

Statistics of the purse seine NEI fleet in the Indian Ocean

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ABSTRACT

This document contains summary statistics of the NEI⁴ purse seiner fleet fishing in the Indian Ocean, as well as some information about how the data are collected. The sampling scheme, the sampling coverage, maps and diagrams representing the fishing pattern of this fleet by time and area strata. Data collection and the sampling programme for this fleet are the same as those used for the Spanish and French purse seine fleets.

Table 1. Number of samples and fishes measured for the Spanish Purse Seine fishery (1985 – 1998).

YEAR	YFT		SKJ		BET		ALB	
	N° samp.	N° fishes	N° samp.	N° fishes	N° samp.	N° fishes	N° samp.	N° fishes
1985	73	5942 63		4223	32	2180	-	-
1986	33	1912 68		3939	9	508	-	-
1987	68	4016 102		6813	8	309	-	-
1988	201	10769	188	11962	61	3067	1	48
1989	132	6772	196	12593	50	1976	-	-
1990	154	8917	101	9033	53	1901	3	77
1991	209	21573	132	17485	123	5895	12	513
1992	135	13395	111	16628	76	3226	9	230
1993	298	35474	216	36507	207	7765	43	2137
1994	270	30747	233	37683	144	6070	55	2407
1995	416	59244	378	67806	320	34194	17	1052
1996	410	60500	350	50970	294	21926	23	1286
1997	280	41412	213	21139	192	19180	10	775
1998	337	27715	215	19109	234	12273	14	645

Table 2. Number of fish counted to estimate the species composition of the catch.

YEAR	YFT	SKJ	BET	ALB
1990	2902	15682	737	70
1991	23521	59581	6830	261
1992	16921	56157	2854	290
1993	37837	94439	7601	2336
1994	39225	74264	6210	3401
1995	80458	186245	26345	1597
1996	94131	181734	25548	2646
1997	109800	179084	36939	1184
1998	42269	101050	19340	763

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⁴ NEI = Not elsewhere included

Table 3. NEI purse seine total catch by species in the Indian Ocean, 1983 -1998.

YEAR	YFT	SKJ	BET	ALB	TOTAL
1983	661	382	30	0	1073
1984	8268	8220	477	105	17070
1985	8198	6786	490	84	15558
1986	5279	5289	1047	8	11623
1987	5233	4779	758	0	10770
1988	7919	7026	835	0	15780
1989	4537	8082	543	0	13162
1990	12019	10966	1030	137	24152
1991	12186	10288	1811	302	24587
1992	9640	12411	995	401	23447
1993	19212	20893	2249	136	42490
1994	22774	29290	2816	548	55428
1995	22512	25021	3834	368	51736
1996	19076	21421	3852	317	44666
1997	24755	30402	6966	423	62545
1998	35239	36384	13059	652	85334

Table 4. NEI purse seine catch on logs by species in the Indian Ocean. 1983 - 1998.

YEAR	YFT	SKJ	BET	ALB	TOTAL
1983	151	288	28	0	467
1984	1866	6116	330	7	8319
1985	2529	5628	304	0	8461
1986	2130	3251	706	0	6087
1987	1833	3162	396	0	5391
1988	1924	5234	470	0	7628
1989	1940	4770	358	0	7068
1990	4090	9214	601	117	14022
1991	2720	8943	1349	0	13012
1992	2998	8601	701	5	12305
1993	5954	14197	1123	5	21279
1994	5714	19824	1869	29	27435
1995	12308	19247	3226	7	34788
1996	9554	15225	3237	15	28032
1997	16839	25181	6552	66	48637
1998	20997	29485	10557	108	61147

Table 5. NEI purse seine catches on free schools by species in the Indian Ocean, 1983 -1998.

YEAR	YFT	SKJ	BET	ALB	TOTAL
1983	510	94	2	0	606
1984	6402	2104	147	98	8751
1985	5669	1158	186	84	7097
1986	3149	2038	341	8	5536
1987	3400	1617	362	0	5379
1988	5995	1792	365	0	8152
1989	2597	3312	185	0	6094
1990	7929	1752	429	20	10130
1991	9466	1346	461	302	11575
1992	6642	3811	293	396	11142
1993	13258	6696	1126	131	21211
1994	17060	9466	947	519	27993
1995	10205	5774	608	361	16948
1996	9521	6195	616	302	16634
1997	7916	5221	414	357	13908
1998	14242	6899	2502	544	24187

Table 6. Number of NEI purse seiners by category and carrying capacity in tons for 1997 and 1998.

Class	1997	1998
6		
7	4	3
8	8	8
total	12	11
Carrying capacity	10892	12448

Class:

6 from 600 to 799 tonnes
 7 from 800 to 1200 tonnes
 8 > 1200 tonnes

Table 7. Nominal effort and catch rate by species.

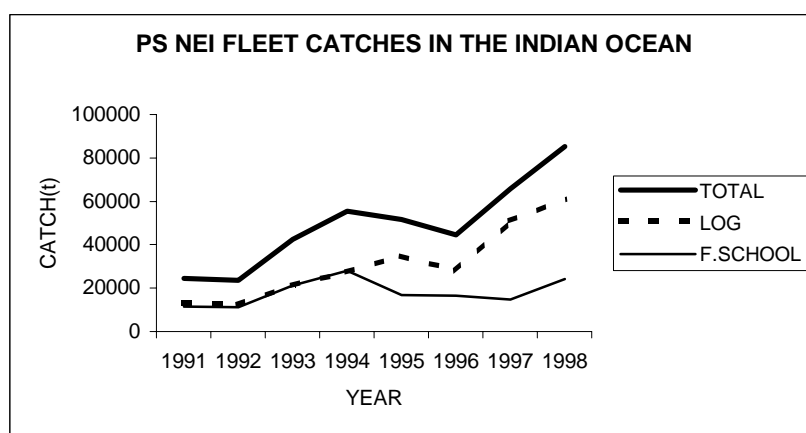
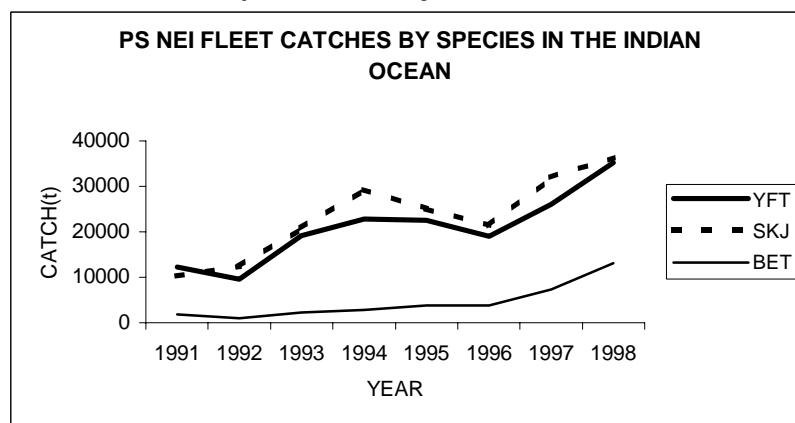
YEAR	F.DAYS	NOMINAL CATCH RATE		
		YFT	SKJ	BET
1983	82,2	8,0	4,6	0,4
1984	1409,9	5,9	5,8	0,3
1985	1251	6,6	5,4	0,4
1986	538	9,8	9,8	1,9
1987	404,6	12,9	11,8	1,9
1988	553,2	14,3	12,7	1,5
1989	643,5	7,1	12,6	0,8
1990	986,1	12,2	11,1	1,0
1991	1124,8	6,4	5,4	1,0
1992	1204,9	5,3	6,9	0,6
1993	2126,4	5,9	6,4	0,7
1994	2232,2	5,3	6,9	0,7
1995	2100,8	5,7	6,3	1,0
1996	2291,9	5,6	6,2	1,1
1997	4068,1	5,1	6,3	1,4
1998	4971,2	5,4	5,5	2,0

Table 8. Number of 1x1 degree square explored for the purse seine NEI fleet.

YEAR	CWP EXPLORED
1983	36
1984	276
1985	298
1986	178
1987	156
1988	197
1989	192
1990	283
1991	264
1992	304
1993	313
1994	367
1995	353
1996	425
1997	515

Table 9. NEI fleet composition by country.

1983	Ivory Coast
1984	Ivory Coast, Panama, Malta
1985	Ivory Coast, Panama, Malta
1986	Ivory Coast, Panama, Malta
1987	Panama, Malta
1988	Panama, Malta
1989	Panama, Malta
1990	Panama, Malta
1991	Panama, Malta
1992	Panama, Malta, Liberia
1993	Panama, Malta, Liberia, Belize
1994	Panama, Liberia, Belize
1995	Panama, Malta, Liberia, Belize
1996	Panama, Liberia, Iran, Belize
1997	Panama, Seychelles, St Vincent, Liberia, Italy, Belize, Netherlands Antilles
1998	Panama, Seychelles, St Vincent, Liberia, Iran, Italy, Belize, Netherlands Antilles

**Figure 1. Total catch and catch by fishing mode (floating object and free school) of the NEI purse seine fleet.****Figure 2. Catch by species of the NEI purse seine fleet.**