



SEYCHELLES FISHING AUTHORITY

SEYCHELLES TUNA BULLETIN

FIRST QUARTER 1990

Prepared By **SEYCHELLES FISHING AUTHORITY**

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The Seychelles Fishing Authority (SFA) was incorporated in August 1984 by the Seychelles Fishing Authority (Establishment) Act. This body was formed in view of the need to develop the fishing industry to its fullest potential. It is a parastatal organization with autonomous legal and financial status, supervised by a board of directors appointed by the President.

The Ministry of Agriculture and Fisheries is responsible for policy directives in fisheries related matters, and SFA is the executive arm of the government in all fisheries activities. Responsibilities include: assessment and management of the fishery resources, assist in conducting negotiations with foreign fishing fleets, coordination and support of fishing cooperatives and owner/operators, management of the fishing port, development of gear technology, and coordination of manpower training in the fishery sector. SFA is organized essentially into the Resource Management Division, the Research Division and the Fishing Port Division.

This volume on catch statistics of purse seiners and longliners fishing tuna in the Western Indian Ocean was compiled by the Research and Resource Management Divisions.



Philippe Michaud
Managing Director

SUMMARY: January - March 1990

The number of purse seiners active in the Western Indian Ocean peaked to an all time high for the first quarter of 1990 ranging from 50 in January to 53 in March. This represents an increase over the same period last year when an average of 48 vessels were in operation.

Fishing results were rather poor throughout the first quarter of this year. Catch rates increased only slightly from a low of 8.18 mt/day in December 1989 to 16.7 mt/day in March 1990. The proportion of yellowfin in the catch however increased considerably from 39% in December to 67% in February 1990, with a corresponding decrease in the proportion of skipjack in the catch. This is usual for this time of the years when yellowfin is the predominant species.

The fishing pattern was somewhat the same as for the preceding year with fishing activity concentrated to the East of the Seychelles EEZ. This year however the vessels began to move earlier to the South and South West with a few vessels already fishing in the Mozambique Channel by March.

The total catch for purse seiners fishing in the Western Indian Ocean for 1989 was 223,000 mt. As determined from seiner logbooks received by the 31st of March 1990, the cumulative catch by purse seiners in the Western Indian Ocean for the first quarter of 1990 now stands at 46,604 MT.

RESUME: JANVIER - MARS 1990

Le nombre de senneurs en pêche dans l'océan Indien occidental a atteint un niveau record pendant le premier trimestre 1990 passant de 50 en janvier à 53 en mars. Comparé à la même période de l'année dernière pendant laquelle le nombre moyen de navire était de 48, cela représente une progression certaine.

Les résultats des pêches furent plutôt médiocres tout au long de ce premier trimestre de l'année. Les rendements se sont accrus légèrement depuis une valeur faible de 8,18t/jour en décembre 1989 jusqu'à 16,7t/jour en mars 1990. La proportion d'albacore dans les prises s'est néanmoins élevée fortement de 39% en décembre à 67% en février 1990, avec une décroissance corrélée de la proportion de listao dans les captures. C'est courant qu'à cette époque de l'année l'albacore devienne l'espèce dominante dans les prises.

Les zones de pêche furent globalement les mêmes que les années précédentes, la pêcherie étant concentrée à l'est de la ZEE des Seychelles. Toutefois, cette année, les navires commencèrent à se déplacer plus tôt que d'habitude vers le sud et le sud-ouest, certains d'entre eux pêchant dans le Canal du Mozambique dès mars.

Les prises totales des senneurs en pêche dans l'océan Indien occidental en 1989 furent de 223 000t. Conformément aux livres de bord reçus au 31 mars 1990, les prises cumulées des senneurs de l'océan Indien occidental atteignent 46 604t pour le premier trimestre de 1990.

SUMARIO: ENERO - MARZO 1990

El numero de cerqueros activos en el Oceano Indico Occidental alcanzo su maximo de todos los anos, en este periodo, con 50 pesqueros en Enero y 53 en el mes de Marzo. Esto representa un aumento sobre el mismo periodo del ultimo ano cuando una media de 48 barcos faenaban en la zona.

Los rendimientos pesqueros fueron bastante banjos durante el primer trimestre de este ano. Las capturas aumentaron desde un 8.18 tons/dia en Diciembre de 1989 a 16.7 Tons/dia en el mes de Marzo de 1990. Sin embargo, la proporcion de atun (Yellowfin) aumento considerablemente de un 39% en Diciembre a un 67% en Febrero de 1990, con la correspondiente disminucion de listado en la misma. Este hecho, es normal en esta epoca del ano, cuando el atun (Yellowfin) es la especie predominante. El movimiento de los pesqueros fue parecido al del ano anterior realizando sus operaciones de pesca al este de la Z.E.E. de las Seychelles. Durante esta ano, los pesqueros se desplazaron mas pronto hacia el sur y sudoeste con algunos de ellos faenando en la zona del canal de Mozambique en el mes de Marzo.

Las capturas totales de los cerqueros que facnan en el Oceano Indico Occidental para 1989 fue de 223.000 Toneladas. De los Cuadernos de Bitacora de los barcos se deduce que las capturas acumuladas durante el primer trimestre de 1990 en esta zona fueron de 46.604 Toneladas.

PURSE SEINERS

Table 1 shows monthly catch and effort statistics from January 1989 to March 1990 for all purse seiners combined; Table 2 shows statistics for the French fleet and Table 3 presents statistics for Spanish vessels.

Total catch for each trip has been taken from records of transshipment whenever complete unloading occurred in the Seychelles, otherwise total catch has been estimated from logbooks containing daily catch statistics. The species composition has been estimated from logbooks. Since transshipment records and vessels logbooks both give unreliable estimate for lesser-caught species, bigeye and albacore, these species are not reported separately but are included in estimates of the total catch. Catches have been estimated in wet weight rather than dry weight.

In the statistical tables "Vessels Covered" refer to those vessels for which a logbook has been received containing at least one day fishing during the month. "Days fished" refer to days spent at sea less days drifting due to mechanical breakdowns or other work stoppages. Days spent drifting by flotsam while awaiting a set are included in "days fished". Historical data are periodically revised; statistics in the present volume supersede those published previously.

Daily catch rates for the first quarter of 1990 averaged 14 mt compared to 25 mt for the corresponding period last year. This represents the lowest catch rate ever recorded during this period for this fishery. The yellowfin catch rates however followed the same pattern as previous years with the proportion of yellowfin in the catch increasing from 39% in december 89 to 52% in January and declining slightly to 50% in March.

Transshipment statistics are presented in Table 4. The data taken from receipts of the stevedoring company (which are countersigned by representatives of the purse seiners and carrier vessels). Since the date of unloading is used rather than the date fish were caught, the monthly totals in Table 4 will differ from those of Table 1.

The number of purse seiners transshipping at Port Victoria declined slightly compared to the same period last year with 29 in January, increasing to 35 in February and 31 in March 1990. This is mostly due to poor fishing results for the period. The total catch transhipped in Port Victoria for the period was 44,778 mt representing a decrease of nearly 80% over the similar period last year.

The number of purse seiners operating in the Western Indian Ocean from January 89 to March 90 is listed by country of registration in Table 5. The vessels active from April 89 to March 90 are listed in Table 6. During the first quarter of this year the number of vessels increased to 53 with the arrival of four new Soviet vessels. This brings the number of purse seiners operating in March 1990 to 19 French, 21 Spanish, one Panamanian, two Mauritian, four Japanese and seven Soviet.

LONGLINERS

Table 7 gives the number of longliners licensed to fish in the Seychelles EEZ and the transshipment activity from January 1989 to March 1990. In this volume transshipment statistics for longliners have been revised with statistics gathered by the port Authorities covering each longliner calling in the Seychelles. In the table the row labelled "TOTAL" refers to the number of vessel-months licensed and the number of calls for the year, whereas the row labelled "Vessels" refers to the number of vessels licensed or calling.

Seychelles Fishing Authority issues licences to longliners on a monthly basis. Only South Korean longliners were licensed prior to 1987; Japanese longliners which though regularly transhipped in the Seychelles while in transit between Japan and the southern Indian Ocean, only began fishing operations in 1987. Since then, the number of licensed Japanese longliners has been on the increase, primarily as a result of an Agreement signed between Seychelles and Japanese Fishing Companies. This agreement, which is of one year duration, was renewed again at the beginning of the year.

Thirty eight longliners were licensed in the beginning of the year, decreasing to 14 in February and 17 in March. Altogether a total of 52 individual vessels were licensed, totalling 69 vessels-months for the quarter. This compares favourable with the same period in 1989 when 47 individual vessels corresponding to 58 vessels-months were licensed.

The cumulative transshipment for longliners (19 South Korean, 7 Japanese) for the first quarter of 1990 amounts to 3,144 tonnes comprising mostly of yellowfin, bigeye, marlin and shark. This represents a decrease of 24% over transshipment figures for the first quarter of last year.

Table 1. Catch Statistics For Purse Seiners in the Western Indian Ocean.

(Units: catch MT, percentage in brackets, catch rate MT/day)

MONTH	VESSELS ACTIVE	VESSELS COVERED	DAYS FISHED	CATCH RATE	YELLOWFIN	SKIPJACK	TOTAL	CUMUL TOTAL
Jan/89	49	47	873	20.47	9767 (55)	7599 (43)	17874	17874
Feb	49	47	1076	21.71	10955 (47)	12006 (51)	23358	41231
Mar	47	45	923	36.76	11864 (35)	21755 (64)	33930	75162
Apr	46	45	901	25.48	6615 (29)	15768 (69)	22955	98116
May	45	41	909	12.90	2810 (24)	8823 (75)	11726	109843
Jun	44	40	994	13.89	6286 (46)	7405 (54)	13808	123651
Jul	46	44	998	10.64	1280 (12)	9200 (87)	10619	134270
Aug	46	45	1047	12.44	2925 (22)	9791 (75)	13023	147293
Sep	50	48	1100	24.96	4975 (18)	22232 (81)	27459	174752
Oct	51	48	1049	26.34	6367 (23)	20727 (75)	27633	202385
Nov	52	48	1151	9.94	2532 (22)	8755 (77)	11439	213824
Dec	51	46	1194	8.19	3781 (39)	5782 (59)	9776	223600
Total			12215	18.31	70159 (31)	149843 (67)	223600	
Jan/90	50	48	1268	10.93	7158 (52)	6466 (47)	13855	13855
Feb	54	50	1104	16.48	12162 (67)	5910 (32)	18192	32047
Mar	53	41	868	16.77	7273 (50)	7016 (48)	14556	46604
Total			3240	14.38	26594 (57)	19392 (42)	46604	

Table 2. Catch Statistics For French Purse Seiners.

(Units: catch MT, percentage in brackets, catch rate MT/day)

MONTH	VESSELS ACTIVE	VESSELS COVERED	DAYS FISHED	CATCH RATE	YELLOWFIN	SKIPJACK	TOTAL	CUMUL TOTAL
Jan/89	20	20	358	21.26	4755 (62)	2690 (35)	7611	7611
Feb	20	20	451	17.44	5381 (68)	2366 (30)	7865	15476
Mar	20	20	411	35.14	5590 (39)	8586 (59)	14444	29919
Apr	20	20	436	21.39	3079 (33)	6161 (66)	9325	39244
May	19	19	411	13.75	1571 (28)	4048 (72)	5650	44894
Jun	18	18	399	10.19	1808 (44)	2257 (56)	4064	48959
Jul	18	18	400	8.00	221 (7)	2941 (92)	3199	52158
Aug	16	16	410	10.28	917 (22)	3252 (77)	4213	56371
Sep	19	19	412	27.42	2166 (19)	9129 (81)	11296	67667
Oct	19	19	420	24.72	2525 (24)	7769 (75)	10384	78051
Nov	20	19	442	6.09	552 (21)	2117 (79)	2692	80743
Dec	20	19	492	6.82	724 (22)	2604 (78)	3356	84099
Total			5042	16.68	29290 (35)	53917 (64)	84099	
Jan/90	20	20	537	9.48	3024 (59)	1990 (39)	5089	5089
Feb	20	19	447	16.53	5214 (71)	2105 (28)	7389	12478
Mar	19	19	373	18.63	5606 (81)	1253 (18)	6948	19427
Total			1357	14.32	13844 (71)	5347 (28)	19427	

Table 3. Catch Statistics For Spanish Purse Seiners, Including Txori Aundi.

(Units: catch MT, percentage in brackets, catch rate MT/day)

MONTH	VESSELS ACTIVE	VESSELS COVERED	DAYS FISHED	CATCH RATE	YELLOWFIN	SKIPJACK	TOTAL	CUMUL TOTAL
Jan/89	21	21	375	22.15	4498 (54)	3576 (43)	8305	8305
Feb	21	21	478	25.71	3802 (31)	8270 (67)	12290	20595
Mar	21	21	435	41.02	5863 (33)	11939 (67)	17846	38440
Apr	20	20	398	32.86	3426 (26)	9163 (70)	13077	51518
May	20	19	434	12.97	1159 (21)	4407 (78)	5628	57145
Jun	19	19	512	18.80	4429 (46)	5079 (53)	9626	66771
Jul	20	20	480	14.59	946 (14)	5978 (85)	7004	73776
Aug	23	23	491	15.75	1703 (22)	5817 (75)	7733	81509
Sep	24	24	575	24.73	2463 (17)	11659 (82)	14217	95725
Oct	24	24	513	30.86	3585 (23)	11919 (75)	15830	111556
Nov	24	23	576	14.11	1846 (23)	6212 (76)	8130	119686
Dec	23	22	576	9.75	2862 (51)	2601 (46)	5617	125303
Total			5843	21.44	36582 (29)	86619 (69)	125303	
Jan/90	21	21	555	11.28	3748 (60)	2480 (40)	6262	6262
Feb	21	20	429	20.48	6277 (71)	2506 (29)	8785	15047
Mar	21	13	260	20.24	849 (16)	4281 (81)	5263	20310
Total			1244	16.33	10874 (54)	9267 (46)	20310	

Table 4. Transshipment Statistics. (Units: MT)

MONTH	PURSE SEINERS	YELLOWFIN	SKIPJACK	BIGEYE	ALBACORE	TOTAL	CUMUL TOTAL
Jan/89	37	12566	12247	97	0	24910	24910
Feb	34	11157	6481	204	13	17855	42765
Mar	41	11078	18494	139	1	29712	72477
Apr	36	7625	16348	378	0	24351	96828
May	15	2025	5276	171	0	7472	104300
Jun	19	2937	6090	2	0	9029	113329
Jul	30	3150	7921	4	0	11075	124404
Aug	24	1689	11199	0	0	12888	137292
Sep	32	2895	16859	48	0	19801	157093
Oct	39	4850	23882	86	0	28818	185911
Nov	31	3447	13422	3	0	16872	202783
Dec	34	2500	6836	62	0	9398	212181
Total		65919	145054	1194	14	212181	
Jan/90	29	4838	6732	41	0	11611	11611
Feb	35	8598	6571	66	0	15235	26846
Mar	31	11019	6832	81	0	17932	44778
Total		24455	20135	188	0	44778	

Table 5. Purse Seiners Active in the Western Indian Ocean,
By Country of Registration.

MONTH	FRANCE	SPAIN	IVORY		PANAMA	UNITED			INDIA	TOTAL
			COAST	MAURITIUS		KINGDOM	USSR	JAPAN		
Jan/87	19	12	-	1	1	-	-	-	-	33
Feb	19	12	-	1	1	-	-	-	-	33
Mar	19	12	-	1	1	-	-	-	-	33
Apr	16	12	-	2	1	-	-	-	-	31
May	15	11	-	2	1	-	-	-	-	29
Jun	17	10	-	2	1	-	-	-	-	30
Jul	17	10	-	2	1	-	-	-	-	30
Aug	18	12	-	2	1	-	-	-	-	33
Sep	20	14	-	2	1	1	-	-	-	38
Oct	20	14	-	2	1	4	-	-	-	41
Nov	20	14	-	2	1	4	-	-	-	41
Dec	20	13	-	2	1	4	1	-	-	41
Jan/88	20	11	-	2	1	4	1	-	-	39
Feb	20	11	-	2	1	2	1	-	-	37
Mar	20	9	-	2	1	-	1	-	-	33
Apr	20	12	-	2	1	2	-	1	-	38
May	19	13	-	2	1	3	-	1	-	39
Jun	17	14	-	2	1	3	-	1	-	38
Jul	19	16	-	3	1	3	1	-	-	43
Aug	19	16	-	3	1	3	1	1	-	44
Sep	20	17	-	3	1	3	1	1	-	46
Oct	20	17	-	3	1	1	1	-	-	43
Nov	20	19	-	3	1	3	1	-	-	47
Dec	20	19	-	3	1	4	1	-	-	48
Jan/89	20	20	-	3	1	4	1	-	-	49
Feb	20	20	-	3	1	4	1	-	-	49
Mar	20	20	-	3	1	3	-	-	-	47
Apr	20	19	-	3	1	3	-	-	-	46
May	19	19	-	3	1	3	-	-	-	45
Jun	18	18	-	3	1	4	-	-	-	44
Jul	18	19	-	3	1	4	1	-	-	46
Aug	16	22	-	2	1	3	2	-	-	46
Sep	19	23	-	2	1	3	2	-	-	50
Oct	19	23	-	2	1	3	3	-	-	51
Nov	20	23	-	2	1	3	3	-	-	52
Dec	20	23	-	2	-	3	3	-	-	51
Jan/90	20	21	-	2	-	3	4	-	-	50
Feb	20	21	-	2	-	7	4	-	-	54
Mar	19	21	-	2	-	7	4	-	-	53

✓ ANABAC GROUP

X OPAGAC GROUP

Table 6. Purse Seiners Active In the Western Indian Ocean.

SEINER	FLAG	GRT	1989												1990			
			APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR				
AVEL VIZ	France	768	<---	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
CAP ST PAUL	"	768	<---	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
GLEHAM	"	929	<---	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
ROSPICO	"	1146	<---	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
ARMEN	"	773	<---	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
GEVRED	"	603	<---	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
BAYOTA	"	1146	<---	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
KERGALEN	"	1146	<---	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
KERSALHT	"	1200	<---	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
PENDROC	"	1200	<---	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
SANTA MARIA	"	777	<---	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
KERMADOC	"	1146	<---	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
MAGELLAN	"	851	<---	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
DRENEC	"	1200	<---	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
CHRISTOPHE COLOMB	"	851	<---	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
TRESCAD	"	1146	<---	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
TREVIGNON II	"	1146	<---	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
PRINCE DE MOINVILLE	"	851	<---	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
BOUGAINVILLE	"	875	<---	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
ILE TRISTAN	"	783	<---	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
X MAR DE SERGIO	Spain	1829	<---	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
X MONTEFRISA SIEYE	"	1350	<---	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
X JUAN RAMON EGARA ✓	"	1536	<---	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
X TIZARO ✓	"	1520	<---	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
X ALBACORA CATORCE	"	1475	<---	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
X ALBACORA QUINCE	"	1475	<---	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
THORI JURI	"	1333	<---	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
ALBACORA ONCE	"	1499	<---	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
ATERAPE ALAI	"	988	<---	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
ALBACORA DOCE	"	1475	<---	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
ALBACORA SEIS	"	1345	<---	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
PLAYA DE NOJA	"	972	<---	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
ALBACORA CUATRO	"	1585	<---	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
THORI EDER	"	833	<---	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
ALAMARONA TRES	"	1308	<---	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
EUZKADI ALAI	"	1365	<---	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
THORI URDIN	"	833	<---	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
CAMPOLIBRE ALAI	"	1365	<---	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
MONTE LAPE	"	1095	<---	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
ALBACORA DIECESEUS	"	1475	<---	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
NARANCO/KAI ALAI	"	1145	<---	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
MONTEALEGRE	"	1095	<---	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
ALACRAN	"	1333	<---	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
THORI MUNDO	Panama	1370	<---	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
LADY SUSHI I	Mauritius	535	<---	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
LADY SUSHI II	"	1039	<---	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
EASTERN PACIFIC	"	725	<---	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
TIORA	USSR	2634	<---	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
IVAN BORISOV	"	2635	<---	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
TRIDARINA	"	2635	<---	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
E. PRORUBHENSKIY	"	2635	<---	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
RODINA	"	2635	<---	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
CHABOVSK	"	2635	<---	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
LITVOROV	"	2635	<---	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
TRIKHUS	"	2635	<---	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
NIPPON MARU	Japan	1788	<---	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
FURUICHI MARU 63	"	500	<---	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
HAYABUSA MARU 6	"	1009	<---	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
TONE MARU 4	"	499	<---	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----

Table 7. Longliner Activity in the Seychelles. (Units: MT)

MO+YR	KOREAN VESSELS				JAPANESE VESSELS				TAIWANESE VESSELS				MURITIUS VESSELS				
	LICENSED	CALL	UNLOADING	TRANSHIPMENT	LICENSED	CALL	UNLOADING	TRANSHIPMENT	LICENSED	CALL	UNLOADING	TRANSHIPMENT	LICENSED	CALL	UNLOADING	TRANSHIPMENT	TRANSHIPPED
Jan/89	26	12	9	1570	8	7	6	398	3	3	180						1648
Feb	11	17	14	1594	7	12	9	902	2								2496
Mar	3	8	5	316	11	7	2	425	1	1	70						1311
Apr	2	8	5	650	9	4	2	152	1								692
May	3	10	3	320			1										320
Jun	23	6	2	295		3	1	130									425
Jul	19	10	4	510													310
Aug	44	1															0
Sep	27	6															0
Oct	11	7	2	200			1										200
Nov	35	6	5	660	5	2											660
Dec	20				8	8	3	454									454
Total	225	91	49	5915	46	45	23	2461	0	3	4	250	0	0	0	0	8626
Vessel	109	65	41		19	29	18		8	4							
Jan/90	35	11	10	1292	3	6	3	293	12				2				1597
Feb	6	5	5	677	3	1											677
Mar	7	4	4	395	10	6	4	485									880
Total	48	20	19	2364	21	13	7	780	12	0	0	0	2	0	0	0	3144
Vessel	38	20	19		14	10	4		12				2				