	83869
OTHER VIEILLE	102094	1173	660	656	1519	2336	78	431	108947
CAPITAINE	89839	175	62	1116	887	1559	22	398	94058
SHARK AND RAYS	4208						10		4218
OCTOPUS	5627	2468	188	779	461			3	9526
OTHERS	415								415
CRAB	12239								12239
Total:	980172	15133	17819	8521	43130	63284	481	31505	1160045

ISLAND: PRASLIN / LA DIGUE

SPECIES	BAIE ST. ANNE	GRAND ANSE	TOTAL PRASLIN	LA DIGUE	TOTAL PRA./LA DIG.	TOTAL MAHE/ PRA./LA DIG.
CARANGUE	4290	914	5204	6827	12031	126810
MAQUEREAU DOUX	514	3	517		517	6831
OTHER MAQUEREAUX			0		0	784
BONITE	1431	810	2241	274	2515	35117
OTHER PELAGIC	3702	1860	5562	560	6122	46179
BECUNE	14105	1060	15165	1918	17083	62958
CORDONIER	20710	13765	34475	5113	39588	41167
OTHER TRAP FISH	22616	20646	43262	13481	56743	74018
RED SNAPPERS	41290	13693	54983	10196	65179	402985
VARA VARA	5022	733	5755	335	6090	56197
JOB	20930	2420	23350	4976	28326	227921
MACONDE	27202	17506	44708	7340	52048	135917
OTHER VIEILLE	20781	5139	25920	4330	30250	139197
CAPITAINE	19022	13043	32065	4270	36335	130393
SHARK AND RAYS	1755	505	2260	90	2350	6568
OCTOPUS	33153	6051	39204	4766	43970	53496
OTHERS	852	51	903	1	904	1319
CRAB			0		0	12239
Total:	237375	98199	335574	64477	400051	1560096

TABLE 10A.

TOTAL NO. OF FISHING BOATS (FULL-TIME AND PART-TIME)
PER BOAT GEAR TYPE FOR NAHE 1987

	JAN		FEB		MAR		APR		MAY		JUN		JUL		AUG		SEP		OCT		NOV		DEC		AVERAGE NO.
	FT	PT	FT	PT	FT	PT	FT	PT	FT	PT	FT	PT	FT	PT	FT	PT	FT	PT	FT	PT	FT	PT	FT	PT	OF BOATS
PLNP	8	4	9	2	9	2	11	2	9	3	6	4	4	8	4	9	4	7	2	8	1	5	3	10	11.2
PFIXB	17	5	20	4	19	4	19	4	16	4	26	4	27	2	19	4	19	3	28	4	15	4	14	5	23.8
PFIXA	1	0	1	0	1	0	1	0	1	0	0	0	0	0	0	0	0	1	0	1	0	1	0	1	0.8
PLNPFIX	36	0	35	0	32	0	31	0	29	0	21	0	23	0	22	3	25	0	15	1	25	2	23	0	26.9
PGNC	1	0	1	0	1	0	1	0	1	0	1	0	0	0	0	0	0	1	0	0	0	0	0	0	0.6
PGNB	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PGB	4	1	4	1	4	1	4	1	4	0	3	1	3	1	3	1	3	1	3	1	3	1	3	1	4.3
TOTAL NO. OF PIROGUE	77		77		73		74		67		66		68		65		64		63		57		60		67.6
OBLNP	58	15	58	16	58	15	53	16	51	17	47	18	47	18	49	17	50	21	46	21	41	22	45	23	68.5
OBFIXB	17	0	19	0	20	0	18	0	18	0	25	3	27	0	23	3	24	3	22	3	21	4	24	6	23.3
OBFIXA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
OBLNPFIX	28	4	29	3	29	3	31	3	28	3	21	0	29	2	23	1	19	2	17	5	21	3	16	3	26.9
OBNPC	10	1	9	0	9	0	9	0	11	0	12	0	5	2	7	2	8	2	8	2	6	2	9	4	9.8
OBNPB	7	0	6	0	6	0	5	0	4	0	3	1	3	1	3	0	3	0	2	0	3	1	3	0	4.3
TOTAL NO. OF OUTBOARD	140		140		140		135		132		130		134		128		132		126		124		133		132.8
IBLNP	45	0	42	0	43	0	42	0	43	0	45	0	47	0	46	0	42	1	48	0	52	0	50	0	45.5
IBFIX	2	0	4	0	4	0	4	0	3	0	4	0	5	0	4	0	6	0	2	0	2	0	3	0	3.6
TOTAL NO. OF INBOARD	47		46		47		46		46		49		52		50		49		50		54		53		49.1
Total Full-time and Part-time Total no. of Boats	234	30	237	26	235	25	229	26	218	27	214	31	220	34	203	40	203	42	193	46	190	45	193	53	249.5

TABLE 10B.

TOTAL NO. OF FISHING BOATS (FULL-TIME AND PART-TIME)
PER BOAT GEAR TYPE FOR PRASLIN / LA DIGUE 1987

	JAN		FEB		MAR		APR		MAY		JUN		JUL		AUG		SEP		OCT		NOV		DEC		AVERAGE NO. OF BOATS
	FT	PT	FT	PT	FT	PT	FT	PT	FT	PT	FT	PT	FT	PT	FT	PT	FT	PT	FT	PT	FT	PT	FT	PT	
PLHP	14	18	14	18	13	18	15	18	15	18	14	18	14	18	13	18	14	18	14	17	14	17	15	17	31.8
PFIXS	15	0	15	0	17	1	20	1	20	1	19	1	16	1	17	1	16	1	19	1	17	1	18	1	18.3
PFIXA	12	2	10	2	10	2	11	2	10	2	9	2	10	2	9	2	8	2	9	2	10	2	9	2	11.8
PLHPFIX	13	7	12	7	10	7	9	7	9	7	12	7	11	5	12	5	13	5	9	7	9	7	8	7	17.1
PBNC	2	1	2	0	2	0	2	0	1	0	1	0	1	1	1	0	1	0	1	0	1	0	1	0	1.5
PGNS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PBS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL NO. OF PIROGUE	84		80		80		85		83		83		79		78		78		79		78		78		80.4
OBLHP	11	6	14	7	14	7	9	8	13	7	14	8	14	8	17	7	13	7	12	8	10	6	9	6	19.6
OBFIXS	6	0	6	0	8	0	9	0	9	0	6	0	8	0	8	0	9	0	8	0	13	1	11	0	8.5
OBFIXA	8	0	5	0	5	0	4	0	5	0	4	0	6	0	5	0	5	0	11	0	8	0	10	0	6.3
OBLHPFIX	10	0	8	1	10	1	13	1	10	0	8	0	6	0	3	0	7	0	4	0	6	0	6	1	7.9
OBBNC	5	1	5	0	5	0	5	0	6	0	5	0	3	1	5	1	4	2	6	1	5	1	4	2	5.6
OBSNS	1	0	1	0	1	0	1	0	1	0	2	0	2	0	1	0	1	0	1	0	1	0	1	0	1.2
OBSB	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL NO. OF OUTBOARD	48		47		51		50		51		47		48		47		48		51		51		50		49.1
IBLHP	7	1	10	1	10	1	12	1	9	1	9	1	9	1	8	2	8	2	9	2	8	1	9	1	10.3
IBFIX	1	0	0	0	0	0	0	0	1	0	1	0	2	0	1	0	2	0	1	0	1	0	0	1	0.9
TOTAL NO. OF INBOARD	9		11		11		13		11		11		12		11		12		12		10		11		11.2
Total Full-time and Part-time	105	36	102	36	105	37	110	38	109	36	104	37	102	37	100	36	101	37	104	38	103	36	101	38	
Total no. of Boats	141		138		142		148		145		141		139		136		138		142		139		139		140.7

F I G U R E S

Fig. 1

Monthly catch per type of boat
on Mahe/Praslin/La Digue

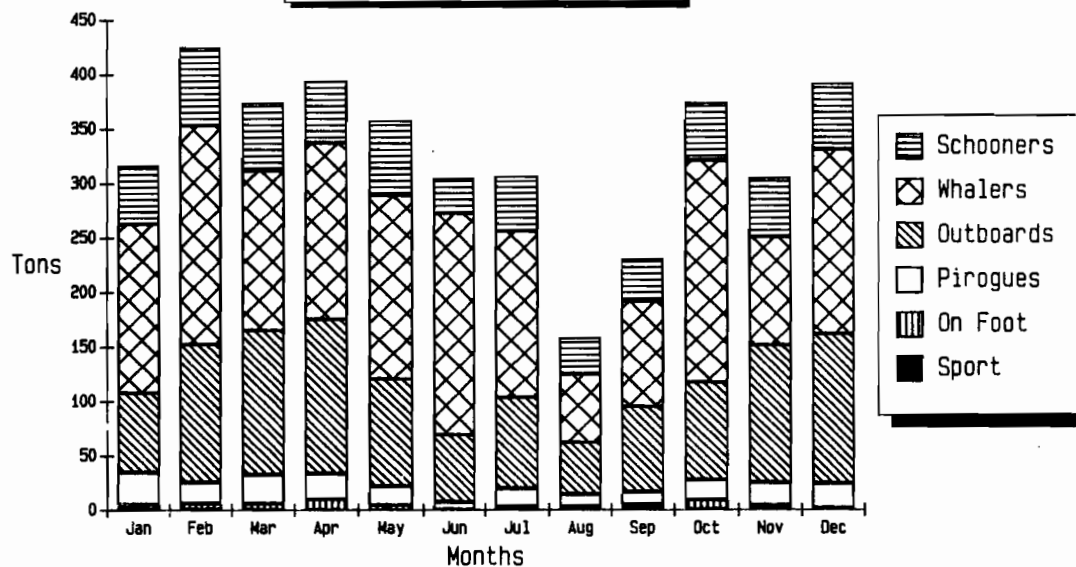
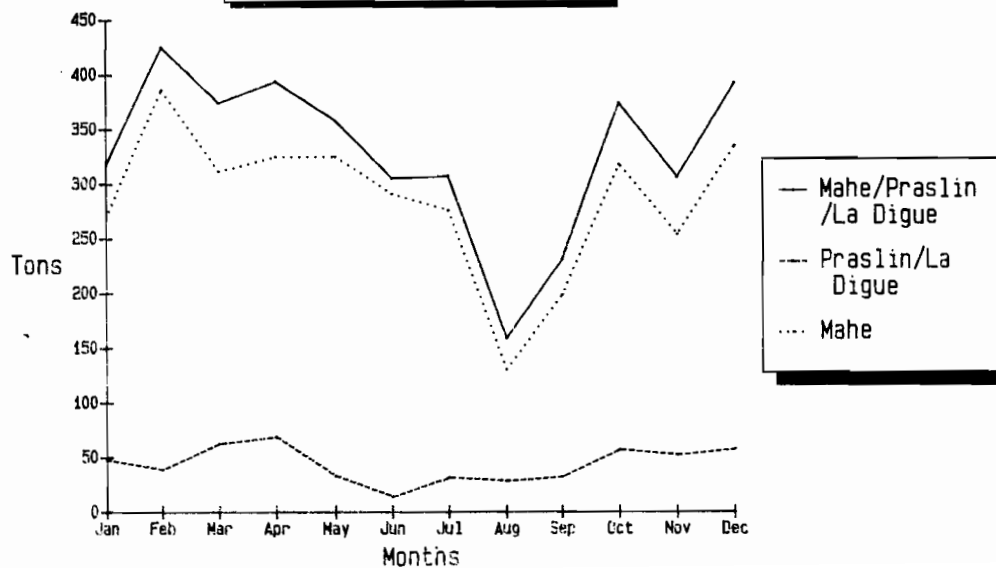


Fig. 2

Monthly total catch for Mahe/
Praslin/La Digue for 1987



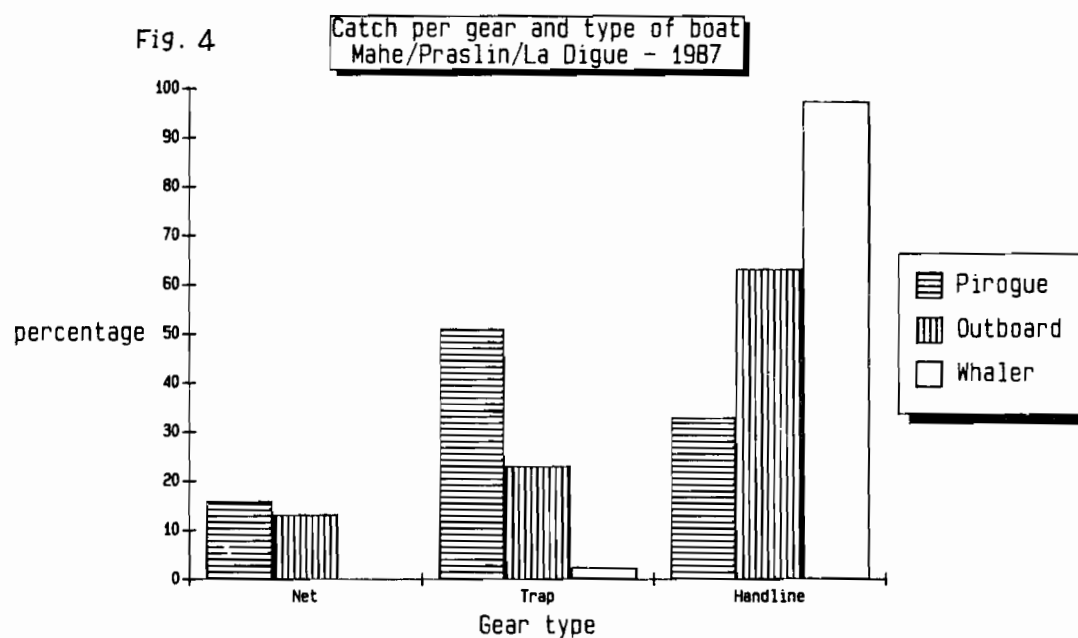
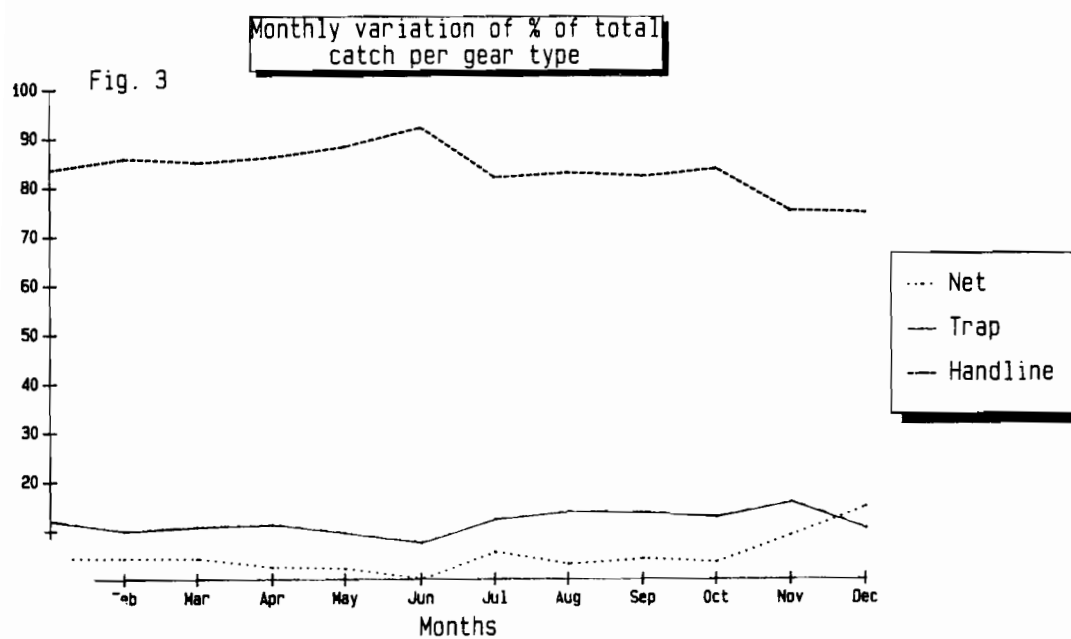


Fig. 5a

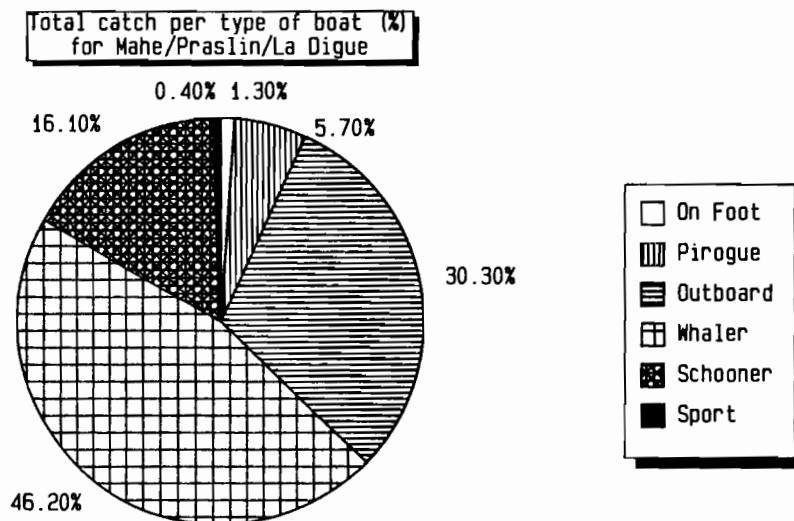


Fig. 5b

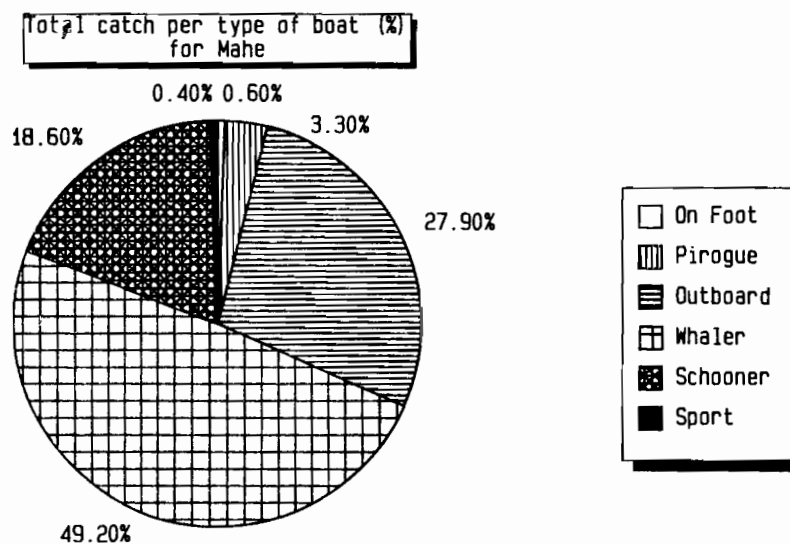


Fig. 5c

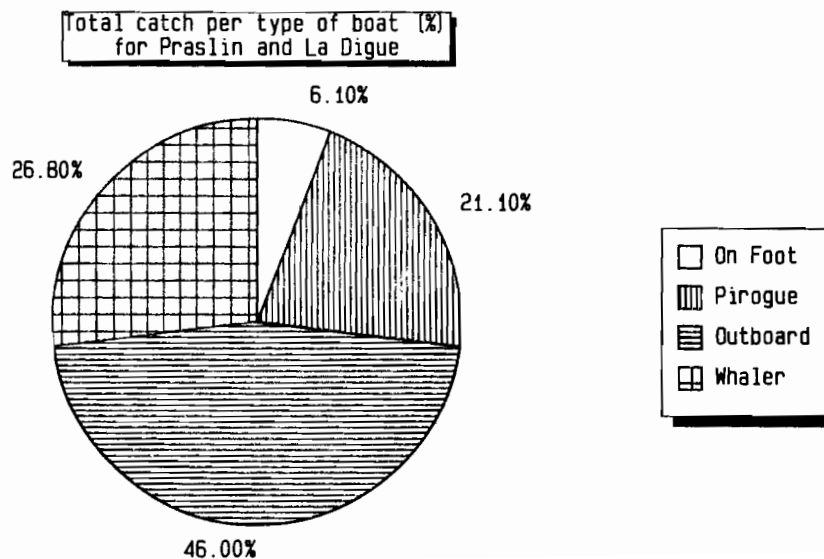


Fig. 6a

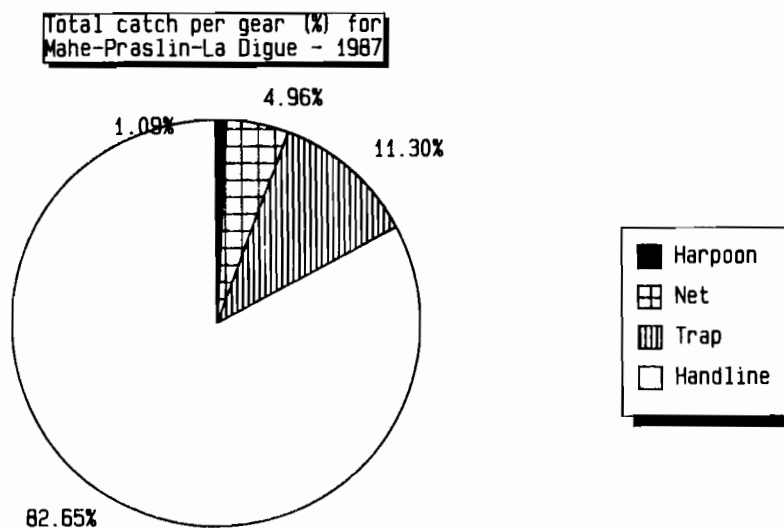


Fig. 6b

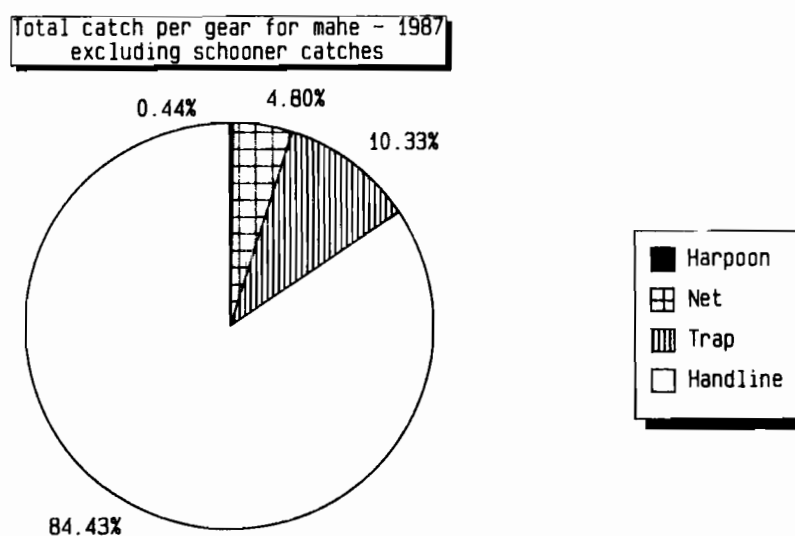


Fig. 6c

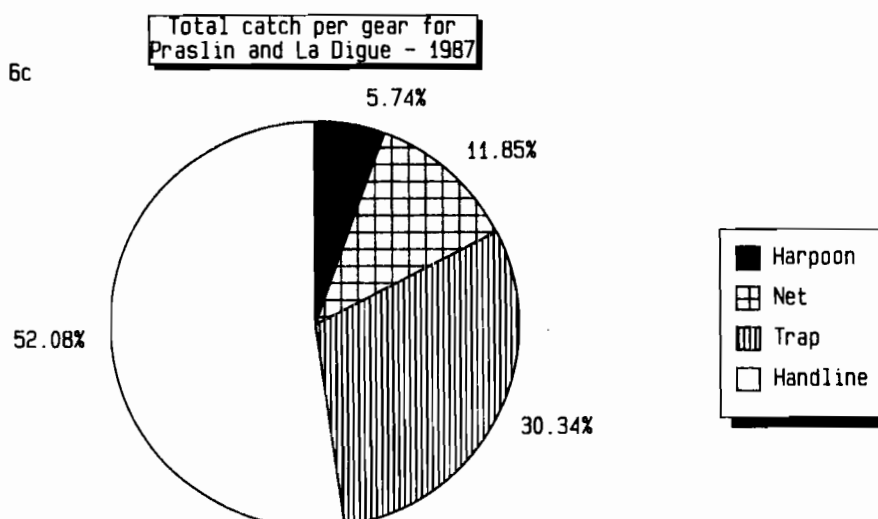


Fig. 7a

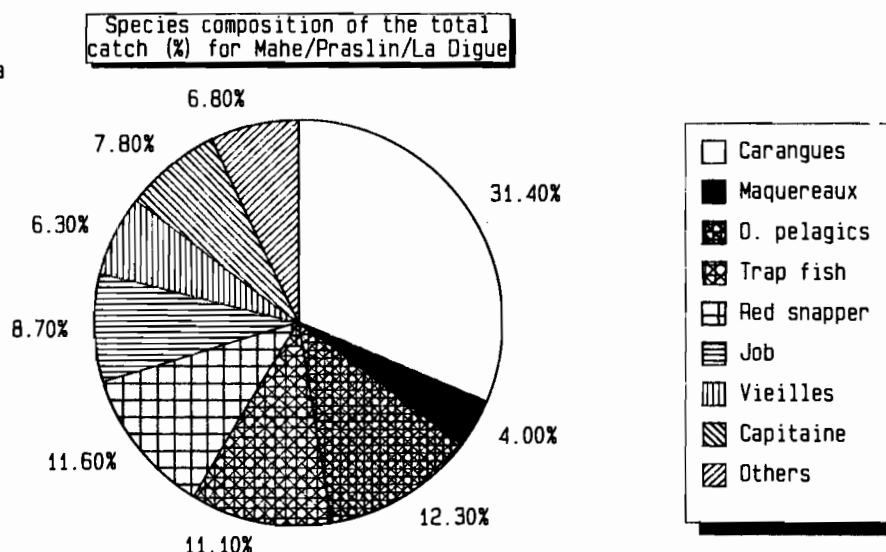


Fig. 7b

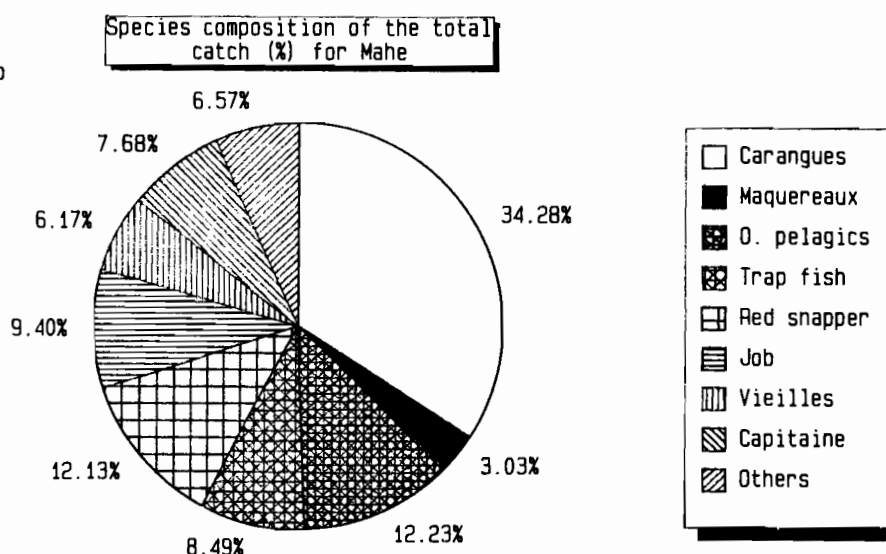


Fig. 7c

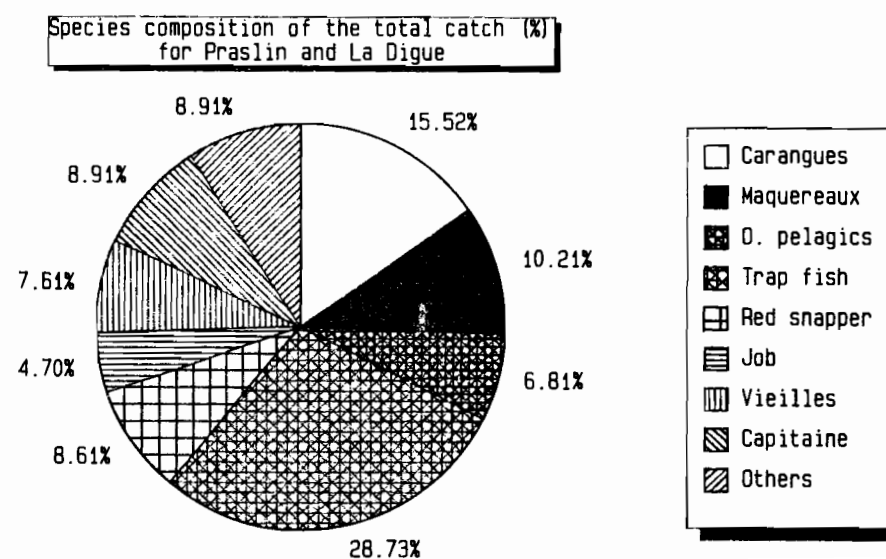


Fig. 8a

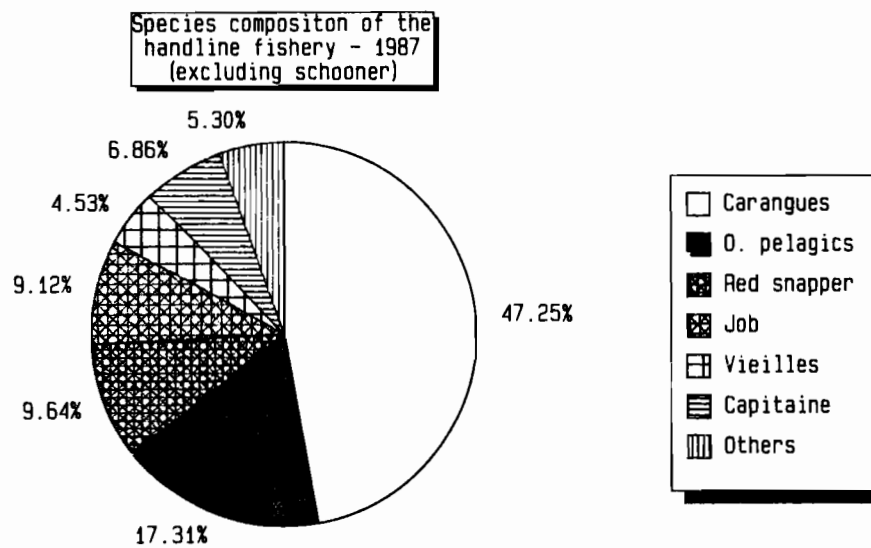
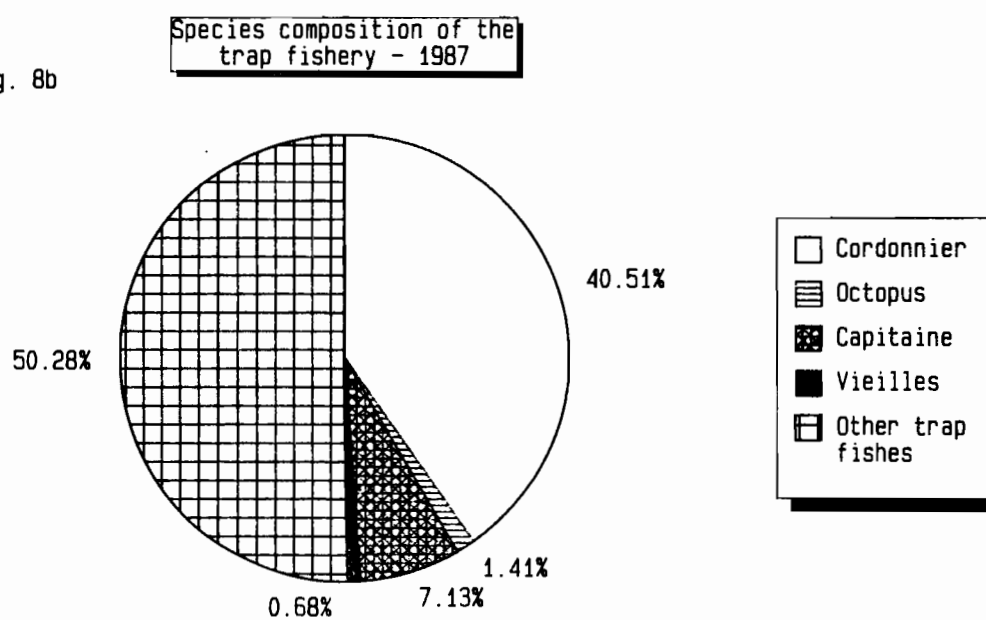
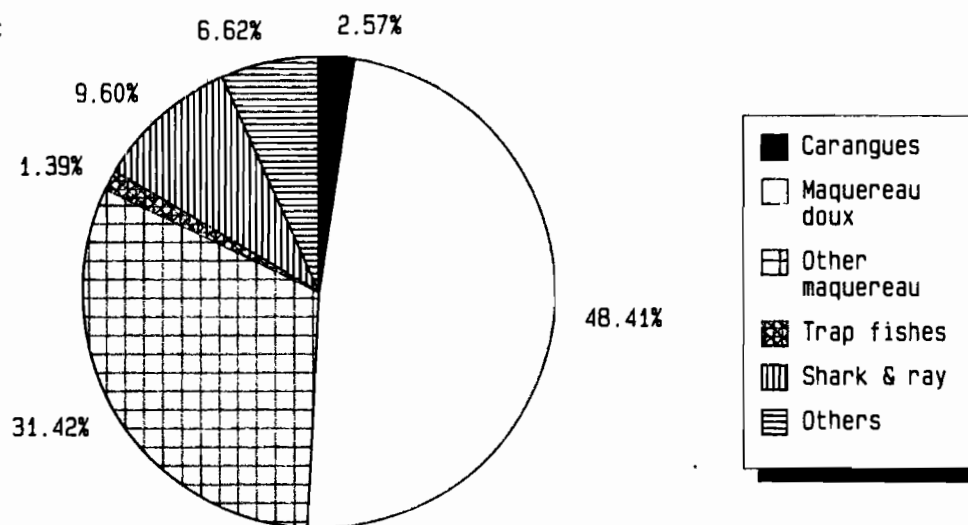


Fig. 8b



Species composition of the net fishery - 1987

Fig. 8c



Species composition of the schooner fishery - 1987

Fig. 8d

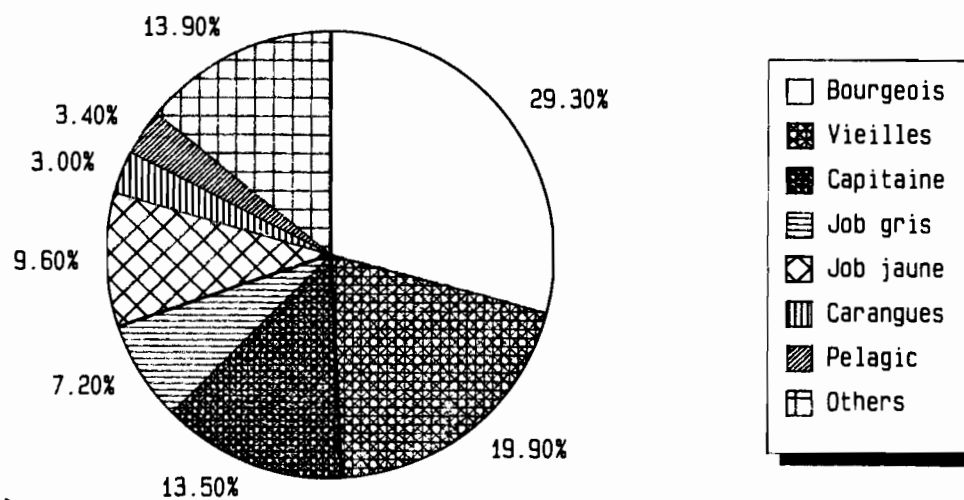


Fig. 8e

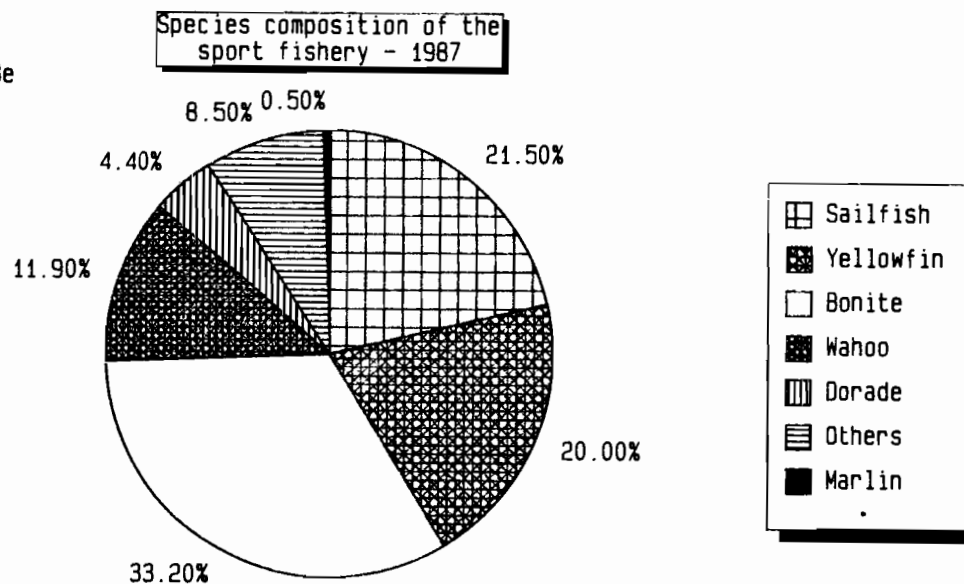


Fig. 9a

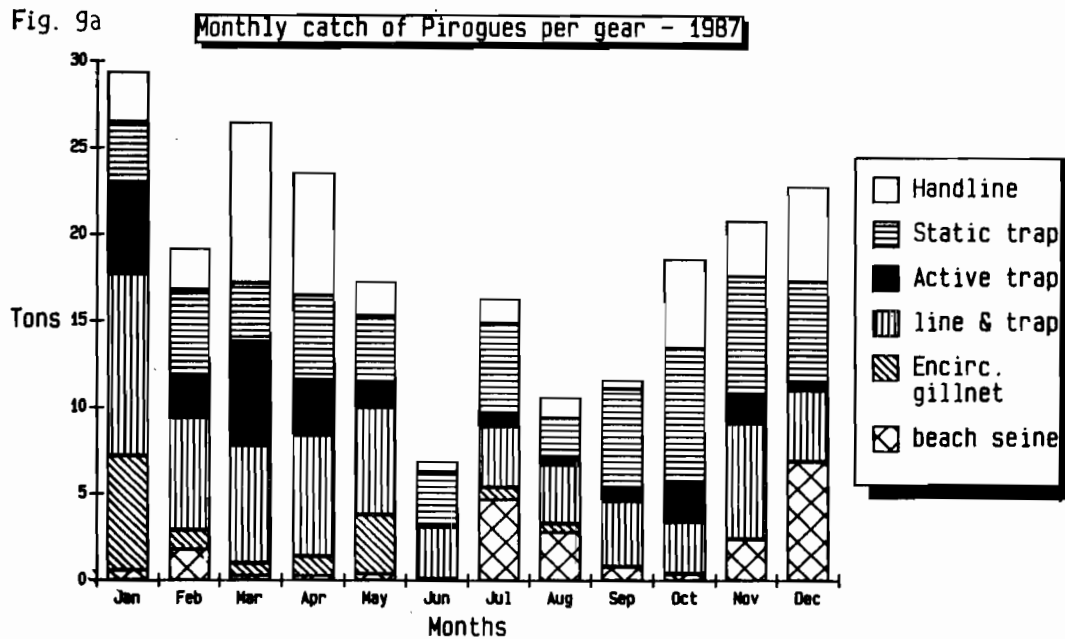


Fig. 9b

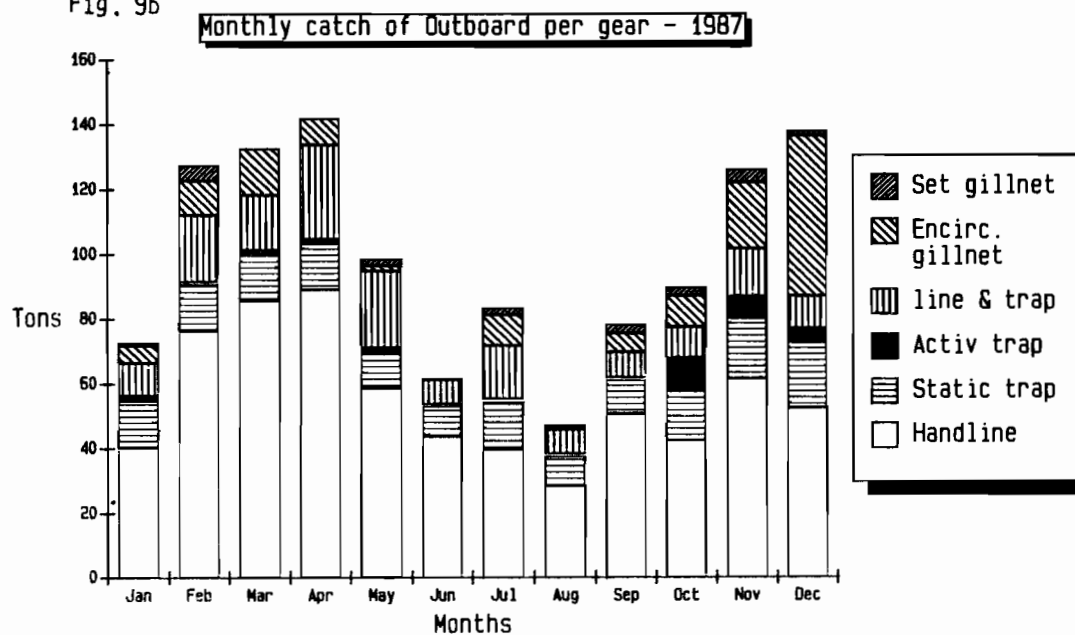


Fig. 9c

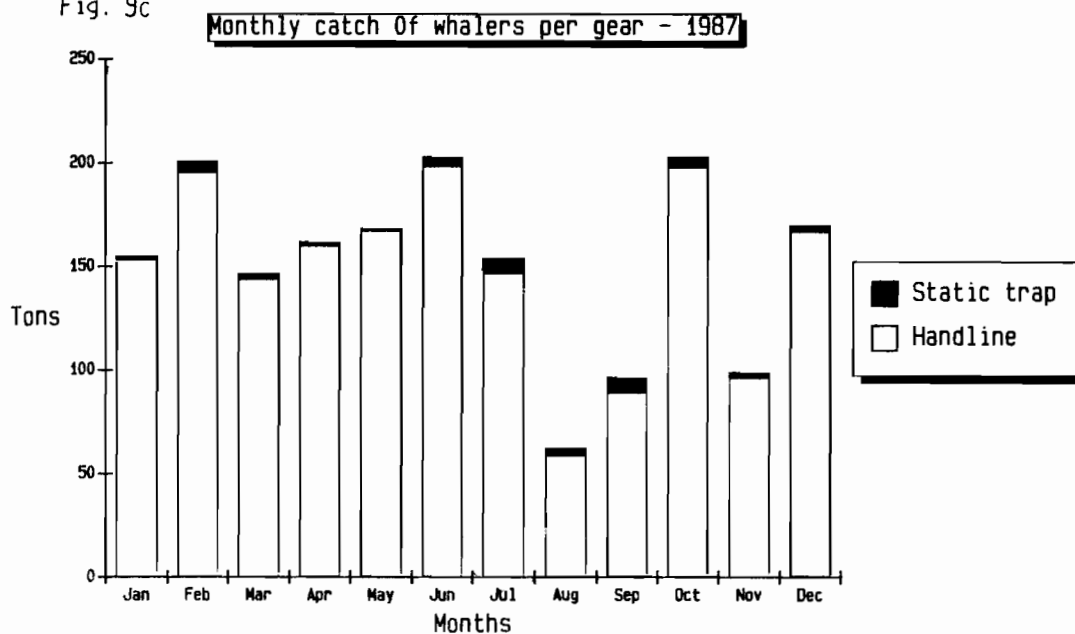


Fig. 9d

Monthly catch of schooner - 1987

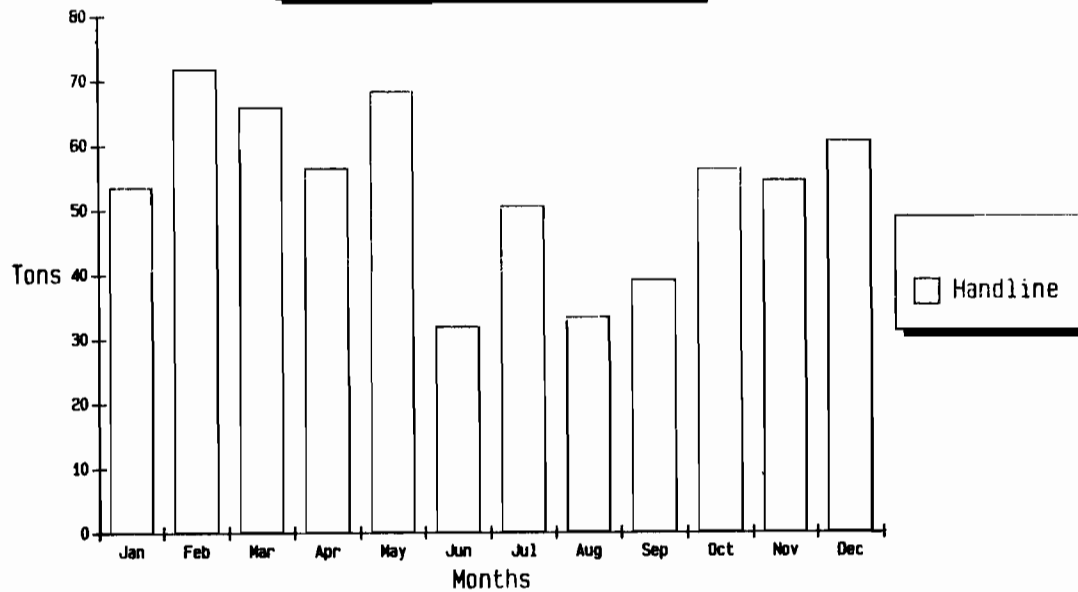
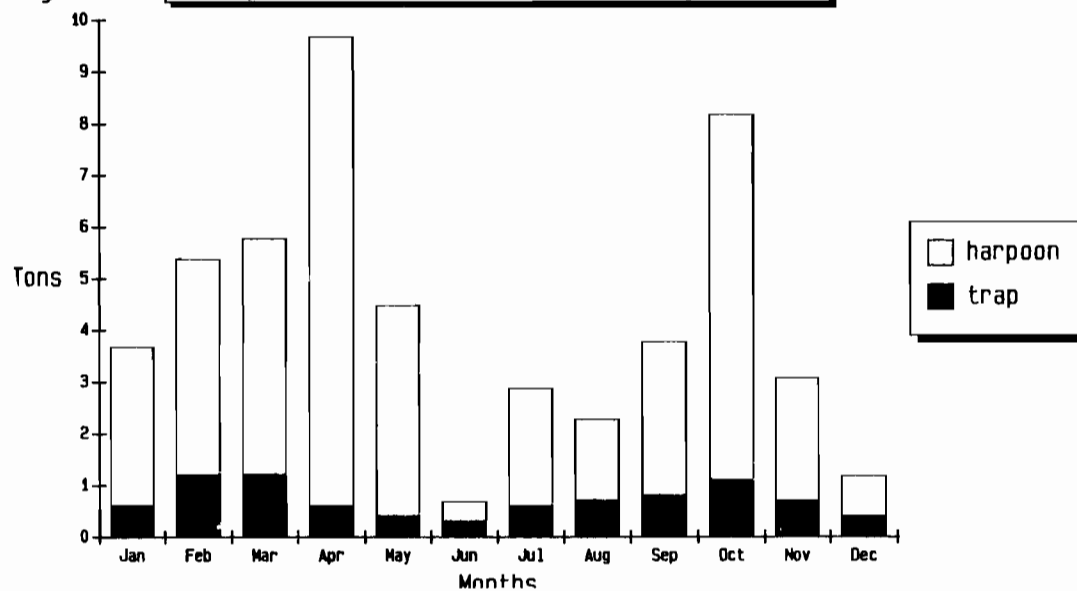
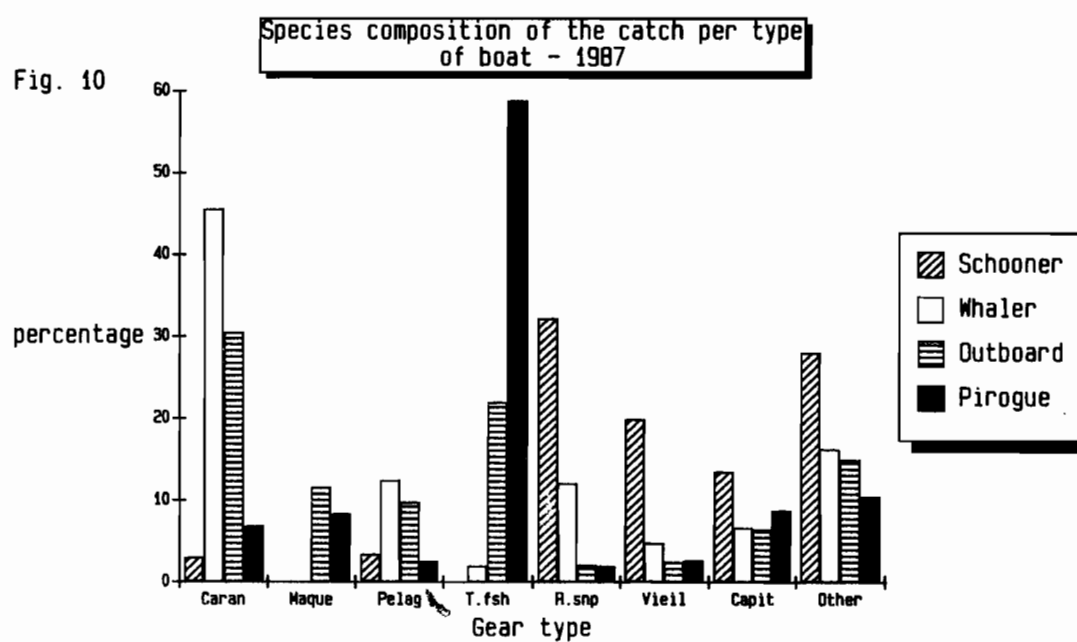
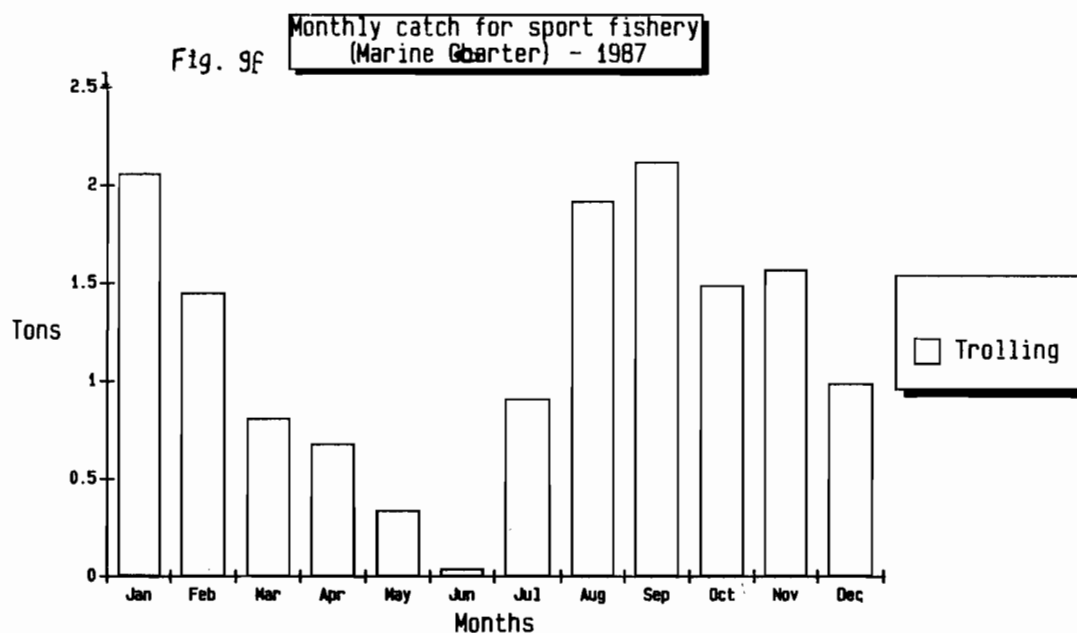
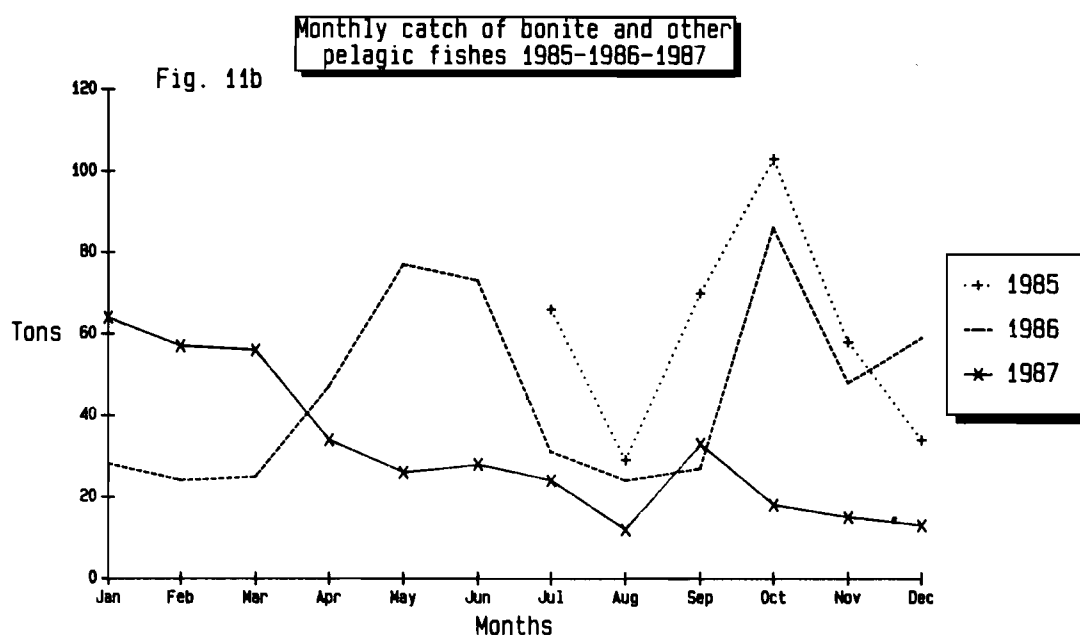
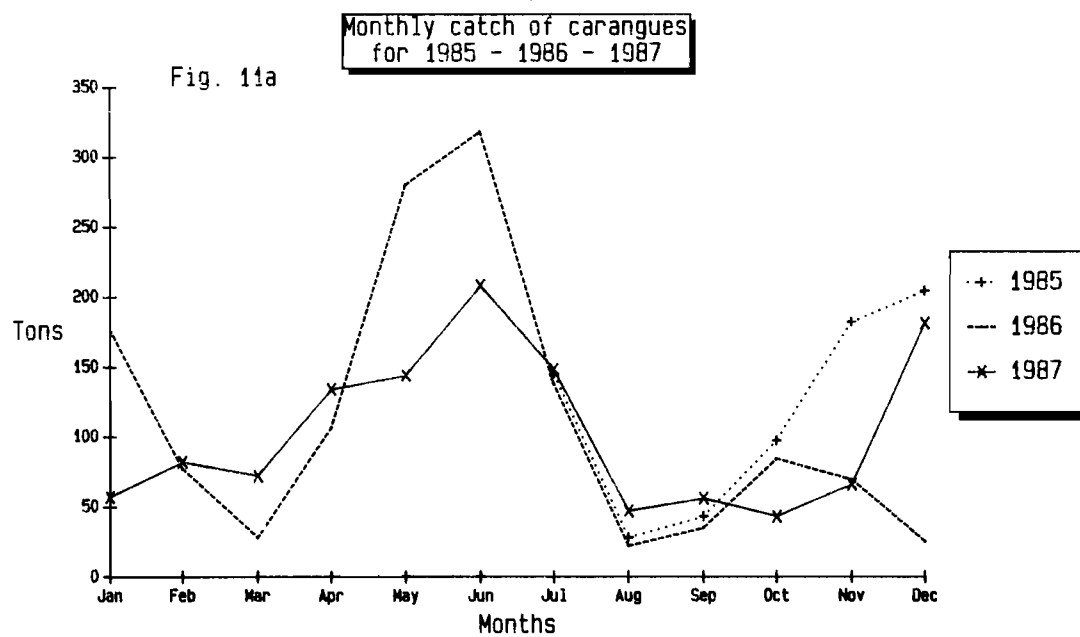


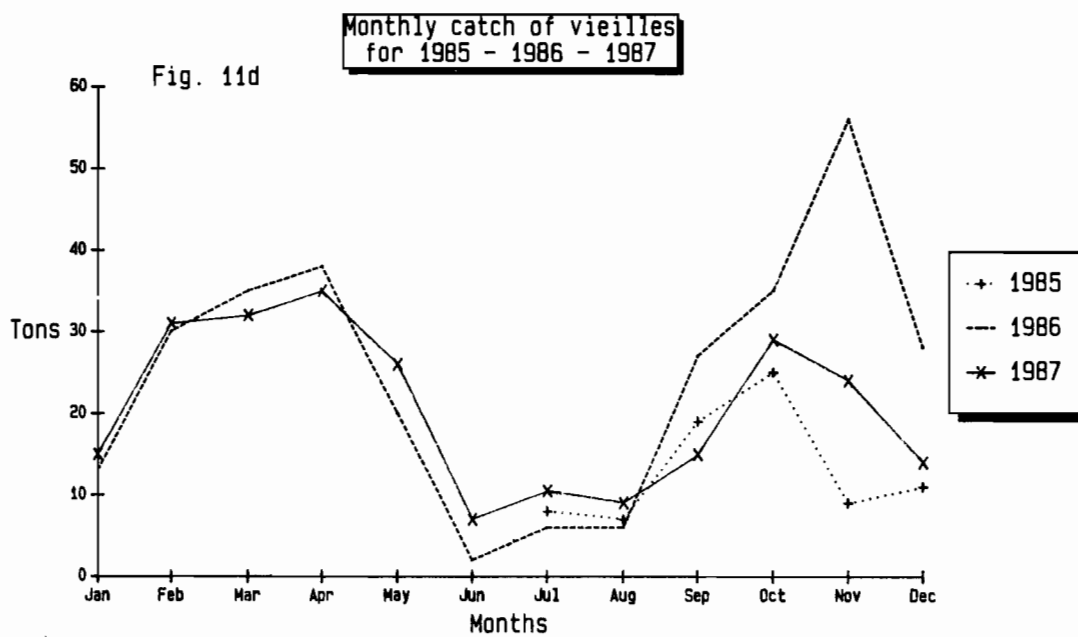
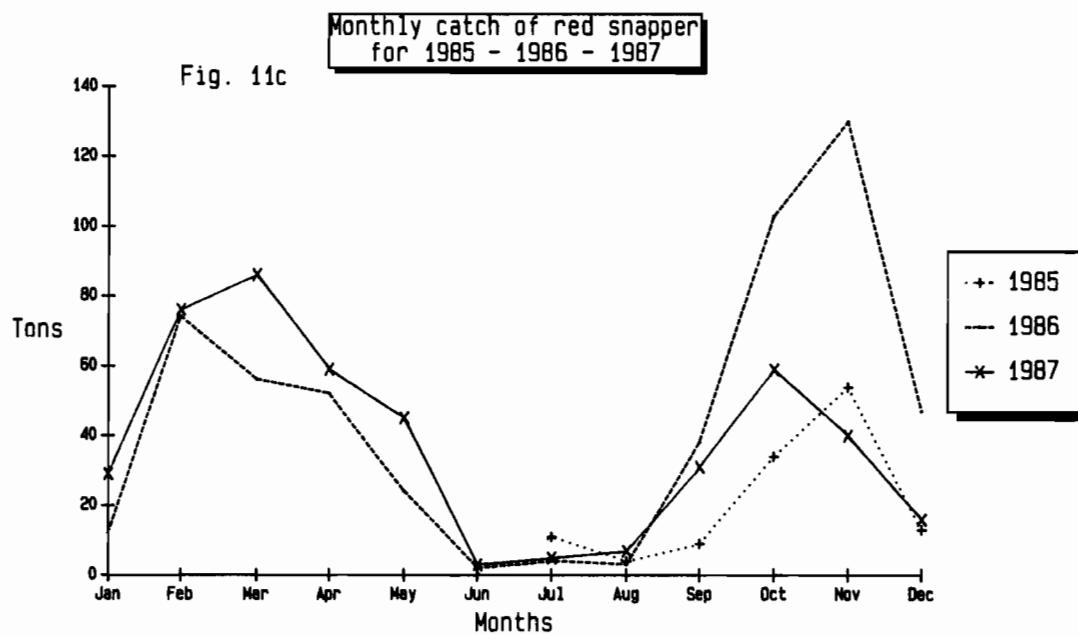
Fig. 9e

Monthly catch of fishermen on foot per gear - 1987









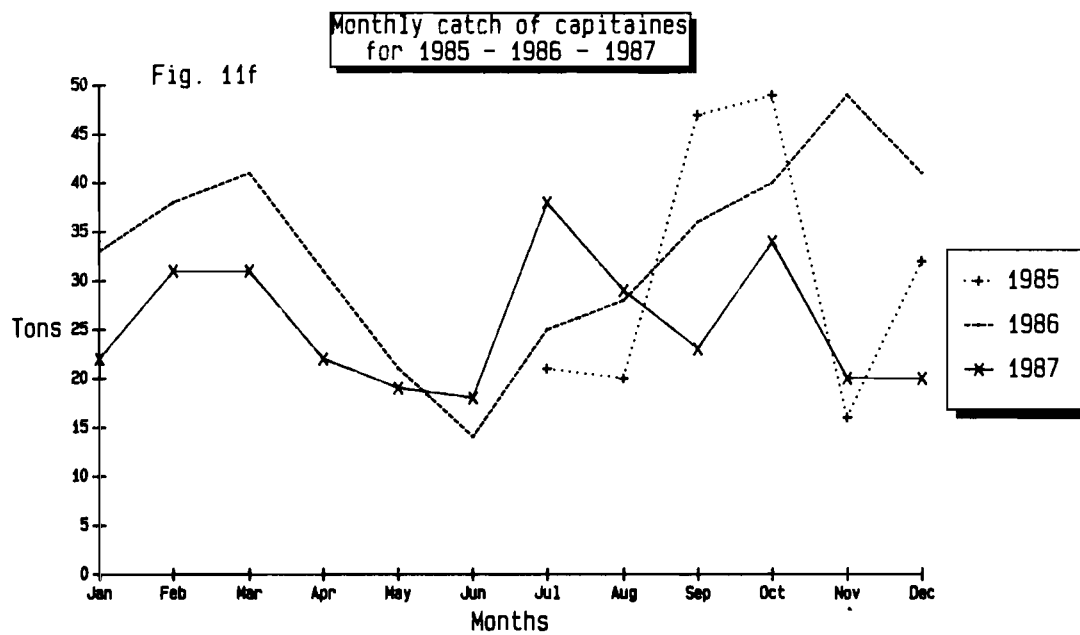
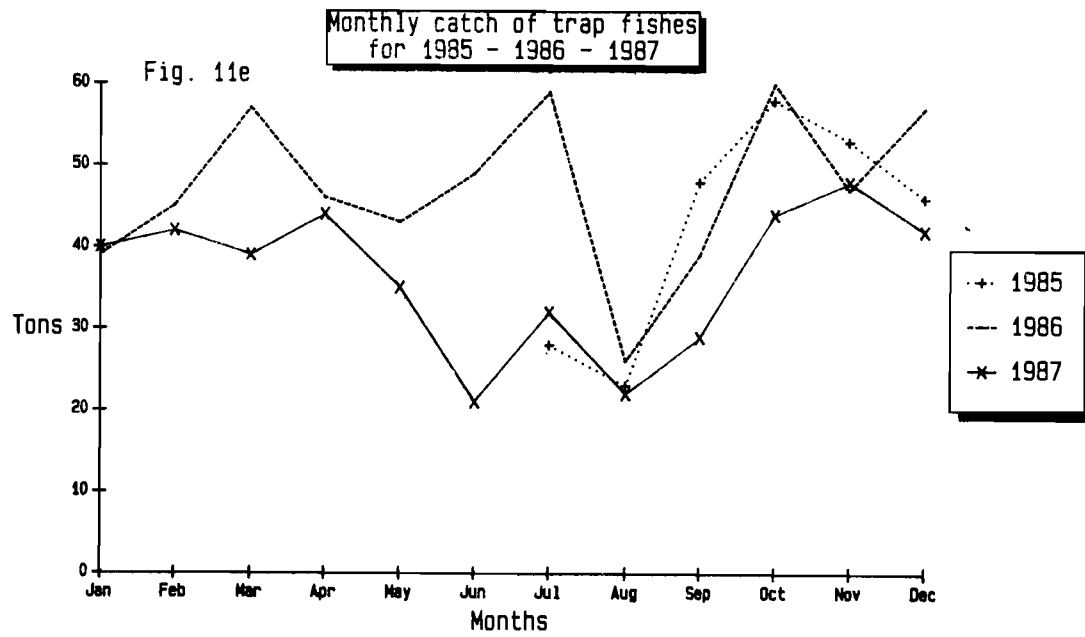


Fig. 12a

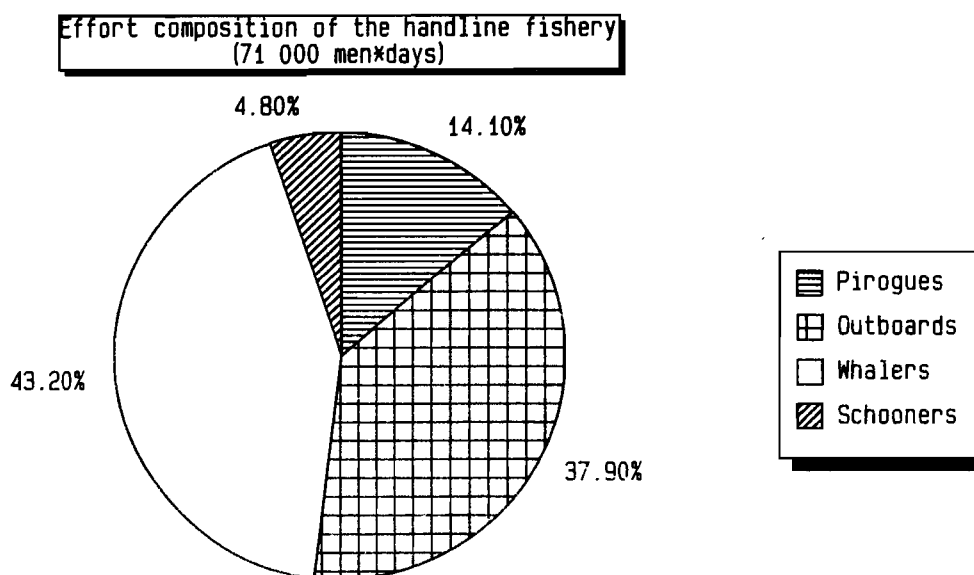


Fig. 12b

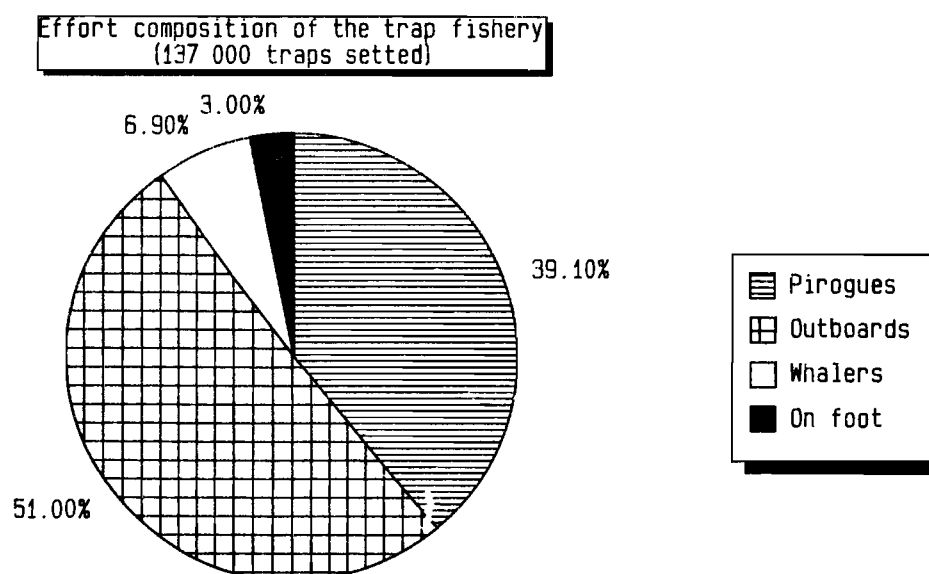


Fig. 12c

Effort composition of the net fishery
(2 700 net setted)

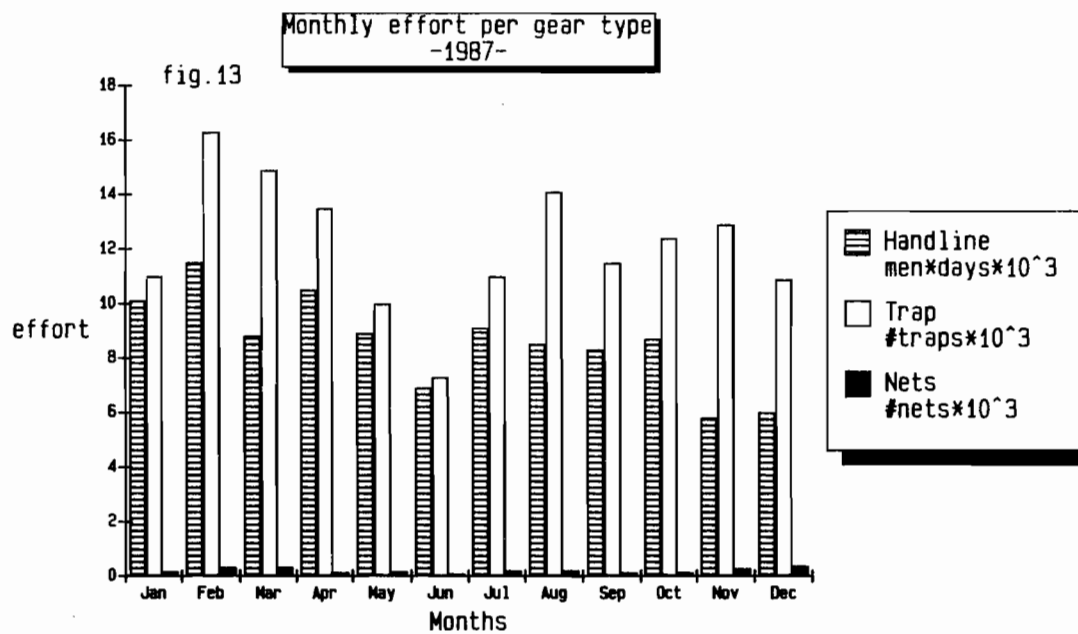
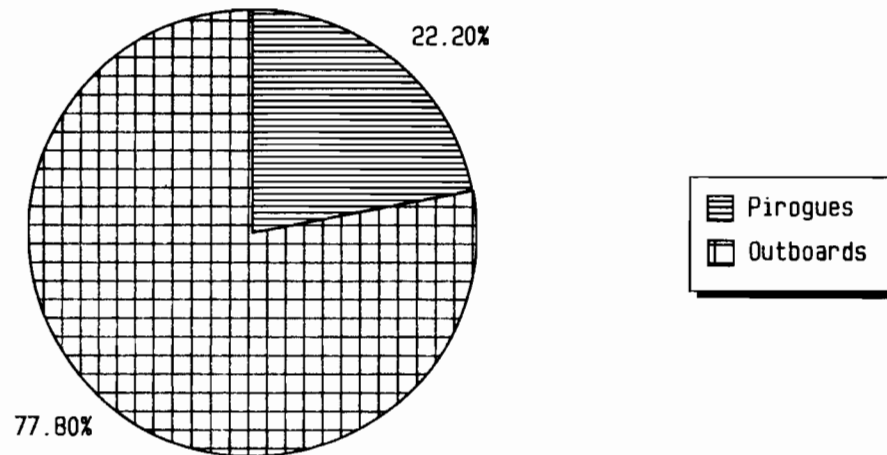


Fig. 14a

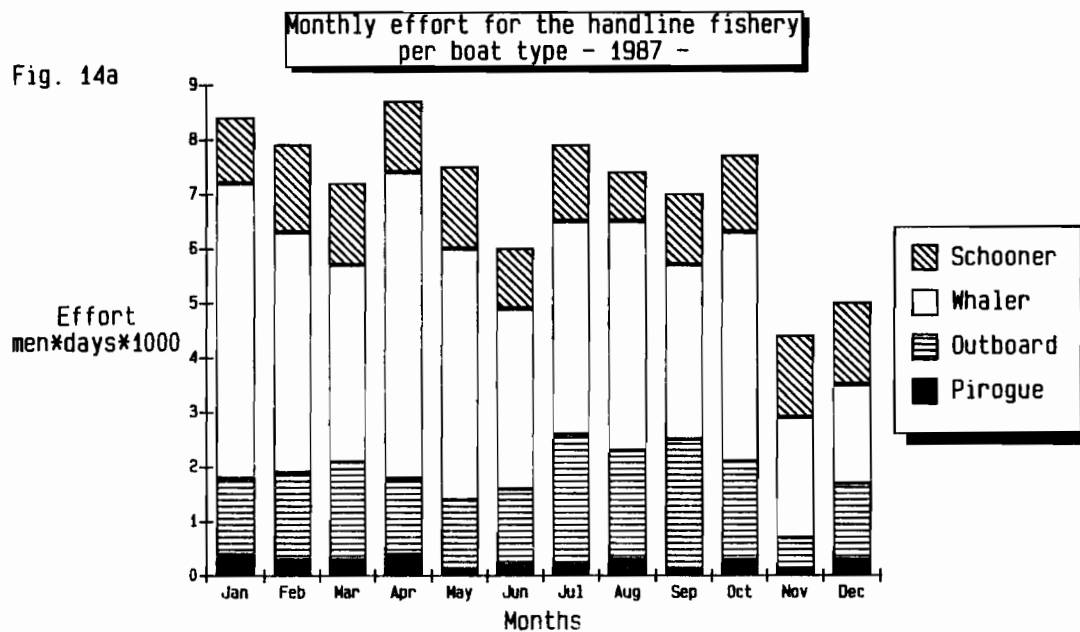
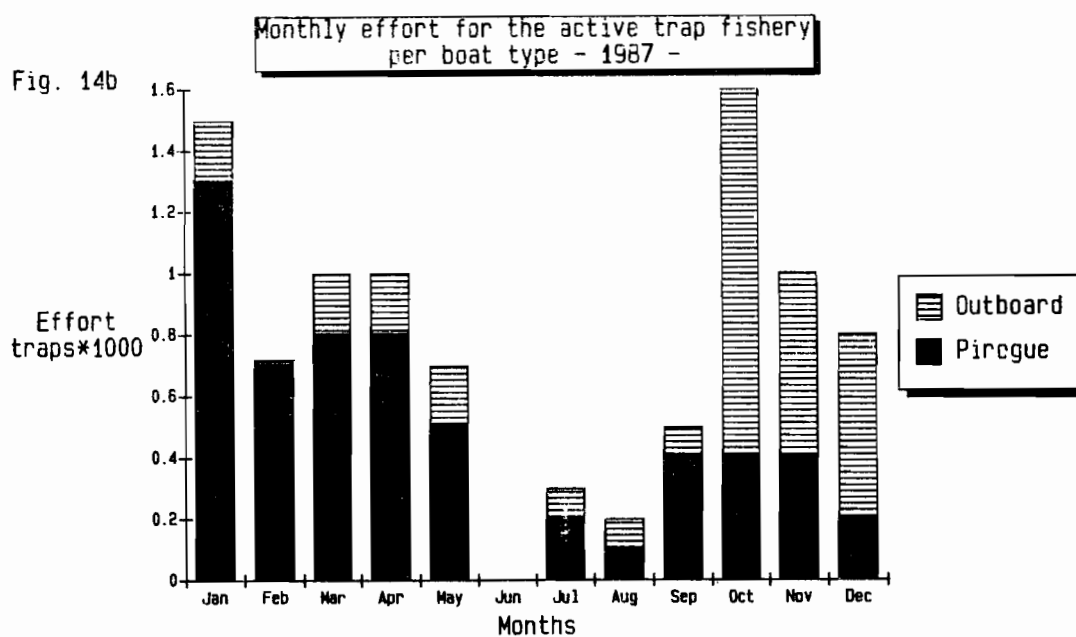


Fig. 14b



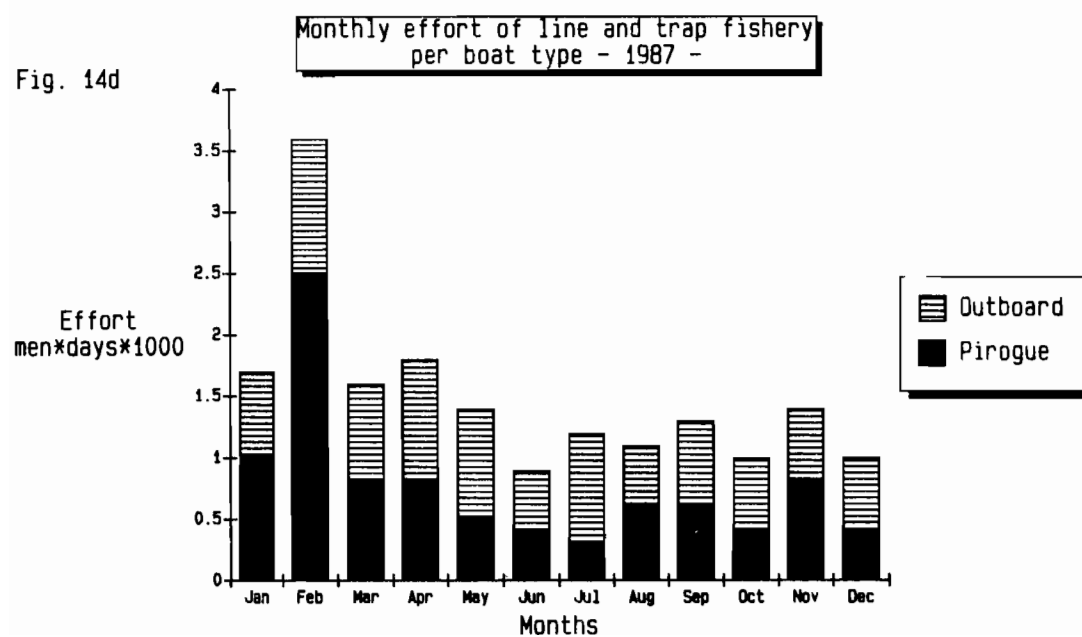
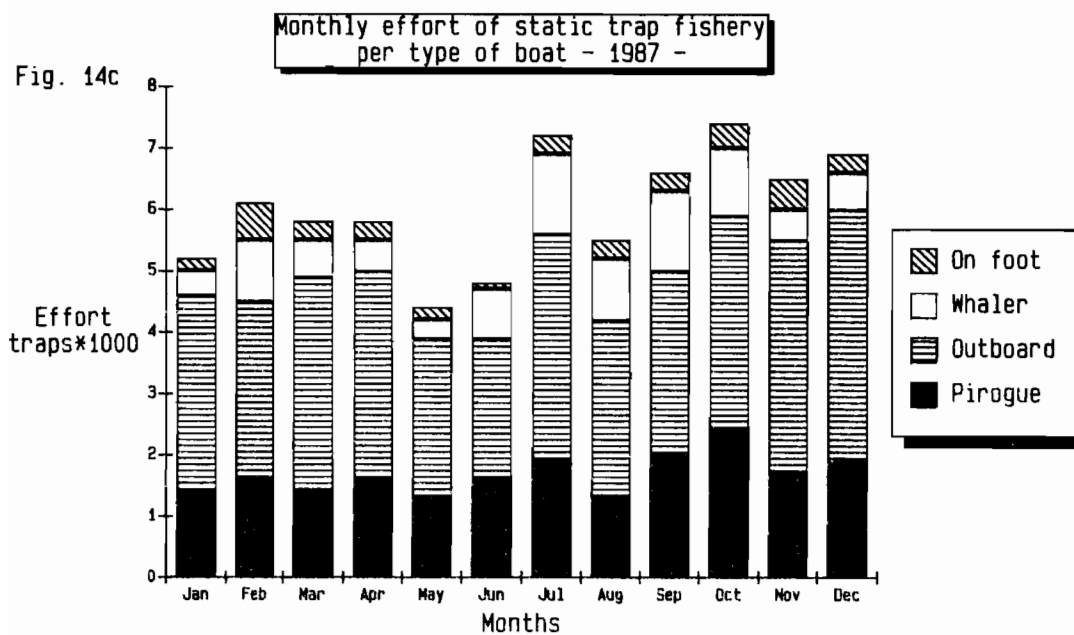


Fig. 14e

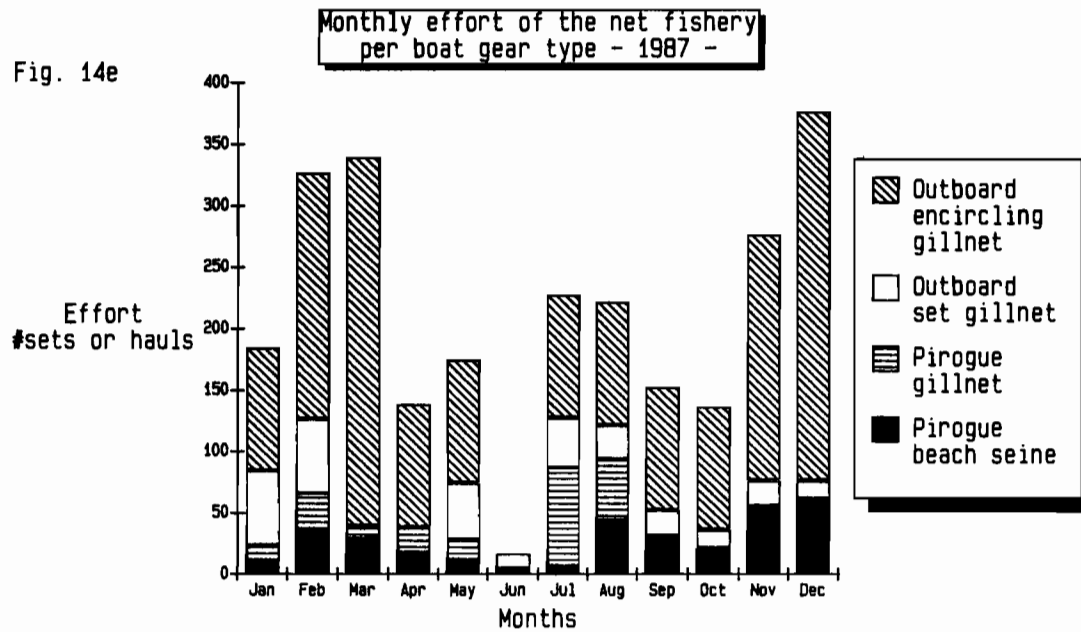
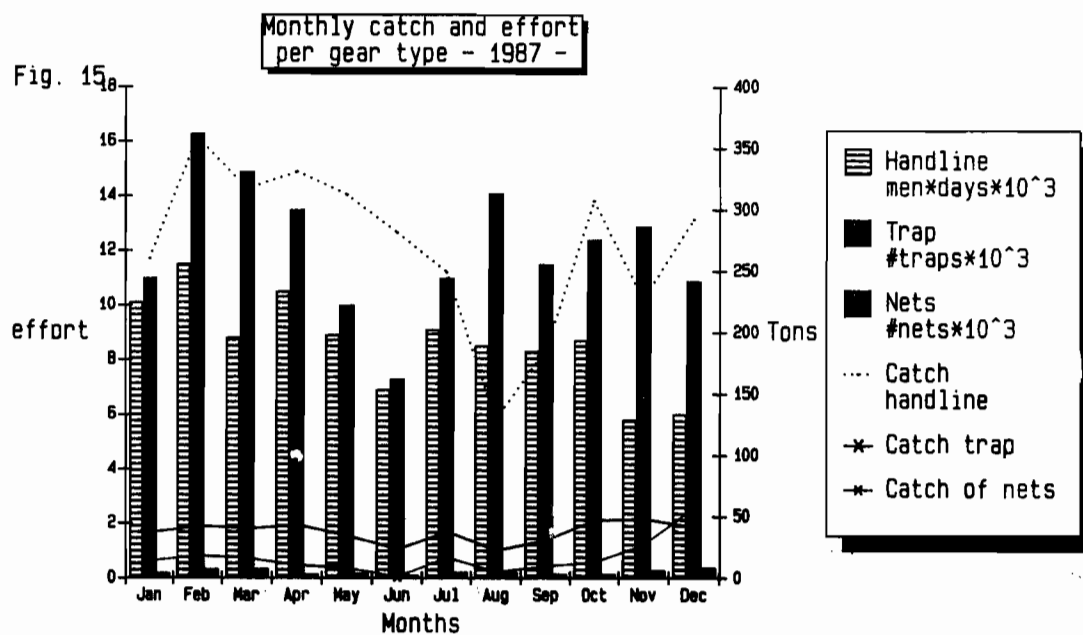
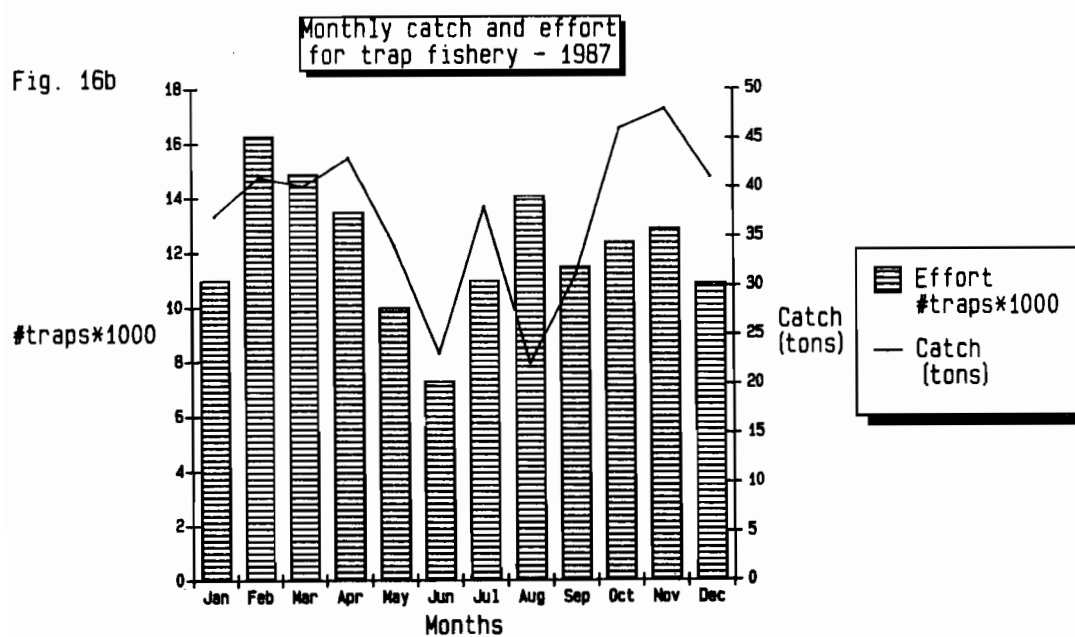
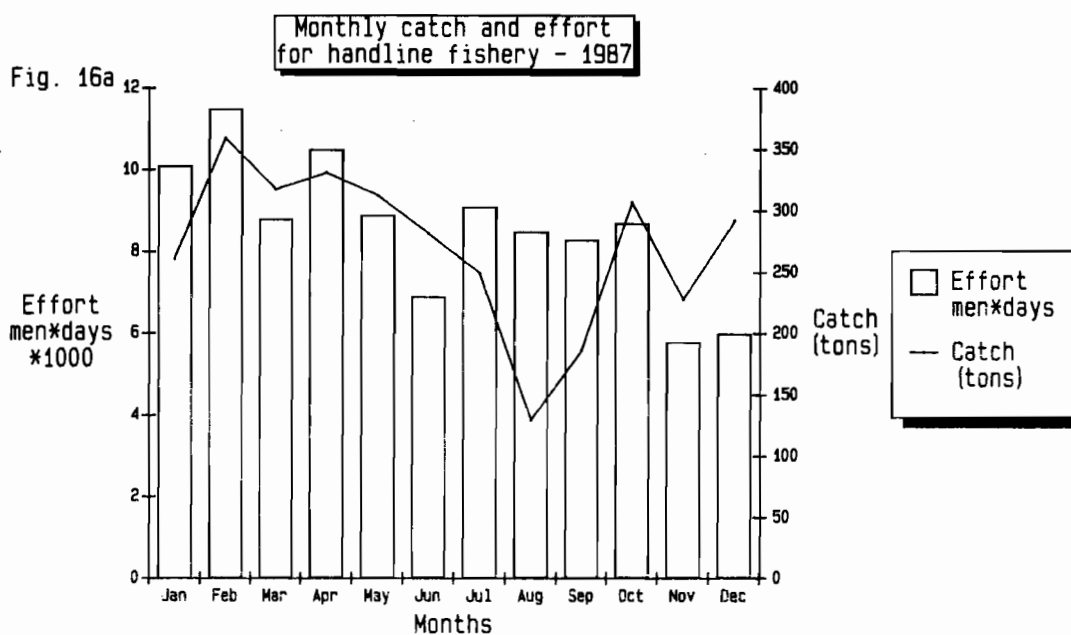


Fig. 15a





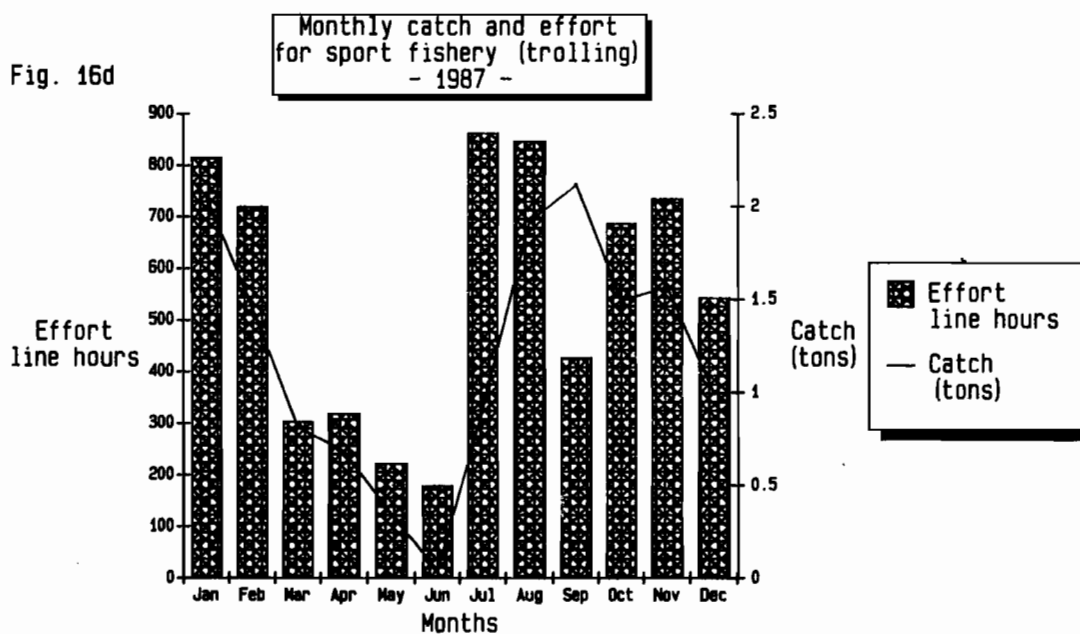
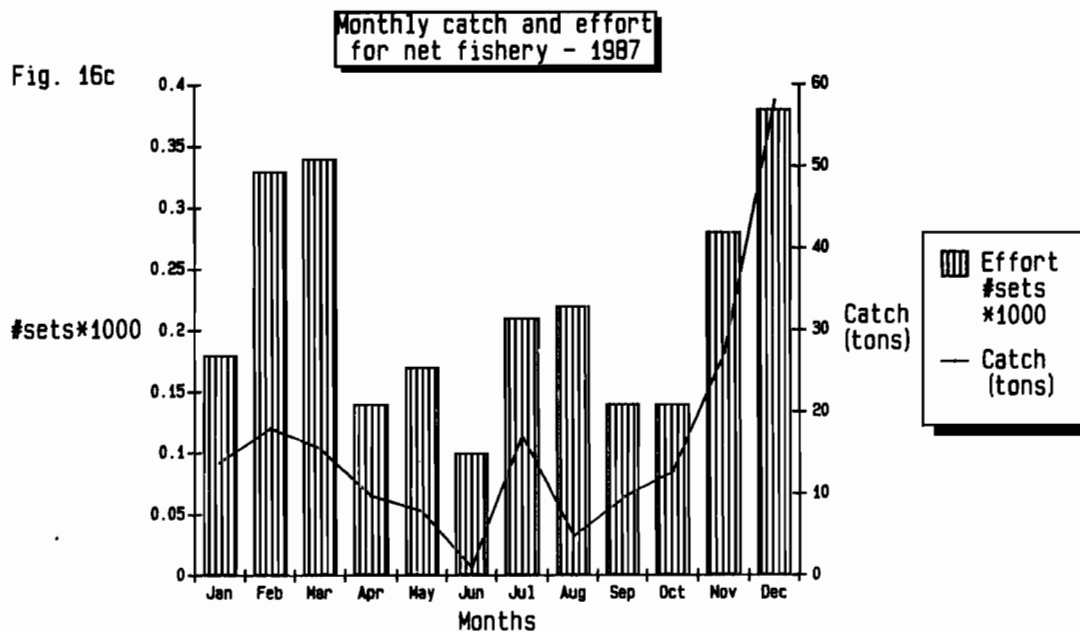


Fig. 17a

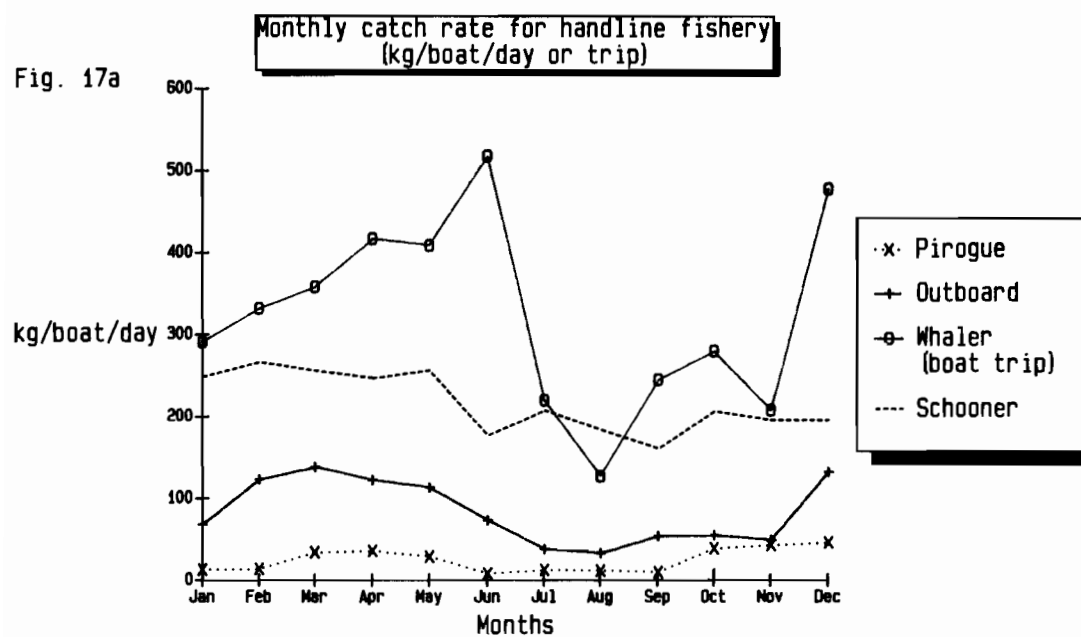


Fig. 17b

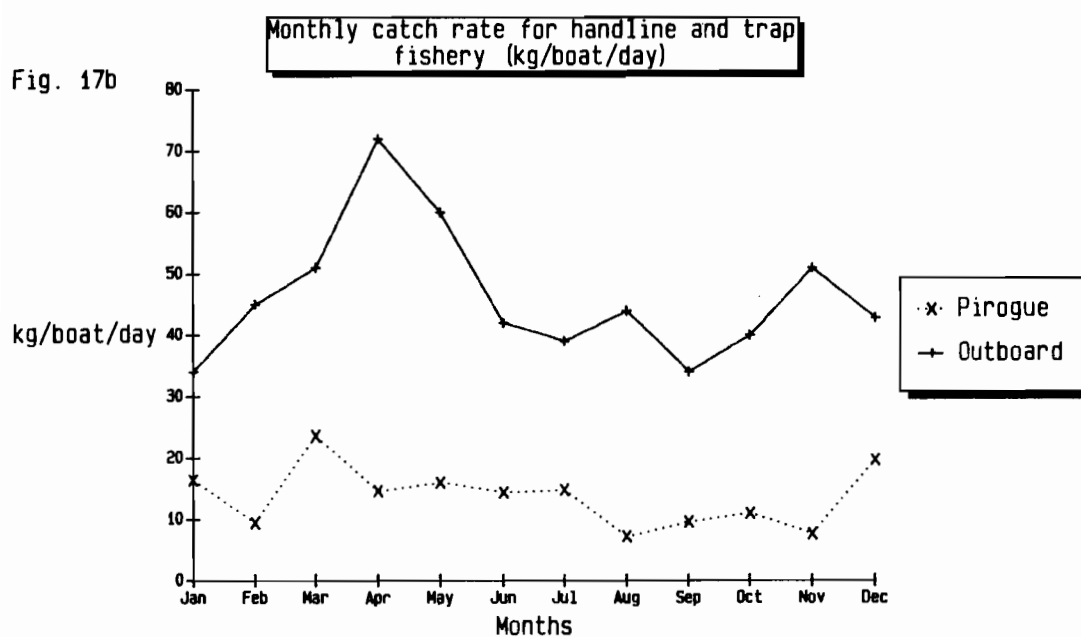


Fig. 17c

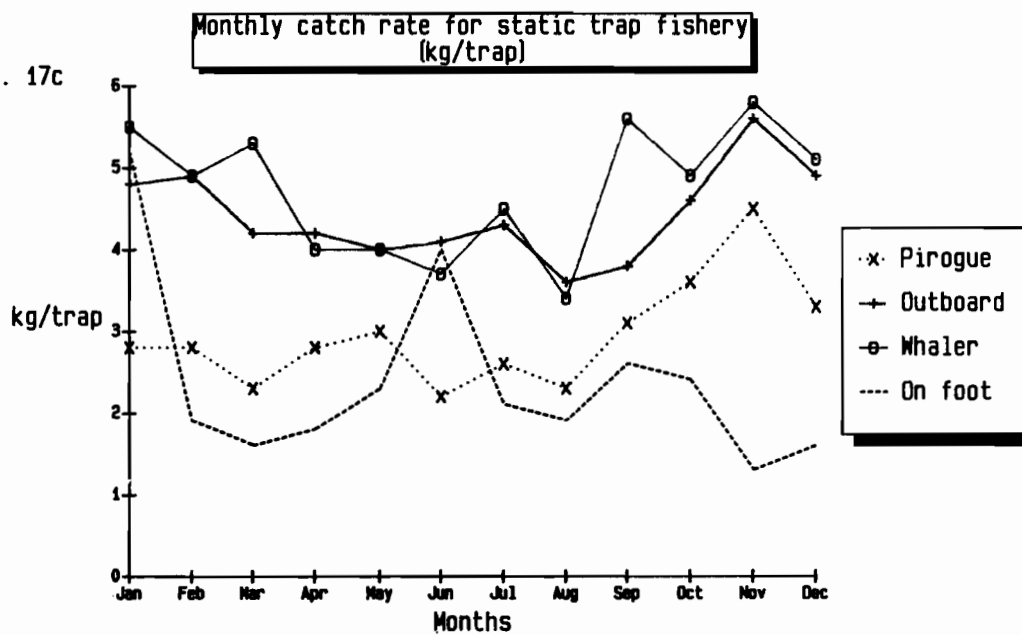


Fig. 17d

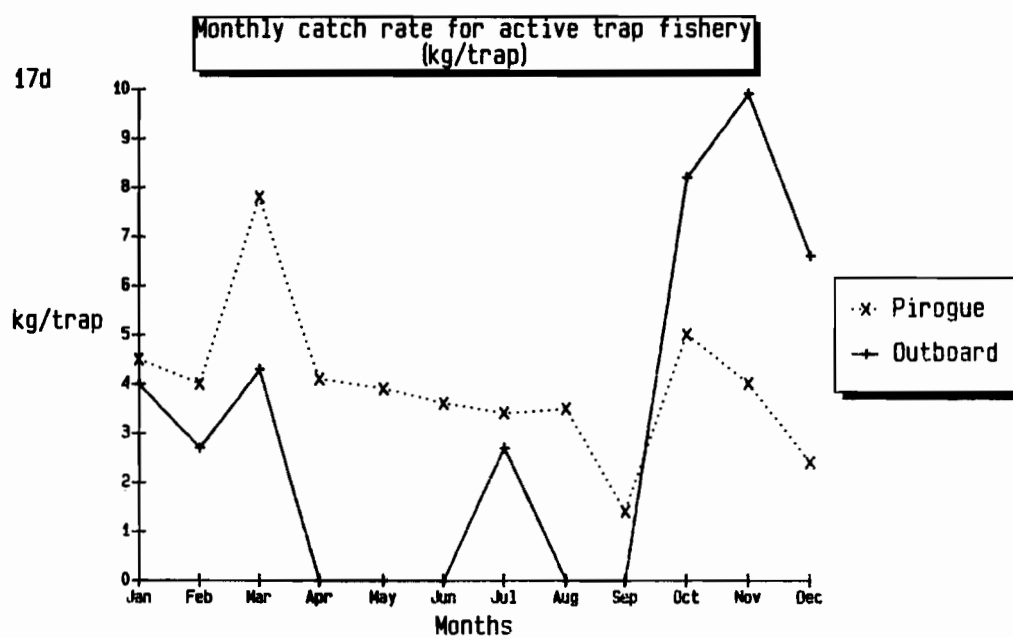


Fig. 17e

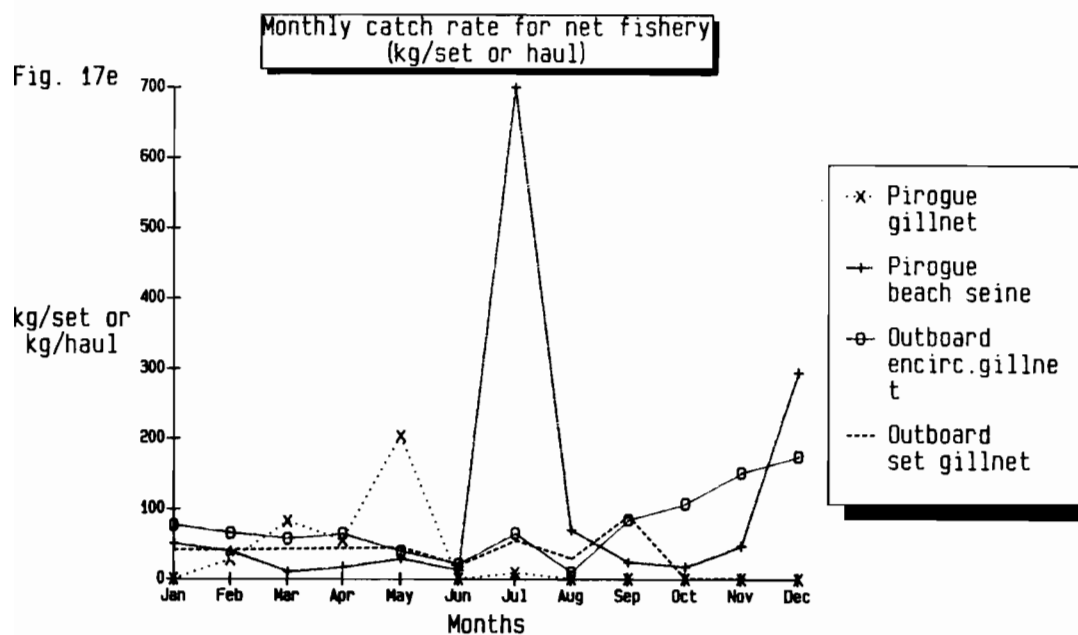


Fig. 18

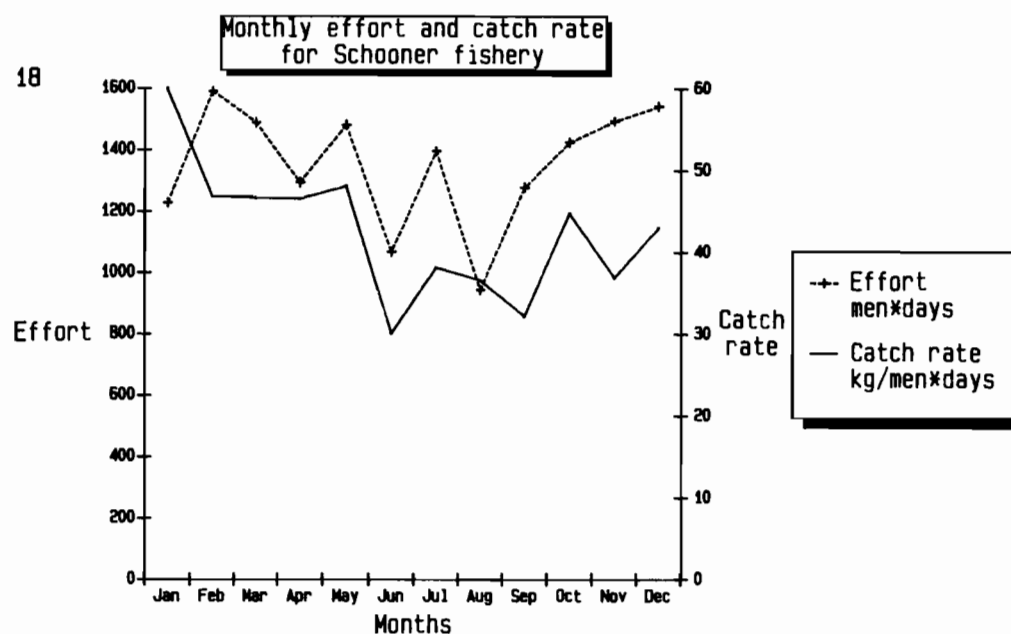


Fig. 19

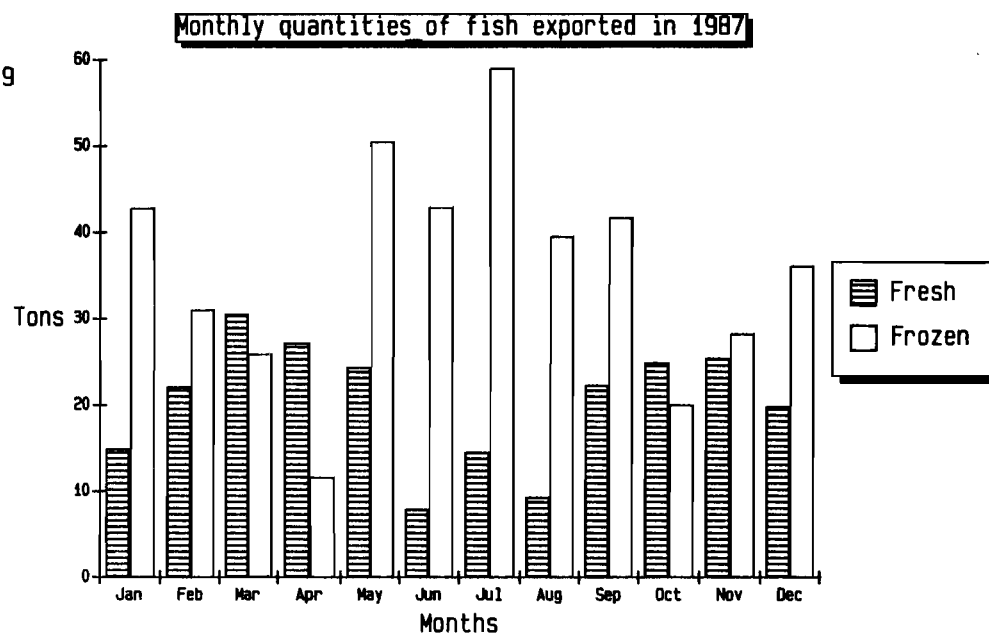
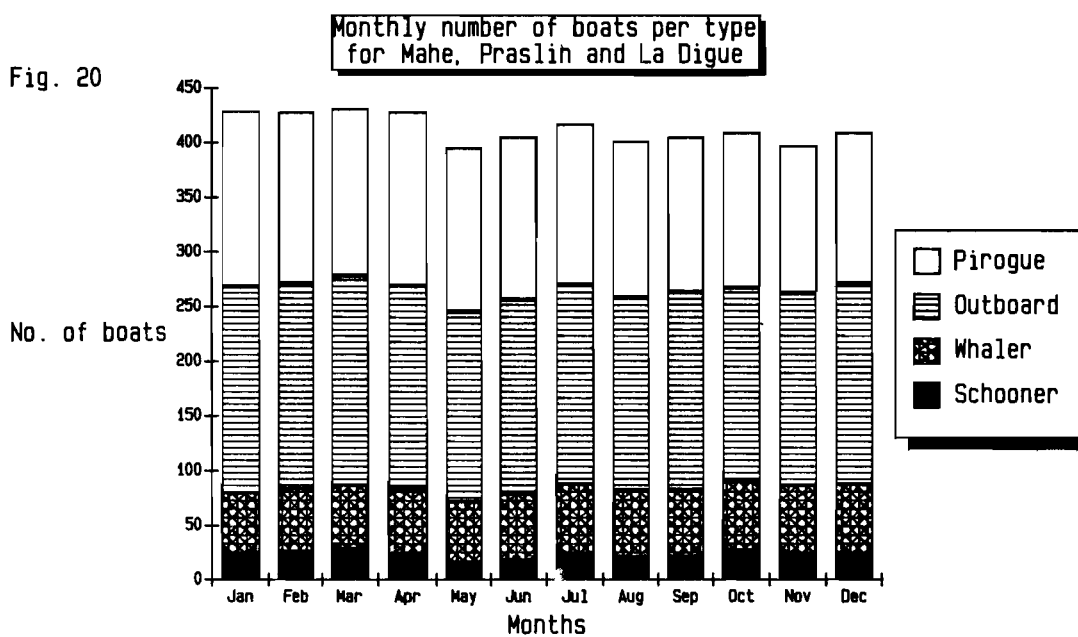


Fig. 20



A N N E X E S

Ann. 1.1 MONTHLY TOTAL CATCH & EFFORT BY BOAT GEAR TYPE BY STRATUM

M A H E 1 9 8 7

BOAT TYPE GEAR	P I R O G U E L H P												
SPECIES CODE	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
01 C. BALD	0	0	0	0	0	0	0	0	0	0	0	0	0.0
02 D. CARANX	0	0.3	0	0	0	0	0	0	0	0	0	0.4	0.7
03 M. DOUX	0	0	0	0	0	0	0	0	0	0	0	0	0.0
04 D. MAQUER	0	0	0	0	0	0	0	0	0	0	0	0	0.0
05 BONITE	0	0	0	0.1	0	0	0	0	0	0	0	0	0.1
06 D. PELAGIC	0.4	0	0	0	0	0	0	0	0	0	0	0	0.4
07 BECUNE	0	0	0	0	0	0	0	0	0	0	0	0	0.0
08 CORDONIER	0	0	0	0	0	0	0	0	0	0	0	0	0.0
09 D. TRAP	0.5	0.1	0.1	0	0	0	0	0.2	0	0	0.04	0.4	1.3
10 R. SNAPPER	0	0	0	0	0	0.1	0	0	0	0	0	0	0.1
11 VARA VARA	0	0	0	0	0	0	0	0	0	0	0	0	0.0
12 JOB	0.2	0.1	0	0	0	0	0	0	0	0	0	0	0.3
13 MACONDE	0	0	0	0	0	0	0	0	0	0	0	0	0.0
14 D. VIEILLE	0	0	0	0.1	0	0	0	0	0	0	0	0	0.1
15 CAPITAINIE	0.6	0.4	0.5	0.7	0.3	0	0.1	0.2	0.1	0.1	0.04	0.6	3.6
16 SHARK&RAY	0	0	0.1	0	0	0	0.2	0	0	0	0	0.9	1.2
17 OCTOPUS	0	0	0	0	0	0	0	0	0	0	0	0	0.0
18 OTHERS	0.5	0	0	0	0	0	0	0	0	0	0	0	0.5
TOTAL CATCH	2.2	0.9	0.7	0.9	0.3	0.1	0.3	0.4	0.1	0.1	0.1	2.3	8.4
EFFORT =====													
NO. OF BOATS	10	10	10	12	10	8	8	8.5	7.5	6	3.5	8	8.5 ‡
T. HOURS OUT	810	560	340	340	80	50	150	190	50	70	20	397	3057
TOTAL MEN	310	180	70	130	30	15	40	85	10	20	10	83	983
T. MAN HOURS	1480	1090	340	610	80	100	300	520	50	140	40	565	5315
DAILY EFFORT =====													
MEAN CREW	1.8	1.7	1.0	1.8	1.0	2.0	2.0	2.5	1.0	2.0		2.0	1.7
* HOURS OUT	5.7	5.8	4.4	5.1	2.5	6.0	7.3	6.0	6.0	8.3		6.7	5.6
CATCH RATES =====													
KG/BOAT TRIP	12.6	9.8	8.2	17.4	8.2	21.4	15.7	11.7	9.6	15.0		33.0	14.5
KG/MAN HOUR	1.2	0.9	1.9	1.9	3.3	1.8	1.1	0.8	1.6	0.9		2.4	1.7
KG/MAN DAY	6.7	5.7	8.2	9.9	8.2	10.7	7.9	4.7	9.6	7.5		16.5	8.6

‡ Denotes mean no. of boats per month

Ann. 1.2 MONTHLY TOTAL CATCH & EFFORT BY BOAT GEAR TYPE BY STRATUM

M A H E 1 9 8 7

BOAT TYPE GEAR	P I R O G U E F I X S												Total
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
SPECIES CODE													
01 C.BALD	0	0	0	0	0	0	0	0	0	0	0	0	0.0
02 D.CARANX	0	0	0	0	0	0	0	0	0	0	0	0	0.0
03 M.DDUX	0	0	0	0	0	0	0	0	0	0	0	0	0.0
04 D.MAQUER	0	0	0	0	0	0	0	0	0	0	0	0	0.0
05 BONITE	0	0	0	0	0	0	0	0	0	0	0	0	0.0
06 D.PELAGIC	0	0	0	0	0	0	0	0	0	0.1	0	0	0.1
07 BECUNE	0	0	0	0	0	0	0	0	0	0	0	0	0.0
08 CORDONIER	0.8	1.2	0.1	0.4	0.4	1.5	1.5	0.4	0.2	2.0	0.5	1.0	10.0
09 D.TRAP	1.4	1.9	1.6	1.1	1.4	0.8	1.3	1.3	1.1	1.4	1.0	1.6	15.9
10 R.SNAPPER	0	0	0	0	0	0	0	0	0	0	0	0	0.0
11 VARA VARA	0	0	0	0	0	0	0	0	0	0	0	0	0.0
12 JOB	0	0	0	0	0	0	0	0	0	0	0	0	0.0
13 MACONDE	0	0	0	0	0	0	0	0	0	0	0	0	0.0
14 D.VIEILLE	0	0	0	0.1	0	0	0	0	0	0	0	0	0.1
15 CAPITAIN	0	0.2	0	0.3	0.1	0	0.1	0.1	0.3	0	0.4	0.2	1.7
16 SHARK&RAY	0	0	0	0	0	0	0	0	0	0	0	0	0.0
17 OCTOPUS	0	0	0.2	0	0	0	0	0	0	0.3	0	0	0.5
18 OTHERS	0	0	0.1	0	0	0	0	0	0	0	0	0	0.1
TOTAL CATCH	2.2	3.3	2.0	1.9	1.9	2.3	2.9	1.8	1.6	3.8	1.9	2.8	28.4
EFFORT													
=====													
NO.OF BOATS	19.5	22	21	21	18	28	28	21	20	30	17	16.5	21.8 #
T.HOURS OUT	310	620	465	275	480	470	540	395	310	830	170	220	5085
TOTAL MEN	120	380	290	360	200	360	500	440	500	515	240	360	4265
T.MAN HOURS	570	720	520	415	690	740	860	650	550	1305	260	260	7540
TOTAL TRAPS	1050	1315	1005	990	600	1135	1410	1160	1210	1730	680	1070	13355
DAILY EFFORT													
=====													
MEAN CREW	1.8	1.5	1.2	1.6	1.3	1.7	1.5	1.7	1.7	1.5	1.7	1.6	1.6
" HOURS OUT	1.0	1.9	1.7	1.2	3.1	2.2	1.9	2.0	1.6	3.0	1.4	1.1	1.9
" TRAPS SET	3.4	4.3	4.0	4.0	3.9	4.8	4.3	4.2	4.6	5.9	4.4	4.4	4.4
CATCH RATES													
=====													
KG/BOAT TRIP	7.6	10.1	7.3	7.3	12.7	10.3	9.9	9.4	6.6	13.5	12.9	11.4	10.0
KG/MAN HOUR	4.2	4.3	3.7	3.9	3.0	2.9	3.3	2.8	2.7	2.9	6.2	6.7	3.7
KG/TRAP	2.2	2.4	1.8	1.9	3.3	2.2	2.3	2.2	1.4	2.3	3.0	2.6	2.3

Denotes mean no. of boats per month

Ann. 1.3 MONTHLY TOTAL CATCH & EFFORT BY BOAT GEAR TYPE BY STRATUM

M A H E 1 9 8 7

BOAT TYPE GEAR	P I R O G U E F I X A												
SPECIES CODE	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
01 C.BALO	0	0	0	0	0				0	0	0		0.0
02 D.CARANX	0	0	0	0	0				0	0	0		0.0
03 M.DOUX	0	0	0	0	0				0	0	0		0.0
04 D.MAQUER	0	0	0	0	0				0	0	0		0.0
05 BONITE	0	0	0	0	0				0	0	0		0.0
06 D.PELAGIC	0	0	0	0	0				0	0	0		0.0
07 BECUNE	0	0	0	0	0				0	0	0		0.0
08 CORDONIER	0.1	0.2	0.4	0.03	0.1				0.1	0.1	0.1		1.1
09 D.TRAP	0	0	0	0	0				0	0	0		0.0
10 R.SNAPPER	0	0	0	0	0				0	0	0		0.0
11 VARA VARA	0	0	0	0	0				0	0	0		0.0
12 JOB	0	0	0	0	0				0	0	0		0.0
13 MACONDE	0	0	0	0	0				0	0	0		0.0
14 D.VIEILLE	0	0	0	0	0				0	0	0		0.0
15 CAPITAINE	0	0	0	0	0				0	0	0		0.0
16 SHARK&RAY	0	0	0	0	0				0	0	0		0.0
17 OCTOPUS	0	0	0	0	0				0	0	0		0.0
18 OTHERS	0	0	0	0	0				0	0	0		0.0
TOTAL CATCH	0.1	0.2	0.4	0.03	0.1	0.0	0.0	0.0	0.1	0.1	0.1	0.0	1.1
EFFORT													

NO.OF BOATS	1	1	1	1	1				1	0.5	0.5	0.5	0.8 *
T.HOURS OUT	20	55	80	15	55				10	20	20		275
TOTAL MEN	10	10	20	10	10				10	5	10		85
T.MAN HOURS	20	60	110	30	60				10	20	30		340
TOTAL TRAPS	60	60	65	20	40				30	20	20		315
DAILY EFFORT													

MEAN CREW	1.0			2.0					1.0				1.3
* HOURS OUT	2.0			3.0					2.0				2.3
* TRAPS SETS	5.0			4.0					5.0				4.7
CATCH RATES													

KG/BOAT TRIP	11.0			7.0					7.0				8.3
KG/MAN HOUR	5.5			1.2					3.5				3.4
KG/TRAP	2.2			1.8					1.4				1.8

* Denotes mean no. of boats per month

Ann. 1.4 MONTHLY TOTAL CATCH & EFFORT BY BOAT GEAR TYPE BY STRATUM

M A H E 1 9 8 7

BOAT TYPE GEAR	P I R O G U E LHP FIX												
SPECIES CODE	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
01 C.BALO	0	0	0	0	0	0	0	0	0	0	0	0	0.0
02 D.CARANX	0.9	0.2	0.3	0.1	0.1	0	0	0	0	0	0	0	1.6
03 M.DOUX	0	0	0	0	0	0	0	0	0	0	0	0	0.0
04 D.MAQUER	0	0	0	0	0	0	0	0	0	0	0	0	0.0
05 BONITE	0	0	0	0	0	0	0	0	0	0	0	0	0.0
06 D.PELAGIC	0	0	0	0	0	0	0	0	0	0	0	0	0.0
07 BECUNE	0	0	0	0	0	0	0	0	0	0	0	0	0.0
08 CORDONIER	2.6	1.5	2.1	3.2	2.3	1.3	1.5	1.6	1.5	1.0	3.2	1.3	23.1
09 D.TRAP	2.4	1.6	1.8	0.7	2.5	0.9	1.3	0.6	0.7	0.4	1.3	0.9	15.1
10 R.SNAPPER	0	0	0	0	0	0	0	0	0	0	0	0	0.0
11 VARA VARA	0	0	0	0	0	0	0	0	0	0	0	0	0.0
12 JOB	0	0.1	0	0.1	0.1	0	0	0	0	0	0	0	0.3
13 MACONDE	0	0	0	0	0	0	0	0	0	0	0	0.1	0.1
14 D.VIEILLE	0	0	0	0	0.1	0	0	0	0	0	0	0.1	0.2
15 CAPITAINE	0.8	0.7	0.4	0.3	0.5	0.1	0.4	0	0	0	0.2	0	3.4
16 SHARK&RAY	0	0	0	0	0	0	0	0	0	0	0	0	0.0
17 OCTOPUS	0.5	0.4	0.5	0.6	0.2	0	0	0.1	0.2	0.8	0.2	0.4	3.9
18 OTHERS	0	0	0	0	0	0	0	0	0	0	0	0	0.0
TOTAL CATCH	7.2	4.5	5.1	5.0	5.8	2.3	3.2	2.3	2.4	2.2	4.9	2.8	47.7
EFFORT =====													
NO.OF BOATS	36	35	32	31	29	21	23	23.5	25	15.5	26	24.5	26.8
T.HOURS OUT	1350	1360	1470	1185	1140	540	665	640	765	475	1110	830	11530
TOTAL MEN	675	810	520	560	480	375	290	360	395	245	570	340	5060
T.MAN HOURS	2270	2160	1950	1770	1660	980	950	950	1090	675	1760	1360	17575
TOTAL TRAPS	340	2870	2715	2000	1700	895	1130	1520	1595	990	2320	1410	19485
DAILY EFFORT =====													
MEAN CREW	1.6	1.6	1.4	1.5	1.6	1.8	1.4	1.4	1.5		1.6	1.6	1.5
* HOURS OUT	3.4	2.8	3.7	3.3	3.6	2.8	3.3	2.7	3.0		3.1	3.8	3.2
* TRAPS SET	6.9	5.3	7.4	6.1	5.9	4.8	5.7	5.8	6.2		6.5	6.6	6.2
CATCH RATES =====													
KG/BOAT TRIP	16.4	9.4	13.3	13.7	16.3	12.4	14.7	7.2	9.6		11.0	13.0	12.6
KG/MAN HOUR	3.0	2.1	2.7	2.9	3.1	2.5	3.3	1.8	2.3		2.3	2.1	2.6
KG/MAN DAY	2.4	5.9	9.9	9.4	10.5	6.9	10.5	5.0	6.6		6.8	8.4	7.4

† Denotes mean no. of boats per month

Ann. 1.5 MONTHLY TOTAL CATCH & EFFORT BY BOAT GEAR TYPE BY STRATUM

M A H E 1 9 8 7

BOAT TYPE
GEARP I R O B U E
B N C

SPECIES CODE	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
01 C.BALO	0	0	0	0	0	0							0.0
02 D.CARANX	0	0	0	0	0	0							0.0
03 M.DOUX	0.2	0.3	0.2	0.1	0.2	0							1.0
04 D.MAQUER	1.7	0	0	0.3	1.5	0							3.5
05 BONITE	0	0	0	0	0	0							0.0
06 D.PELAGIC	0	0	0	0	0	0							0.0
07 BECUNE	0	0	0	0	0	0							0.0
08 CORDONIER	0	0	0	0	0	0							0.0
09 D.TRAP	0	0	0	0	0	0							0.0
10 R.SNAPPER	0	0	0	0	0	0							0.0
11 VARA VARA	0	0	0	0	0	0							0.0
12 JOB	0	0	0	0	0	0							0.0
13 MACONDE	0	0	0	0	0	0							0.0
14 D.VIEILLE	0	0	0	0	0	0							0.0
15 CAPITAINE	0	0	0	0	0	0							0.0
16 SHARK&RAY	0	0	0	0	0	0							0.0
17 OCTOPUS	0	0	0	0	0	0							0.0
18 OTHERS	0	0	0	0	0	0							0.0
TOTAL CATCH	1.9	0.3	0.2	0.4	1.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.5

EFFORT

=====

NO.OF BOATS	1	1	1	1	1	1			0.5				0.9 †
T.HOURS OUT		40	10	10	20	10							70
TOTAL MEN		60	15	20	45	10							130
T.MAN HOURS		170	65	40	90	35							400
TOTAL SETS	4	10	5	10	10	5							44

DAILY EFFORT

=====

MEAN CREW		4.4	5.0	5.0	5.5	4.0							4.8
* HOURS OUT		2.9	4.5	2.5	2.0	3.0							3.0
* SETS		1.0	1.0	2.0	1.0	1.0							1.2

CATCH RATES

=====

KG/BOAT TRIP		27.6	82.4	110.4	203.5	0.0							84.8
KG/MAN HOUR		2.1	3.7	8.8	18.5	0.0							6.6
KG/SET		27.6	82.4	55.2	203.5	0.0							73.7

† Denotes mean no. of boats per month

Ann. 1.6 MONTHLY TOTAL CATCH & EFFORT BY BOAT GEAR TYPE BY STRATUM

M A H E 1 9 8 7

BOAT TYPE
GEARP I R O G U E
B S

SPECIES CODE	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
01 C.BALO	0	0	0	0	0	0	0	0	0	0	0	0	0.0
02 O.CARANX	0	0	0.1	0.1	0	0	0	0	0.1	0	1.2	0	1.5
03 M.DOUX	0.3	0	0	0.1	0	0	0	1.7	0	0	0.1	4.3	6.5
04 O.MAQUER	0	0	0	0	0	0	0	0	0	0.2	0.4	0	0.6
05 BONITE	0	0	0	0	0	0	0	0.1	0	0	0	0	0.1
06 O.PELABIC	0	0	0	0	0	0	0	0	0	0	0	0	0.0
07 BECUNE	0	0	0	0	0	0	0	0	0	0	0	0	0.0
08 CORDONIER	0	0	0	0	0	0	0	0	0	0	0	2.6	2.6
09 G.TRAP	0	0	0	0	0	0	0	0	0	0	0.1	0	0.1
10 R.SNAPPER	0	0	0	0	0	0	0	0	0	0	0	0	0.0
11 VARA VARA	0	0	0	0	0	0	0	0	0	0	0	0	0.0
12 JOB	0	0	0	0	0	0	0	0	0	0	0	0	0.0
13 MACONDE	0	0	0	0	0	0	0	0	0	0	0	0	0.0
14 O.VIEILLE	0	0	0	0	0	0	0	0	0	0	0	0	0.0
15 CAPITAINE	0	0	0	0	0	0	0	0	0	0	0	0	0.0
16 SHARK&RAY	0	0	0.1	0.1	0	0	0	0.2	0	0.1	0	0	0.5
17 OCTOPUS	0	0	0	0	0	0	0	0	0	0	0.1	0	0.1
18 OTHERS	0.3	1.8	0.1	0	0.4	0.1	4.7	0.8	0.7	0.08	0.5	0	9.5
TOTAL CATCH	0.6	1.8	0.3	0.3	0.4	0.1	4.7	2.8	0.8	0.4	2.4	6.9	21.5

EFFORT

=====

NO.OF BOATS	4.5	4.5	4.5	4.5	4	3.5	3.5	3.5	3.5	3.5	3.5	7	4.2 †
T.HOURS OUT	15	20	15	10	20	5	15	55	30	20	100	60	295
TOTAL MEN	110	195	160	40	60	25	30	220	160	55	240	190	1445
T.MAN HOURS	80	100	80	50	100	10	70	275	160	110	500	310	1845
TOTAL HAULS	10	40	30	20	10	5	10	45	30	20	55	60	315

DAILY EFFORT

=====

MEAN CREW	5.0	5.5	5.5	6.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.2
" HOURS OUT	0.8	0.5	0.5	1.5	1.8	0.5	2.0	1.3	1.0	2.0	2.3	1.8	1.3
" HAULS	0.5	1.0	1.0	3.0	1.0	1.0	1.0	1.0	1.0	2.0	1.3	1.5	1.3

CATCH RATES

=====

KG/BOAT TRIP	25.6	40.1	10.8	54.8	30.5	13.2	700.0	70.3	24.6	35.4	60.4	442.6	139.5
KG/MAN HOUR	6.8	14.6	3.9	6.1	3.5	5.3	70.0	11.3	4.9	3.5	5.4	50.6	17.2
KG/HAUL	51.2	40.1	10.8	18.3	30.5	13.2	700.0	70.3	24.6	17.7	48.3	295.1	115.8

† Denotes mean no. of boats per month

Ann. 1.7 MONTHLY TOTAL CATCH & EFFORT BY BOAT GEAR TYPE BY STRATUM

M A H E 1 9 8 7

BOAT TYPE
GEARO U T B O A R D
L H P

SPECIES CODE	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
01 C.BALO	4.3	22.8	29.1	54.5	34.6	23.0	17.5	6.6	15.5	6.9	5.3	15.9	236.0
02 O.CARANX	2.0	6.0	2.9	2.7	0.9	6.4	4.0	1.5	2.3	5.5	20.1	13.4	67.7
03 M.DOUX	0	0	0	0	0	0	0	0.2	0	0	0	0	0.2
04 O.MAQUER	0	0	0	0	0.1	0	0	0	0	0.2	0.1	0	0.4
05 BONITE	20.7	26.6	39.5	16.9	8.5	2.1	0.8	2.9	12.4	5.5	4.1	4.3	144.3
06 O.PELAGIC	6.5	7.0	2.7	1.5	2.1	1.3	0.3	1.6	6.0	2.7	0.5	0.4	32.6
07 BECUNE	0	0	0.7	0.7	0.4	0	0	0	0	0	13.7	0.1	15.6
08 CORDONIER	0	0	0	0	0	0	0	0	0	0	0	0	0.0
09 O.TRAP	0	0	0	0	0	0	0	0.1	0.2	0.1	0	0	0.4
10 R.SNAPPER	0.2	0.7	0.1	0.3	0.7	0.1	0.4	0.4	2.2	2.9	1.5	0.4	9.9
11 VARA VARA	0	0	0	0	0.1	0	0	0	0	0	0	0.1	0.2
12 JOB	0.5	0.9	0.2	0.4	0.3	0.6	1.0	4.4	1.1	1.6	2.0	4.0	17.0
13 MACONDE	0.4	1.0	0.4	0.7	1.6	0	0.1	0.3	1.2	1.9	1.5	0.2	9.3
14 O.VIEILLE	0.4	0.3	0.1	0.5	0.4	0	0.2	0.2	0.9	1.4	0.7	0.3	5.4
15 CAPITAIN	2.1	1.6	3.5	1.9	1.4	1.3	1.6	3.4	3.4	5.3	2.7	1.2	29.4
16 SHARK&RAY	0	0.2	0.9	0.4	0.7	0.8	1.8	0.1	0.1	0.9	1.7	0.2	7.8
17 OCTOPUS	0	0	1.0	0.1	0	0.1	0.2	0	0.4	0.3	0.3	0	2.4
18 OTHERS	0.2	0.1	0.1	0.2	0	0	0.2	0.1	0.2	0.1	0.3	0.9	2.4
TOTAL CATCH	37.3	67.2	81.2	80.8	51.8	35.7	28.1	21.8	45.9	35.3	54.5	41.4	581.0

EFFORT

=====

NO.OF BOATS	65.5	66	65.5	61	59.5	56	56	57.5	60.5	56.5	52	56.5	59.4 ‡
T.HOURS OUT	3420	4180	4675	3405	3230	2860	4590	4720	6190	4225	3230	3110	36850
TOTAL MEN	1150	1390	1335	1050	1010	995	1570	1450	2060	1340	1130	1100	14530
T.MAN HOURS	6720	9570	10390	7350	7260	6460	10510	10615	14700	9655	7405	7010	100295

DAILY EFFORT

=====

MEAN CREW	2.2	2.1	2.2	2.1	2.2	2.2	2.2	2.3	2.4	2.3	2.2	2.2	2.2
* HOURS OUT	6.8	6.6	6.6	7.0	6.7	6.3	6.8	7.3	6.9	7.1	6.7	6.9	6.8

CATCH RATES

=====

KG/BOAT TRIP	71.8	131.6	157.6	141.1	130.8	81.4	40.0	34.4	56.7	63.9	102.5	141.4	97.2
KG/MAN HOUR	4.8	9.3	10.8	9.9	9.0	5.9	2.6	2.1	3.5	3.9	6.7	9.0	6.5
KG/MAN DAY	33.0	61.8	71.8	66.2	60.7	37.6	17.8	15.2	24.1	27.6	46.0	63.5	44.3

‡ Denotes mean no. of boats per month

Ann. 1.8 MONTHLY TOTAL CATCH & EFFORT BY BOAT GEAR TYPE BY STRATUM

M A H E 1 9 8 7

BOAT TYPE GEAR	O U T B O A R D F I X S												
SPECIES CODE	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
01 C.BALD	0	0	0	0	0	0	0	0	0	0	0	0	0.0
02 O.CARANX	0	0	0	0	0	0	0	0.1	0	0	0	0	0.1
03 M.DOUX	0	0	0	0	0	0	0	0	0	0	0	0	0.0
04 O.MAQUER	0	0	0	0	0	0	0.1	0	0	0	0.1	0	0.2
05 BONITE	0	0	0	0	0	0	0	0	0	0	0	0	0.0
06 O.PELAGIC	0	0	0	0	0	0	0	0	0	0	0	0	0.0
07 BECUNE	0	0	0	0	0.3	0	0	0	0	0	0	0	0.3
08 CORDONIER	7.9	5.6	3.9	2.9	1.8	3.2	3.1	1.1	1.9	3.6	5.7	4.6	45.3
09 O.TRAP	4.9	5.8	4.8	6.1	4.2	4.9	7.2	4.5	3.5	5.3	6.5	9.3	67.0
10 R.SNAPPER	0	0.2	0.1	0	0	0.1	0	0.1	0	0.1	0.1	0	0.7
11 VARA VARA	0	0	0	0	0	0	0	0	0	0	0	0	0.0
12 JOB	0	0	0	0	0	0	0	0	0	0	0	0	0.0
13 MACONDE	0	0.1	0	0	0	0	0	0	0	0	0	0	0.1
14 O.VIEILLE	0	0	0	0.1	0	0	0	0	0	0	0	0	0.1
15 CAPITAIN	0.7	1.4	1.7	1.0	0.6	0.7	1.3	0.8	0.6	1.5	0.6	0.9	11.8
16 SHARK&RAY	0	0.2	0	0.1	0	0	0	0	0	0	0.1	0.1	0.5
17 OCTOPUS	0.2	0.5	0.4	0.6	0	0	0.1	0	0	0.1	0.2	0.2	2.3
18 OTHERS	0.2	0	0	0.2	0.2	0.2	0	0.2	0.3	0.4	0.4	0	2.1
TOTAL CATCH	13.9	13.8	10.9	11.0	7.1	9.1	11.8	6.8	6.3	11.0	13.7	15.1	130.5
EFFORT													
=====													
NO.OF BOATS	17	19	20	18	18	26.5	27	24.5	25.5	23.5	23	27	22.4 †
T.HOURS OUT	1030	1000	960	800	570	920	1070	765	805	1015	920	1120	10975
TOTAL MEN	710	610	555	390	210	475	630	470	410	560	580	560	6160
T.MAN HOURS	2200	2000	1850	1510	865	1720	1895	1460	1585	1830	1915	2090	20920
TOTAL TRAPS	3115	2790	2870	2760	1940	2190	3050	2040	1940	2565	2610	2910	30780
DAILY EFFORT													
=====													
MEAN CREW	2.1	1.9	1.9	1.8	1.5	1.9	1.7	1.9	1.9	1.8	2.1	1.8	1.9
^ HOURS OUT	3.3	2.9	3.4	3.7	4.3	3.8	3.2	3.5	4.0	3.6	3.8	3.6	3.6
^ TRAPS SET	10.0	9.6	9.7	13.5	14.5	8.4	7.9	7.9	8.7	7.8	8.5	9.2	9.4
CATCH RATES													
=====													
KG/BOAT TRIP	46.1	46.5	37.6	53.9	49.3	34.4	32.7	31.7	31.7	34.5	51.6	47.4	40.6
KG/MAN HOUR	6.8	8.1	5.9	8.9	7.9	4.7	5.6	4.5	3.9	5.3	6.0	7.1	6.1
KG/TRAP	4.6	4.8	3.9	3.9	3.4	4.1	4.1	4.0	3.6	4.4	6.0	5.1	4.3

† Denotes mean no. of boats per month

Ann. 1.9 MONTHLY TOTAL CATCH & EFFORT BY BOAT GEAR TYPE BY STRATUM

M A H E 1 9 8 7

BOAT TYPE GEAR	O U T B O A R D L H P F I X												
SPECIES CODE	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
01 C.BALD	0.6	0.2	0.5	3.7	0	2.2	6.5	0.5	0.5	0.3	0.1	0.4	15.5
02 O.CARANX	0.1	0	0.1	0.1	0.3	0.2	0.3	0.3	0.6	0.4	0.7	0.9	4.0
03 M.DOUX	0	0	0	0	0	0	0	0	0	0	0	0	0.0
04 O.MAQUER	0	0.2	0.4	0.1	0.2	0	0	0	0	0	0	0.1	1.0
05 BONITE	0.4	0.3	0.4	1.1	0.2	0.6	0.3	0.4	1.0	0.5	1.2	0.1	6.5
06 O.PELAGIC	0	0	0.1	0.2	0.8	0.2	0.2	0	0.1	0.1	0	0	1.7
07 BECUNE	0	0	0	0	0	0	0	0	0	0.1	0	0	0.1
08 CORDONIER	2.4	5.0	2.6	7.3	3.7	1.1	1.8	0.7	0.8	2.9	3.3	1.3	32.9
09 O.TRAP	3.4	5.4	4.8	6.2	8.0	1.4	3.9	3.2	1.8	2.8	2.4	2.8	46.1
10 R.SNAPPER	0.1	0.5	0.1	0.4	0.3	0.1	0.1	0.1	0.1	0.3	0.1	0	2.2
11 VARA VARA	0	0	0	0	0	0	0	0	0	0	0	0	0.0
12 JOB	0	0.1	0.1	0.3	0.5	0	0.4	0.7	0.1	0.2	0.2	0.9	3.5
13 MACONDE	0	0.2	1.2	0.6	0.9	0	0.03	0.02	0.1	0.2	0.1	0	3.4
14 D.VIEILLE	0	0.3	0.3	0.2	0.3	0.1	0.02	0.01	0.01	0.1	0.2	0	1.5
15 CAPITAINIE	0.5	2.2	2.6	1.9	1.8	0.3	1.2	0.9	0.3	1.0	0.8	0	13.5
16 SHARK&RAY	0.3	0	0	0	0	0.1	0.2	0.1	0.03	0.04	0.1	0.1	1.0
17 OCTOPUS	0.1	0.7	0.7	1.1	0.1	0	0.2	0.1	0.1	0.3	0.4	0.2	4.0
18 OTHERS	0	0.3	0	0	0.2	0	0.1	0	0	0	0.1	0	0.7
TOTAL CATCH	7.9	15.4	13.9	23.2	17.3	6.3	15.3	7.0	5.5	9.3	9.7	6.8	137.6
EFFORT													
=====													
NO.OF BOATS	30	30	30.5	32.5	30.5	21	30	23.5	20	19.5	22.5	17.5	25.6 †
T.HOURS OUT	1000	1500	1645	2130	2005	800	1930	910	985	1320	1090	970	12445
TOTAL MEN	540	785	728	820	700	355	860	470	490	585	530	450	6493
T.MAN HOURS	2210	3205	3810	4575	4415	1765	4800	2250	2450	4000	2450	2270	33625
TOTAL TRAPS	2040	3540	3050	3440	2680	1250	2190	1430	1500	1980	1855	1450	22965
DAILY EFFORT													
=====													
MEAN CREW	2.2	2.1	2.2	2.1	2.0	2.2	2.4	2.5	2.5	2.3	2.2	2.3	2.2
* HOURS OUT	4.2	4.4	5.0	5.1	5.3	4.9	5.4	5.2	5.2	5.3	4.7	5.1	5.0
* TRAPS SET	8.7	9.1	10.0	8.9	9.0	7.3	6.2	7.7	7.8	7.7	7.9	7.6	8.3
CATCH RATES													
=====													
KG/BOAT TRIP	34.1	45.2	46.2	72.0	56.1	45.1	38.3	44.3	37.0	40.0	45.4	42.0	46.4
KG/MAN HOUR	3.8	4.8	4.2	6.5	5.6	4.1	2.8	3.4	2.8	3.2	4.2	3.6	4.2
KG/MAN DAY	3.9	21.5	21.0	33.9	28.1	20.4	15.8	18.0	15.0	17.3	20.4	18.6	19.9

† Denotes mean no. of boats per month

Ann. 1.10 MONTHLY TOTAL CATCH & EFFORT BY BOAT GEAR TYPE BY STRATUM

M A H E 1 9 8 7

BOAT TYPE
GEARO U T B O A R D
G N C

SPECIES CODE	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
01 C.BALO	0	0	0	0	0	0	0	0	0	0	0	0	0.0
02 D.CARANX	0	0	0	0	0	0	0	0	0	0	0	0	0.0
03 M.DOUX	2.9	0	0	4.5	1.9	0.2	5.8	0	3.2	2.1	10.6	34.8	66.0
04 D.MAQUER	0	3.4	12.1	0	0	0	0	0	1.9	0	3.4	3.0	23.8
05 BONITE	0	0	0	0	0	0	0	0	0	0	0	0	0.0
06 D.PELAGIC	0	0	0	0	0	0	0	0	0	0	0	0	0.0
07 BECUNE	0	0	0	0	0	0	0	0	0	0	0	0	0.0
08 CORDONIER	0	0	0	0	0	0	0	0	0	0	0	0	0.0
09 D.TRAP	0	0	0	0	0	0	0	0	0	0	0	0	0.0
10 R.SNAPPER	0	0	0	0	0	0	0	0	0	0	0	0	0.0
11 VARA VARA	0	0	0	0	0	0	0	0	0	0	0	0	0.0
12 JOB	0	0	0	0	0	0	0	0	0	0	0	0	0.0
13 MACONDE	0	0	0	0	0	0	0	0	0	0	0	0	0.0
14 D.VIEILLE	0	0	0	0	0	0	0	0	0	0	0	0	0.0
15 CAPITAINIE	0	0	0	0	0	0	0	0	0	0	0	0	0.0
16 SHARK&RAY	0	0	0	0	0	0.1	0	0	0.2	0	0	0	0.3
17 OCTOPUS	0	0	0	0	0	0	0	0	0	0	0	0	0.0
18 OTHERS	0.9	0	0	0	0	0	0	0	0	0	0	0	0.9
TOTAL CATCH	3.8	3.4	12.1	4.5	1.9	0.3	5.8	0.0	5.3	2.1	14.0	37.8	91.0
EFFORT													
=====													
NO. OF BOATS	10.5	9	9	9	11	12	6	8	9	9	7	11	9.2 †
T. HOURS OUT	300	1070	465	370	240	40	365	35	140	170	330	530	3980
TOTAL MEN	240	200	290	320	150	30	300	45	120	150	330	660	2835
T. MAN HOURS	910	3130	1570	1290	775	110	1690	180	500	570	1170	2260	14155
TOTAL SETS	110	120	200	110	45	10	90	10	40	50	130	230	1145
DAILY EFFORT													
=====													
MEAN CREW	3.0	3.0	3.3	3.6	3.3	3.0	4.4	5.0	3.6	3.5	3.7	4.4	3.6
" HOURS OUT	3.9	13.6	5.3	4.1	5.2	3.5	5.5	4.0	4.4	3.9	3.8	3.7	5.0
" SETS	1.6	1.6	2.3	1.1	1.0	1.0	1.3	1.0	1.0	1.2	1.6	1.5	1.3
CATCH RATES													
=====													
KG/BOAT TRIP	75.1	50.1	138.9	47.2	39.8	21.4	87.3	0.0	247.3	42.1	244.6	269.3	103.3
KG/MAN HOUR	6.5	1.2	7.7	3.2	2.4	2.0	3.5	0.0	13.0	3.2	15.9	16.8	6.2
KG/SET	46.2	31.3	59.5	41.3	39.8	21.4	65.5	0.0	247.3	35.1	151.8	182.7	75.8

† Denotes mean no. of boats per month

Ann. 1.11 MONTHLY TOTAL CATCH & EFFORT BY BOAT GEAR TYPE BY STRATUM

M A H E 1 9 8 7

BOAT TYPE GEAR	O U T B O A R D G N S												
SPECIES CODE	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
01 C. BALD	0	0			0	0	0	0	0	0	0	0	0.0
02 O. CARANX	0	1.1			0.5	0	0	0	0	0	0	0	1.6
03 M. DOUX	0	0			0	0	0	0	0	0	0	0	0.0
04 O. MAQUER	0.3	0			0	0	0	0	0	0	0	0	0.3
05 BDNITE	0	0			0	0	0	0	0	0	0	0	0.0
06 O. PELAGIC	0	0			0	0	0	0	0	0	0	0	0.0
07 BECUNE	0	0			0	0	0.1	0	0	0	0	0	0.1
08 CORDONIER	0	0			0	0	0	0	0	0	0	0	0.0
09 O. TRAP	0	0			0	0	0	0	0	0	0	0	0.0
10 R. SNAPPER	0	0			0	0	0	0	0	0	0	0	0.0
11 VARA VARA	0	0			0	0	0	0	0	0	0	0	0.0
12 JOB	0	0			0	0	0	0	0	0	0	0	0.0
13 MACONDE	0	0			0	0	0	0	0	0	0	0	0.0
14 O. VIEILLE	0	0			0	0	0	0	0	0	0	0	0.0
15 CAPITAINE	0	0			0	0	0	0	0	0	0	0.5	0.5
16 SHARK&RAY	0.7	1.6			1.2	0.2	0.6	0.4	2.1	1.9	3.4	1.0	13.1
17 OCTOPUS	0	0			0	0	0	0	0	0	0	0	0.0
18 OTHERS	0	0.3			0	0	0	0	0	0	0	0	0.3
TOTAL CATCH	1.0	3.0	0.0	0.0	1.7	0.2	0.7	0.4	2.1	1.9	3.4	1.5	15.9
EFFORT	*****												
NO. OF BOATS	7	6	6	5	4	3.5	3.5	3	3	2	3.5	3	4.1 *
T. HOURS OUT	80	140			130	30	40	65	60	35	60	50	690
TOTAL MEN	100	110			110	20	30	60	50	35	60	50	525
T. MAN HOURS	300	330			390	90	110	190	200	140	240	210	2200
TOTAL SETS	60	40			40	10	10	20	20	10	15	15	240
DAILY EFFORT	*****												
MEAN CREW	3.6	3.5			3.0	3.0	2.7	3.0	3.0				3.2
* HOURS OUT	3.0	2.8			3.5	4.2	3.5	3.7	3.5				3.3
* SETS	2.0	1.0			1.0	1.0	1.0	1.0	1.0				1.2
CATCH RATES	*****												
KG/BOAT TRIP	43.6	41.7			44.8	24.9	47.4	29.9	90.0				44.9
KG/MAN HOUR	3.9	4.9			4.3	2.0	5.2	2.8	8.3				4.4
KG/SET	21.8	41.7			44.8	24.9	47.4	29.0	90.0				39.7

* Denotes mean no. of boats per month

Ann. 1.12 MONTHLY TOTAL CATCH & EFFORT BY BOAT GEAR TYPE BY STRATUM

M A H E 1 9 8 7

BOAT TYPE GEAR	W H A L E R L H P												
SPECIES CODE	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
01 C.BALD	29.8	16.9	23.9	58.6	93.9	151.3	103.3	17.8	29.0	16.8	17.8	42.0	601.1
02 D.CARANX	9.6	22.3	1.5	9.1	4.0	15.9	9.3	12.3	5.9	9.2	18.0	84.5	201.6
03 M.DOUX	0	0	0	0	0	0	0	0	0	0	0	0	0.0
04 D.MAQUER	0	0	0	0	0	0	0	0	0	0	0	0	0.0
05 BOMITE	18.0	14.9	7.7	7.7	6.8	18.3	15.2	1.8	8.0	4.8	4.2	3.7	111.1
06 D.PELAGIC	9.4	3.8	0.7	1.6	2.2	2.5	5.7	1.1	1.2	2.1	1.2	1.5	33.0
07 BECUNE	11.7	7.4	3.8	15.0	6.1	1.1	0.3	0.4	2.2	10.9	4.6	3.6	67.1
08 CORDONIER	0	0	0	0	0	0	0	0	0	0	0.2	0	0.2
09 D.TRAP	0	0	0	0	0	0	0	0	0	0	1.1	0	1.1
10 R.SNAPPER	9.0	41.0	44.9	17.6	13.6	0.5	1.9	1.9	15.7	30.2	12.7	3.2	192.2
11 VARA VARA	11.9	3.2	2.5	2.2	10.0	0.2	0	0.3	4.1	6.9	2.2	2.6	46.1
12 JOB	16.4	12.3	8.5	9.5	11.3	4.3	4.5	4.3	9.3	88.0	11.8	7.6	187.8
13 MACONDE	2.0	6.3	4.3	5.6	3.3	0.1	0.6	0.7	0.5	3.4	4.2	0.5	31.5
14 D.VIEILLE	3.4	6.8	7.9	2.8	2.5	0.2	0.4	0.5	0.9	2.5	2.5	0.5	30.9
15 CAPITAIN	10.4	15.3	11.5	5.4	8.2	2.7	4.6	7.2	7.8	17.9	10.1	3.5	104.6
16 SHARK&RAY	0.1	0	0.3	0.2	2.2	0.3	0	0.9	0.1	0.5	0.1	0.3	5.0
17 OCTOPUS	0	0	0.1	0	0	0	0	0	0	0	0.1	0	0.2
18 OTHERS	0	41.4	0	0.3	0	0	0	0	0.1	0	0	0	41.8
TOTAL CATCH	131.7	191.6	117.6	135.6	164.1	197.4	145.8	49.2	84.8	193.2	90.8	153.5	1655.3
EFFORT													
=====													
NO.OF BOATS	45	42	43	42	43	45	47	46	46.5	48	52	49	45.7 †
T. DAYS OUT	600	800	700	1240	840	535	1840	600	530	800	700	505	9090
TOTAL MEN	2400	2500	2300	1350	1940	2720	3730	2750	2420	2070	2000	1760	27940
T.MAN DAYS	3500	4000	3400	4760	4440	3270	9540	3250	2865	4090	3160	2440	48715
DAILY EFFORT													
=====													
MEAN CREW	5.7	4.8	4.9	4.5	5.0	6.3	5.8	5.5	5.5	5.1	4.7	5.0	5.2
* DAYS OUT	1.3	1.6	1.5	3.0	1.9	1.3	1.4	1.2	1.2	1.6	1.4	2.2	1.6
CATCH RATES													
=====													
KG/BOAT TRIP	291.0	340.0	358.0	484.2	423.7	517.6	220.0	126.8	244.9	280.0	215.6	479.6	328.8
KG/MAN DAY	40.0	45.0	49.0	46.7	45.4	64.7	30.0	19.7	40.1	35.2	32.1	75.4	43.5
KG/MAN TRIP	51.0	70.4	73.5	109.6	84.3	81.7	38.0	22.9	46.6	54.1	46.2	102.6	64.4

† Denotes mean no. of boats per month

Ann. 1.13 MONTHLY TOTAL CATCH & EFFORT BY BOAT GEAR TYPE BY STRATUM

M A H E 1 9 8 7

BOAT TYPE GEAR	W H A L E R F I X S												
SPECIES CODE	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
01 C.BALD	0	0	0	0	0	0	0.1	0	0	0	0	0	0.1
02 D.CARANX	0	0	0.1	0	0	0	0	0	0	0	0	0	0.1
03 M.DOUX	0	0	0	0	0	0	0	0	0	0	0	0	0.0
04 D.MAQUER	0	0.2	0.2	0	0	0	0	0	0	0	0	0	0.4
05 BONITE	0	0	0	0	0	0	0	0	0	0	0	0	0.0
06 D.PELAGIC	0	0	0	0	0	0	0	0	0	0	0	0	0.0
07 BECUNE	0	0	0	0	0	0.9	0	0	0	0	0	0	0.9
08 CORDONIER	0.4	1.0	0.7	0.9	0.4	2.5	0.9	0.5	0.2	0.4	0.1	0.5	8.5
09 D.TRAP	1.0	1.6	1.1	0.8	0.4	0.5	0.7	0.7	0.8	1.1	0.4	1.4	10.5
10 R.SNAPPER	0	0.6	0	0	0	0.1	0	0.2	0.1	0	0	0	1.0
11 VARA VARA	0	0	0	0	0	0	0	0	0	0	0	0	0.0
12 JOB	0	0	0.1	0	0	0	0	0	0	0	0	0	0.1
13 MACONDE	0	0.2	0	0	0	0	0	0	0	0	0	0	0.2
14 D.VIEILLE	0	0.1	0	0	0	0	0	0	0.1	0	0	0	0.2
15 CAPITAINE	0.2	1.7	0.4	0	0	0.2	0.7	0.1	0.6	0.1	0.1	0.1	4.2
16 SHARK&RAY	0	0	0	0	0	0	0	0	0	0	0	0	0.0
17 OCTOPUS	0	0	0	0	0	0	0	0	0	0	0.1	0	0.1
18 OTHERS	0	0.1	0	0.1	0	0.1	0.1	0	0	0.1	0	0.1	0.6
TOTAL CATCH	1.6	5.5	2.6	1.8	0.8	4.3	2.5	1.5	1.8	1.7	0.7	2.1	26.9
EFFORT													

NO.OF BOATS	2	4	4	4	3	4	5	4	2	2	2	3	3.3 *
T. HOURS OUT	115	560	230	220	50	350	355	170	200	190	100	153	1953
TOTAL MEN	80	270	100	65	10	135	180	100	140	80	40	68	1203
T.MAN HOURS	330	1960	530	500	90	780	980	450	565	445	200	321	6651
TOTAL TRAPS	370	1020	595	510	230	790	830	580	780	540	195	544	6984
DAILY EFFORT													

MEAN CREW	2.7	3.0	2.3	2.4	1.5	2.4	2.6	2.5	2.8	2.3	2.0	2.1	2.4
* HOURS OUT	4.1	5.9	5.3	7.0	6.8	5.5	5.6	4.3	3.9	5.3	5.5	4.7	5.4
* TRAPS SET	16.4	18.4	19.0	20.5	31.5	15.9	12.5	14.5	15.0	14.9	9.7	17.0	17.3
CATCH RATES													

KG/BOAT TRIP	91.9	90.4	101.0	83.5	121.5	58.4	38.8	35.6	31.2	53.3	35.5	72.8	68.6
KG/MAN HOUR	8.4	4.9	8.0	7.2	12.2	4.5	2.7	3.2	2.9	4.4	3.2	7.4	5.7
KG/TRAP	5.6	4.9	5.3	4.0	3.9	3.7	3.1	2.5	2.1	3.6	3.7	4.3	3.9

* Denotes mean no. of boats per month

Ann. 1.14 MONTHLY TOTAL CATCH & EFFORT BY BOAT GEAR TYPE BY STRATUM

M A H E 1 9 8 7

BOAT TYPE GEAR	O N F O O T H A R P O O N												
SPECIES CODE	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
01 C.BALO	0	0	0	0	0	0	0	0	0	0	0	0	0.0
02 D.CARANX	0	0	0	0	0	0	0	0	0	0	0	0	0.0
03 M.DOUX	0	0	0	0	0	0	0	0	0	0	0	0	0.0
04 D.MAQUER	0	0	0	0	0	0	0	0	0	0	0	0	0.0
05 BONITE	0	0	0	0	0	0	0	0	0	0	0	0	0.0
06 D.PELAGIC	0	0	0	0	0	0	0	0	0	0	0	0	0.0
07 BECUNE	0	0	0	0	0	0	0	0	0	0	0	0	0.0
08 CORDONIER	0	0	0	0	0	0	0	0	0	0	0	0	0.0
09 D.TRAP	0	0	0	0	0	0	0	0	0	0	0	0	0.0
10 R.SNAPPER	0	0	0	0	0	0	0	0	0	0	0	0	0.0
11 VARA VARA	0	0	0	0	0	0	0	0	0	0	0	0	0.0
12 JOB	0	0	0	0	0	0	0	0	0	0	0	0	0.0
13 MACONDE	0	0	0	0	0	0	0	0	0	0	0	0	0.0
14 D.VIEILLE	0	0	0	0	0	0	0	0	0	0	0	0	0.0
15 CAPITAINE	0	0.2	0	0	0	0	0	0	0	0	0	0	0.2
16 SHARK&RAY	0	0	0	0	0	0	0.3	0	0.2	0	0	0	0.5
17 OCTOPUS	1.3	1.5	0.9	2.2	0.9	0.3	2.0	0.2	0.3	0.8	0.7	0.3	11.4
18 OTHERS	0.2	0	0	0	0	0	0	0	0	0	0	0	0.2
TOTAL CATCH	1.5	1.7	0.9	2.2	0.9	0.3	2.3	0.2	0.5	0.8	0.7	0.3	12.3
EFFORT													

NO.OF BOATS	15	19.5	18	25.5	21.5	17.5	16	12	13.5	18.5	15.5	14	17.2 *
T. HOURS OUT	385	620	525	790	280	90	130	55	110	285	210	145	3625
TOTAL MEN	165	220	165	150	85	50	50	50	50	90	80	80	1235
T.MAN HOURS	385	620	525	790	280	90	130	55	110	285	215	145	3630
DAILY EFFORT													

MEAN CREW	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
* HOURS OUT	2.4	2.7	3.0	5.1	3.4	1.9	3.0	1.5	2.3	3.4	3.0	2.8	3.0
CATCH RATES													

KG/BOAT TRIP	13.0	7.6	5.5	12.9	10.6	6.2	5.6	4.1	4.8	9.2	9.7	12.8	8.8
KG/MAN HOUR	5.4	2.8	1.8	2.6	3.1	3.3	1.9	2.7	2.1	2.7	3.2	3.7	2.9

* Denotes mean no. of boats per month

Ann. 1.15 MONTHLY TOTAL CATCH & EFFORT BY BOAT GEAR TYPE BY STRATUM

M A H E 1 9 8 7

BOAT TYPE GEAR	O N F O O T F I X S												
SPECIES CODE	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
01 C.BALO	0	0	0	0	0	0	0	0	0	0	0	0	0.0
02 D.CARANX	0	0	0	0	0	0	0	0	0	0	0	0	0.0
03 M.DOUX	0	0	0	0	0	0	0	0	0	0	0	0	0.0
04 D.MAQUER	0	0	0	0	0	0	0	0	0	0	0	0	0.0
05 BONITE	0	0	0	0	0	0	0	0	0	0	0	0	0.0
06 D.PELAGIC	0	0	0	0	0	0	0	0	0	0	0	0	0.0
07 BECUNE	0	0	0	0	0	0	0	0	0	0	0	0	0.0
08 CORDONIER	0.2	0.8	0.6	0.2	0.2	0.2	0.3	0.1	0.1	0.6	0.3	0	3.6
09 D.TRAP	0.1	0.2	0.2	0.2	0.1	0	0.2	0.2	0.2	0.2	0.1	0.2	1.9
10 R.SNAPPER	0	0	0	0	0	0	0	0	0	0	0.1	0	0.1
11 VARA VARA	0	0	0	0	0	0	0	0	0	0	0	0	0.0
12 JOB	0	0	0	0	0	0	0	0	0	0	0	0	0.0
13 MACONDE	0	0	0	0	0	0	0	0	0	0	0	0	0.0
14 D.VIEILLE	0	0	0	0	0	0	0	0	0	0	0	0	0.0
15 CAPITAIN	0	0	0	0	0	0	0	0	0	0	0	0	0.0
16 SHARK&RAY	0	0	0	0	0	0	0	0	0	0	0	0	0.0
17 OCTOPUS	0	0	0	0.1	0	0	0.1	0.1	0.2	0.2	0.1	0	0.8
18 OTHERS	0	0	0	0	0	0	0	0	0	0	0	0	0.0
TOTAL CATCH	0.3	1.0	0.8	0.5	0.3	0.2	0.6	0.4	0.5	1.0	0.6	0.2	6.4

EFFORT

NO.OF BOATS	18	16.5	16.5	16.5	16.5	13.5	16.5	19	13	16	17.5	15	16.2 *
T. HOURS OUT	85	485	300	150	75	20	130	145	230	295	210	130	2255
TOTAL MEN	60	225	210	120	80	30	180	110	115	175	150	80	1535
T.MAN HOURS	85	485	300	150	75	20	130	145	250	295	215	130	2280
TOTAL TRAPS	130	495	560	295	180	30	320	220	260	420	355	215	3480

DAILY EFFORT

MEAN CREW	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.2	1.0	1.0	1.0	1.0
" HOURS OUT	1.5	2.3	1.6	1.2	0.9	0.5	0.7	1.3	2.2	1.8	1.4	1.6	1.4
" TRAPS SET	2.0	2.2	2.9	2.4	2.1	1.0	1.7	2.0	2.4	2.5	2.4	2.5	2.2

CATCH RATES

KG/BOAT TRIP	5.9	4.1	3.3	4.2	4.0	7.1	3.5	4.6	4.7	5.9	4.2	2.8	4.5
KG/MAN HOUR	3.9	1.8	2.1	3.4	4.5	14.3	4.9	3.5	2.0	3.4	2.9	1.7	3.9
KG/TRAP	2.9	1.8	1.1	1.7	2.2	7.1	2.1	2.3	1.9	2.4	1.7	1.1	2.3

* Denotes mean no. of boats per month

Ann. 2.1 MONTHLY TOTAL CATCH & EFFORT BY BOAT GEAR TYPE BY STRATUM

P R A S L I N / L A D I G U E

BOAT TYPE
GEARP I R G U E
L H P

SPECIES CODE	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
01 C.BALO	0	0	3.9	0.9	0	0	0.1	0	0	0	0	0.1	5.0
02 D.CARANX	0.4	0.1	0.3	1.0	0.4	0.2	0.1	0	0.2	0.5	0.3	1.5	5.0
03 M.DOUX	0	0	0	0	0	0	0	0	0	0	0	0	0.0
04 O.MAQUER	0	0	0	0	0	0	0	0	0	0	0	0	0.0
05 BONITE	0	0	2.3	0.3	0.1	0	0	0	0	0	0	0	2.7
06 O.PELAGIC	0	0	0	0	0	0	0	0	0	0	0	0	0.0
07 BECUNE	0	0	0	0	0	0	0	0	0	1.4	0.7	0	2.1
08 CORDONIER	0	0	0	0	0	0	0	0	0	0	0	0	0.0
09 O.TRAP	0	0	0.1	0.1	0	0	0	0.5	0	0.1	0	0	0.8
10 R.SNAPPER	0	0.3	0.2	0.9	0.3	0	0	0	0	1.1	0.8	0.1	3.7
11 VARA VARA	0	0	0	0	0	0	0	0	0	0	0	0	0.0
12 JOB	0	0.1	0.3	0	0.2	0	0	0	0	0.3	0.2	0.6	1.7
13 MACONDE	0	0.4	0.4	0.7	0.3	0	0	0	0.1	0.7	0.4	0.3	3.3
14 D.VIEILLE	0	0.1	0.1	0.1	0.1	0	0	0	0	0.4	0.3	0.1	1.2
15 CAPITAINE	0.3	0.2	0.9	2.1	0.3	0.3	0.8	0.4	0.1	0.6	0.4	0.5	6.9
16 SHARK&RAY	0	0	0	0	0	0	0	0	0	0	0	0	0.0
17 OCTOPUS	0	0	0	0	0	0	0.1	0	0	0	0	0	0.1
18 OTHERS	0	0.3	0	0.1	0	0	0	0	0	0	0	0	0.4
TOTAL CATCH	0.7	1.5	8.5	6.2	1.7	0.5	1.1	0.9	0.4	5.1	3.1	3.2	32.8

EFFORT

NO.OF BOATS	23	23	22	24	24	23	23	22	23	22.5	22.5	23.5	23.0 *
T.HOURS OUT	250	430	860	1000	310	430	580	410	175	940	537	700	6622
TOTAL MEN	55	150	250	290	80	160	190	190	35	230	136	180	1946
T.MAN HOURS	300	810	1745	1815	570	660	1005	1090	230	1800	1034	1345	12404

DAILY EFFORT

MEAN CREW	1.2	1.7	2.0	1.8	1.8	1.6	1.7		1.3	1.9		1.9	1.7
* HOURS OUT	5.3	5.2	6.8	6.3	6.8	4.4	5.4		6.3	7.5		8.8	6.3

CATCH RATES

KG/BOAT TRIP	13.9	18.2	68.9	41.7	36.4	6.5	11.9		13.0	41.0		52.1	30.3
KG/MAN HOUR	2.1	2.1	4.9	3.6	2.9	0.9	1.3		1.5	2.8		3.0	2.5
KG/MAN DAY	11.7	10.9	34.5	23.3	19.8	4.1	6.9		9.8	22.2		27.8	17.1

* Denotes mean no. of boats per month

Ann. 2.2 MONTHLY TOTAL CATCH & EFFORT BY BOAT GEAR TYPE BY STRATUM

P R A S L I N / L A D I B U E

BOAT TYPE GEAR	P I R O G U E F I X S												
SPECIES CODE	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
01 C.BALO	0	0	0	0	0	0	0	0	0	0	0	0	0.0
02 O.CARANX	0	0	0	0	0	0	0	0	0	0	0	0	0.0
03 M.DOUX	0	0	0	0	0	0	0	0	0	0	0	0	0.0
04 O.MAQUER	0	0	0	0	0	0	0	0	0	0	0	0	0.0
05 BONITE	0.1	0	0	0	0	0	0	0	0.2	0	0	0	0.3
06 O.PELABIC	0	0	0	0	0	0	0	0	0	0	0	0	0.0
07 BECUNE	0	0	0	0	0	0	0	0	0	0	0	0	0.0
08 CORDONIER	0.4	0.5	0.3	1.3	0.1	0.5	0.7	0.1	1.7	1.3	1.1	1.1	9.1
09 O.TRAP	0.9	1.0	1.1	1.7	1.7	0.3	1.3	0.3	2.0	2.3	3.4	1.7	17.7
10 R.SNAPPER	0	0	0	0	0	0	0	0	0.1	0.1	0.1	0.1	0.4
11 VARA VARA	0	0	0	0	0	0	0	0	0	0	0	0	0.0
12 JOB	0	0	0	0	0	0	0	0	0	0	0	0	0.0
13 MACONDE	0	0	0	0	0	0	0	0	0	0.1	0	0	0.1
14 O.VIEILLE	0	0	0	0	0	0	0.2	0	0.1	0.1	0.1	0	0.5
15 CAPITAINE	0	0.1	0	0	0.1	0.1	0.1	0	0.1	0.1	0.2	0.1	0.9
16 SHARK&RAY	0	0	0	0	0	0	0	0	0	0	0	0	0.0
17 OCTOPUS	0	0	0	0	0	0	0	0	0	0	0.1	0	0.1
18 OTHERS	0	0	0	0	0	0	0	0	0	0	0	0	0.0
TOTAL CATCH	1.4	1.6	1.4	3.0	1.9	0.9	2.3	0.4	4.2	4.0	5.0	3.0	29.1
EFFORT													

NO.OF BOATS	15	15	17.5	20.5	20.5	19.5	16.5	17.5	16.5	19.5	17.5	18.5	17.8 *
T.HOURS OUT	200	200	320	520	490	260	300	160	360	390	630	470	4300
TOTAL MEN	100	100	140	160	275	190	200	60	185	260	300	240	2210
T.MAN HOURS	285	300	370	590	640	400	535	180	570	690	1040	780	6380
TOTAL TRAPS	325	330	390	660	730	505	530	130	770	645	1010	815	6840
DAILY EFFORT													

MEAN CREW	1.3	1.3	1.1	1.1	1.3	1.3	1.5	1.3	1.7	1.7	1.6	1.6	1.4
* HOURS OUT	2.6	2.8	3.1	3.8	2.8	2.1	2.3	2.8	3.4	3.0	3.5	3.6	3.0
* TRAPS SET	4.0	4.0	3.9	4.9	4.1	3.5	4.3	2.5	8.3	5.3	6.1	6.7	4.8
CATCH RATES													

KG/BOAT TRIP	15.2	17.4	13.9	21.6	11.0	7.2	14.8	7.7	47.2	36.4	33.3	28.6	21.1
KG/MAN HOUR	4.4	4.4	3.8	5.0	3.2	2.4	4.2	2.4	8.3	6.9	5.7	4.8	4.6
KG/TRAP	3.8	4.4	3.6	4.4	2.7	2.1	3.4	3.1	5.7	6.9	5.5	4.3	4.1

* Denotes mean no. of boats per month

Ann. 2.3 MONTHLY TOTAL CATCH & EFFORT BY BOAT GEAR TYPE BY STRATUM

P R A S L I N / L A D I B U E

BOAT TYPE
GEARP I R O G U E
F I X A

SPECIES CODE	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
01 C.BALO	0	0	0	0	0		0	0	0	0	0	0	0.0
02 D.CARANX	0	0	0	0	0		0	0	0	0	0	0	0.0
03 M.DOUX	0	0	0	0	0		0	0	0	0	0	0	0.0
04 D.MAQUER	0	0	0	0	0		0	0	0	0	0	0	0.0
05 BONITE	0	0	0	0	0		0	0	0	0	0	0	0.0
06 D.PELAGIC	0	0	0	0	0		0	0	0	0	0	0	0.0
07 BECUNE	0	0	0	0	0		0	0	0	0	0	0	0.0
08 CORDONIER	4.5	2.1	4.7	2.3	1.1		0.5	0.2	0.6	1.8	1.4	0.5	19.7
09 D.TRAP	0.4	0.1	0.4	0.4	0.2		0.2	0.2	0	0.3	0.1	0	2.3
10 R.SNAPPER	0	0	0	0	0		0	0	0	0	0	0	0.0
11 VARA VARA	0	0	0	0	0		0	0	0	0	0	0	0.0
12 JDB	0	0	0	0	0		0	0	0	0	0	0	0.0
13 MACONDE	0	0	0	0	0		0	0	0	0	0	0	0.0
14 D.VIEILLE	0	0	0	0	0		0	0	0	0	0	0	0.0
15 CAPITAINE	0.2	0	0.3	0.3	0.1		0	0.1	0	0	0	0	1.0
16 SHARK&RAY	0	0	0	0	0		0	0	0	0	0	0	0.0
17 OCTOPUS	0	0.1	0.2	0.1	0		0.1	0	0	0	0	0	0.5
18 OTHERS	0	0	0	0	0		0	0	0	0	0	0	0.0
TOTAL CATCH	5.1	2.3	5.6	3.1	1.4	0.0	0.8	0.5	0.6	2.1	1.5	0.5	23.5

EFFORT

NO.OF BOATS	13	11	11	12	11	10	11	10	9	10	11	10	10.8 *
T.HOURS OUT	1120	620	900	560	600		190	240	160	390	400	175	5355
TOTAL MEN	280	140	250	300	130		40	75	660	110	150	70	2205
T.MAN HOURS	1370	650	1210	720	640		190	350	160	390	580	175	6435
TOTAL TRAPS	1240	670	715	835	460		170	125	350	400	350	220	5535

DAILY EFFORT

MEAN CREW	1.4	1.1	1.3	1.4	1.2		1.0	1.7		1.0	1.4	1.0	1.3
* HOURS OUT	4.9	4.3	4.7	3.6	4.7		5.5	4.7		3.6	3.9	2.8	4.3
* TRAPS SET	6.3	5.1	3.8	4.2	3.6		6.5	2.7		4.2	3.7	3.5	4.4

CATCH RATES

KG/BOAT TRIP	28.7	20.2	29.3	17.0	13.9		21.9	9.3		21.1	15.7	8.4	18.9
KG/MAN HOUR	4.4	4.3	4.6	3.8	2.5		4.0	1.2		5.9	2.7	3.1	3.7
KG/TRAP	4.6	4.0	7.8	4.1	3.9		3.4	3.5		5.0	4.2	2.4	4.3

* Denotes mean no. of boats per month

Ann. 2.4 MONTHLY TOTAL CATCH & EFFORT BY BOAT GEAR TYPE BY STRATUM

P R A S L I N / L A D I B U E

BOAT TYPE GEAR	P I R O B U E L H P F I X												
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
SPECIES CODE													
01 C.BALD	0.4	0	0	0	0	0	0	0	0	0	0	0	0.4
02 O.CARANX	0	0.1	0.1	0	0	0	0	0	0	0	0	0.3	0.5
03 M.DOUX	0	0	0	0	0	0	0	0	0	0	0	0	0.0
04 O.MAQUER	0	0	0	0	0	0	0	0	0	0	0	0	0.0
05 BONITE	0	0	0	0	0	0	0	0	0	0	0	0	0.0
06 O.PELAGIC	0	0	0	0	0	0	0	0	0	0	0	0	0.0
07 BECUNE	0	0	0	0	0	0	0	0	0	0	0	0	0.0
08 CORDONIER	1.2	0.7	0.5	1.3	0.1	0.2	0.1	0.7	0.9	0.4	1.1	0.4	7.6
09 O.TRAP	1.1	0.7	0.4	0.3	0.1	0.3	0	0.4	0.4	0.2	0.6	0.3	4.8
10 R.SNAPPER	0	0	0	0	0	0	0	0	0	0	0	0	0.0
11 VARA VARA	0	0	0	0	0	0	0	0	0	0	0	0	0.0
12 JOB	0	0	0	0.1	0.1	0	0	0	0	0	0	0.2	0.4
13 MACONDE	0	0	0.3	0	0	0	0	0	0	0	0	0	0.3
14 O.VIEILLE	0	0	0	0	0	0	0	0	0	0	0	0	0.0
15 CAPITAINE	0.4	0.3	0.3	0.1	0.1	0.2	0.2	0	0	0.1	0.1	0.1	1.9
16 SHARK&RAY	0	0	0	0	0	0	0	0	0	0	0	0	0.0
17 OCTOPUS	0	0.2	0.1	0.2	0	0	0	0	0.1	0.1	0	0	0.7
18 OTHERS	0.2	0	0	0	0	0	0	0	0	0	0	0	0.2
TOTAL CATCH	3.3	2.0	1.7	2.0	0.4	0.7	0.3	1.1	1.4	0.8	1.8	1.3	16.8
EFFORT													

NO.OF BOATS	16	15	13	12	12	15	13	14	15	12	12	11.5	13.4 *
T.HOURS OUT	620	600	620	470	100	180	80	380	460	230	505	125	4370
TOTAL MEN	310	360	220	230	20	80	35	210	235	110	260	50	2120
T.MAN HOURS	1040	960	820	710	130	365	165	560	650	320	800	325	6845
TOTAL TRAPS	1235	1270	1150	810	60	110	80	900	950	435	1050	95	8145
DAILY EFFORT													

MEAN CREW			2.0		1.5	2.0	2.0					2.7	1.6
" HOURS OUT			7.0		5.5	5.3	4.8					6.5	4.6
" TRAPS SET			3.0		3.0	3.5	4.5					5.0	2.9
CATCH RATES													

KG/BOAT TRIP			50.4		20.9	20.6	16.3					64.6	22.1
KG/MAN HOUR			3.6		2.6	2.0	1.7					3.8	2.0
KB/MAN DAY			25.2		13.9	10.3	8.1					24.2	11.7

* Denotes mean no. of boats per month

Ann. 2.5 MONTHLY TOTAL CATCH & EFFORT BY BOAT GEAR TYPE BY STRATUM

P R A S L I N / L A D I G U E

BOAT TYPE
GEARP I R O B U E
G N C

SPECIES CODE	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
01 C.BALO	0	0	0	0	0	0	0	0					0.0
02 D.CARANX	0.6	0.7	0	0.1	0	0	0	0					1.4
03 M.DOUX	4.1	0.1	0.4	0.6	0.2	0	0	0					5.4
04 D.MAQUER	0	0	0.1	0	1.5	0	0	0					1.6
05 BONITE	0	0	0	0	0	0	0	0					0.0
06 D.PELAGIC	0	0	0	0	0	0	0	0					0.0
07 BECUNE	0	0	0	0	0	0	0	0					0.0
08 CORDONIER	0	0	0	0	0	0	0	0					0.0
09 D.TRAP	0	0	0	0	0	0	0	0					0.0
10 R.SNAPPER	0	0	0	0	0	0	0	0					0.0
11 VARA VARA	0	0	0	0	0	0	0	0					0.0
12 JOB	0	0	0	0	0	0	0	0					0.0
13 MACONDE	0	0	0	0	0	0	0	0					0.0
14 D.VIEILLE	0	0	0	0	0	0	0	0					0.0
15 CAPITAINE	0	0	0	0	0	0	0	0					0.0
16 SHARK&RAY	0	0	0	0	0	0	0.1	0.1					0.2
17 OCTOPUS	0	0	0	0	0	0	0	0					0.0
18 OTHERS	0	0	0	0	0	0	0.6	0.4					1.0
TOTAL CATCH	4.7	0.8	0.5	0.7	1.7	0.0	0.7	0.5	0.0	0.0	0.0	0.0	9.6

EFFORT

NO. OF BOATS	2.5	2	2	2	1	1	1.5	1	1	1	1	1	1.4 *
T.HOURS OUT		80	30	20	15	10	20	10					185
TOTAL MEN		120	30	30	45	10	240	160					635
T.MAN HOURS		350	130	85	90	35	120	80					890
TOTAL SETS	10	20	5	10	10	1	80	50					186

DAILY EFFORT

MEAN CREW							6.0						6.0
" HOURS OUT							0.5						0.5
" SETS							2.0						2.0

CATCH RATES

KG/BOAT TRIP							16.9						16.9
KG/MAN HOUR							5.6						5.6
KG/SET							8.5						8.5

* Denotes mean no. of boats per month

Ann. 2.6 MONTHLY TOTAL CATCH & EFFORT BY BOAT BEAR TYPE BY STRATUM

P R A S L I N / L A D I S U E

BOAT TYPE BEAR	O U T B O A R D L H P												
SPECIES CODE	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
01 C.BALO	0.1	6.4	0	1.5	0.8	4.1	5.1	0.9	0.3	0	0.3	5.9	25.4
02 D.CARANX	0.3	0.9	0	0.5	0.8	0.7	0.2	0.1	0.9	1.7	0.5	2.8	9.4
03 M.DOUX	0	0	0	0	0	0	0	0	0	0	0	0	0.0
04 D.MAQUER	0	0	0	0	0	0	0	0	0	0	0	0	0.0
05 BONITE	0.2	1.5	0.2	1.6	1.8	0.8	0.4	0.4	0.1	0.1	0.7	0.2	8.0
06 D.PELAGIC	0.1	0	0	1.2	1.5	1.2	0	0.3	0.1	0	0.5	0	4.9
07 BECUNE	0	0	0	0	0.1	0	0.2	0	0	0.4	0.9	0.8	2.4
08 CORDONIER	0	0	0	0	0	0	0	0	0	0	0	0	0.0
09 D.TRAP	0	0	0	0	0	0	0	0	0	0.1	0	0	0.1
10 R.SNAPPER	0.4	0	1.5	0.6	0.6	0	0.3	0.9	0.2	1.0	0.7	0	6.2
11 VARA VARA	0	0	0	0	0.1	0	0	0	0.1	0.3	0	0	0.5
12 JOB	1.1	0.3	0	0.4	0.2	0.7	1.6	1.8	1.2	1.8	1.5	0.3	10.9
13 MACONDE	0	0	0.9	0.8	0.4	0.2	0.2	0.3	0.1	0.5	1.1	0.1	4.6
14 D.VIEILLE	0	0	0.5	0.2	0.1	0	0.1	0.1	0.2	0.4	0.2	0.1	1.9
15 CAPITAINE	0.9	0.2	1.4	1.6	0.4	0.4	3.1	1.8	1.6	0.9	0.6	1.0	13.9
16 SHARK&RAY	0	0	0	0	0.2	0	0.3	0.1	0	0	0.1	0	0.7
17 OCTOPUS	0	0	0.1	0.1	0	0	0	0	0	0	0.1	0	0.3
18 OTHERS	0.1	0	0	0	0	0	0.2	0.1	0.1	0.1	0	0	0.6
TOTAL CATCH	3.2	9.3	4.6	8.5	7.0	8.1	11.7	6.8	4.9	7.3	7.2	11.2	89.8
EFFORT	*****												
NO.OF BOATS	14	17.5	17.5	13	16.5	18	18	20.5	16.5	16	13	12	16.0 *
T.HOURS OUT	700	710	865	1005	890	1000	2370	1470	1000	1290	1140	755	13195
TOTAL MEN	210	230	250	320	290	380	810	530	310	400	335	260	4325
T.MAN HOURS	1360	1410	1795	2285	1900	2130	5455	3350	2090	2755	2380	1600	28510
DAILY EFFORT	*****												
MEAN CREW	1.8	1.9	2.1	2.2	2.2	2.2	2.3	2.3	2.1	2.1	2.1	2.1	2.1
* HOURS OUT	6.3	6.3	7.1	7.2	6.8	5.9	6.7	6.3	6.8	7.0	7.1	6.9	6.7
CATCH RATES	*****												
KB/BOAT TRIP	27.1	64.0	37.8	53.7	55.5	50.5	33.8	28.8	32.4	37.4	40.5	93.6	45.0
KB/MAN HOUR	2.3	5.4	2.5	3.4	3.8	4.0	2.2	2.0	2.3	2.5	2.7	6.6	3.2
KB/MAN DAY	14.8	33.5	18.1	24.4	25.6	23.5	14.8	12.5	15.4	17.5	19.3	45.2	21.4

* Denotes mean no. of boats per month

Ann. 2.7 MONTHLY TOTAL CATCH & EFFORT BY BOAT GEAR TYPE BY STRATUM

P R A S L I N / L A D I S U E

BOAT TYPE GEAR	O U T B O A R D F I X S												Total
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
SPECIES CODE													
01 C.BALO	0	0	0	0	0	0	0	0	0	0	0	0	0.0
02 D.CARANX	0	0	0	0	0	0	0	0	0	0	0	0	0.0
03 M.DOUX	0	0	0	0	0	0	0	0	0	0	0	0	0.0
04 D.MAQUER	0	0	0	0	0	0	0	0	0	0	0	0	0.0
05 BONITE	0	0	0	0	0	0	0	0	0	0	0	0	0.0
06 D.PELAGIC	0	0	0	0	0	0	0	0	0	0	0	0	0.0
07 BECUNE	0	0	0	0	0	0	0	0	0	0	0	0	0.0
08 CORDONIER	0.5	0.4	1.3	1.4	0.9	0.2	0.3	0.6	1.2	0.8	1.3	2.2	11.1
09 D.TRAP	0.1	0.3	1.9	1.5	2.9	0.2	2.5	1.6	2.4	2.8	3.4	2.5	22.1
10 R.SNAPPER	0	0	0.1	0.2	0	0	0	0	0	0.4	0	0	0.7
11 VARA VARA	0	0	0	0	0	0	0	0	0	0	0	0	0.0
12 JOB	0	0	0	0	0	0	0	0.1	0	0	0.1	0.1	0.3
13 MACONDE	0	0	0	0	0	0	0.1	0	0.1	0.1	0	0.1	0.4
14 D.VIEILLE	0	0	0	0	0	0	0	0	0.1	0	0	0	0.1
15 CAPITAINIE	0	0.1	0	0.2	0.1	0	0.2	0	0.3	0.5	0.2	0.2	1.8
16 SHARK&RAY	0	0	0	0	0	0	0	0	0	0	0	0	0.0
17 OCTOPUS	0	0	0	0	0	0	0	0	0.1	0	0	0	0.1
18 OTHERS	0	0	0	0	0	0	0	0	0	0	0	0.1	0.1
TOTAL CATCH	0.6	0.8	3.3	3.3	3.9	0.4	3.1	2.3	4.2	4.6	5.0	5.2	36.7
EFFORT													

NO.OF BOATS	6	6	8	9	9	6	8	8	9	8	13.5	11	8.5 *
T.HOURS OUT	50	90	400	540	430	40	405	400	600	560	750	745	5010
TOTAL MEN	25	100	150	270	225	25	220	190	290	270	335	350	2180
T.MAN HOURS	60	160	625	1120	990	50	790	800	1170	1055	1290	1360	8350
TOTAL TRAPS	70	150	650	660	660	60	630	835	1030	980	1190	1225	8140
DAILY EFFORT													

MEAN CREW	1.3	1.8	1.6	2.0	2.1	1.3	1.9	1.8	1.9	1.9	1.6	1.9	1.8
* HOURS OUT	2.3	2.3	4.0	4.1	4.1	2.0	3.7	3.9	3.9	4.0	3.9	4.0	3.6
* TRAPS SET	3.3	3.5	6.5	4.9	5.9	3.3	5.5	7.6	6.7	6.9	6.0	6.5	5.7
CATCH RATES													

KG/BOAT TRIP	28.3	15.3	34.3	25.9	32.6	18.1	29.2	19.6	28.7	34.4	27.3	27.7	27.3
KG/MAN HOUR	9.4	4.0	5.1	3.1	3.8	6.8	3.8	2.7	3.8	4.5	4.2	3.7	4.4
KG/TRAP	8.5	4.4	5.3	5.2	5.6	5.4	5.3	2.6	4.3	5.0	4.6	4.3	4.9

* Denotes mean no. of boats per month

Ann. 2.B MONTHLY TOTAL CATCH & EFFORT BY BOAT GEAR TYPE BY STRATUM

P R A S L I N / L A D I G U E

BOAT TYPE GEAR	O U T B O A R D F I X A												
SPECIES CODE	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
01 C.BALO	0	0	0	0	0		0	0	0	0	0	0	0.0
02 O.CARANX	0	0	0	0	0		0	0	0	0	0	0	0.0
03 M.DOUX	0	0	0	0	0		0	0	0	0	0	0	0.0
04 O.MAQUER	0	0	0	0	0		0	0	0	0	0	0	0.0
05 BONITE	0	0	0	0	0		0	0	0	0	0	0	0.0
06 O.PELAGIC	0	0	0	0	0		0	0	0	0	0	0	0.0
07 BECUNE	0	0	0	0	0		0	0	0	0	0	0	0.0
08 CORDONIER	0.6	0.1	0.5	0.4	0.5		0.1	0.1	0.1	7.4	5.5	2.8	18.1
09 O.TRAP	0.3	0	0.5	0.4	0.5		0.1	0.1	0.1	1.3	0.6	0.8	4.7
10 R.SNAPPER	0	0	0	0	0		0	0	0	0	0	0	0.0
11 VARA VARA	0	0	0	0	0		0	0	0	0	0	0	0.0
12 JOB	0	0	0	0	0		0	0	0	0	0	0	0.0
13 MACONDE	0	0	0	0	0		0	0	0	0	0	0	0.0
14 O.VIEILLE	0	0	0	0	0		0	0	0	0	0	0	0.0
15 CAPITAINE	0.1	0	0	0	0		0.1	0	0	0.5	0.1	0.1	0.9
16 SHARK&RAY	0	0	0	0	0		0	0	0	0	0	0	0.0
17 OCTOPUS	0	0	0	0	0		0	0	0	0.2	0	0	0.2
18 OTHERS	0	0	0	0	0		0	0	0	0	0	0	0.0
TOTAL CATCH	1.0	0.1	1.0	0.8	1.0	0.0	0.3	0.2	0.2	9.4	6.2	3.7	23.9
EFFORT *****													
NO.OF BOATS	8	5	5	4	5	4	6	5	5	11	8	10	6.3 *
T.HOURS OUT	190	20	190	150	190		120	30	30	905	560	485	2870
TOTAL MEN	75	15	85	70	85		30	135	135	350	170	170	1320
T.MAN HOURS	320	50	320	255	320		160	100	100	1720	875	745	4965
TOTAL TRAPS	230	30	215	175	220		120			1235	605	585	3415
DAILY EFFORT *****													
MEAN CREW	1.8	2.0	1.5				1.3			1.8	1.5	1.6	1.7
° HOURS OUT	4.2	3.0	3.5				5.0			4.9	4.8	4.5	4.4
° TRAPS SET	5.1	4.0	4.3				5.0			6.5	5.0	5.6	5.3
CATCH RATES *****													
KG/BOAT TRIP	20.6	10.9	18.2				13.4			52.7	49.4	37.0	32.7
KG/MAN HOUR	2.8	1.8	3.5				2.0			5.9	6.8	5.1	4.4
KG/TRAP	4.0	2.7	4.3				2.7			8.2	9.9	6.6	6.0

* Denotes mean no. of boats per month

Ann. 2.9 MONTHLY TOTAL CATCH & EFFORT BY BOAT GEAR TYPE BY STRATUM

P R A S L I N / L A D I S B U E

BOAT TYPE
GEARO U T B O A R D
L H P F I X

SPECIES CODE	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
01 C.BALD	0.2	0	0	0.1	3.3	0	0.3	0.1	0	0	0.3	0.4	4.7
02 O.CARANX	0	0	0	0	0	0.1	0	0	0	0	0	0.5	0.6
03 M.DOUX	0	0	0	0	0	0	0	0	0	0	0	0	0.0
04 O.MAQUER	0	0.1	0	0	0	0	0	0	0	0	0	0	0.1
05 BONITE	0.1	0.1	0	0	0	0	0	0	0	0	0.1	0	0.3
06 O.PELAGIC	0	0	0	0.1	0	0	0	0	0	0	0	0.2	0.3
07 BECUNE	0	0	0	0.1	0	0	0	0	0	0	0.1	0	0.2
08 CORDONIER	0.8	1.7	1.0	0.6	0.2	0.2	0	0.1	0.4	0.1	0.4	0.2	5.7
09 O.TRAP	1.1	2.2	0.7	1.8	1.0	0.4	0.3	0.4	0.8	0.2	0.6	0.8	10.3
10 R.SNAPPER	0	0.1	0	1.0	0.6	0.2	0	0	0.2	0	2.9	0.9	5.9
11 VARA VARA	0	0	0	0	0	0	0	0	0	0	0	0	0.0
12 JOB	0	0	0	0.2	0.5	0	0.1	0.1	0.2	0	0.4	0.2	1.7
13 MACONDE	0	0.1	0.4	0.7	0.4	0.2	0	0	0.1	0.2	0.3	0	2.4
14 O.VIEILLE	0.01	0.03	0.1	0.3	0.2	0.03	0.04	0.01	0.01	0	0.04	0.1	0.9
15 CAPITAINE	0.2	0.8	1.1	1.1	0.5	0.5	0.7	0.1	0.7	0	0.1	0.2	6.0
16 SHARK&RAY	0.1	0	0	0	0	0	0	0	0.1	0	0	0	0.2
17 OCTOPUS	0	0.3	0	0	0	0	0	0	0.1	0	0.1	0	0.5
18 OTHERS	0	0.1	0	0.1	0	0	0	0	0.1	0	0	0	0.3
TOTAL CATCH	2.5	5.5	3.3	6.1	6.7	1.6	1.4	0.8	2.7	0.5	5.3	3.5	40.1
EFFORT =====													
NO.OF BOATS	10	8.5	10.5	13.5	10	8	6	3	7	4	6	6.5	7.8 *
T.HOURS OUT	330	560	290	595	490	265	130	110	460	75	425	310	4040
TOTAL MEN	180	305	75	200	195	105	50	60	160	20	115	120	1585
T.MAN HOURS	735	1210	575	1310	1160	530	260	270	800	150	910	715	8625
TOTAL TRAPS	680	1385	250	440	366	285	130	175	400	65	190	280	4646
DAILY EFFORT =====													
MEAN CREW			2.0	2.2	2.3	2.0	2.0		1.7	2.0	2.2	2.2	2.1
* HOURS OUT			7.6	6.9	6.3	4.9	5.0		4.6	7.0	8.7	5.8	6.4
* TRAPS SET			6.5	5.0	4.7	5.4	4.7		4.3	6.0	3.4	5.4	5.1
CATCH RATES =====													
KG/BOAT TRIP			84.8	70.4	88.0	29.8	52.6		27.3	53.2	77.7	45.7	62.1
KG/MAN HOUR			5.7	4.8	6.1	3.0	8.3		3.3	3.8	4.1	3.5	4.8
KG/MAN DAY			42.4	32.3	37.7	14.9	26.3		15.8	26.6	35.3	20.5	29.3

* Denotes mean no. of boats per month

Ann. 2.10 MONTHLY TOTAL CATCH & EFFORT BY BOAT GEAR TYPE BY STRATUM

P R A S L I N / L A D I G U E

BOAT TYPE GEAR	O U T B O A R D G N C												
SPECIES CODE	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
01 C.BALD	0	0	0	0	0	0	0	0	0	0	0	0	0.0
02 O.CARANX	0	0	0	0	0	0	0	0	0	0	0	0	0.0
03 M.DOUX	0.6	2.3	0	0	0	0.1	3.8	1.0	0.6	0	3.3	3.7	15.4
04 O.MAQUER	1.1	5.0	2.3	3.8	0	0	0	0	0	7.7	3.3	8.2	31.4
05 BONITE	0	0	0	0	0	0	0	0	0	0	0	0	0.0
06 O.PELAGIC	0	0	0	0	0	0	0	0	0	0	0	0	0.0
07 BECUNE	0	0	0	0	0	0	0	0	0	0	0	0	0.0
08 CORDONIER	0	0	0	0	0	0	0	0	0	0	0	0	0.0
09 O.TRAP	0	0	0	0	0	0	0	0	0	0	0	0	0.0
10 R.SNAPPER	0	0	0	0	0	0	0	0	0	0	0	0	0.0
11 VARA VARA	0	0	0	0	0	0	0	0	0	0	0	0	0.0
12 JOB	0	0	0	0	0	0	0	0	0	0	0	0	0.0
13 MACONDE	0	0	0	0	0	0	0	0	0	0	0	0	0.0
14 O.VIEILLE	0	0	0	0	0	0	0	0	0	0	0	0	0.0
15 CAPITAINE	0	0	0	0	0	0	0	0	0	0	0	0	0.0
16 SHARK&RAY	0	0	0.1	0	0	0.05	0	0	0	0	0	0	0.2
17 OCTOPUS	0	0	0	0	0	0	0	0	0	0	0	0	0.0
18 OTHERS	0	0	0	0	0	0	0	0	0	0	0	0	0.0
TOTAL CATCH	1.7	7.3	2.4	3.8	0.0	0.2	3.8	1.0	0.6	7.7	6.6	11.9	47.0
EFFORT													

NO.OF BOATS	5.5	5	5	5	6	5	3.5	5.5	5	6.5	5.5	5	5.2 *
T.HOURS OUT	100	290	150	105	110	15	240	380	380	120	170	200	2260
TOTAL MEN	70	250	170	100	100	10	205	320	300	110	160	145	1940
T.MAN HOURS	360	985	605	350	450	45	1150	1810	1310	390	600	710	8765
TOTAL SETS	20	75	40	30	25	5	60	90	85	30	40	80	580
DAILY EFFORT													

MEAN CREW	3.7	3.4	4.0	3.0	4.0				3.3	3.5	3.7	3.3	3.6
* HOURS OUT	5.0	4.0	3.5	3.5	4.5				4.5	3.5	3.8	4.7	4.1
*SETS	1.0	1.0	1.0	1.0	1.0				1.0	1.0	1.0	1.7	1.1
CATCH RATES													

KG/BOAT TRIP	82.3	122.5	54.7	144.2	0.0				4.3	226.0	151.6	253.6	116.5
KG/MAN HOUR	4.5	8.9	3.9	13.7	0.0				0.3	18.8	11.1	15.9	8.7
KG/SET	82.3	122.5	54.7	144.2	0.0				4.3	226.0	151.6	152.2	106.1

* Denotes mean no. of boats per month

Ann. 2.11 MONTHLY TOTAL CATCH & EFFORT BY BOAT GEAR TYPE BY STRATUM

P R A S L I N / L A D I G U E

BOAT TYPE GEAR	O U T B O A R D G N S												
SPECIES CODE	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
01 C.BALD	0	0			0	0	0	0	0	0	0		0.0
02 O.CARANX	0	0.4			0.1	0	0	0	0	0	0		0.5
03 M.DOUX	0	0			0	0	0	0	0	0	0		0.0
04 O.MAQUER	0	0			0	0	0	0	0	0	0		0.0
05 BONITE	0	0			0	0	0	0	0	0	0		0.0
06 O.PELAGIC	0	0			0	0	0	0	0	0	0		0.0
07 BECUNE	0	0			0	0	0	0	0	0	0		0.0
08 CORDONIER	0	0			0	0	0	0	0	0	0		0.0
09 O.TRAP	0	0			0	0	0	0	0	0	0		0.0
10 R.SNAPPER	0	0			0	0	0	0	0	0	0		0.0
11 VARA VARA	0	0			0	0	0	0	0	0	0		0.0
12 JOB	0	0			0	0	0	0	0	0	0		0.0
13 MACONDE	0	0			0	0	0	0	0	0	0		0.0
14 O.VIEILLE	0	0			0	0	0	0	0	0	0		0.0
15 CAPITAINE	0	0			0	0	0	0	0	0	0		0.0
16 SHARK&RAY	0	0.5			0.3	0.1	1.4	0.1	0.7	0.7	0.7		4.5
17 OCTOPUS	0	0			0	0	0	0	0	0	0		0.0
18 OTHERS	0.1	1.0			0	0	0.1	0	0	0	0		1.2
TOTAL CATCH	0.1	1.9	0.0	0.0	0.4	0.1	1.5	0.1	0.7	0.7	0.7	0.0	6.2
EFFORT													

NO.OF BOATS	1	1	1	1	1	2	2	1	1	1	1	1	1.2 *
T.HOURS OUT	20	40			30	10	50	20	20	20	20		230
TOTAL MEN	20	20			30	10	80	20	20	20	20		240
T.MAN HOURS	50	80			100	15	160	60	70	70	70		675
TOTAL SETS	1	10			10	5	30	10	5	5	5		81
DAILY EFFORT													

MEAN CREW	3.0					2.0	3.0						2.6
* HOURS OUT	3.0					1.5	2.0						2.0
* SETS	1.0					1.0	1.0						1.0
CATCH RATES													

KG/BOAT TRIP	15.0					13.4	57.7						31.4
KG/MAN HOUR	1.7					4.5	9.6						6.0
KG/SET	15.0					13.4	57.7						31.4

* Denotes mean no. of boats per month

Ann. 2.12 MONTHLY TOTAL CATCH & EFFORT BY BOAT GEAR TYPE BY STRATUM

P R A S L I N / L A D I B U E

BOAT TYPE
GEARW H A L E R
L H P

SPECIES CODE	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
01 C.BALO	5.0	0.1	5.9	0	0	1.3	0	3.1	0.1	0	0.3	1.0	16.8
02 O.CARANX	1.6	0.4	0.4	0.1	0	0.3	0	2.9	0.2	0	0	7.5	13.4
03 M.DOUX	0	0	0	0	0	0	0	0	0	0	0	0	0.0
04 O.MAQUER	0	0	0	0	0	0	0	0	0	0	0	0	0.0
05 BONITE	3.0	0.3	2.1	0.3	0	0.1	0	0.6	0.6	0	0.2	0.4	7.6
06 O.PELAGIC	1.6	0	0.1	0.2	0	0	0	0.5	0.7	0	0.1	0.1	3.3
07 BECUNE	2.0	0	0.5	1.4	0	0	0	0	0	0	0	0.2	4.1
08 CORDONIER	0	0	0	0	0	0	0	0	0	0	0	0	0.0
09 D.TRAP	0	0	0	0	0.1	0	0	0	0	0	0	0	0.1
10 R.SNAPPER	1.5	2.0	8.7	9.9	0.7	0	0.1	0.3	1.0	1.4	0.9	1.7	28.2
11 VARA VARA	2.0	0	0.8	1.2	0	0	0	0	0.3	0	0.1	0.1	4.5
12 JOB	2.7	0	2.3	0.4	0	0	0.1	0.9	0.4	0	2.1	0.6	9.5
13 MACONDE	0.3	1.1	1.1	5.5	1.3	0	0.1	0.1	0.3	3.1	0.8	1.2	14.9
14 O.VIEILLE	0.6	0.5	2.1	3.6	0.4	0	0.4	0.1	0.5	0.5	0.6	0.4	9.7
15 CAPITAINE	1.7	0.1	2.7	2.3	1.2	0	0.7	1.6	0.6	0.4	0.8	0.5	12.6
16 SHARK&RAY	0	0	0	0	0	0	0	0	0	0	0	0.1	0.1
17 OCTOPUS	0	0	0	0	0	0	0	0	0	0	0	0	0.0
18 OTHERS	0	0	0	0	0	0	0.1	0	0.1	0	0	0	0.2
TOTAL CATCH	22.0	4.5	26.7	24.9	3.7	1.7	1.5	10.1	4.8	5.4	5.9	13.8	125.0
EFFORT *****													
NO.OF BOATS	7.5	10.5	10.5	12.5	9.5	9.3	9.5	9	9	10	8.5	9.5	9.6 *
T.DAYS OUT	180	80	250	290	60	5	35	160	60	45	90	125	1380
TOTAL MEN	390	100	330	390	75	30	35	815	315	70	170	60	2780
T.MAN DAYS	640	230	720	870	190	30	70	970	330	140	300	220	4710
TOTAL													
DAILY EFFORT *****													
MEAN CREW		3.0		3.2	3.0		2.0			2.7	3.7	3.9	3.1
" DAYS OUT		2.0		2.3	2.5		2.0			1.7	1.7	1.7	2.0
CATCH RATES *****													
KG/BOAT TRIP		139.4		199.5	151.0		80.7			198.1	110.2	426.0	187.5
KG/MAN DAY		23.0		28.0	20.0		20.2			37.2	19.3	65.5	30.5
KG/MAN TRIP		46.5		63.2	50.4		40.3			74.3	29.7	108.4	59.5

* Denotes mean no. of boats per month

Ann. 2.13 MONTHLY TOTAL CATCH & EFFORT BY BOAT GEAR TYPE BY STRATUM

P R A S L I N / L A D I S U E

BOAT TYPE
GEARW H A L E R
F I X S

SPECIES CODE	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
01 C. BALO	0				0	0	0	0	0	0	0	0	0.0
02 O. CARANX	0				0	0	0	0	0	0	0	0	0.0
03 M. DOUX	0				0	0	0	0	0	0	0	0	0.0
04 O. MAQUER	0				0	0	0	0	0	0	0	0	0.0
05 BONITE	0				0	0	0.2	0	0	0	0	0	0.2
06 O. PELAGIC	0				0	0	0	0	0	0	0	0	0.0
07 BECUNE	0				0	0	0	0	0	0	0	0	0.0
08 CORDONIER	0.1				0.1	0	0.6	0.8	1.9	0.4	0.1	0.3	4.3
09 O. TRAP	0				0.1	0.1	1.7	1.0	3.3	2.8	1.6	0.5	11.1
10 R. SNAPPER	0				0	0	0	0	0.1	0.1	0.03	0	0.2
11 VARA VARA	0				0	0	0	0	0	0	0	0	0.0
12 JOB	0				0	0	0	0	0	0	0.01	0	0.0
13 MACONDE	0				0	0	0	0	0	0	0	0	0.0
14 O. VIEILLE	0				0	0	0	0.1	0.1	0	0.1	0.1	0.4
15 CAPITAINE	0				0	0.1	0.4	0.1	0.1	0.1	0.1	0	0.9
16 SHARK&RAY	0				0	0	0	0	0	0	0	0	0.0
17 OCTOPUS	0				0	0	0	0	0	0	0	0	0.0
18 OTHERS	0				0	0	0	0.1	0	0	0	0	0.1
TOTAL CATCH	0.1	0.0	0.0	0.0	0.2	0.2	2.9	2.1	5.5	3.4	1.9	0.9	17.2
EFFORT *****													
NO. OF BOATS	1				1	1	2	1	2	1	1	0.5	1.2 *
T. DAYS OUT	20				15	40	270	110	130	120	110	40	855
TOTAL MEN	10				20	10	145	110	130	110	105	30	670
T. MAN DAYS	40				30	80	810	500	730	590	600	170	3550
TOTAL TRAPS	30				25	20	480	410	565	520	260	100	2410
DAILY EFFORT *****													
MEAN CREW	2.0				3.0	2.0	3.0	4.3	5.8	5.0	5.5	4.0	3.9
" DAYS OUT	4.0				2.5	6.0	5.2	4.7	5.5	5.6	5.6	5.0	5.0
" TRAPS	6.0				4.0	3.0	11.6	16.3	24.8	24.3	13.8	12.0	13.9
CATCH RATES *****													
KG/BOAT TRIP	21.2				17.2	37.2	77.4	78.9	242.6	156.1	100.6	111.5	105.4
KG/MAN DAY	2.6				2.3	3.1	5.0	3.9	7.6	5.7	3.2	5.6	4.6
KG/TRAP	3.5				4.3	12.4	6.7	4.8	9.8	6.4	7.3	9.3	7.3

* Denotes mean no. of boats per month

Ann. 2.14 MONTHLY TOTAL CATCH & EFFORT BY BOAT GEAR TYPE BY STRATUM

P R A S L I N / L A D I B U E

BOAT TYPE
GEARO N F O O T
H A R P O O N

SPECIES CODE	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
01 C.BALO	0	0	0	0	0	0	0	0	0	0	0	0	0.0
02 O.CARANX	0	0	0	0	0	0	0	0	0	0	0	0	0.0
03 M.DOUX	0	0	0	0	0	0	0	0	0	0	0	0	0.0
04 O.MAQUER	0	0	0	0	0	0	0	0	0	0	0	0	0.0
05 BONITE	0	0	0	0	0	0	0	0	0	0	0	0	0.0
06 O.PELAGIC	0	0	0	0	0	0	0	0	0	0	0	0	0.0
07 BECUNE	0	0	0	0	0	0	0	0	0	0	0	0	0.0
08 CORDONIER	0	0	0	0	0	0	0	0	0	0	0	0	0.0
09 O.TRAP	0	0	0	0	0	0	0	0	0	0	0	0	0.0
10 R.SNAPPER	0	0	0	0	0	0	0	0	0	0	0	0	0.0
11 VARA VARA	0	0	0	0	0	0	0	0	0	0	0	0	0.0
12 JOB	0	0	0	0	0	0	0	0	0	0	0	0	0.0
13 MACONDE	0	0	0	0	0	0	0	0	0	0	0	0	0.0
14 O.VIEILLE	0	0	0	0	0	0	0	0	0	0	0	0	0.0
15 CAPITAINE	0	0	0	0	0	0	0	0	0	0	0	0	0.0
16 SHARK&RAY	0.7	0.3	0	0	0	0	0	0	0.1	0	0	0	1.1
17 OCTOPUS	0.9	2.2	3.7	6.9	3.2	0.1	0.04	1.4	2.4	6.3	1.7	0.5	29.3
18 OTHERS	0	0	0	0	0	0	0	0	0	0	0	0	0.0
TOTAL CATCH	1.6	2.5	3.7	6.9	3.2	0.1	0.04	1.4	2.5	6.3	1.7	0.5	30.4
EFFORT *****													
NO.OF BOATS	11	14	17	27	11	4	4	10	24	20	13	6.5	13.5 *
T.DAYS OUT	465	660	980	1520	800	20	30	430	960	2020	640	200	8725
TOTAL MEN	140	200	240	355	190	10	20	180	240	425	160	50	2210
T.MAN DAYS	465	660	980	1520	800	20	50	590	960	2020	640	200	8905
DAILY EFFORT *****													
MEAN CREW	1.0	1.0	1.0	1.0	1.0	1.0	2.0	1.3	1.0	1.0	1.0	1.0	1.0
* DAYS OUT	3.3	3.2	4.1	4.4	4.4	2.0	2.5	3.1	4.3	4.9	4.3	4.2	4.0
CATCH RATES *****													
KG/BOAT TRIP	9.9	12.1	15.7	20.9	19.2	9.5	4.0	12.0	10.7	16.0	12.3	9.7	14.2
KG/MAN HOUR	3.0	3.7	3.8	4.8	4.4	4.8	0.8	2.8	2.5	3.2	2.9	2.3	3.4

* Denotes mean no. of boats per month

Ann. 2.15 MONTHLY TOTAL CATCH & EFFORT BY BOAT GEAR TYPE BY STRATUM

P R A S L I N / L A D I B U E

BOAT TYPE GEAR	O N F O O T F I X S												
SPECIES CODE	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
01 C.BALO	0	0	0	0	0	0	0	0	0	0	0	0	0.0
02 O.CARANX	0	0	0	0	0	0	0	0	0	0	0	0	0.0
03 M.DOUX	0	0	0	0	0	0	0	0	0	0	0	0	0.0
04 O.MAQUER	0	0	0	0	0	0	0	0	0	0	0	0	0.0
05 BONITE	0	0	0	0	0	0	0	0	0	0	0	0	0.0
06 O.PELAGIC	0	0	0	0	0	0	0	0	0	0	0	0	0.0
07 BECUNE	0	0	0	0	0	0	0	0	0	0	0	0	0.0
08 CORDONIER	0.3	0.1	0.3	0	0	0.1	0	0	0.2	0	0.1	0	1.1
09 O.TRAP	0	0.1	0.1	0.1	0.1	0	0.02	0.01	0.1	0.1	0	0.2	0.8
10 R.SNAPPER	0	0	0	0	0	0	0	0	0	0	0	0	0.0
11 VARA VARA	0	0	0	0	0	0	0	0	0	0	0	0	0.0
12 JOB	0	0	0	0	0	0	0	0	0	0	0	0	0.0
13 MACONDE	0	0	0	0	0	0	0	0	0	0	0	0	0.0
14 O.VIEILLE	0	0	0	0	0	0	0	0	0	0	0	0	0.0
15 CAPITAINE	0	0	0	0	0	0	0	0	0	0	0	0	0.0
16 SHARK&RAY	0	0	0	0	0	0	0	0	0	0	0	0	0.0
17 OCTOPUS	0	0	0	0	0	0	0	0	0	0	0	0	0.0
18 OTHERS	0	0	0	0	0	0	0	0	0	0	0	0	0.0
TOTAL CATCH	0.3	0.2	0.4	0.1	0.1	0.1	0.02	0.01	0.3	0.1	0.1	0.2	1.9
EFFORT													

NO.OF BOATS	3	3	3	2	1.5	4	5	5	6	4	5	6	4.0 *
T.HOURS OUT	30	30	50	20	30	10	10	10	20	35	65	20	330
TOTAL MEN	60	35	50	10	15	20	15	20	40	10	50	35	360
T.MAN HOURS	30	30	50	20	30	10	10	10	20	35	65	20	330
TOTAL TRAPS	90	70	100	20	45	40	15	40	40	15	110	40	625
DAILY EFFORT													

MEAN CREW	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0		1.0	1.0
* HOURS OUT	0.5	0.8	1.0	1.5	2.0	0.8	0.5	0.5	0.5	5.0		0.5	1.1
* TRAPS SET	1.3	2.0	2.0	2.0	3.0	2.0	1.0	2.0	1.0	2.0		1.5	1.7
CATCH RATES													

KG/BOAT TRIP	5.5	5.3	6.7	8.0	9.0	2.5	1.2	0.4	6.3	9.8		6.7	5.1
KG/MAN HOUR	11.0	7.0	6.7	5.3	4.5	3.3	2.4	0.8	14.0	2.0		13.3	6.9
KG/TRAP	4.4	2.6	3.3	4.0	3.0	1.2	1.2	0.2	6.3	4.9		4.4	3.3

* Denotes mean no. of boats per month