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Final

A summary of the
catch, fishing effort data and species composition
collected by the DA/BFAR-ICLARM
Small Pelagics Management Project^a

by

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Abstract

Catch, fishing effort, catch composition and species composition of small pelagic landings were monitored at six sites in the Philippines between 1987 to 1988. This data volume presents total monthly catch and fishing effort plus catch composition for all gears monitored over this period. Since commercial fishing vessels of a single type may vary greatly in gross tonnage, percentage contribution to the catches by different tonnage classes are given separately.

OCT 27 '88

Introduction

This data volume summarizes information on catch and fishing effort for Philippine small pelagic fisheries between February 1987 to March 1988. The data were collected during the sampling period of the Small Pelagics Management project. This project was established by the Department of Agriculture and the Bureau of Fisheries and Aquatic Resources with the International Center for Living Aquatic Resources Management as the executing agency. Small pelagic fishes comprise about 25% of the total fish landings in the Philippines and are a cheap plentiful source of protein to poor 70% majority of the population. Despite the social and economic importance of these fishes, little contemporary data has been gathered on catch rates and catch composition. These data are important to determine stock assessment parameters for exploited fish populations and to cost and earnings of different vessel/gear type combinations.

Sampling of small pelagic landings was done at six fish landing sites in the Philippines. The locations of the six sites are shown in Fig. 1, along with the associated fishing grounds. The figures in parenthesis in Fig. 1 refer to the number of gears for which data were collected. In all, records of the landings of small pelagics caught by 22 different gear types were recorded. The records for the different data sets vary in quality considerably, particularly where sampling teams were faced with a large variety of gears. Effort is generally

recorded in hauls, except for six municipal gears where hours or days spent fishing were reported instead. These data sets are in any case marginal and of little use.

The total recorded catch and fishing effort for commercial and municipal gears are summarized on a monthly basis and presented as sets of tables following this short text. No effort data was recorded for vessels landing fish at the Navotas Fish Port Complex near Manila. All landings came from carrier vessels which service the various fishing boats. The catch is broken down into familial or generic groupings using the common English names. Since these are abbreviated, a key to the common and scientific names is given in Table 1. Where no catch composition data were available, then these catches are recorded separately. This was a particular problem with the data on trawl and purse seine landings in Bacolod. A companion to this data volume will be produced later which details species composition by gear month and location based on the sample data.

It is important to understand that in the following summaries, catch and effort data are not broken down into vessel size classes other than the conventional separation into commercial and municipal vessel/gears. 'Commercial' vessels are those of ≥ 3 G.T. whilst 'municipal' refers to vessels of < 3 G.T. The 3 G.T. demarcation is a purely arbitrary classification that was originally used to define commercial fishing for

taxation and licensing purposes. A more detailed breakdown of catch and fishing effort by vessel gross tonnage class will be made later. Data are presented here, however, on the relative catch contribution by the different gears tonnage classes of commercial fishing vessels following the catch and effort summaries.

Details of the species composition of the catch are given in a series of tables following the catch and effort data for different vessel gross tonnages. The species composition data in this instance is simply the weight in grams each month of the different species sampled. This can be transformed to give the percent changes of species composition in the samples each month. However, this does not represent the species composition in the catch. To obtain this, the sample weights must be raised to the catch, then totalled over the sampling period to determine the true species composition. Since this is primarily a data volume, the results of this procedure will be reported elsewhere.

Table 1 Key to the catch composition of Philippine small pelagic fisheries.

Abbreviation	Common Name	Scientific Names
RS	Roundscads	<u>Decapterus</u> spp.
SAR	Sardines	<u>Sardinella</u> spp.
ANC	Anchovies	<u>Amblygaster</u> spp. <u>Stolephorus</u> spp.
MAC	Mackerels	<u>Engraulis</u> sp. <u>Rastrelliger</u> spp. <u>Scomber</u> sp.
BES	Big-eye scads	<u>Selar</u> spp.
RH	Round herrings	<u>Dussumieria</u> spp.
FUS	Fusiliers	<u>Caesio</u> spp. and <u>Pterocaesio</u> spp.
RSH	Round Sea Haarder	<u>Emmelichthys</u> spp.
SPRAT	Sprats	<u>Spratelloides</u> spp.
MF	Moonfish	<u>Mene</u> sp.
HER	Herrings	<u>Herklotsichthys</u> spp.
ENG	Engraulids	<u>Setipinna</u> spp. and <u>Thryssa</u> spp.
FF	Flyingfish	<u>Cypselurus</u> spp. <u>Cheilopogon</u> spp. <u>Oxyporhamphus</u> sp.
HB	Halfbeak	<u>Hemiramphus</u> sp.
MIX	Mixed small pelagics	
ANCJUV	Juvenile anchovies	
SARJUV	Juvenile sardines	
RSJUV	Juvenile roundscads	
O	Other non-small pelagics	

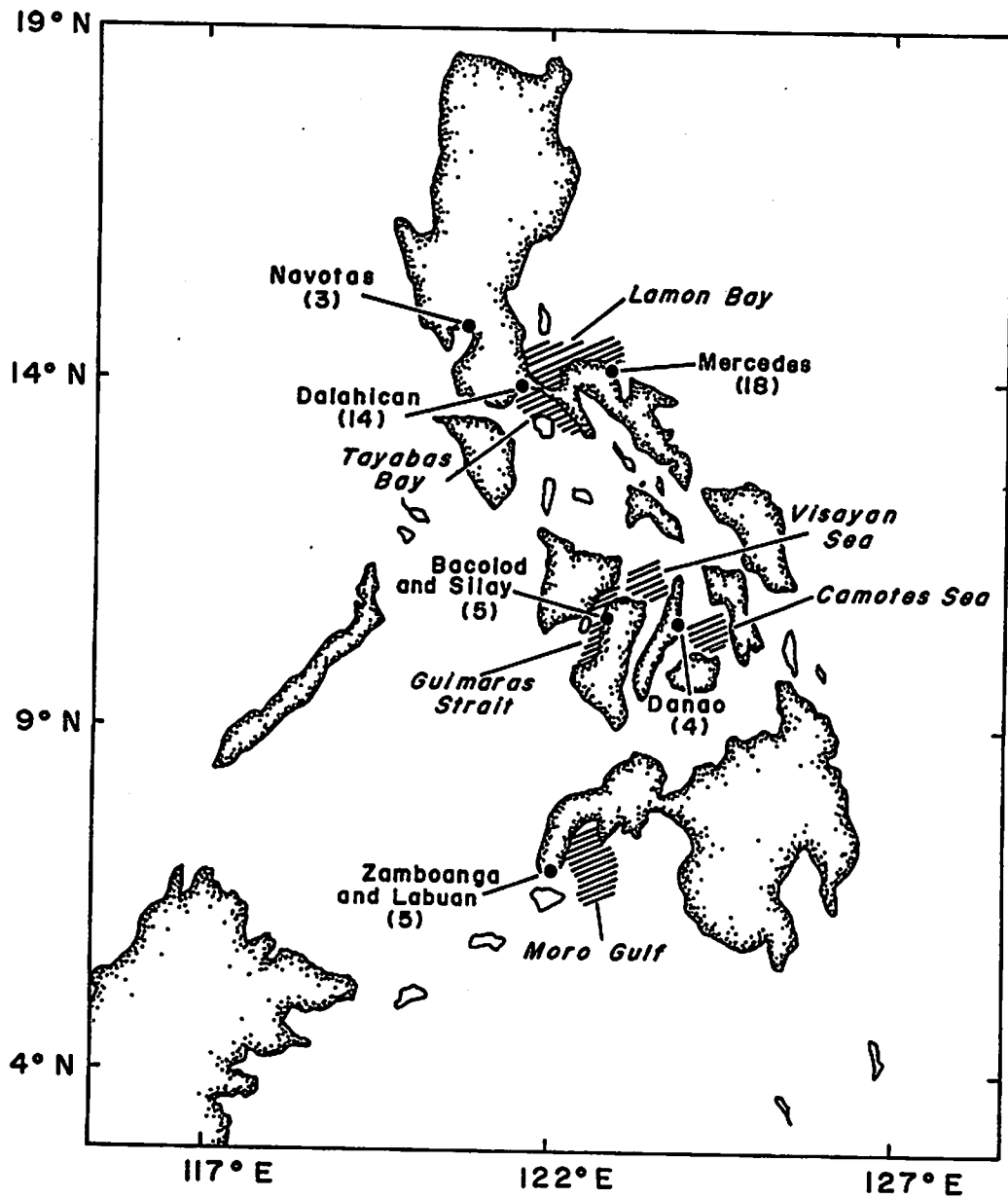


Fig. 1 Small Pelagic Management sampling sites and associated fishing grounds. Figures in parentheses refer to different numbers of fishing gears sampled.

Catch and effort data summaries

S M A L L P E L A G I C L A N D I N G S k g

REGION/LANDING CENTER : NAVOTAS FISH PORT (MANILA)
 FISHERY : COMMERCIAL
 GEAR : PURSE SEINE

MONTH	BOAT COUNT	TOTAL WT. kg	S P E C I E S				W E I G H T k g				ENG	HER	RSJUV		
			RS	SAR	ANC	MAC	BES	RH	FUS	D				NF	FF
FEB 1987	84	3,655,755	1,727,280	593,505	0	120,735	235,260	0	0	975,690	0	3,285	0	0	0
MAR 1987	137	6,039,855	4,778,640	61,335	225	218,295	104,220	22,500	0	748,980	105,660	0	0	0	0
APR 1987	176	9,284,080	6,286,320	1,846,570	0	656,325	27,990	47,160	1,170	366,885	51,660	0	0	0	0
MAY 1987	189	9,790,515	7,495,740	769,095	0	838,350	33,885	33,795	0	596,610	23,040	0	0	0	0
JUN 1987	153	7,161,613	4,750,200	1,495,395	0	399,283	97,515	4,320	0	414,900	0	0	0	0	0
JUL 1987	121	6,538,905	2,967,210	1,038,645	528,750	620,190	227,250	13,500	570,465	572,310	585	0	0	0	0
AUG 1987	128	6,044,130	2,714,355	1,545,570	0	753,345	199,575	37,530	0	793,755	0	0	0	0	0
SEP 1987	110	4,753,215	2,546,100	517,860	0	613,305	376,155	5,355	1,350	693,090	0	0	0	0	0
OCT 1987	119	4,844,565	2,495,745	1,045,395	0	387,450	262,440	58,140	0	588,645	6,750	0	0	0	0
NOV 1987	94	850,725	461,790	72,585	45	87,345	50,895	13,635	0	164,430	0	0	0	0	0
DEC 1987	60	1,866,335	778,905	446,220	0	154,440	77,630	19,800	0	389,160	180	0	0	0	0
JAN 1988	88	3,642,405	1,210,875	968,805	8,280	834,075	51,660	15,480	2,295	444,150	106,785	0	0	0	0
FEB 1988	104	4,508,460	1,778,535	916,965	180	528,120	328,995	0	0	929,250	26,415	0	0	0	0
MAR 1988	127	5,824,620	2,943,225	1,292,535	0	271,395	67,365	16,650	0	1,191,285	1,260	0	0	0	40,905
TOTAL	1,690	74,805,178	42,934,920	12,610,480	537,480	6,482,633	2,140,835	287,865	575,280	8,869,140	322,335	3,285	0	0	40,905
SPECIES PERCENTAGE			57.40%	16.86%	0.72%	8.67%	2.86%	0.38%	0.77%	11.86%	0.43%	0.00%	0.00%	0.00%	0.05%

S M A L L P E L L A G I C L A N D I N G S k g

REGION/LANDING CENTER : NAVOTAS FISH PORT (MANILA)
 FISHERY : COMMERCIAL
 GEAR : TRAWL

MONTH	BOAT COUNT	TOTAL WT. kg	RS	SAR	ARC	MAC	BES	S P E C I E S				FF	ENG	HER	RSJUV
								RH	FUS	O	MF				
FEB 1987	17	445,095	25,020	450	0	11,520	6,660	0	45	401,400	0	0	0	0	0
MAR 1987	18	540,900	69,975	15,570	135	16,155	6,390	540	0	432,135	0	0	0	0	0
APR 1987	6	147,645	21,330	8,280	405	5,715	1,170	0	0	110,700	45	0	0	0	0
MAY 1987	15	332,685	32,535	3,195	855	17,305	5,980	45	0	272,925	45	0	0	0	0
JUN 1987	12	286,650	41,940	12,690	1,305	34,875	4,230	405	0	191,205	0	0	0	0	0
JUL 1987	22	687,870	71,910	48,465	270	15,390	19,305	32,985	0	499,545	0	0	0	0	0
AUG 1987	18	618,975	73,260	15,885	0	40,275	41,085	8,100	0	439,560	810	0	0	0	0
SEP 1987	23	623,745	25,065	24,210	2,745	27,945	55,125	1,980	0	486,585	90	0	0	0	0
OCT 1987	34	709,335	49,095	2,745	45	23,940	46,575	3,240	0	583,515	180	0	0	0	0
NOV 1987	33	801,495	90,540	52,605	6,345	31,590	19,035	14,040	0	587,295	45	0	0	0	0
DEC 1987	24	387,585	33,075	11,790	0	14,310	10,890	2,610	0	314,235	675	0	0	0	0
JAN 1988	29	734,895	53,955	7,830	315	14,085	8,550	0	0	649,890	270	0	0	0	0
FEB 1988	26	455,625	31,410	7,605	855	9,135	5,760	4,185	0	396,675	0	0	0	0	0
MAR 1988	23	570,105	42,840	0	0	1,395	9,180	4,410	0	458,550	0	0	0	0	53,730
TOTAL	300	7,342,605	661,950	211,320	13,275	263,835	239,535	72,540	45	5,824,215	2,160	0	0	0	53,730

SPECIES PERCENTAGE
 9.02% 2.88% 0.18% 3.59% 3.26% 0.99% 0.00% 79.32% 0.03% 0.00% 0.00% 0.00% 0.00% 0.73%

S H A L L P E L A G I C L A N D I N G S k g

REGION/LANDING CENTER : IV/DALAHICAN (QUEZON)
 FISHERY : COMMERCIAL
 GEAR : MIRO-AMI

MONTH	BOAT COURT	EFFORT (hauls)	TOTAL WT. (kg)	RS	SAR	ANC	MAC	S P E C I E S			M E I G H T			FF	ANCJUV	HB	TUNA
								BES	RH	FUS	0	MIX	0				
FEB - APR 1987	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MAY 1987	1	2	140	0	0	0	0	0	70	70	0	0	0	0	0	0	0
JUN 1987 - MAR 1988	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	1	2	140	0	0	0	0	0	70	70	0	0	0	0	0	0	0
SPECIES PERCENTAGE				0.00%	0.00%	0.00%	0.00%	50.00%	50.00%	50.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%

AVERAGE CATCH (kg/HAUL) = 70.0

S M A L L P E L A G I C L A N D I N G S k g

REGION/LANDINGS CENTER : IV/DALAMAN (QUEZON)
 FISHERY : COMMERCIAL
 GEAR : RING NET

MONTH	BOAT COUNT	EFFORT hauls	TOTAL WT.		RS	SAR	ANC	MAC	BES	RH	FUS	D	MIX	FF	ANCJUV	RB	TUNA	MF	HER	ENG
			kg	kg																
FEB 1987	12	70	8,173	5,863	0	1,645	18	0	0	0	0	298	0	0	350	0	0	0	0	0
MAR 1987	10	19	5,985	5,845	0	0	70	0	0	0	0	70	0	0	0	0	0	0	0	0
APR 1987	1	2	245	0	0	0	35	0	0	0	0	175	0	0	0	0	35	0	0	0
MAY 1987	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
JUN 1987	1	3	420	0	0	0	0	0	0	0	0	420	0	0	0	0	0	0	0	0
JUL - SEP 1987	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
OCT 1987	2	2	403	105	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NOV 1987	1	2	20	0	0	0	0	70	18	0	0	210	0	0	0	0	0	0	0	0
DEC 1987-MAR 1988	0	0	0	0	0	0	0	0	0	0	0	20	0	0	0	0	0	0	0	0
TOTAL	27	98	15,245	11,813	0	1,645	123	70	18	0	0	1,193	0	0	350	0	35	0	0	0
SPECIES PERCENTAGE					77.48%	0.00%	10.79%	0.80%	0.46%	0.11%	0.00%	7.82%	0.00%	0.00%	2.30%	0.00%	0.23%	0.00%	0.00%	0.00%

AVERAGE CATCH (kg)/HAUL = 15.56

S M A L L P E L A G I C L A N D I N G S S k g

REGION/LANDINGS CENTER : IV/DALAHICAN (QUEZON)
 FISHERY : COMMERCIAL
 GEAR : TRAWL

MONTH	BOAT COUNT	EFFORT hauls	TOTAL WT. kg	S P E C I E S										M E I B H T			HER	ENG		
				RS	SAR	ANC	MAC	BES	RH	FUS	O	MIX	FF	ANCJUV	HB	TUNA			MF	
FEB 1987	5	6	5,285	1,505	1,365	315	18	0	175	0	1,908	0	0	0	0	0	0	0	0	
MAR 1987	5	10	4,060	70	455	560	0	0	350	0	2,625	0	0	0	0	0	0	0	0	
APR 1987	18	52	14,919	760	2,520	761	420	0	210	840	9,135	333	0	0	0	0	0	0	0	
MAY 1987	16	41	12,348	263	1,645	368	0	70	420	0	9,583	0	0	0	0	0	0	0	0	
JUN 1987	18	48	15,251	0	70	420	35	0	280	0	14,446	0	0	0	0	0	0	0	0	
JUL 1987	13	43	13,955	280	1,645	582	210	0	140	0	11,098	0	0	0	0	0	0	0	0	
AUG 1987	11	40	7,481	35	1,155	201	35	0	0	0	6,055	0	0	0	0	0	0	0	0	
SEP 1987	6	21	5,530	0	1,435	0	0	0	0	0	4,095	0	0	0	0	0	0	0	0	
OCT 1987	7	23	6,195	0	1,085	0	0	0	0	0	5,110	0	0	0	0	0	0	0	0	
NOV 1987	3	10	1,680	0	105	0	0	0	0	0	1,575	0	0	0	0	0	0	0	0	
DEC 1987	10	32	6,680	175	1,330	0	170	0	0	0	5,005	0	0	0	0	0	0	0	0	
JAN 1988	13	38	10,372	1,453	525	420	163	0	105	0	7,707	0	0	0	0	0	0	0	0	
FEB 1988	13	39	8,015	210	1,960	0	0	0	0	0	5,845	0	0	0	0	0	0	0	0	
MAR 1988	17	70	12,497	245	1,225	368	140	0	280	0	10,240	0	0	0	0	0	0	0	0	
TOTAL	155	473	124,267	4,935	16,520	3,995	1,190	70	1,940	840	94,425	333	0	0	0	0	0	0	0	
SPECIES PERCENTAGE				3.97%	13.29%	3.21%	0.96%	0.06%	1.58%	0.68%	75.99%	0.27%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%

AVERAGE CATCH (kg)/HAUL = 262.72

S M A L L P E L A G I C L A N D I N G S k g

REGION/LANDING CENTER : IV/DALARIKAN (QUEZON)
 FISHERY : MUNICIPAL
 GEAR : BABY BAGNET

MONTH	BOAT COURT	EFFORT hauls	TOTAL WT. kg	RS	SAR	ANC	MAC	BES	RH	S P E C I E S			W E I G H T k g			FF	HB	MIX	ANCJUV	SARJUV
										FUS	D	MF	HER	ENG						
FEB 1987	3	5	280	0	0	280	0	0	0	0	0	0	0	0	0	0	0	0	0	
MAR 1987	12	25	3,465	1,575	7	1,208	0	0	0	245	0	0	0	0	0	0	0	0	431	0
APR-DEC 1987	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
JAN-MAR 1988	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	15	30	3,745	1,575	7	1,488	0	0	0	245	0	0	0	0	0	0	0	0	431	0
SPECIES PERCENTAGE				42.06%	0.17%	39.72%	0.00%	0.00%	0.00%	6.54%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	11.51%	0.00%

AVERAGE CATCH (kg)/HAUL = 124.83

S H A L L P E L A G I C L A N D I N G S k g

REGION/LANDING CENTER : IV/DALAHICAN (QUEZON)
 FISHERY : MUNICIPAL
 GEAR : FISH CORRAL

MONTH	BOAT COUNT	EFFORT hr	TOTAL WT. kg	RS	SRR	ANC	MAC	BES	S P E C I E S W E I G H T k g													
									RH	FUS	DO	MF	FF	HB	HER	EHG	MIX	ANCJUV	SARJUV			
FEB 1987	13	4.88	364	0	35	141	0	0	100	42	3	0	0	0	43	0	0	0	0	0	0	
MAR 1987	2	0.55	31	25	0	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
APR 1987	4	1.42	216	0	0	140	0	0	0	0	70	0	0	0	0	0	0	0	0	0	6	0
MAY-DEC 1987	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
JAN-MAR 1988	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	19	6.85	611	25	35	287	0	0	100	42	73	0	0	0	43	0	0	0	0	0	6	0
SPECIES PERCENTAGE				4.07%	5.73%	46.94%	0.00%	0.00%	16.39%	6.88%	11.96%	0.00%	0.00%	0.00%	7.04%	0.00%	0.00%	0.00%	0.00%	0.00%	0.98%	0.00%

AVERAGE CATCH (kg)/HR = 89.14

S M A L L P E L A G I C L A N D I N G S k g

REGION/LANDINGS CENTER : IV/DALAMAN (QUEZON)
 FISHERY : MUNICIPAL
 GEAR : LAMAS (ROUND HAUL SEINE)

MONTH	BOAT COUNT	EFFORT hauls	TOTAL WT. kg	S P E C I E S W E I G H T k g																	
				RS	SAR	ANC	MAC	BES	RH	FUS	O	MF	FF	HB	HER	ENG	MIX	ANCJUV	SARJUV		
FEB 1987	81	217	29,459	1,562	18	19,463	805	0	0	6	1,847	0	258	0	0	0	102	5,399	0	0	
MAR 1987	157	323	39,408	4,805	2,221	18,004	252	7	0	195	2,401	0	0	0	32	0	0	3,160	8,330	0	
APR 1987	86	210	13,880	9	1,985	6,887	0	0	0	35	2,748	0	0	0	37	0	0	1,243	936	0	
MAY 1987	27	62	3,930	0	0	2,048	30	0	0	0	697	0	0	0	0	0	0	1,155	0	0	
JUN 1987	6	14	578	0	420	79	0	0	0	0	79	0	0	0	0	0	0	0	0	0	
JUL 1987	7	22	621	0	3	436	0	0	0	0	182	0	0	0	0	0	0	0	0	0	
AUG 1987	7	20	625	25	259	268	0	0	0	0	74	0	0	0	0	0	0	0	0	0	
SEP 1987	17	40	2,620	0	81	1,336	224	0	0	0	980	0	0	0	0	0	0	0	0	0	
OCT 1987	67	110	6,819	0	972	2,415	253	0	140	0	3,039	0	0	0	0	0	0	0	0	0	
NOV 1987	63	92	6,246	432	280	3,714	379	0	9	0	1,411	0	0	0	0	0	0	0	0	20	
DEC 1987	40	56	2,984	0	53	1,837	49	0	18	0	992	0	0	0	0	0	0	0	0	35	
JAN 1988	81	110	10,288	16	339	8,491	128	0	12	0	1,302	0	0	0	0	0	0	0	0	0	
FEB 1988	83	143	6,305	0	1,687	1,368	566	0	123	0	2,343	0	0	0	0	0	0	0	219	0	
MAR 1988	98	254	11,381	0	1,065	3,985	2,359	0	4	0	3,968	0	0	0	0	0	0	0	0	0	
TOTAL	820	1,673	135,143	6,849	9,380	70,331	5,045	7	304	236	22,065	0	258	0	70	102	10,956	9,485	55	55	
SPECIES PERCENTAGE				5.07%	6.94%	52.04%	3.73%	0.01%	0.23%	0.17%	16.33%	0.00%	0.19%	0.00%	0.08%	0.05%	8.11%	7.02%	0.04%	0.04%	0.04%

AVERAGE CATCH (kg)/HAUL = 80.78

S M A L L P E L A G I C L A N D I N G S t g

REGION/LANDING CENTER : IV/DALANICAN (QUEZON)
 FISHERY : MUNICIPAL
 GEAR : SCOOP NET

MONTH	BOAT COUNT	EFFORT hr	TOTAL WT. kg	RS	SAR	ANC	HAC	BES	S P E C I E S W E I G H T k g														
									RH	FUS	D	MF	FF	HB	HER	ENG	WIX	ANCJUV	SRRJUV				
FEBRUARY 1987	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
MARCH 1987	12	20.50	614	0	53	0	0	0	0	8.4	0	0	0	0	0	0	0	0	0	0	0	553	0
APRIL 1987	1	0.33	9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9	0
MAY - DEC 1987	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
JAN - MAR 1988	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	13	20.83	623	0	53	0	0	0	0	8	0	0	0	0	0	0	0	0	0	0	0	562	0
SPECIES PERCENTAGE				0.00%	8.51%	0.00%	0.00%	0.00%	0.00%	1.35%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	90.15%	0.00%

AVERAGE CATCH (kg)/HR = 29.92

S M A L L P E L A G I C L A N D I N G S k g

REGION/LANDING CENTER : IV/DALAHICAN (QUEZON)
 FISHERY : MUNICIPAL
 GEAR : SURFACE GILL NET

MONTH	BOAT COUNT	EFFORT hauls	TOTAL WT. kg	S P E C I E S W E I G H T k g																	
				RS	SAR	ANC	MAC	BES	RH	FUS	O	MF	FF	HB	HER	ENG	MIX	ANCJUV	SARJUV		
FEB 1987	16	26	3,039	210	0	1,855	15	3	0	0	0	10	0	0	0	0	172	19	685	70	0
MAR 1987	34	37	1,004	2	584	70	68	0	0	0	32	0	0	0	0	0	186	64	0	0	0
APR 1987	122	150	2,266	0	1,880	79	25	0	0	0	121	161	0	0	0	0	0	0	0	0	0
MAY 1987	258	368	7,418	825	5,591	175	629	0	5	45	149	0	0	0	0	0	0	0	0	0	0
JUN 1987	454	660	8,499	598	6,249	203	126	0	295	107	835	0	0	0	0	30	55	0	0	0	0
JUL 1987	709	1,083	20,102	663	15,693	1,293	167	0	120	70	2,095	0	0	0	0	0	0	0	0	0	0
AUG 1987	291	425	10,453	423	8,130	263	70	10	39	592	669	0	0	0	0	229	28	0	0	0	0
SEP 1987	472	632	12,705	337	9,939	44	576	233	385	23	993	0	0	0	0	0	0	0	0	0	0
OCT 1987	183	229	3,044	131	2,128	2	384	8	5	0	177	0	0	0	0	229	0	0	0	0	175
NOV 1987	147	204	2,904	23	961	0	1,233	22	40	0	390	0	0	0	0	229	7	0	0	0	0
DEC 1987	92	129	1,816	100	437	3	589	13	338	0	357	0	0	0	0	0	0	0	0	0	0
JAN 1988	74	99	1,403	290	16	1	893	43	9	0	150	0	0	0	0	0	0	0	0	0	0
FEB 1988	155	221	2,834	646	33	0	1,868	9	22	10	200	0	0	0	0	47	0	0	0	0	0
MAR 1988	203	315	3,728	186	642	0	2,123	0	670	0	77	0	0	0	0	31	0	0	0	0	0
TOTAL	3,210	4,578	81,233	4,433	52,283	3,987	8,746	340	1,927	967	6,295	0	0	0	0	1,153	173	685	70	175	0

SPECIES PERCENTAGE	
5.46%	64.36%
4.91%	10.77%
0.42%	2.37%
1.19%	7.75%
0.00%	0.00%
0.00%	0.00%
1.42%	0.21%
0.84%	0.84%
0.09%	0.22%

AVERAGE CATCH (kg)/HAUL = 17.74

S M A L L P E L A G I C L A N D I N G S k g

REGION/LANDING CENTER : IV/DALAMAN (QUEZON)
 FISHERY : MUNICIPAL
 GEAR : SKIMING NET

MONTH	BOAT COUNT	EFFORT hr	TOTAL WT. kg	RS	SAR	ANC	MAC	BES	S P E C I E S					W E I G H T k g			FF	HB	ENG	HER	MIX				
									RR	FUS	O	NF	ANCJUV	SARJUV	ANC	JUV						SAR			
FEB 1987	1	0.67	280	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
MAR 1987	13	16.37	1,120	0	0	35	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
APR 1987	15	6.20	759	12	0	219	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
MAY-JUN 1987	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	175	
SEP 1987	5	0	433	0	0	105	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
OCT 1987	0	2.17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
NOV 1987	44	11.19	1,830	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
DEC 1987	2	6.00	110	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
JAN 1988	18	7.92	800	0	0	736	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
FEB 1988	20	5.36	411	0	0	88	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
MAR 1988	2	0.34	19	0	0	19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
TOTAL	120	56.22	5,762	12	0	1,200	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	175
SPECIES PERCENTAGE				0.21%	0.00%	20.83%	0.00%	0.00%	0.00%	0.00%	0.00%	0.54%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	3.04%

AVERAGE CATCH (kg)/HR = 102.49

S M A L L P E L A G I C L A N D I N G S k g

REGION/LANDING CENTER : V/MERCEDES (BICOL)
 FISHERY : COMMERCIAL
 BEAR : BAGNET

MONTH	BOAT COUNT	EFFORT hauls	TOTAL WT. kg	RS	SAR	ANC	S P E C I E S			M E I G H T			HER	ENG	HB	MIX	
							MAC	BES	RH	FUS	D	MF					
FEB 1987	3	9	3,650	0	50	3,150	0	0	450	0	0	0	0	0	0	0	
MAR 1987	14	44	5,600	1,900	650	2,200	0	0	100	0	750	0	0	0	0	0	
APR 1987	40	107	18,175	1,750	3,050	850	150	0	50	0	11,000	0	0	0	0	1,325	
MAY 1987	104	256	52,581	1,907	6,886	2,458	698	0	0	0	39,782	0	0	0	0	850	
JUN 1987	133	356	73,194	8,692	5,846	20,272	2,572	135	1,609	34	27,915	0	0	0	0	6,120	
JUL 1987	269	738	103,960	13,201	17,269	22,275	3,780	2,340	4,320	338	42,438	0	0	0	0	0	
AUG 1987	281	671	140,197	27,248	11,901	79,766	2,160	2,025	428	0	16,671	0	0	0	0	0	
SEP 1987	312	743	103,189	29,375	25,245	34,506	1,125	1,215	484	0	11,239	0	0	0	0	0	
OCT 1987	205	619	98,027	9,293	2,036	65,319	90	23	945	0	20,322	0	0	0	0	0	
NOV 1987	93	231	62,523	810	619	55,885	23	0	101	0	5,085	0	0	0	0	0	
DEC 1987	8	9	203	113	0	90	0	0	0	0	0	0	0	0	0	0	
JAN 1988	11	16	1,913	135	0	1,553	0	0	225	0	0	0	0	0	0	0	
FEB 1988	36	99	20,044	896	0	13,579	0	0	0	0	5,569	0	0	0	0	0	
MAR 1988	94	236	23,158	540	8,349	3,015	23	0	630	0	8,959	0	0	0	0	0	
TOTAL	1,603	4,134	708,411	95,859	81,900	304,917	10,620	5,738	9,341	371	189,727	0	0	0	0	8,295	
SPECIES PERCENTAGE				13.40%	11.58%	43.11%	1.50%	0.81%	1.32%	0.05%	26.82%	0.00%	0.00%	0.00%	0.00%	0.00%	1.17%

AVERAGE CATCH (kg)/HAUL = 171.36

S M A L L P E L A G I C L A N D I N G S k g

REGION/LANDING CENTER : V/HERCEDES (BICOL)
 FISHERY : COMMERCIAL
 GEAR : ENCIRLING GILL NET

MONTH	BOAT COUNT	EFFORT hauls	TOTAL WT. kg	RS	SAR	ANC	MAC	BES	S P E C I E S			W E I G H T k g			H9	MIX
									RH	FUS	D	HF	HER	ENG		
FEB 1987	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MAR 1987	4	17	2,027	0	1,737	0	0	0	224	0	28	0	0	21	0	0
APR-DEC 1987	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
JAN-MAR 1988	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	4	17	2,027	0	1,737	0	0	0	224	0	28	0	0	21	0	0
SPECIES PERCENTAGE				0.00%	85.67%	0.00%	0.00%	0.00%	11.05%	0.00%	1.38%	0.00%	0.00%	1.04%	0.00%	0.00%

AVERAGE CATCH (kg)/HAUL = 119.24

S H A L L P E L A G I C L A N D I N G S k g

REGION/LANDING CENTER : V/MERCEDES (BICOL)
 FISHER: : COMMERCIAL
 GEAR : PURSE SEINE

MONTH	BOAT COUNT	EFFORT haul's	TOTAL WT. kg	S P E C I E S										MIX				
				RS	SAR	-ANC	MAC	BES	RH	FUS	O	MF	HER		ENG	HB		
FEB 1987	2	4	630	0	630	0	0	0	0	0	0	0	0	0	0	0	0	0
MAR - DEC 1987	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
JAN - MAR 1988	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	2	4	630	0	630	0	0	0	0	0	0	0	0	0	0	0	0	0
SPECIES PERCENTAGE				0.00%	100.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%

AVERAGE CATCH (kg)/HAUL = 157.5

S H A L L P E L A G I C L A N D I N G S k g

REGION/LANDING CENTER : V/MEDEDES (BICOL)
 FISHERY : MUNICIPAL
 BEAR : CAST NET

MONTH	BOAT COUNT	EFFORT haul's	TOTAL WT. kg	RS	SAR	ANC	ANC	ANC	BES	RH	S P E C I E S W E I G H T (k g)						FF	SPRAT	HF	HER	ENG
											FUS	O	NIX	HB	ANCJUV	SARJUV					
FEB-MAR 1987	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
APRIL 1987	2	2	847	0	819	0	0	0	0	28	0	0	0	0	0	0	0	0	0	0	0
MAY - DEC 1987	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
JAN - MAR 1987	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	2	2	847	0	819	0	0	0	0	28	0	0	0	0	0	0	0	0	0	0	0
SPECIES PERCENTAGE				0.00%	6.00%	40.61%	0.00%	0.00%	0.00%	0.00%	1.37%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%

AVERAGE CATCH (kg)/HAUL = 423.50

S M A L L P E L A G I C L A N D I N G S k g

REGION/LANDING CENTER : V/MERCEDES (BICOL)
 FISHERY : MUNICIPAL
 BEAR : FISH CORRAL

MONTH	BOAT COUNT	EFFORT hr	TOTAL WT. kg	S P E C I E S W E I G H T (k g)											HER	ENS																
				RS	SAR	ANC	MAC	BES	RH	FUS	D	MIX	HB	AKCJUV			SARJUV	FF	SPRAT	NF												
FEB - JUL 1987	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							
AUGUST 1987	1	6	35	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0						
SEP - DEC 1987	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	0						
JAN - MAR 1988	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	0						
TOTAL	1	6	35	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	35	0	0	0	0	0	0	0
SPECIES PERCENTAGE				0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	100.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%

AVERAGE CATCH (kg)/HR = 5.83

S M A L L P E L A G I C L A N D I N G S k g

REGION/LANDING CENTER : V/MERCEDES (BICOL)
 FISHERY : MUNICIPAL
 GEAR : HOOK AND LINE

MONTH	BOAT COUNT	EFFORT days	TOTAL WT. kg	RS	SAR	ANC	MAC	BES	RH	S P E C I E S			W E I G H T (k g)			FF	SPRAT	MF	HER	ENG
										FUS	O	MIX	HB	ANCJUV	SARJUV					
FEB 1987	22	25	848	0	0	10	25	420	0	287	106	0	0	0	0	0	0	0	0	
MAR 1987	19	22	841	0	0	0	0	375	0	189	242	35	0	0	0	0	0	0	0	
APR 1987	11	16	464	0	0	0	0	74	0	176	189	25	0	0	0	0	0	0	0	
MAY 1987	2	3	50	0	0	0	0	0	0	35	15	0	0	0	0	0	0	0	0	
JUN-OCT 1987	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
NOV 1987	3	4	45	0	0	0	0	0	0	35	10	0	0	0	0	0	0	0	0	
DEC 1987	3	3	205	0	0	0	0	0	0	50	155	0	0	0	0	0	0	0	0	
JAN 1988	9	12	399	0	0	0	0	150	0	91	158	0	0	0	0	0	0	0	0	
FEB 1988	13	26	595	0	0	0	0	165	0	195	235	0	0	0	0	0	0	0	0	
MAR 1988	4	11	312	0	0	0	0	60	0	98	154	0	0	0	0	0	0	0	0	
TOTAL	86	122	3,758	0	0	10	25	1,244	0	1,155	1,284	60	0	0	0	0	0	0	0	
SPECIES PERCENTAGE				0.00%	0.00%	0.27%	0.67%	33.11%	0.00%	30.72%	33.64%	1.60%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	

AVERAGE CATCH (kg)/DAY = 30.81

S M A L L P E L A G I C L A N D I N G S k g

REGION/LANDING CENTER : V/MERCEDES (BICOL)
 FISHERY : MUNICIPAL
 GEAR : SURFACE GILL NET

MONTH	BOAT COUNT	EFFORT hauls	TOTAL WT. kg	S P E C I E S W E I G H T (k g)																
				RS	SAR	ANC	MAC	BES	RH	FUS	O	MIX	HB	ANCJUV	SARJUV	FF	SPRAT	MF	HER	ENG
FEB 1987	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MAR 1987	59	80	1,147	0	83	0	372	167	0	0	463	63	0	0	0	0	0	0	0	0
APR 1987	73	83	1,691	3	104	0	553	181	0	0	446	0	5	0	0	400	0	0	0	0
MAY 1987	70	86	1,916	5	93	0	478	20	0	25	323	22	0	0	0	950	0	0	0	0
JUN 1987	22	42	2,048	0	3	39	14	0	0	0	238	32	31	0	0	1,692	0	0	0	0
JUL 1987	1	0	70	5	0	0	20	15	0	0	30	0	0	0	0	0	0	0	0	0
AUG 1987	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SEP 1987	32	41	443	0	0	0	190	30	0	0	223	0	0	0	0	0	0	0	0	0
OCT 1987	25	34	527	0	0	0	256	8	0	0	264	0	0	0	0	0	0	0	0	0
NOV 1987	15	19	215	0	0	0	73	0	0	0	143	0	0	0	0	0	0	0	0	0
DEC 1987	5	5	49	0	0	0	18	10	0	0	21	0	0	0	0	0	0	0	0	0
JAN 1988	46	49	768	0	5	190	92	6	0	0	476	0	0	0	0	0	0	0	0	0
FEB 1988	57	61	1,921	0	0	0	312	194	0	0	598	0	0	818	0	0	0	0	0	0
MAR 1988	56	65	1,124	0	213	0	258	18	0	0	636	0	0	0	0	0	0	0	0	0
TOTAL	462	565	11,917	13	500	229	2,633	648	0	25	3,859	116	36	818	0	3,042	0	0	0	0
SPECIES PERCENTAGE				0.10%	4.19%	1.92%	22.10%	5.43%	0.00%	0.21%	32.38%	0.97%	0.30%	6.86%	0.00%	25.53%	0.00%	0.00%	0.00%	0.00%

AVERAGE CATCH (kg)/HAUL = 21.09

S H A L L P E L A G I C L A N D I N G S k g

REGION/LANDING CENTER : V/MERCEDES (BICOL)
 FISHERY : MUNICIPAL
 BEAR : PURSE SEINE

MONTH	BOAT COUNT	EFFORT hauls	TOTAL WT. kg	S P E C I E S W E I G H T (k g)																			
				RS	SAR	ANC	HAC	BES	RH	FUS	U	MIX	HB	ANCJUV	SARJUV	FF	SPRAT	KF	HER	ENG			
FEB 1987	7	12	480	0	63	0	0	0	0	0	4	0	594	0	20	0	0	0	0	0	0	0	0
MAR - DEC 1987	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
JAN - MAR 1988	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	7	12	680	0	63	0	0	0	0	4	0	594	0	20	0	0	0	0	0	0	0	0	0
SPECIES PERCENTAGE				0.00%	9.12%	0.00%	0.00%	0.00%	0.59%	0.00%	87.28%	0.00%	2.94%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%

AVERAGE CATCH (kg)/HAUL = 56.67

S H A L L P E L A G I C L A N D I N G S k g

REGION/LANDING CENTER : V/MERCEDES (BICOL)
 FISHERY : MUNICIPAL
 BEAR : ROUND HAUL SEINE

MONTH	BOAT COUNT	EFFORT harts	TOTAL WT. kg	S P E C I E S W E I G H T (k g)																	
				RS	SAR	ANC	MAC	BES	RH	FUS	D	MIX	HD	JUVANC	JUVSAR	FF	SPRAT	KF	HER	ENG	
FEB-MAY 1987	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
JUN 1987	12	49	5,240	0	281	2,138	169	0	0	0	0	0	2,343	68	0	0	0	0	0	0	0
JUL 1987	28	118	10,816	0	666	7,459	79	315	203	0	0	1,915	0	0	0	180	0	0	0	0	0
AUG 1987	21	60	7,380	0	270	6,008	0	113	90	0	0	900	0	0	0	0	0	0	0	0	0
SEP 1987	15	50	4,948	0	0	4,948	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
OCT 1987	3	9	394	0	11	146	0	0	225	0	0	11	0	0	0	0	0	0	0	0	0
NOV-DEC 1987	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
JAN-MAR 1988	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	79	286	28,778	0	1,229	20,698	248	428	518	0	5,169	68	0	0	0	225	198	0	0	0	0
SPECIES PERCENTAGE				0.00%	4.27%	71.92%	0.86%	1.49%	1.80%	0.00%	17.96%	0.23%	0.00%	0.00%	0.00%	0.78%	0.69%	0.00%	0.00%	0.00%	0.00%

AVERAGE CATCH (kg)/HAUL = 100.62

S H A L L P E L L A G I C L A N D I N G S k g

REGION/LANDING CENTER : V/HERCEDES (BICOL)
 FISHERY : MUNICIPAL
 GEAR : SCISSORS NET

MONTH	BOAT	EFFORT	TOTAL WT.	S P E C I E S W E I G H T { k g }																			
				COUXT	hauls	kg	RS	SAR	ANC	MAC	BES	RH	FUS	O	MIX	HB	ANCJUV	SARJUV	FF	SPRAT	KF	HER	ENG
FEB-MAR 1987	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
APR 1987	1	1	45	0	0	0	0	0	0	20	25	0	0	0	0	0	0	0	0	0	0	0	0
MAY 1987	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
JUNE 1987	1	5	225	0	0	0	0	0	0	0	0	225	0	0	0	0	0	0	0	0	0	0	0
JUL-DEC 1987	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
JAN-MAR 1988	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	2	6	270	0	0	0	0	0	20	25	225	0	0	0	0	0	0	0	0	0	0	0	0
SPECIES PERCENTAGE				0.00%	0.00%	0.00%	0.00%	0.00%	7.41%	9.26%	83.33%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%

AVERAGE CATCH (kg)/HAUL = 45.00

S K A L L P E L A B I C L A N D I N G S k g

REGION/LANDING CENTER : V/MERCEDES (BICOL)
 FISHERY : MUNICIPAL
 GEAR : STATIONARY LIFTNET

MONTH	BOAT EFFORT		TOTAL WT. kg	S P E C I E S W E I G H T (kg)																	
	COUNT	hauls		RS	SAR	ANC	HAC	BES	RH	FUS	O	MIX	HB	ANCJUV	SARJUV	FF	SPRAT	MF	HER	ENG	
FEB-APR 1987	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
MAY 1987	8	13	871	0	0	397	0	0	0	0	189	0	0	0	0	0	0	0	0	0	
JUN 1987	10	33	1,972	0	53	767	0	0	0	285	0	0	0	0	0	0	0	0	0	0	
JUL 1987	29	38	1,150	0	135	327	0	0	0	829	0	0	0	324	0	0	0	0	0	0	
AUG 1987	27	15	1,425	0	20	385	0	0	0	666	0	0	23	0	0	0	0	0	0	0	
SEP 1987	42	0	0	0	0	0	0	10	0	315	0	0	695	0	0	0	0	0	0	0	
OCT 1987	41	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
NOV 1987	12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
DEC 1987	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
JAN 1988	17	57	940	0	25	868	0	0	0	48	0	0	0	0	0	0	0	0	0	0	
FEB 1988	21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
MAR 1988	22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
TOTAL	229	156	6,358	0	233	2,743	0	0	10	2,142	189	0	718	324	0	0	0	0	0	0	
SPECIES PERCENTAGE				0.00%	3.66%	43.14%	0.00%	0.00%	0.16%	0.00%	33.69%	2.97%	0.00%	11.29%	5.09%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%

AVERAGE CATCH (kg)/HAUL = 40.75

S M A L L P E L A G I C L A N D I N G S k g

REGION/LANDING CENTER : VI/BAWAGO (BACOLORI)
 FISHERY : COMMERCIAL
 GEAR : TRAWL

MONTH	BOAT COUNT	EFFORT hauls	TOTAL WT. kg	NO CATCH COMPOSITION	RS	SAR	ANC	MAC	BES	S P E C I E S				ENG	RSJUV	MIX
										RH	0	MF	FUS			
FEB 1987	7	176	44,563	0	2,300	13	300	1,175	25	0	40,750	0	0	0	0	0
MAR 1987	19	561	164,855	11,505	14,350	25	0	1,950	50	0	136,575	0	0	0	0	0
APR 1987	12	587	169,925	52,600	23,500	50	0	2,025	0	0	91,750	0	0	0	0	0
MAY 1987	22	728	194,475	48,600	19,425	100	0	3,450	50	0	122,850	0	0	0	0	0
JUN 1987	17	527	141,900	18,950	23,800	1,000	0	7,700	225	25	90,200	0	0	0	0	0
JUL 1987	31	782	232,500	80,175	26,900	1,000	100	6,275	400	25	117,575	50	0	0	0	0
AUG 1987	18	482	129,550	0	17,425	900	0	6,750	350	0	104,125	0	0	0	0	0
SEP 1987	23	547	111,500	15,000	14,525	150	0	1,800	825	125	79,075	0	0	0	0	0
OCT 1987	17	532	139,675	4,300	13,600	225	0	6,250	1,325	525	113,450	0	0	0	0	0
NOV 1987	16	503	115,200	11,500	4,725	125	25	1,525	375	0	96,725	0	0	0	0	200
DEC 1987	7	150	36,675	0	1,425	125	0	1,400	200	0	33,525	0	0	0	0	0
JAN 1988	12	391	85,400	15,350	6,252	250	0	2,375	175	50	69,575	0	0	0	0	0
FEB 1988	25	754	147,775	33,625	7,725	75	0	5,225	500	0	100,625	0	0	0	0	0
MAR 1988	18	536	88,575	6,250	5,900	325	0	3,125	700	200	72,075	0	0	0	0	0
TOTAL	244	7,256	1,802,295	297,855	181,852	4,363	425	51,025	5,200	950	1,269,375	50	0	0	0	200
SPECIES PERCENTAGE																
12.09% 0.29% 0.03% 3.39% 0.35% 0.06% 83.78% 0.00% 0.00% 0.00% 0.00% 0.00% 0.00% 0.00% 0.00% 0.01%																

AVERAGE CATCH (kg)/HAUL = 248.39

S M A L L P E L A B I C L A N D I N G S k g

REGION/LANDING CENTER : VI/BANAGO (BACOLOD)
 FISHERY : COMMERCIAL
 GEAR : PURSE SEINE

MONTH	BOAT COUNT	EFFORT hauls	TOTAL WT. kg	NO CATCH COMPOSITION	RS	SAR	ANC	MAC	BES	RH	D	MF	FUS	HER	ENG	RSUVV	MTI	
FEB 1987	1	1	4,975	0	4,975	0	0	0	0	0	0	0	0	0	0	0	0	
MAR 1987	2	10	8,900	5,750	1,600	125	0	1,000	100	25	300	0	0	0	0	0	0	
APR 1987	4	15	26,150	0	8,090	15,050	0	2,205	25	0	781	0	0	0	0	0	0	
MAY 1987	7	19	26,050	3,575	2,100	5,275	0	1,825	0	8,450	4,825	0	0	0	0	0	0	
JUN 1987	17	52	78,525	52,350	3,805	2,751	0	5,659	882	280	12,800	0	0	0	0	0	0	
JUL 1987	21	122	154,725	52,450	22,256	33,786	0	22,903	1,126	500	21,704	0	0	0	0	0	0	
AUG 1987	10	48	69,978	31,325	1,375	22,175	0	8,850	1,000	100	5,150	0	0	0	0	0	0	
SEP 1987	3	5	24,325	0	425	20,350	0	750	50	0	2,750	0	0	0	0	0	0	
OCT 1987	10	48	49,575	1,000	4,050	30,075	0	3,775	150	950	9,575	0	0	0	0	0	0	
NOV 1987	4	15	13,600	1,425	825	625	0	7,125	0	0	3,600	0	0	0	0	0	0	
DEC 1987	5	12	13,150	1,850	1,650	8,750	0	500	0	0	400	0	0	0	0	0	0	
JAN 1987	19	77	67,300	20,950	7,125	10,475	0	12,825	1,075	375	12,825	0	0	0	0	1,650	0	
FEB 1988	12	65	68,425	29,275	3,875	12,425	0	11,575	50	1,850	5,775	0	0	0	0	0	0	
MAR 1988	31	130	99,775	44,500	12,550	8,275	450	14,725	1,575	4,050	13,650	0	0	0	0	0	0	
TOTAL	146	619	705,454	244,450	74,701	170,136	450	93,717	6,033	16,580	94,134	0	0	0	0	1,650	0	
SPECIES PERCENTAGE					16.33%	37.20%	0.10%	20.49%	1.32%	3.62%	20.58%	0.00%	0.00%	0.00%	0.00%	0.00%	0.36%	0.00%

AVERAGE CATCH (kg)/HAUL = 1139.67

S M A L L P E L A G I C L A N D I N G S k g

REGION/LANDING CENTER : VI/GUINHARAN (BACOLOD)
 FISHERY : MUNICIPAL
 GEAR : BEACH SET/NE

	NORTH	BOAT COUNT	EFFORT hauls	TOTAL WT. kg	S P E C I E S										MIX									
					RS	SAR	ANC	MAC	BES	RH	FUS	D	MF	HER		ENG	SARJUV	ANCJUV	HB	FF				
FEB 1987		7	7	4,270	0	60	3,960	0	0	0	0	0	29	0	0	0	0	0	200	0	0	0	30	
MAR 1987		18	6	740	0	117	251	0	0	0	0	193	0	0	0	0	0	0	0	0	0	0	180	
APR 1987		21	73	5,530	0	1,700	3,737	0	0	0	0	93	0	0	0	0	0	0	0	0	0	0	0	
MAY 1987		7	24	1,500	0	0	1,350	0	0	0	0	150	0	0	0	0	0	0	0	0	0	0	0	
JUN 1987		32	67	9,160	0	60	4,980	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
JUL 1987		18	46	4,070	0	0	810	0	0	0	0	1,200	0	0	0	0	0	0	3,120	0	0	0	0	
AUG 1987		30	98	10,185	0	0	3,510	0	0	0	0	90	0	0	0	0	0	0	2,070	4,515	0	0	0	
SEP 1987		17	23	6,840	0	0	4,830	0	0	0	0	60	0	0	0	0	0	0	390	1,410	0	0	150	
OCT 1987		17	44	2,780	0	0	905	0	0	0	0	599	0	0	0	0	0	1,138	30	0	0	0	9	
NOV 1987		9	11	1,845	0	0	570	0	0	0	0	945	0	0	0	0	0	330	0	0	0	0	0	
DEC 1987		8	20	3,420	0	0	330	0	0	0	0	0	0	0	0	0	0	2,310	790	0	0	0	0	
JAN 1988		2	3	135	0	0	0	0	0	0	0	135	0	0	0	0	0	0	0	0	0	0	0	0
FEB 1988		22	58	2,310	0	34	1,222	0	0	0	0	439	0	0	0	0	0	345	0	0	0	0	0	
MAR 1988		17	18	3,470	0	630	2,570	0	0	0	0	90	0	0	0	0	0	120	60	0	0	0	270	
TOTAL		213	510	55,255	0	2,600	29,024	0	0	0	0	4,114	0	0	0	0	0	6,703	12,175	0	0	0	639	

SPECIES PERCENTAGE	
0.00%	4.71%
0.00%	52.53%
0.00%	0.00%
0.00%	0.00%
0.00%	7.45%
0.00%	0.00%
0.00%	12.13%
0.00%	22.03%
0.00%	0.00%
0.00%	1.16%

AVERAGE CATCH (kg)/HAUL = 108.34

S M A L L P E L A G I C L A N D I N G S k g

REGION/LANDING CENTER : VI/GUINHALARAN (BACOLOD)
 FISHERY : MUNICIPAL
 GEAR : DEEP WATER FISH CORRAL

MONTH	BDAT COUNT	EFFORT hauls	TOTAL WT. kg	S P E C I E S W E I G H T k g																
				RS	SAR	ANC	MAC	BES	RH	FUS	O	MF	HER	ENG	SARJUV	ANCJUV	HB	FF	MIX	
FEB-MAR 1987		NONE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
APR 1987	77	82	4,492	0	1,412	2,616	18	0	0	0	445	0	0	0	0	0	0	0	0	0
MAY 1987	46	50	2,094	0	466	920	0	0	0	0	708	0	0	0	0	0	0	0	0	0
JUN 1987	59	59	6,472	0	9	2,973	1,074	0	0	0	2,416	0	0	0	0	0	0	0	0	0
JUL 1987	56	59	4,989	0	62	1,329	1,928	0	0	0	1,654	0	0	0	0	0	12	0	1	2.76
AUG 1987	50	46	4,631	0	100	2,238	31	0	0	0	1,784	0	0	0	70	399	0	0	0	10
SEP 1987	58	61	5,396	0	933	1,034	1,387	0	0	0	1,716	0	0	0	151	1	4	0	0	170
OCT 1987	9	16	760	0	63	17	0	0	0	0	680	0	0	0	0	0	0	0	0	0.6
NOV 1987	16	16	977	0	0	0	0	0	0	0	832	0	0	0	145	0	0	0	0	0
DEC 1987	39	42	2,354	0	25	302	0	0	0	0	1,941	0	0	0	2	61	0	0	0	23
JAN 1988	106	114	5,699	0	112	1,216	1	0	15	0	2,038	0	0	0	306	693	659	0	0	658
FEB 1988	88	92	3,316	0	181	649	25	0	4	0	1,588	0	0	0	705	32	4	6	6	121
MAR 1988	56	58	2,011	0	72	486	84	4	0	0	876	0	0	0	196	284	1	0	0	6
TOTAL	660	695	43,191	0	3,435	13,779	4,548	4	19	0	16,677	0	0	0	1,578	1,483	669	7	991.36	
SPECIES PERCENTAGE				0.00%	7.95%	31.90%	10.53%	0.01%	0.04%	0.00%	38.61%	0.00%	0.00%	0.00%	3.65%	3.43%	1.55%	0.02%	2.30%	

AVERAGE CATCH (kg)/HAUL = 62.14

S M A L L P E L A G I C L A N D I N G S k g

REGION/LANDING CENTER : VI/GUTHALABAN (BACOLOD)
 FISHERY : MUNICIPAL
 GEAR : FISH CORRAL (DEEP AND SHALLOW WATER CORRALS COMBINED)

MONTH	BOAT COUNT	EFFORT hauls	TOTAL WT. kg	SPECIES										MIX						
				RS	SAR	ANC	MAC	BES	RH	FUS	O	MF	HER		ENG	SARJUV	ANCJUV	HB	FF	
FEB 1987	120	59	165	0	16	33	1	0	0	0	0	66	0	0	0	18	11	0	0	20
MAR 1987	151	160	6,190	5	1,347	3,753	157	0	15	2	513	0	0	0	0	213	21	2	0	161
APR 1987	156	163	6,935	0	1,638	4,422	21	0	0	20	833	0	0	0	0	0	0	0	0	0
MAY 1987	136	140	6,247	0	583	1,708	0	0	0	0	3,955	0	0	0	0	0	0	1	0	0
JUN 1987	221	209	18,159	0	27	6,464	1,099	0	0	0	10,379	0	0	0	0	196	0	0	0	0
JUL 1987	224	227	11,084	0	93	2,054	1,996	0	0	0	6,891	0	0	0	86	153	0	1	9	0
AUG 1987	261	223	12,977	0	100	3,568	31	0	0	0	6,986	0	0	0	904	1,280	0	0	109	0
SEP 1987	270	256	37,714	0	2,828	13,280	4,215	0	0	0	10,321	0	0	0	1,451	4,109	12	0	1,497	0
OCT 1987	189	179	6,896	0	63	42	0	0	0	0	4,335	0	0	0	2,390	66	0	0	1	0
NOV 1987	207	207	7,908	0	30	256	0	0	0	0	7,127	0	0	0	384	111	0	0	0	0
DEC 1987	273	277	10,640	0	80	574	0	0	0	0	8,677	0	0	0	119	928	0	0	261	0
JAN 1988	298	308	11,355	0	120	2,376	1	0	15	0	4,110	0	0	0	1,095	1,104	0	0	2,533	0
FEB 1988	215	219	6,737	0	196	1,893	25	0	4	0	2,965	0	0	0	1,078	112	4	6	453	0
MAR 1988	153	155	4,876	0	75	1,239	84	4	0	0	2,660	0	0	0	374	433	1	0	0	6
TOTAL	2,874	2,782	147,882	5	7,198	41,663	7,630	4	35	22	69,619	0	0	0	8,112	8,518	20	7	5,050	0

SPECIES PERCENTAGE	0.00%	4.87%	28.17%	5.16%	0.00%	0.02%	0.01%	47.08%	0.00%	0.00%	0.00%	0.00%	0.00%	5.49%	5.76%	0.01%	0.00%	3.41%
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AVERAGE CATCH (kg)/HAUL = 53.18

S M A L L P E L L A G I C L A N D I N G S k g

REGION/LANDING CENTER : VII/DAMRO CITY
 FISHERY : COMMERCIAL
 GEAR : RING NET

MONTH	BOAT COUNT	EFFORT hauls	TOTAL WT. kg	S P E C I E S										HER	ENG	FF
				RS	SAR	ANC	RAC	BES	RH	FUS	O	MF	HER			
FEB 1987	90	89	53,568	17,256	2,078	0	5,048	2,623	814	0	18,639	6,800	310	0	0	
MAR 1987	180	178	104,857	60,897	1,237	0	6,106	2,091	1,410	40	32,279	245	552	0	0	
APR 1987	235	235	139,495	56,859	2,425	3	6,039	7,235	12	52	66,575	220	76	0	0	
MAY 1987	210	209	143,077	8,596	0	0	0	4,411	0	0	129,910	0	0	160	0	
JUN 1987	194	194	112,065	17,838	2,479	267	1,661	4,511	1	46	83,612	40	1,610	0	0	
JUL 1987	281	287	259,776	4,733	2,724	0	1,605	9,991	0	0	239,236	1	1,267	220	0	
AUG 1987	204	205	89,506	9,621	5,687	0	4,656	12,192	7	0	55,738	0	1,441	145	0	
SEP 1987	154	159	109,830	3,065	4,395	160	1,341	4,119	635	100	93,300	1,081	1,341	291	0	
OCT 1987	172	180	93,090	6,086	2,144	0	4,254	6,920	80	0	71,805	480	1,319	0	0	
NOV 1987	137	144	56,078	7,611	1,393	0	4,497	8,244	103	0	22,289	1,120	84	0	0	
DEC 1987	157	166	46,326	3,681	2,163	0	9,431	16,260	1,080	280	13,385	20	2,027	0	0	
JAN 1988	154	156	43,298	20,458	492	0	10,725	3,070	1,620	0	5,044	1,880	10	0	0	
FEB 1988	108	112	55,510	18,073	221	0	7,823	10,416	0	0	9,856	9,120	0	0	0	
MAR 1988	134	139	67,056	18,967	1,023	0	7,671	6,178	6,683	0	17,414	8,948	172	0	0	
TOTAL	2,410	2,452	1,375,532	253,741	28,461	430	80,857	98,261	12,444	518	859,084	29,955	10,966	816	0	
SPECIES PERCENTAGE				18.45%	2.07%	0.03%	5.88%	7.14%	0.90%	0.04%	62.45%	2.18%	0.80%	0.06%	0.00%	

AVERAGE CATCH (kg)/HAUL = 560.98

S M A L L P E L A G I C L A N D I N G S k g

REGION/LANDINGS CENTER : VII/DANAO CITY
 FISHERY : MUNICIPAL
 GEAR : ENCIRCLING BILL NET

MONTH	BOAT COURT	EFFORT hauls	TOTAL WT. kg	S P E C I E S										HER	HB		
				RS	SAR	ANC	MAC	BES	RH	FUS	D	MF	FF			ENG	
FEB 1987	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MAR 1987	1	1	30	0	0	0	0	0	0	0	0	0	0	0	0	30	0
APR-DEC 1987	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
JAN-MAR 1988	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	1	1	30	0	0	0	0	0	0	0	0	0	0	0	0	30	0
SPECIES PERCENTAGE				0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	100.00%	0.00%

AVERAGE CATCH (kg)/HAUL = 30.00

S H A L L P E L A G I C L A N D I N G S S k g

REGION/LANDINGS CENTER : VII/DARRAO CITY
 FISHERY : MUNICIPAL
 GEAR : DRIVE-IN NET

MONTH	BOAT COUNT	EFFORT hauls	TOTAL WT. kg	S P E C I E S										HER	HB												
				RS	SAR	ANC	MAC	BES	RH	FUS	W	E	I			G	H	T	FF	ENS							
FEB 1987	55	218	4,263	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
MAR 1987	85	427	6,410	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
APR 1987	94	512	6,582	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
MAY 1987	43	241	3,244	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
JUN 1987	42	224	3,720	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
JUL 1987	53	276	4,540	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
AUG 1987	45	247	4,430	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
SEP 1987	39	175	2,330	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
OCT 1987	39	213	2,390	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
NOV 1987	37	207	2,190	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
DEC 1987	27	149	1,540	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
JAN 1988	17	94	980	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
FEB 1988	21	108	1,390	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
MAR 1988	24	110	2,070	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
TOTAL	622	3,201	46,078	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
SPECIES PERCENTAGE				0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%

AVERAGE CATCH (kg)/HAUL = 14.40

S M A L L P E L A G I C L A N D I N E S k g

REGION/LANDING CENTER : VIL/DANAD CITY
 FISHERY : MUNICIPAL
 GEAR : SURFACE GILL NET

MONTH	BOAT COUNT	EFFORT hauls	TOTAL WT. kg	S P E C I E S											HER	HB		
				RS	SAR	ANC	MAC	BES	RH	FUS	W E I G H T O	MF	FF	ENG				
FEB 1987	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MAR 1987	55	273	366	0	0	0	0	0	0	0	0	0	0	0	366	0	0	0
APR 1987	79	358	197	0	0	0	0	0	0	0	17	0	180	0	0	0	0	0
MAY 1987	7	31	34	0	0	0	0	0	0	0	0	0	34	0	0	0	0	0
JUN-DEC 1987	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
JAN-MAR 1988	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	141	662	638	0	0	0	0	0	0	0	17	0	620	0	0	0	0	0
SPECIES PERCENTAGE				0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	2.66%	0.00%	97.18%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%

AVERAGE CATCH (kg)/HAUL = 0.96

S M A L L P E L A G I C L A N D I N G S k g

REGION/LANDING CENTER : IX/CAMA-CAMA (ZAMBOANGA)
 FISHERY : COMMERCIAL
 GEAR : RING NET

MONTH	BOAT COUNT	EFFORT hauls	TOTAL WT. kg	NO. CATCH COMPOSITION	RS	SAR	ANC	MAC	BES	S P E C I E S				M E I G H T				RSH	SPRAT	HER	HB	MIX		
										RH	FUS	D	MF	ENS	MF	ENS	MF						ENS	MF
FEB 1987	11	27	7,514	272	1,850	3,575	0	1,803	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
MAR 1987	17	23	18,122	0	10,152	7,111	0	850	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
APR 1987	20	28	31,002	0	21,332	4,882	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
MAY 1987	35	51	55,012	0	36,720	14,858	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
JUN 1987	27	39	31,995	0	12,718	15,146	1,592	41	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
JUL 1987	24	29	26,666	0	12,328	8,956	0	1,326	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
AUG 1987	27	31	16,944	0	6,902	4,426	156	985	2,673	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
SEP 1987	35	40	20,536	0	4,076	11,075	0	596	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
OCT 1987	10	10	6,341	0	1,673	4,311	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
NOV 1987	12	12	12,488	0	1,360	10,924	0	102	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
DEC 1987	16	16	17,752	0	5,338	11,322	367	726	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
JAN 1988	31	31	42,714	0	10,704	20,229	0	6,239	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
FEB 1988	39	43	24,956	0	5,148	17,530	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
MAR 1988	36	36	30,702	0	15,046	7,942	34	2,451	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
TOTAL	340	416	342,744	272	145,346	142,288	2,148	15,119	2,673	4,278	0	18,063	0	1,133	9,214	0	0	0	0	0	0	0	0	
SPECIES PERCENTAGE					42.44%	41.55%	0.63%	4.41%	0.78%	1.25%	0.00%	5.27%	0.00%	0.33%	2.69%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.65%

AVERAGE CATCH (kg)/HAUL = 823.90

S M A L L P E L A G I C L A N D I N G S k g

REGION/LANDING CENTER : IX/CAWA-CAWA (ZAMBOANGA)
 FISHERY : COMMERCIAL
 GEAR : BAGNET

MONTH	BOAT COUNT	EFFORT hauls	TOTAL WT. kg	NO CATCH COMPOSITION	S P E C I E S														
					RS	SAR	ANC	MAC	BES	RH	FUS	D	NF	ENG	RSH	SPRAT	HER	HB	MIX
FEB 1987	20	33	17,122	1,054	1,878	9,270	2,722	560	102	979	0	558	0	0	0	0	0	0	0
MAR 1987	38	45	45,084	272	12,818	19,856	7,247	0	0	0	0	1,618	0	3,273	0	0	0	0	0
APR 1987	66	87	69,530	0	40,091	15,956	7,208	0	0	0	0	3,768	0	2,322	0	185	0	0	0
MAY 1987	33	40	41,718	0	28,492	7,480	0	510	0	0	0	4,896	0	340	0	0	0	0	0
JUN 1987	40	56	51,040	0	18,348	18,366	9,087	690	0	0	0	906	0	1,164	2,380	98	0	0	0
JUL 1987	37	44	27,846	918	9,546	7,205	0	256	0	0	0	6,973	0	59	2,074	0	0	0	816
AUG 1987	42	55	40,337	0	3,502	20,044	7,459	1,044	0	0	0	5,665	0	0	1,841	0	0	0	782
SEP 1987	20	24	20,401	0	884	3,906	5,472	1,486	0	0	0	3,383	0	102	4,352	0	0	0	816
OCT 1987	50	59	96,013	306	13,137	41,585	3,512	3,329	0	0	0	791	0	0	29,580	0	0	0	3,774
NOV 1987	25	28	26,180	0	3,541	21,282	60	276	0	0	0	929	0	92	0	0	0	0	0
DEC 1987	47	57	67,422	0	7,201	42,130	1,868	2,341	0	0	0	350	0	0	13,328	0	0	0	204
JAN 1988	40	46	68,102	0	15,508	33,186	499	4,422	129	0	0	315	0	0	8,092	0	0	0	5,950
FEB 1988	40	40	26,656	0	3,176	17,007	1,151	155	0	0	0	714	0	0	3,944	0	0	0	510
MAR 1988	66	76	53,924	0	15,056	16,927	428	1,498	0	0	0	1,472	0	252	8,670	0	0	0	9,622
TOTAL	564	690	651,376	2,550	173,178	274,199	46,713	16,567	231	979	0	32,337	0	7,604	74,261	283	0	0	22,474
SPECIES PERCENTAGE					26.69%	42.26%	7.20%	2.55%	0.04%	0.15%	0.00%	4.98%	0.00%	1.17%	11.45%	0.04%	0.00%	0.00%	3.46%

AVERAGE CATCH (kg)/HAUL = 944.02

S M A L L P E L A G I C L A N D I N G S k g

REGION/LANDINGS CENTER : IX/LABUAN (ZAMBORANGA)
 FISHERY : MUNICIPAL
 GEAR : SURFACE GILL NET

MONTH	BOAT COUNT	EFFORT hauls	TOTAL WT. kg	S P E C I E S W E I G H T k g													
				RS	SAR	ANC	MAC	BES	BH	FUS	0	HF	ENG	MIX	RSH	HER	
FEB 1987	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MAR 1987	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
APR 1987	1	7	170	0	0	0	170	0	0	0	0	0	0	0	0	0	0
MAY-DEC 1987	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
JAN-MAR 1988	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	1	7	170	0	0	0	170	0	0	0	0	0	0	0	0	0	0
SPECIES PERCENTAGE				0.00%	0.00%	0.00%	100.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%

AVERAGE CATCH (kg)/HAUL = 24.29

S M A L L P E L A G I C L A N D I N G S k g

REGION/LANDING CENTER : IX/LABUAN (ZAMBANGA)
 FISHERY : MUNICIPAL
 GEAR : RING NET

MONTH	BOAT COURT	EFFORT hauls	TOTAL WT. kg	S P E C I E S W E I G H T k g																	
				RS	SAR	ARC	MAC	BES	RH	FUS	W	E	I	G	H	T	MF	ENG	MIX	RSH	HER
FEB 1987	15	17	13,022	7,691	4,063	102	1,097	68	0	0	0	1	0	0	0	0	0	0	0	0	
MAR 1987	43	45	53,720	41,208	5,571	1,364	1,933	2,870	0	0	0	471	0	284	0	0	0	0	0	0	
APR 1987	43	39	28,733	7,086	4,760	0	2,550	2,393	0	0	0	11,944	0	0	0	0	0	0	0	0	
MAY 1987	42	43	11,560	3,502	5,236	0	0	782	0	0	0	2,040	0	0	0	0	0	0	0	0	
JUN 1987	51	30	10,234	6,128	3,184	0	170	306	0	0	0	446	0	0	0	0	0	0	0	0	
JUL 1987	28	19	4,420	933	612	0	43	2,142	0	0	0	689	0	0	0	0	0	0	0	0	
AUG 1987	57	32	6,494	576	1,071	0	607	3,945	0	0	0	295	0	0	0	0	0	0	0	0	
SEP 1987	40	40	3,706	11	796	0	341	1,437	0	0	0	1,122	0	0	0	0	0	0	0	0	
OCT 1987	49	44	4,133	1,160	714	0	778	929	0	0	0	552	0	0	0	0	0	0	0	0	
NOV 1987	37	31	3,400	511	1,445	0	445	498	0	0	0	500	0	0	0	0	0	0	0	0	
DEC 1987	42	40	6,766	170	4,893	0	0	1,327	0	0	0	375	0	0	0	0	0	0	0	0	
JAN 1988	41	42	12,138	1,607	7,412	0	1,487	953	0	0	0	680	0	0	0	0	0	0	0	0	
FEB 1988	50	52	12,036	7,902	306	0	891	957	0	0	0	619	0	0	1,360	0	0	0	0	0	
MAR 1988	48	49	12,099	2,556	1,617	0	2,226	1,904	0	0	0	2,810	0	0	646	340	0	0	0	0	
TOTAL	586	523	182,462	81,041	41,680	1,466	12,568	20,531	0	0	0	22,546	0	284	2,006	340	0	0	0	0	
SPECIES PERCENTAGE				44.42%	22.84%	0.80%	6.89%	11.25%	0.00%	0.00%	12.36%	0.00%	0.16%	1.10%	0.19%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%

AVERAGE CATCH (kg)/HAUL = 348.87

S M A L L P E L A G I C L A N D I N G S k g

REGION/LANDING CENTER : IX/LABUAN (ZAMBOANGA)
 FISHERY : MUNICIPAL
 GEAR : BEACH SEINE

MONTH	BOAT COUNT	EFFORT hauls	TOTAL WT. kg	S P E C I E S										W E I G H T k g			
				RS	SAR	ANC	MAC	BES	RH	FUS	O	NF	ENG	MIX	RSH	HER	
FEB 1987	3	3	552	0	0	372	0	0	0	0	0	180	0	0	0	0	0
MAR 1987	2	2	850	281	24	399	46	0	0	0	0	111	0	0	0	0	0
APR 1987	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MAY 1987	2	3	952	748	204	0	0	0	0	0	0	0	0	0	0	0	0
JUN 1987	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
JUL 1987	1	1	445	0	155	2	0	0	0	0	0	184	0	105	0	0	0
AUG 1987	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SEP 1987	2	2	2,550	0	1,596	0	464	0	0	0	0	490	0	0	0	0	0
OCT 1987	1	1	272	0	0	0	0	272	0	0	0	0	0	0	0	0	0
NOV 1987	1	1	170	0	170	0	0	0	0	0	0	0	0	0	0	0	0
DEC 1987	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
JAN 1988	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
FEB 1988	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MAR 1988	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	12	13	5,791	1,029	2,149	763	510	272	0	0	0	964	0	105	0	0	0
SPECIES PERCENTAGE				17.76%	37.10%	13.18%	8.81%	4.70%	0.00%	0.00%	0.00%	16.64%	0.00%	1.81%	0.00%	0.00%	0.00%

AVERAGE CATCH (kg)/HAUL = 445.44

**Catch contribution by
tonnage class**

QUANTITY OF SMALL PELAGIC FISH LAIDED BY COMMERCIAL FISHING VESSELS BY TONNAGE CLASS

REGION/LANDING CENTER : V (MERCEDES)/BICOL
 FISHERY : COMMERCIAL
 BEAR : BARNET

TONNAGE CLASS	NUMBER OF BOATS	TOTAL GROSS TONNAGE	TOTAL PERCENT CATCH %	TOTAL CATCH kg	BOAT CATCH BY SPECIES (KG)												
					RS	SAR	ANC	HAC	RH	BES	FUS	D	HF	MIX	HER	ENG	HB
3 - 9.99	4	38.9	15.45%	71,260	9,529	8,929	30,059	1,259	743	405	0	18,707	0	1,570	0	0	0
10 - 19.99	20	293.41	48.71%	224,554	25,934	22,901	96,541	3,729	2,401	2,993	90	64,681	0	5,285	0	0	0
20 - 49.99	10	270.38	35.84%	165,208	23,422	15,766	63,853	2,956	1,490	979	0	52,568	0	4,175	0	0	0
50 - 99.99																	
100 - 199.99																	
200 - 299.99																	
300 - 399.99																	
TOTAL	34	603		460,962	58,885	47,596	190,452	7,944	4,634	4,376	90	135,955	0	11,030	0	0	0

REGION II :

01-Jan-80 TODAY

QUANTITY OF SMALL PELAGIC FISH LANDED BY COMMERCIAL FISHING VESSELS BY TONNAGE CLASS

REGION/LANDING CENTER : II/AMBONGA
 FISHERY : COMMERCIAL
 GEAR : BAGNET

TONNAGE CLASS	NUMBER OF BOATS	TOTAL GROSS TONNAGE	PERCENT CATCH %	TOTAL CATCH kg	BOAT CATCH BY SPECIES kg											
					RS	SAR	AHC	HAC	BES	RH	FUS	0	MF	ENG	SPRAT	HER
3 - 9.99	12	63.71	35.342	201,583	47,190	108,263	9,314	10,779	231	0	0	3,689	0	1,949	73	0
10 - 19.99	17	239.7	48.742	278,000	80,112	106,529	28,115	3,775	0	979	0	17,167	0	8,064	158	0
20 - 49.99	12	336.58	12.452	71,026	23,471	32,666	4,639	1,463	0	0	0	3,208	0	385	52	0
50 - 99.99	1	58.32	1.572	8,976	918	4,780	575	549	0	0	0	495	0	299	0	0
100 - 199.99			1.492	8,500	6,120	1,190	0	0	0	0	0	1,190	0	0	0	0
500- 599.99			0.412	2,312	0	1,378	789	0	0	0	0	145	0	0	0	0
T O T A L	37	685.31		570,397	157,811	254,807	43,452	16,567	231	979	0	25,894	0	10,697	283	0

QUANTITY OF SMALL PELAGIC FISH LANDED BY COMMERCIAL FISHING VESSELS BY TONNAGE CLASS

REGION/LANDING CENTER : V (MERCEDES)/BICOL
 FISHERY : COMMERCIAL
 GEAR : TRAWL

TONNAGE CLASS	NUMBER OF BOATS	TOTAL GROSS TONNAGE	TOTAL PERCENT CATCH %	TOTAL CATCH kg	BOAT CATCH BY SPECIES (KG)										
					RS	SPR	ANC	MAC	BES	BN	FUS	O	MF	MIX	RB
3 - 9.99	10	52.74	29.70%	39685	17.5	663.5	5074	0	17.5	397	0	33515.5	0	0	0
10 - 19.99	1	12.46	2.61%	3482.5	0	0	105	0	0	17.5	0	3360	0	0	0
20 - 49.99	3	90.14	47.30%	63193	35	2754	8888	559	227	1266	0	49409	0	55	0
50 - 99.99	3	229.79	20.39%	27244.5	0	682.5	1137.5	52.5	435	365	0	24572	0	0	0
100 - 199.99															
200 - 299.99															
TOTAL	17	365.13		133,605	53	4,100	15,205	612	680	2,046	0	110,857	0	55	0

QUANTITY OF SMALL PELAGIC FISH LANDED BY COMMERCIAL FISHING VESSELS BY TONNAGE CLASS

REGION/LANDING CENTER : VII/DANAO
 FISHERY : COMMERCIAL
 GEAR : RING NET

TONNAGE CLASS	NUMBER OF BOATS	TOTAL GROSS TONNAGE	PERCENT CATCH %	TOTAL CATCH kg	BOAT CATCH BY SPECIES kg											
					RS	SAR	ANC	MAC	BES	RH	FUS	O	MF	HER	ENG	FF
3 - 9.99	2	15.19	10.36%	129,366	24,367	2,443	1	10,799	15,048	166	0	75,562	80	900	0	0
10 - 19.99	20	312.14	39.71%	495,661	93,052	13,060	293	31,333	25,959	2,010	100	314,526	10,441	4,613	275	0
20 - 49.99	15	357.98	49.93%	623,227	108,760	9,402	78	24,672	42,675	7,601	418	411,136	14,081	4,023	381	0
TOTAL	37	685.31		1,248,254	226,178	24,905	372	66,804	83,682	9,777	518	801,224	24,602	9,535	656	0

QUANTITY OF SMALL PELAGIC FISH LANDED BY COMMERCIAL FISHING VESSELS BY TONNAGE CLASS

REGION/LANDING CENTER : IX (CANANG-CANA)/ZANGDANEA
 FISHERY : COMMERCIAL
 GEAR : RING NET

TONNAGE CLASS	NUMBER OF BOATS	TOTAL BRUSS TONNAGE	PERCENT CATCH %	TOTAL CATCH Kg	BOAT CATCH BY SPECIES (KG)									
					RS	SBR	ANC	KAC	BES	RH	FUS	O	MF	ENG
3 - 9.99	25	136.17	71.13%	157,412	82,380	3,441	6,674	1,619	8	14	6,278	0	0	3,128
10 - 19.99	7	92.56	28.87%	63,904	23,532	733	3,074	0	0	0	1,598	0	170	860
20 - 49.99														
50 - 99.99														
100 - 199.99														
200 - 299.99														
TOTAL	32	228.73	0	221,316	105,912	4,174	9,748	1,619	8	14	7,876	0	170	3,808

QUANTITY OF SMALL PELAGIC FISH LANDED BY COMMERCIAL FISHING VESSELS BY TONNAGE CLASS, 1987 - 1988

REGION/LANDING CENTER : NAVOTAS FISH PORT, MANILA
 FISHERY : COMMERCIAL
 GEAR : MURD-ANKI

TONNAGE CLASS	NUMBER OF BOATS	TOTAL GROSS TONNAGE	PERCENT CATCH %	TOTAL CATCH kg	BOAT CATCH BY SPECIES (KG)																
					RS	SS	ANC	MAC	REG	RP	FUS	0	NF	FF	EWS	HER					
3 - 9.99																					
10 - 19.99																					
20 - 49.99																					
50 - 99.99																					
100 - 199.99	3	420.16	9.22%	970,965	78,120	0	0	17550	1,485	0	607,590	266,220	0	0	0	0	0	0	0	0	
200 - 299.99	5	1475.27	16.98%	1,797,670	2,700	0	0	2525	1,440	0	1,316,925	463,580	0	0	0	0	0	0	0	0	
300 - 399.99	18	4099.13	50.81%	5,349,375	57,465	0	0	25335	0	0	3,788,280	1,478,295	0	0	0	0	0	0	0	0	
400 - 499.99	7	3090.06	22.98%	2,419,650	43,740	0	0	13405	0	0	1,839,645	517,880	0	0	0	0	0	0	0	0	
500 - 599.99																					
OVER																					
TOTAL	33	11,085		10,527,660	182,025	0	0	64,215	2,925	0	7,552,440	2,726,055	0	0	0	0	0	0	0	0	0

1 FEBRUARY 1987 - MARCH 1988

QUANTITY OF SMALL PELAGIC FISH LANDED BY COMMERCIAL FISHING VESSELS BY TONNAGE CLASS, 1987 - 1988 *

REGION/LANDING CENTER : NAVOTAS FISH PORT, MANILA
 FISHERY : COMMERCIAL
 GEAR : PURSE SEINE

TONNAGE CLASS	NUMBER OF BOATS	TOTAL GROSS TONNAGE	PERCENT CATCH %	TOTAL CATCH kg	BOAT CATCH BY SPECIES (KG)											
					RS	SR	ANC	NAC	BES	RH	FUS	O	MF	FF	ENG	HER
3 - 9.99	22	165.03	8.68%	6,373,845	3,927,420	990,000	1,260	273,645	77,490	10,080	7,605	1,018,440	67,905	0	0	0
10 - 19.99	26	343.57	8.14%	5,976,740	3,760,765	920,200	58,635	498,690	172,980	35,910	21,600	443,025	66,735	0	0	0
20 - 49.99	40	1,395.11	15.00%	11,015,170	6,653,835	2,241,090	38,745	718,270	131,355	30,600	20,430	1,124,505	56,340	0	0	0
50 - 99.99	69	5,651.18	10.49%	7,704,135	5,129,280	664,520	17,505	439,335	219,420	27,495	93,735	861,750	31,095	0	0	0
100 - 199.99	97	14,414.05	23.71%	17,412,810	9,902,380	2,601,045	169,875	1,566,180	589,860	101,520	164,160	2,262,285	14,400	0	0	0
200 - 299.99	47	11,537.91	24.87%	18,263,223	9,853,650	3,574,060	198,090	2,092,923	563,895	22,680	141,345	1,711,620	51,210	0	0	0
300 - 399.99	12	4,244.61	7.37%	5,411,160	2,616,975	1,119,699	53,370	615,690	253,215	12,870	47,520	665,010	23,535	3,285	0	0
400 - 499.99	2	815.57	0.25%	185,310	163,215	0	0	17,910	2,070	0	0	2,115	0	0	0	0
500 - 599.99	1	506.43	0.77%	584,345	217,125	105,390	0	20,475	37,890	35,550	0	140,285	7,650	0	0	0
OVER	1	936.69	0.73%	534,735	96,350	60,300	0	0	3,420	0	78,885	295,740	0	0	0	0
TOTAL	317	40,010.15		73,443,973	42,321,435	12,496,315	537,480	6,243,118	2,051,595	276,705	575,280	8,524,755	318,870	3,285	0	0

* FEBRUARY 1987 - MARCH 1988

QUANTITY OF SMALL PELAGIC FISH LANDED BY COMMERCIAL FISHING VESSELS BY TONNAGE CLASS, 1987 - 1988 †

REGION/LANDING CENTER : NAVOTAS FISH PORT , MANILA
 FISHERY : COMMERCIAL
 GEAR : TRAWL

TONNAGE CLASS	NUMBER OF BOATS	TOTAL GROSS TONNAGE	PERCENT CATCH %	TOTAL CATCH kg	BOAT CATCH BY SPECIES (KG)												
					RS	SAR	ANC	MAC	BES	RH	FUS	O	KF	FF	ENG	HER	
3 - 9.99																	
10 - 19.99																	
20 - 49.99	20	751.05	4.02%	226,110	22,300	180	315	12,825	315	1,395	0	248,445	135	0	0	0	
50 - 99.99	36	2,968.30	39.92%	2,843,865	238,230	69,850	2,340	119,070	82,575	21,915	45	2,309,860	675	0	1,305	0	
100 - 199.99	27	3,764.94	56.06%	3,793,885	389,025	141,930	10,620	130,410	152,325	46,620	0	3,121,605	1,350	0	0	0	
200 - 299.99																	
300 - 399.99																	
400 - 499.99																	
500 - 599.99																	
OVER																	
T O T A L	83	7,484.29		7,123,860	649,755	210,960	13,275	282,305	235,215	69,930	45	5,678,910	2,160	0	1,305	0	

† FEBRUARY 1987 - MARCH 1988

QUANTITY OF SMALL PELAGIC FISH LANDED BY COMMERCIAL FISHING VESSELS BY TONNAGE CLASS, 1987 - 1988

REGION/LANDING CENTER : IV (MELANICANU/QUEZON)
 FISHERY : COMMERCIAL
 GEAR : BAGNET

TONNAGE CLASS	NUMBER OF BOATS	TOTAL GROSS TONNAGE	PERCENT CATCH	TOTAL CATCH kg	BOAT CATCH BY SPECIES (KG)																
					SS	EAR	ANC	MAC	SES	RH	FUS	0	MIX	FF	ANCJUV	AMCSPP	H5	TUNA	MF	HER	
3 - 9.99	8	74.52	11.26%	51,847	8,555	216	33,719	175	0	0	140	4,769	1,418	0	0	0	0	2,555	0	0	
10 - 49.99	20	324.12	49.17%	185,018	26,859	4,043	78,533	1,050	53	53	394	57,851	7,105	0	0	490	0	6,558	0	0	
50 - 99.99	24	600.36	48.57%	223,685	32,450	4,670	33,441	1,161	61	543	104	123,013	2,870	0	0	0	0	25,323	0	0	
100 - 199.99																					
200 - 299.99																					
300 - 399.99																					
400 - 499.99																					
500 - 599.99																					
OVER																					
TOTAL	52	999.00		460,549	68,224	8,949	145,693	2,386	114	595	638	185,633	11,393	0	0	490	0	36,435	0	0	

1 FEBRUARY 1987 - MARCH 1988

QUANTITY OF SMALL PELAGIC FISH LANDED BY COMMERCIAL FISHING VESSELS BY TONNAGE CLASS, 1987 - 1988 †

REGION/LANDINGS CENTER : IV (DALRYMPAN)/QUEZON
 FISHERY : COMMERCIAL
 GEAR : TRAWL

TONNAGE CLASS	NUMBER OF BOATS	TOTAL GROSS TONNAGE	PERCENT CATCH	TOTAL CATCH kg	BOAT CATCH BY SPECIES (KG)													
					RS	SAR	SAC	NAC	PES	RH	FUS	0	KIA	FF	ARCJUV	HB	TUNA	HER
3 - 9.99	1	5.07	3.06%	1,400	0	35	0	35	0	0	0	0	1,285	35	0	0	0	0
10 - 19.99	10	138.22	96.03%	43,995	1,995	4,533	2,004	438	70	1,103	0	0	36,391	298	0	0	0	0
20 - 49.99	1	20.90	0.92%	420	0	0	0	0	0	0	0	0	420	0	0	0	0	0
50 - 99.99																		
100 - 199.99																		
200 - 299.99																		
300 - 399.99																		
400 - 499.99																		
500 - 599.99																		
OVER																		
TOTAL	12	164.19		45,815	1,995	4,568	2,004	473	70	1,103	0	0	38,106	333	0	0	0	0

† FEBRUARY 1987 - MARCH 1988

QUANTITY OF SMALL PELAGIC FISH LANDED BY COMMERCIAL FISHING VESSELS BY TONNAGE CLASS, 1987 - 1988

REGION/LANDING CENTER : V (MERCEDES)/BICOL
 FISHERY : COMMERCIAL
 GEAR : BRIGET

TONNAGE CLASS	NUMBER OF BOATS	TOTAL GROSS TONNAGE	PERCENT CATCH %	TOTAL CATCH kg	BOAT CATCH BY SPECIES (KG)											
					AS	SPR	ANC	MAC	RH	BES	FUS	MIX	HER	ENG	HB	
3 - 9.99	4	38.90	12.422	72,932	9,597	9,424	30,824	1,259	878	405	0	18,977	0	1,570	0	0
10 - 19.99	21	315.21	45.802	269,026	29,733	28,566	113,723	4,550	2,548	3,769	90	75,718	0	5,330	0	0
20 - 49.99	21	528.78	41.782	245,398	34,074	26,778	73,003	3,979	2,424	1,913	90	73,243	0	4,895	0	0
50 - 99.99																
100 - 199.99																
200 - 299.99																
300 - 399.99																
400 - 499.99																
500 - 599.99																
OVER																
TOTAL	46	862.89		587,357	73,404	64,768	247,549	9,789	5,849	6,086	180	167,938	0	11,795	0	0

FEBRUARY 1987 - MARCH 1988

QUANTITY OF SMALL PELAGIC FISH LANDED BY COMMERCIAL FISHING VESSELS BY TONNAGE CLASS, 1987 - 1988 :

REGION/LANDING CENTER : V (MERCEDES)/SICOL
 FISHERY : COMMERCIAL
 GEAR : TRAWL

TONNAGE CLASS	NUMBER OF BOATS	TOTAL GROSS TONNAGE	PERCENT CATCH %	TOTAL CATCH kg	BOAT CATCH BY SPECIES (kg)											
					RS	SAR	ANC	MAC	BES	RH	FUS	0	MF	MIX	HB	
3 - 9.99	10	52.74	29.702	39,685	18	664	5,074	0	18	397	0	37,316	0	0	0	0
10 - 19.99	1	12.46	2.612	3,483	0	0	105	0	0	18	0	3,360	0	0	0	0
20 - 49.99	3	90.14	47.302	63,193	35	2,754	8,898	559	227	1,266	0	49,409	0	55	0	0
50 - 99.99	3	223.79	20.392	27,245	0	683	1,139	53	435	365	0	24,572	0	0	0	0
100 - 199.99																
200 - 299.99																
300 - 399.99																
400 - 499.99																
500 - 599.99																
OVER																
TOTAL	17	395.13		135,605	53	4,100	15,205	612	680	2,056	0	110,857	0	55	0	0

: FEBRUARY 1987 - MARCH 1988

QUANTITY OF SMALL PELAGIC FISH LANDED BY COMMERCIAL FISHING VESSELS BY TONNAGE CLASS, 1987 - 1988 †

REGION/LANDING CENTER : VI (SARAGO)/SADOLLO
 FISHERY : COMMERCIAL
 GEAR : PUREE SEINE

TONNAGE CLASS	NUMBER OF BOATS	TOTAL GROSS TONNAGE	PERCENT CATCH %	TOTAL CATCH kg	BOAT CATCH BY SPECIES (KG)													
					RS	SAR	ANC	MAC	RES	RN	FUS	O	MF	HER	ENG	RSJUV	RIX	
3 - 9.99																		
10 - 19.99	3	45.63	12.46%	179,571	24,491	37,339	0	37,827	1,388	1,968	0	25,540	0	0	0	925	0	
20 - 49.99	7	296.19	19.85%	242,003	22,442	51,503	4,000	48,683	3,082	7,370	0	36,171	0	0	0	100	2,600	
50 - 99.99	16	1,354.42	55.66%	600,155	43,875	96,113	450	98,500	6,475	14,525	0	130,900	0	0	0	750	0	
100 - 199.99	10	1,344.55	51.64%	91,775	8,675	10,700	0	13,725	350	25	0	11,200	0	0	0	0	0	
200 - 299.99	1	264.58	9.36%	174,825	7,325	103,475	100	4,525	0	5,775	0	4,575	0	0	0	0	0	
300 - 399.99																		
400 - 499.99																		
500 - 599.99																		
OVER																		
T O T A L	37	3,305.41		1,437,859	106,208	299,129	4,550	203,460	11,293	29,663	0	208,367	0	0	0	1,775	2,800	

† FEBRUARY 1987 - MARCH 1988

QUANTITY OF SMALL PELAGIC FISH LANDED BY COMMERCIAL FISHING VESSELS BY TONNAGE CLASS, 1987 - 1988

REGION/LANDINGS CENTER : VI (BANABO) SACCLBO
 FISHERY : COMMERCIAL
 GEAR : TRAWL

TONNAGE CLASS	NUMBER OF BOATS	TOTAL GROSS TONNAGE	PERCENT CATCH %	TOTAL CATCH kg	BOAT CATCH BY SPECIES (kg)													
					RS	SAR	ANC	MAC	BES	EM	FUS	O	KF	KER	ENG	RSJU7	MIX	
3 - 9.99	2	17.36	0.75%	15,475	0	0	0	0	0	0	0	0	12,725	0	0	0	0	0
10 - 19.99	7	99.23	4.58%	94,595	0	0	0	0	0	0	0	0	78,195	0	0	0	0	0
20 - 49.99	14	477.07	16.44%	339,984	2,525	200	200	5,930	0	0	0	0	219,375	0	0	0	0	0
50 - 99.99	12	985.83	29.78%	615,737	52,512	1,928	0	19,259	2,401	25	0	0	351,150	0	0	0	0	0
100 - 199.99	9	937.49	46.45%	1,001,799	111,622	2,050	50	26,014	2,675	750	0	0	753,863	50	0	0	0	200
200 - 299.99																		
300 - 399.99																		
400 - 499.99																		
500 - 599.99																		
OVER																		
T O T A L	44	2,417.18		2,067,740	176,659	4,175	250	51,203	5,076	775	0	1,455,352	50	0	0	0	0	200

8 FEBRUARY 1987 - MARCH 1988

QUANTITY OF SMALL PELAGIC FISH LANDED BY COMMERCIAL FISHING VESSELS BY TONNAGE CLASS, 1987 - 1988 1

REGION/LANDING CENTER : VII/DANAD
 FISHERY : COMMERCIAL
 GEAR : RINS NET

TONNAGE CLASS	NUMBER OF BOATS	TOTAL GROSS TONNAGE	PERCENT CATCH %	TOTAL CATCH kg	BOAT CATCH BY SPECIES (KG)									
					RS	SAR	ANC	MAC	BES	SH	FUS	O	NF	ENG
3 - 9.99	2	15.19	10.36%	129,366	24,367	2,443	1	10,799	15,048	166	0	75,562	60	0
10 - 19.99	20	312.14	39.71%	495,661	93,052	13,060	293	31,333	25,959	2,010	100	314,526	10,441	275
20 - 49.99	15	357.98	49.93%	623,227	108,760	9,402	78	24,672	42,675	7,601	418	411,136	14,081	381
50 - 99.99														
100 - 199.99														
200 - 299.99														
300 - 399.99														
400 - 499.99														
500 - 599.99														
OVER														
T O T A L	37	685.31		1,248,254	226,178	24,905	372	66,804	83,682	9,777	518	801,224	24,602	656

1 FEBRUARY 1987 - MARCH 1988

QUANTITY OF SMALL PELAGIC FISH LANDED BY COMMERCIAL FISHING VESSELS BY TONNAGE CLASS, 1987 - 1988 †

REGION/LANDING CENTER : IX(CANA-CANA)/ZAMBOANGA
 FISHERY : COMMERCIAL
 GEAR : BAGNET

TONNAGE CLASS	NUMBER OF BOATS	TOTAL GROSS TONNAGE	PERCENT CATCH %	TOTAL CATCH kg	BOAT CATCH BY SPECIES (KG)											
					RS	SAR	ANC	MAC	BES	RH	FUS	O	MF	ENG	SPRAT	HER
3 - 9.99	12	83.71	35.34%	201,583	47,190	108,263	9,314	10,779	231	0	0	3,689	0	1,947	73	0
10 - 19.99	17	239.70	48.74%	278,000	80,112	106,529	28,115	3,775	0	979	0	17,167	0	8,064	158	0
20 - 49.99	12	336.58	12.45%	71,026	23,471	32,666	4,659	1,463	0	0	0	3,208	0	395	52	0
50 - 99.99	1	98.32	1.57%	8,976	918	4,780	575	549	0	0	0	495	0	259	0	0
100 - 199.99	2	224.20	1.49%	8,500	6,120	1,190	0	0	0	0	0	1,190	0	0	0	0
200 - 299.99																
300 - 399.99																
400 - 499.99																
500 - 599.99	1	599.60	0.41%	2,312	0	1,378	789	0	0	0	0	145	0	0	0	0
OVER																
T O T A L	45	1,582.31		570,397	157,811	254,807	43,452	16,567	231	979	0	25,894	0	10,697	283	0

† FEBRUARY 1987 - MARCH 1988

QUANTITY OF SMALL PELAGIC FISH LANDED BY COMMERCIAL FISHING VESSELS BY TONNAGE CLASS, 1987 - 1988 †

REGION/LANDING CENTER : IX(CANA-CAMA)/ZAMBANGA
 FISHERY : COMMERCIAL
 GEAR : RING NET

TONNAGE CLASS	NUMBER OF BOATS	TOTAL GROSS TONNAGE	PERCENT CATCH %	TOTAL CATCH kg	BOAT CATCH BY SPECIES (KG)											
					RS	SAR	ARC	HAC	BES	RH	FUS	O	MF	RSH	HER	SPRAT
3 - 9.99	36	213.88	72.162	250,276	96,680	115,216	5,944	11,043	1,617	8	14	11,004	0	7,484	0	0
10 - 19.99	12	165.21	22.452	77,878	39,897	28,904	733	3,074	442	0	0	3,332	0	1,258	0	0
20 - 49.99	6	170.67	5.392	18,700	11,768	6,154	0	0	0	0	0	306	0	272	0	0
50 - 99.99	2	132.70	0.002	0	0	0	0	0	0	0	0	0	0	0	0	0
100 - 199.99																
200 - 299.99																
300 - 399.99																
400 - 499.99																
500 - 599.99																
OVER																
T O T A L	56	682.46		346,854	148,546	150,273	6,677	14,117	2,061	8	14	54,642	0	9,214	0	0

† FEBRUARY 1987 - MARCH 1988

Species composition data

FISHERY	COMMERCIAL														
REGION	NCR														
GEAR	TRAWL														
LANDING SITE	NAVOTAS FISHING PORT														
	Sample weight (gms.)														
SPECIES COMPOSITION	FEB	MAR	APR	MAY	JUN	JULY	AUG	SEPT	OCT	NOV	DEC	JAN'88	FEB'88	MAR'88	APR'88
<i>Decapterus macrosoma</i>		2,990	70		2,949	8,770	3,488	416	4,932	7,890	6,515	80	90		
<i>Decapterus kurroides</i>		3,250				2,250	4,890		3,320	6,380	1,270	1,950	100		
<i>Decapterus maruadsi</i>		7,263	1,980	4,584	7,495	8,555	6,887	5,920	10,440	18,978	11,279	12,132		2,280	
<i>Decapterus russelli</i>		9,440	160		400	970		550	3,100	1,680	940	3,550			
<i>Decapterus macarellus</i>						8,650									
<i>Rastrelliger brachysoma</i>		3,020			4,590		1,320	3,545	1,300		110	6,658	1,290	2,330	
<i>Rastrelliger faughni</i>		9,615			1,248	1,200	3,340	6,687	1,863	2,030	1,613	505	1,310	4,930	
<i>Rastrelliger kanagurta</i>		13,125	2,860	3,700	6,700	5,980		1,915	6,548	6,020	4,490	6,030		5,000	
<i>Sardinella fimbriata</i>		3,514		5,010	4,290			1,400		3,059	3,253	1,907	85		
<i>Sardinella sirm</i>					6,235		70	2,108	2,900	2,435	2,209	172			
<i>Sardinella longiceps</i>				1,320	3,163	170	3,239	182	40	305	71	2,575	1,700		
<i>Sardinella brachysoma</i>				4,710	130		60					1,780	1,095		
<i>Selar crumenophthalmus</i>		5,225	3,990	2,450		3,930	3,948	12,236	5,854	8,320	6,525	11,485	4,190	4,470	
<i>Selar boops</i>	2,220	2,370	1,240	230		470	1,660	1,190	8,490	1,850	3,900	8,440	4,750	2,930	
<i>Scomber japonicus</i>		290													
<i>Scomber australasicus</i>		70			2,150	70		4,270	1,760						
<i>Dussumieria acuta</i>		2,348		2,516	2,310		4,275	3,984	40	3,155		848	30	1,300	
<i>Dussumieria elopsoides</i>												100			
<i>Stolephorus devisi</i>				30	90										
<i>Stolephorus heterolobus</i>				3,435											
<i>Stolephorus commersonii</i>				1,260	990										
<i>Stolephorus indicus</i>										20					
<i>Engraulis japonicus</i>				638	495										
<i>Caesio chrysozona</i>	1,350														
<i>Mene maculata</i>				1,750						2,250	2,830	2,350	1,945		
<i>Herklotsichthys sp.</i>										220	20				
Flying Fish							50	50	333	55					
Others	220	825	300	2,667	195	430	113	192	965	543	160	1,098	100	225	
Total	3,790	63,345	10,600	34,300	45,680	42,085	28,450	47,965	57,195	60,660	45,385	59,405	14,640	23,465	

FISHERY	COMMERCIAL														
REGION	NCR														
GEAR	PURSE SEINE														
LANDING SITE	NAVOTAS FISHING PORT														
	Sample weight (gms.)														
SPECIES COMPOSITION	FEB	MAR	APR	MAY	JUN	JULY	AUG	SEPT	OCT	NOV	DEC	JAN'88	FEB'88	MAR'88	APR'88
<i>Decapterus macrosoma</i>	6,013	45,135	65,906	59,432	42,863	30,608	11,736	28,929	33,056	28,675	15,925	29,641	34,911	32,004	40,943
<i>Decapterus russelli</i>	7,759	11,896	9,491	2,917		5,200	1,550	4,860		9,870		2,170	8,753	13,953	4,900
<i>Decapterus kurroides</i>	3,339	2,539	3,936	5,603	2,300					3,350		2,150	6,420	2,210	3,402
<i>Decapterus maruadsi</i>	13,714	9,502	10,648	6,772	6,804	15,537	9,765	16,410	19,080	15,950	13,836	14,035	12,693	10,776	12,150
<i>Decapterus macarellus</i>	4,950	6,846		3,300		6,340	2,980	10,360				260			
<i>Sardinella fimbriata</i>	10,114	1,554	654	4,376		50	140	3,080	308	3,745	10,837	3,728	4,250	6,319	352
<i>Sardinella sirm</i>	9,139	11,635	9,589	10,599	13,260	10,967	7,864	11,685	13,875	8,605	4,778	16,710	10,377	12,548	12,365
<i>Sardinella longiceps</i>	204		29,897	18,475	10,080	17,055	8,023	6,644	11,577	693	3,719	402	3,933	4,145	165
<i>Sardinella brachysoma</i>		60				1,946	120				340				
<i>Selar crumenophthalmus</i>	14,114	15,010	20,406	15,015	18,377	28,525	10,612	20,693	20,796	19,645	11,660	8,018	27,992	4,833	19,770
<i>Selar boops</i>	732		465	55	2,200	3,330	1,950	2,080	100	988	3,170	1,175	150	130	80
<i>Dussumieria acuta</i>	364	640	936		342	608	1,622	2,650	2,662	908	2,370	5,580	900	335	
<i>Dussumieria elopsoides</i>											670				
<i>Rastrelliger faughni</i>	4,642	2,434	160	340	4,322	10,794	5,740	7,665	4,503	4,469	252	4,460	5,885	5,570	8,292
<i>Rastrelliger kanagurta</i>	3,249	10,118	23,566	20,942	4,770	15,210	8,284	10,833	9,285	14,020	4,940	36,649	17,417	9,857	14,087
<i>Rastrelliger brachysoma</i>	1,719														
<i>Scomber australasicus</i>		3,621	2,730	9,689	8,283	516	5,403	7,379	13,375		3,375	1,255	1,387	1,488	
<i>Scomber japonicus</i>		3,200		150				1,426				2,010			
<i>Stolephorus heterolobus</i>			878												
<i>Stolephorus indicus</i>										1,305				48	
<i>Engraulis japonicus</i>	58											10	15	10	
<i>Mene maculata</i>		1,770								3,300		3,290			
<i>Caesio diorama</i>		90		10											
<i>Herklotsichthys sp.</i>					60	1,415	70	40			240				15
Flying fish	440	348	51	205		215		60	390				103	60	
Half beak			56				80						72		
Others	1,195	3,479	3,896	2,372	259	2,554	1,341	2,196	778	1,167	1,473	387	1,487	1,859	1,519
Total	81,745	129,877	183,275	160,252	113,920	150,870	77,280	136,990	129,785	116,690	77,585	131,930	136,745	106,145	118,040

FISHERY	COMMERCIAL															
REGION	IV															
GEAR	BAG NET															
LANDING SITE	DALAHICAN, LUCENA CITY															
	Sample weight (gms.)															
SPECIES COMPOSITION	FEB	MAR	APR	MAY	JUN	JULY	AUG	SEPT	OCT	NOV	DEC	JAN'88	FEB'88	MAR'88	APR'88	
<i>Decapterus kurroides</i>	6,480	2,645	570									775				
<i>Decapterus russelli</i>	290	830	2,150	1,220								30				
<i>Decapterus macrosoma</i>	4,212	4,190	1,465	750					95			9,600		10		
<i>Decapterus maruadsi</i>		4,110	2,625	685								260	1,338			
Juvenile Roundscads	80			35												
Roundscad spp.	20															
<i>Stolephorus devisi</i>	385	3										5				
<i>Stolephorus indicus</i>	25	540							15		1,090	25	40	10		
<i>Stolephorus punctifer</i>	533	800	1,659	605					455	30	1,990	2,862	45			
<i>Stolephorus heterolobus</i>	1,090	1,556	3,588	1,989					1,490	437		3,148	375	830		
<i>Stolephorus ronquilloi</i>	200															
Anchovies spp.	80	100														
<i>Sardinella fimbriata</i>	25	1,815	2,186			80	410		30			460	5,735	5		
<i>Sardinella brachysoma</i>		650	270													
<i>Sardinella longiceps</i>		60														
Sardines spp.									20							
Sardines juvenile										70						
<i>Rastrelliger faughni</i>	297	1,930							710	1,180	5	1,228	850	3,255		
<i>Scomber australasicus</i>		30														
<i>Dussumieria acuta</i>		430	730									410	850			
<i>Dussumieria elopoides</i>	145	1,220	125				620						995			
Round herring sp.										35						
Selar boops						1,510				2,000			1,360			
<i>Engraulis japonicus</i>	1,549	2,220	2,281	90					85		325	2,078	115	3		
<i>Spratelloides gracilis</i>			4,810	1,345					85			10		10		
<i>Spratelloides delicatulus</i>			270													
<i>Spratelloides</i> sp.		500														
<i>Caesio tile</i>		1,450	910													
<i>Caesio caeruleus</i>		690														
<i>Caesio chryzozona</i>		30	680	20												
<i>Caesio erythrogaster</i>		35														
<i>Caesio pisang</i>			265	25												
<i>Caesio diorama</i>			85													
<i>Caesio</i> sp.		450	110													
<i>Emmelichthys</i> sp.			146						30							
<i>Herklotsichthys</i> sp.		170	60	540		1,930						20				
Others	3,269	438	246	926					80	198	170	1,522	65	28		
Total	18,680	26,892	25,231	8,230		3,520	1,030		3,095	3,950	3,585	22,428	11,768	4,151		

FISHERY	MUNICIPAL														
REGION	IV														
GEAR	ROUND HAUL SEINE (LAWAG)														
LANDING SITE	DALAHICAN, LUCENA CITY														
	Sample weight (gms.)														
SPECIES COMPOSITION	FEB	MAR	APR	MAY	JUN	JULY	AUG	SEPT	OCT	NOV	DEC	JAN'88	FEB'88	MAR'88	APR'88
<i>Decaplerus maruadsi</i>			530									50			
<i>Decaplerus macrosoma</i>	1,681	2,118							10	1,365		13	25	6	10
<i>Decaplerus kurruides</i>	410	705													
<i>Decaplerus russelli</i>	415	615													
Roundscads sp.	166														
<i>Sardinella fimbriata</i>	90	2,429	1,575	100				30	1,405	910	565	2,200	1,500	89	350
<i>Sardinella brachysoma</i>		545	30						10						
Juvenile Sardines										350					
Sardines sp.	255		870						35	45					
<i>Stolephorus devisi</i>	40	110	70												
<i>Stolephorus heterolobus</i>	435	1,134	4,108	1,395		455	700	130	2,195	1,804	1,601	893	2,225	1,008	1,825
<i>Stolephorus indicus</i>	920	1,862	2,730	1,641		1,125		30	3,983	1,873	4,615	5,340	1,340	3,785	330
<i>Stolephorus punctifer</i>	489	778	469	160			30	230	5	390	23	1,524		1,275	335
<i>Stolephorus waitei</i>		655	90	30					15		3	303	20		
Juvenile Anchovies		243	1,110	20											
Anchovies sp.	270														
<i>Rastrelliger faughni</i>	485	483		20				605	1,230	2,955	23	615	1,433	4,005	1,614
<i>Rastrelliger brachysoma</i>	410														
<i>Rastrelliger kanagurta</i>												20			
Mackerel sp.	60														
<i>Selar crumenophthalmus</i>		30								75					
<i>Dussumieria ecata</i>		40	20						30			25	20	10	340
<i>Dussumieria elopsoides</i>	60	150	335						70	640			130		
Round herring sp.									370	10		3			
Juvenile Round herring											55				
Caesio file												15			
<i>Caesio chrysozona</i>		240	90	45											
<i>Caesio sp.</i>		95	7												
<i>Engraulis japonicus</i>	1,180	1,021	1,095					575				355		5	708
<i>Sprattelloides gracilis</i>			7	30				20	20		5	78		3	83
<i>Sprattelloides delicatulus</i>			60	715								10	7	2	23
<i>Sprattelloides sp.</i>		1													
<i>Emmelichthys sp.</i>			105	20											
<i>Herklotsichthys sp.</i>		185	1,620	305	600	100							315	1,000	
<i>Herklotsichthys dispilunatus</i>				130					10	15					
Others	167	990	891	1,069	50	20		30	280	278	255	403	158	199	168
Total	7,533	14,429	15,812	5,680	650	1,700	730	1,650	9,668	10,710	7,145	11,847	7,173	11,387	5,786

FISHERY		MUNICIPAL														
REGION	IV															
GEAR	SURFACE GILL NET															
LANDING SITE	DALAHICAN, LUCENA CITY															
SPECIES COMPOSITION	FEB	MAR	APR	MAY	JUN	JULY	AUG	SEPT	OCT	NOV	DEC	JAN'88	FEB'88	MAR'88	APR'88	
Decaplerus marnedsi			2,520	2,380	8,680	3,125	2,215	5,350	1,400		110	910				
Decaplerus kurroides	10				1,500			595	1,210			1,330				
Decaplerus russelli					1,858							90				
Sardinella limbata	10	2,565	9,225	30,970	69,600	39,760	38,135	10,730	5,640	940				1,460	14,735	
Sardinella brachysoma			1,070													
Sardinella longiceps							265	350	140							
Sardinella albella								490	120							
Sardines sp							60									45
Stolephorus devisi	20															
Stolephorus heterotobus	365	15														
Stolephorus punctifer	105															
Stolephorus indicus		600				30										
Anchovia sp.	310															
Rastrelliger faughni	130	9,690	2,370	2,630	110	3,750	5,945	5,200	5,670	4,585	4,330	2,495	2,190			
Rastrelliger kanagurta			1,630					90								
Rastrelliger brachysoma				70												
Selar boops					930	4,320	830	60				1,580				
Selar crumenophthalmus	3,000				880	5,425	140	1,830								
Dussumneria acuta		40		1,860	30	890	900	1,810			40					
Dussumneria elapsoides		40														
Engraulis japonicus	125					1,920	1,400	950	1,160							1,110
Herdotsichthys sp.			920				30	380								
Others	200	35	2,300	210	460	10	50									50
Total	4,275	1,070	2,640	26,020	36,920	84,760	47,218	58,035	25,510	15,930	10,980	4,695	8,240	3,995	18,170	

FISHERY	COMMERCIAL															
REGION	V															
GEAR	TRAWL															
LANDING SITE	MERCEDES, CAMARINES NORTE	Sample weight (gms.)														
SPECIES COMPOSITION	FEB	MAR	APR	MAY	JUN	JULY	AUG	SEPT	OCT	NOV	DEC	JAN'88	FEB'88	MAR'88	APR'88	
<i>Stolephorus waitei</i>	1,020	2,019	3,945	2,150		170		400	335			1,255	635	1,300		
<i>Stolephorus heterolobus</i>	75	60	95	30		20						15	100	235		
<i>Stolephorus indicus</i>	20															
<i>Stolephorus devisi</i>	60	70	235	70								75	195	130		
<i>Sardinella brachysoma</i>	50	755			100	650		180				60				
<i>Sardinella fimbriata</i>	340	1,025	1,635	600				310				500	170	330		
<i>Sardinella albella</i>			200													
<i>Sardinella gibbosa</i>					500	290		385							500	
<i>Selar crumenophthalmus</i>	1,170	1,500													370	
<i>Dussumieria acuta</i>		900	1,180	475		1,120								30		
<i>Dussumieria elopsoides</i>	1,230	540	290	25								60	940	540		
<i>Rastrelliger brachysoma</i>													420			
<i>Rastrelliger kanagurta</i>															385	
<i>Rastrelliger faughni</i>															155	
<i>Decapterus maruadsi</i>															920	
<i>Decapterus macrosoma</i>															50	
Others	140	20	55	75		190		30	20			175	185	85		
Total	4,105	6,889	7,635	3,425	600	2,440		1,305	355			2,140	2,675	5,000		

FISHERY		COMMERCIAL													
REGION	IV														
GEAR	IBAGNET														
LANDING SITE	MERCEDES, CAMARINES NORTE	Sample weight (gms.)													
SPECIES COMPOSITION	FEB	MAR	APR	MAY	JUN	JULY	AUG	SEP	OCT	NOV	DEC	JAN'88	FEB'88	MAR'88	APR'88
<i>Stolephorus heterolobus</i>	345	935	690	1,770	1,410	2,944	5,776	4,755	7,000	7,360		1,240	370	575	260
<i>Stolephorus punctifer</i>	90	165	20		5		2					330	1,090	110	
<i>Stolephorus devisi</i>	30	15		250	530	715	940	622	535	75				390	
<i>Stolephorus weileri</i>	25			300	160	342	120	25	20					525	245
Juvenile <i>Anchovies</i>							105								
<i>Decapterus macrosoma</i>	1,125	820		3,205	2,828	2,440	4,795	2,760	5,405	10				3,545	725
<i>Decapterus maruadsi</i>	490	980		3,545	5,058	5,250	7,095	13,420	7,785	15			2,535	115	3,090
<i>Decapterus kurroides</i>								30							
Juvenile <i>Roundscads</i>				115	100				5	67					
<i>Sardinella sirm</i>	1,900	5,870		16,250	5,725	11,290	9,010	21,136	3,304	10			23	15,815	8,590
<i>Sardinella longiceps</i>															
<i>Sardinella gibbosa</i>				2,400	160	5,345	3,620	3,367	780	45				1,275	745
<i>Sardinella fimbriata</i>										15					
Juvenile <i>Sardines</i>				55	182	27	255	75	168	13					
<i>Rastrelliger teughni</i>				1,350	2,850	1,865	2,536	3,487	2,625	195		10	25	920	
<i>Rastrelliger kanagurta</i>				250	3,765	2,220	3,790	2,093	415						
<i>Rastrelliger brachysoma</i>							3								
Juvenile <i>Mackerels</i>				275	5				35	28					
<i>Dussumieria acuta</i>				730	450	3,660	665	1,085	860						
<i>Dussumieria elapsoides</i>						140									
Juvenile <i>Round Herrings</i>									30					1,650	
<i>Selar crumenophthalmus</i>				955	3,527	3,770	5,810	265							
Juvenile <i>Big-Eyed Scads</i>						50	75	32	41	20			10	2	5
<i>Sprattelloides gracilis</i>						5			2	50					
<i>Sprattelloides delicatulus</i>						320	10								
<i>Caesio chrysozona</i>	10	135	400	1,070	530	457	268	201	241	169		10	35	65	70
Others															
Total	500	4,815	10,130	33,065	24,478	41,276	43,671	58,090	27,086	7,882		1,550	4,088	24,987	13,780

FISHERY	MUNICIPAL																				
REGION	V																				
GEAR	BEACH SEINE																				
LANDING SITE	MERCEDES, CAMARINES NORTE																				
SPECIES COMPOSITION	FEB	MAR	APR	MAY	JUN	JULY	AUG	SEPT	OCT	NOV	DEC	JAN'88	FEB'88	MAR'88	APR'88						
<i>Stolephorus devisi</i>															15						
<i>Stolephorus waltii</i>															100						
<i>Stolephorus heterolobus</i>															130						
Others															5						
Total															250						

FISHERY	MUNICIPAL																		
REGION	V																		
GEAR	DRIFT GILL NET																		
LANDING SITE	MERCEDES, CAMARINES NORTE																		
		Sample weight (gms.)																	
SPECIES COMPOSITION	FEB	MAR	APR	MAY	JUN	JULY	AUG	SEPT	OCT	NOV	DEC	JAN'88	FEB'88	MAR'88	APR'88				
Rastrelliger kanagurta	960	1,320	2,230	2,070				2,550					1,225	2,615	80	4,585			
Rastrelliger faughni		860	110	770												105			
Rastrelliger brachysoma																			
Selar crumenophthalmus	1,600	1,760	1,600	720										2,520	1,630	1,260			
														2,000					
Total	2,560	3,940	3,940	3,560				2,550					1,225	7,335	1,710	5,950			

FISHERY	MUNICIPAL	FEB	MAR	APR	MAY	JUN	JULY	AUG	SEPT	OCT	NOV	DEC	JAN'88	FEB'88	MAR'88	APR'88
REGION	V															
GEAR	ENCIRCLING GILL NET															
LANDING SITE	MERCEDES, CAMARINES NORTE								Sample weight (gms.)							
SPECIES COMPOSITION																
	<i>Sardinella fimbriata</i>		615	3,860	3,815									2,505	8,255	2,755
	<i>Sardinella gibbosa</i>															4,340
	<i>Dussumieria acuta</i>			625	700											
	<i>Dussumieria elopsoides</i>			105	20										130	5
	<i>Rastrelliger taughni</i>				660											
	<i>Rastrelliger brechysoma</i>													1,110		
	Others													25	200	
	Total		615	4,590	5,195									3,640	8,585	7,100

FISHERY	MUNICIPAL	REGION	V	GEAR	HOOK AND LINE	LANDING SITE	MERCEDES, CAMARINES NORTE	Sample weight (gms.)	APR	MAY	JUN	JULY	AUG	SEPT	OCT	NOV	DEC	JAN'88	FEB'88	MAR'88	APR'88	
Caesio diagrama	3,210																					
Caesio chrysozona	330																					
Caesio erythrogastrer	1,910	1,540	570															6,750	6,980			
Caesio caerulicaureus			50																			
Selar crumenophthalmus	3,940																	1,220				1,060
Stolephorus devisi	130	1,260																				
Total	9,520	2,790	620															2,970	6,980			1,060

A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R
1	FISHERY	MUNICIPAL															
2	GEAR	SHALLOW FISH CORRAL															
3	REGION	VI															
4	LANDING SITE	GUINHALARAN, SILAY CITY															
5																	
6	SPECIES COMPOSITION	FEB	MAR	APR	MAY	JUN	JULY	AUG	SEP	OCT	NOV	DEC	JAN'88	FEB'88	MAR'88	APR'88	
7																	
8	<i>Stolephorus indicus</i>	25	25	3,790	4,340	3,520	865	2,265	2,230	125	395	365	2,560	2,815	1,620	4,040	
9	<i>Stolephorus heterolobus</i>					5					35	20					
10	<i>Stolephorus ronnillioi</i>																
11	Juvenile anchovies			180	160	145	295	60	105	55	920	570	235	25			
12	<i>Sardinella limbata</i>	810	1,525	485	1,285	.5	25		560	2,010	455	280	530				
13	<i>Sardinella bractysoma</i>		685	170									590				
14	Juvenile sardines	10	225	60	115	90	1,270	10	235	40	790	385	195	45			
15	Rastelliger bractysoma	60		35	3,655	690								25			
16	Juvenile mackerels																135
17	<i>Dussumieria acuta</i>																
18	Half beak					20											
19	Others	793	1,055	1,035	350	375	880	85	280	90	225	185	70	130			
20																	
21																	
22	Total	5,488	7,855	5,320	6,620	2,880	5,425	280	1,595	2,585	4,520	4,410	3,170	4,770			

FISHERY	MUNICIPAL	Sample weight (gms.)														
GEAR	FC/DFC/SFC	FEB	MAR	APR	MAY	JUN	JULY	AUG	SEP	OCT	NOV	DEC	JAN'88	FEB'88	MAR'88	APR'88
REGION	VI															
LANDING SITE	GUINHALARAN, SILAY CITY															
SPECIES COMPOSITION		FEB	MAR	APR	MAY	JUN	JULY	AUG	SEP	OCT	NOV	DEC	JAN'88	FEB'88	MAR'88	APR'88
<i>Stolephorus indicus</i>		270	20	40	45				60	150	20		15	15	65	
<i>Stolephorus heterolobis</i>		1,190	8,300	11,780	8,435	8,285	5,630	6,170	5,735	140	395	1,615	6,195	5,945	3,170	7,975
<i>Stolephorus ranquilloi</i>		3				5	5									
<i>Stolephorus punctifer</i>		15														
<i>Stolephorus davisi</i>			5													
Juvenile Anchovies			78			180	270	795	310	60	105	116	2,025	670	325	225
<i>Sardinella fimbriata</i>		3,650	5,785	4,993	5,733	680	2,675	1,215	9,145	580	560	2,500	1,990	5,555	2,580	2,050
<i>Sardinella melanura</i>		15														
<i>Sardinella brachysoma</i>		70	20		810	50	180	30					70	870	775	295
<i>Sardinella longiceps</i>		2														
Juvenile Sardines		610	1,095	10	225	65	495	180	1,650	10	235	70	2,150	1,115	420	235
<i>Rastrelliger faugini</i>			10													
<i>Rastrelliger brachysoma</i>		2,560	2,380	60		4,110	14,925	360	8,975			20	335	1,040	935	165
<i>Rastrelliger kanequins</i>						120	205	10	140					735		105
Juvenile Mackerel		5													150	
<i>Dussumieria acuta</i>		20	30							5		25	865	415		
<i>Dussumieria elopsoides</i>			20													
Juvenile Round Herrings							25									
<i>Caesio erythrogaster</i>			25													
<i>Engraulis japonicus</i>			5													
Half beak		10			10		20		25					20	65	
Flying fish							20						30	75		
<i>Sprattellorides gracilis</i>																
Others		3,670	2,260	2,303	2,935	3,855	5,755	3,580	8,830	735	280	1,435	3,420	4,110	3,430	2,060
Total		12,290	20,113	19,261	18,093	17,350	30,205	12,340	34,670	1,680	1,695	5,780	16,995	20,585	11,915	13,110

FISHERY	COMMERCIAL																			
REGION	VII																			
GEAR	RING NET																			
LANDING SITE	DANAO CITY																			
		Sample weight (gms.)																		
SPECIES COMPOSITION	FEB	MAR	APR	MAY	JUN	JULY	AUG	SEPT	OCT	NOV	DEC	JAN'88	FEB'88	MAR'88	APR'88					
<i>Decaplerus russelli</i>	12,115	42,540	58,847	25,715	30,200	8,010	9,970	5,765	20,250	9,350	5,100	14,470	22,270	24,960	25,950					
<i>Decaplerus kurroides</i>	21,935	28,810	12,220	890	60	340		1,400	1,410	4,460	3,820	7,870	3,040	9,400	5,760					
<i>Decaplerus maruadsi</i>	1,222	4,610	3,160		560	4,500	3,170	4,780	4,430	12,760	350	11,820	5,920	5,770	5,800					
<i>Decaplerus macrosoma</i>	25,475	54,816	35,190	5,580	24,240	14,730	22,350	370	3,460	3,610	3,590	27,520	7,860	1,130	17,280					
<i>Decaplerus macarellus</i>	60			860	100	5,950	570		6,350						860					
<i>Sardinella longiceps</i>	4,793	3,030	6,995		340	70	430		2,970		5,020	3,380	970	120	2,680					
<i>Sardinella fimbriata</i>	440	3,132	95		6,485	5,320	540	450	3,690	2,160	1,590	20	50	1,460						
<i>Sardinella siam</i>					8,360	11,455	15,000	9,460	10,180	8,625	310			2,100	1,550					
<i>Setar boops</i>						150														
<i>Setar crumenophthalmus</i>	37,709	33,095	63,965	72,290	65,360	82,285	96,930	40,510	85,085	63,810	99,980	42,140	84,970	101,380	13,770					
<i>Rastrelliger laeignhi</i>	16,355	17,085	12,690		17,365	12,860	41,760	13,180	36,580	52,740	46,800	59,900	17,150	17,430	32,810					
<i>Rastrelliger kanagurta</i>	12,250	14,500	3,615		1,100			1,320	2,480	10,680	10,700	2,200	16,360	32,740	69,830					
<i>Dussumieria acuta</i>	1,862	630																		
<i>Dussumieria elopsoides</i>	1,360	6,095	350		40		120	2,680	1,140	500	1,500	7,350		5,830	10,240					
<i>Stolephorus punctiflor</i>	10	20			100															
<i>Stolephorus heterolobus</i>		130	25		590	90														
<i>Stolephorus commersonii</i>						55														
<i>Caesio caeruleureus</i>		1,060	100		210			1,060			1,350									
<i>Mene maculata</i>	3,180	1,700	2,000		2,250			2,960	1,850	1,900		1,850	6,630	4,270	7,370					
<i>Engraulis japonicus</i>					700	780	670	1,525												
<i>Herklotichthys sp</i>	3,415	4,950	1,500		8,180	11,545	12,350	6,190	10,420	8,165	4,280	300		1,180	905					
Others	2,824	5,695	13,120	2,500	10,920	9,765	13,495	11,450	12,940	11,540	11,090	12,900	9,430	7,860	10,860					
Total	145,005	221,878	213,892	107,635	176,615	167,850	217,355	103,100	203,635	190,300	195,480	191,720	174,650	215,630	205,685					

Fishery	Region	Municipal	Feb	Mar	Apr	May	Jun	July	Aug	Sep	Oct	Nov	Dec	Jan '82	Feb '82	Mar '82
		VII	16,431	21,520	21,155	5,510	5,255	4,835	5,840	5,875	5,465	11,333	9,785	10,170	3,880	4,095
		Drive-In-net	11,105	20,170	28,075	11,640	10,920	15,335	14,670	8,810	7,710	7,710	5,035	3,065	4,850	15,750
		Danoo	5,543	13,155	16,875	670	4,230	6,545	7,070	5,400	6,090	1,615	2,555	120	840	820
		Species Composition	2,075	6,857	3,035	816	1,053	3,430	3,700	2,581	1,640	1,500	3,280	3,630	2,615	2,545
		<i>Cypselurus opisthorus</i>	4,148	4,510	5,350	2,166	1,170	1,010	1,280	930	1,730	3,240	2,740	4,355	6,008	2,940
		<i>Oxyporhamphus convexus</i>	1,416	1,255	1,570	830	865	250	130	210	100	170	580		800	50
		<i>Chelodactylus nigricans</i>														
		<i>Chelodactylus poecilopterus</i>														
		<i>Chelodactylus arcticeps</i>														
		Others														
		Total	40,718	67,567	64,160	21,940	29,485	31,405	32,860	23,808	26,715	25,570	24,025	22,660	19,701	26,310

FISHERY	COMMERCIAL															
GEAR	BAGNET															
REGION	IX															
LANDING SITE	CAWA-CAWA BOULEVARD	Sample weight (gms.)														
SPECIES COMPOSITION	FEB	MAR	APR	MAY	JUN	JULY	AUG	SEP	OCT	NOV	DEC	JAN'88	FEB'88	MAR'88	APR'88	
<i>Sardinella sirm</i>	15,800	25,930	24,470	11,455	24,745	8,295	7,575	2,650	38,165	16,510	30,610	38,615	31,105	20,800	29,495	
<i>Sardinella longiceps</i>	900				1,210	580	530	150		2,495	670				195	
<i>Sardinella fimbriata</i>	45	230			560			660	1,530	160	755	1,385	450		150	
<i>Decapterus macrosoma</i>	2,935	15,360	54,055	28,880	13,870	8,720	14,940	2,375	3,920	1,395	6,190	16,745	1,220	29,170	17,270	
<i>Decapterus macarellus</i>	1,000															
<i>Decapterus maruadsi</i>	200						4,660	105	4,175			1,120		40	50	
<i>Decapterus russelli</i>														4,100		
<i>Rastrelliger kassiquita</i>	1,775			1,970	1,975	890	765	300	545	80		4,575		1,400	540	
<i>Rastrelliger faughni</i>	115							985	1,475	515	1,505	910	75	110	610	
<i>Stolephorus heterolebus</i>	1,075	3,925	3,470		5,926		945	650	2,305		1,370		500	10	835	
<i>Stolephorus punctifer</i>	380	920	1,250		855		470	885	88	85	710		18	290	1,645	
<i>Selar crumenophthalmus</i>	1,150				365							155				
<i>Engraulis japonicus</i>	650	1,815	1,410	900	828	210	3,790	65		130				840	325	
<i>Spratelloides gracilis</i>			410		60		20									
<i>Emmelichthys sp (RSH)</i>							810								260	
Others	1,707	980	732	170	1,413	10	340	510	335	265	240	270	110	110	2,285	
Total	27,732	48,360	85,797	43,375	51,821	18,705	34,905	9,535	52,538	21,635	42,130	55,775	33,550	56,870	103,660	

FISHERY	COMMERICAL	FEB	MAR	APR	MAY	JUN	JULY	AUG	SEP	OCT	NOV	DEC	JAN'88	FEB'88	MAR'88	APR'88	
GEAR	RING NET	Sample weight (gms.)															
REGION	IX																
LANDING SITE	CAWA-CAWA BOULEVARD																
SPECIES COMPOSITION		FEB	MAR	APR	MAY	JUN	JULY	AUG	SEP	OCT	NOV	DEC	JAN'88	FEB'88	MAR'88	APR'88	
Sardinella sirm		9,065	12,845	5,105	24,485	10,635	18,280	2,375	15,990	7,640	14,280	13,925	9,955		14,990	16,765	
Sardinella fimbriata		1,115				170			930	415			6,790			100	
Sardinella longiceps		80				1,205	4,930	8,030		1,460			775	3,130		10	
Rastrelliger kanagurta		3,680	5,350			55	1,240	5,065	1,213		60		7,635	1,900	1,785	910	
Rastrelliger faughni		670										355	650	1,080	180	810	
Decaplerus macrostoma		2,990	12,510	31,190	55,090	30,175	18,100	12,315	7,820			7,565	2,905	10,295	17,425	43,350	
Decaplerus marudasi		25	875						215	490					200		
Decaplerus kurroides										2,700			300	750			
Decaplerus russelli													2,680	5,095			
Stolephorus heterolobus								140									
Stolephorus punctifer												180					
Scolar crumenophthalmus		4,600				745		5,575					4,650	8,875			
Engraulis japonicus					2,030	700		885	3,050								
Others		40	130			30			95				270	150	125	100	
Total		21,505	31,710	36,295	81,605	51,745	40,550	35,185	29,313	12,725	14,340	22,025	36,610	31,275	34,685	61,945	

FISHERY GEAR REGION LANDING SITE	MUNICIPAL BEACH SEINE IX LABUAN	Sample weight (gms.)															
		FEB	MAR	APR	MAY	JUN	JULY	AUG	SEP	OCT	NOV	DEC	JAN'88	FEB'88	MAR'88	APR'88	
SPECIES COMPOSITION																	
	<i>Solephorus heterolobus</i>	580	220								10						
	<i>Solephorus punctifer</i>	65	40														
	<i>Decapterus macrosoma</i>	225															
	<i>Decapterus muradisi</i>		35		2,725												
	<i>Rastrelliger faughni</i>		43														
	<i>Sardinella longiceps</i>		13		2,050												
	Others	125	82								850	945	250				
	Total	780	658		4,775					935	2,655	1,810					

