



SEYCHELLES FISHING AUTHORITY

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SEYCHELLES TUNA BULLETIN

THIRD QUARTER 1991

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: JULY - SEPTEMBER 1991

The number of purse seiners active in the Western Indian Ocean increased slightly from 42 at the end of the last quarter to 45 in September.

Fishing results improved slightly in the third quarter, with the average catch rates increasing from 15.8 MT/day in the second quarter to an average of 19.0 MT/day in the third quarter. This represents a slight drop from the same period last year when catch rates averaged 22.0 MT per day, however, it is an improvement over the catch rate of 16.0 MT/day for the same period in 1989.

The fishing pattern for the third quarter showed that fishing effort was concentrated between 5 degrees North and 5 degrees South of the Equator in the vicinity of the Northern sector of the Seychelles EEZ. This follows the same pattern as in preceding years.

Fifty six percent of the third quarter catch was composed of skipjack which compares favourably with the catch of this species for the same period last year. Moreover, as in previous years, the catch of yellowfin declined from 60% in July to 39% in August and 18% in September.

The cumulative catch by purse seiners operating in the Western Indian Ocean as determined from seiner logbooks received by the 30th September 1991 now stands at 155,912 MT.

RESUME : JUILLET - SEPTEMBRE 1991

Le nombre de senneurs en activité dans l'océan Indien occidental s'est légèrement accru en passant de 42 navires à la fin du trimestre précédent à 45 navires en septembre.

On note également une sensible amélioration des résultats des pêches, le rendement journalier de 15,8 MT/j observé au cours du second trimestre a atteint une moyenne de 19,0 MT/j durant ce troisième trimestre. Néanmoins, cela représente une baisse sensible par rapport à la même période de l'année précédente alors que le rendement moyen était de 22,0 MT par jour. Tout de même, c'est une amélioration par rapport au rendement de 16,0 MT/jour enregistré durant la même période de 1989.

Pendant ce troisième trimestre, l'effort de pêche était concentré entre 5° Nord et 5° Sud dans une zone proche du secteur nord de la ZEE des Seychelles. C'est la situation courante observée au cours des années précédentes.

Cinquante six pour cent des captures du troisième trimestre sont constituées de listao ce qui est tout à fait comparable aux observations des années précédentes pour cette période. De plus, comme d'habitude, la proportion d'albacore a décliné de 60% en juillet à 39% en août et 18% en septembre.

Les prises cumulées des senneurs opérant dans l'océan Indien occidental selon les données des livres de bord obtenus à la date du 30 septembre 1991 se montent à 155 912 MT.

RESUMEN : JULIO - SEPTIEMBRE - 1991.

El numero de cerqueros activos en el Oceano Indico Occidental, se incremento, ligeramente, de 42, al final del trimestre pasado, a un total de 45 en el mes de Septiembre.

Las capturas obtenidas para el tercer trimestre, aumentan respecto a los anteriores, con unas tasas medias de capturas, que van de las 15.8 TM/dia., en el segundo trimestre, a las 19.0 TM/dia., en el periodo que nos ocupa. Esto significa una ligera caida respecto al mismo periodo del pasado ano, el el que la tasa media alcanzo las 22.0 TM/dia. Sin embargo, representa un incremento al compararlo con el mismo periodo correspondiente a 1989, en el que se obtuvieron 16.0 TM/dia.

El area de pesca para el tercer trimestre, concentra el esfuerzo pesquero entre los cinco grados norte y los cinco grados sur del Ecuador, es decir, en la zona circundante al sector norte de la Zona Economica Exclusiva de Seychelles. El area es similar al de los anos precedentes.

El 56% de las capturas del tercer trimestre corresponden a Listado, lo que indica una comparacion favorable del porcentaje de esta especie, respecto al mismo periodo del ano pasado. Siguiendo la tendencia de los pasados anos, la captura de Rabil, decrece de un 60% en Julio, a un 39% en Agosto y al 18% en Septiembre.

La captura acumulada por el total de cerqueros que operan en el Oceano Indico Occidental y determinada por los cuadernos de pesca recibidos hasta el 30 de Septiembre del ano en curso, asciende a 155.912 TM.,

PURSE SEINERS

Table 1 shows monthly catch and effort statistics from January to September 1991 for all purse seiners combined. Table 2 and 3 represent catch statistics for French and Spanish purse seiners respectively.

Total catch for each trip has been taken from records of transshipment whenever complete unloading occurred in the 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 estimates for lesser-caught species, e.g 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's fishing during the month. "Days fished" refers 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 is periodically revised. Statistics in the present volume supersede those published previously.

Daily catch rates of 19.0 MT/day obtained for the third quarter of 1991 indicated a decline from a catch rate of 22.6 MT/day for the same period in 1990. As usual there were good catches of yellowfin in July, accounting in part to the overall improved catch rates over the second quarter of 1991. Yellowfin represented 60% of the catch in July, however, the catch rate for this species dropped considerably for August and September (39% and 18% respectively) as is usually the case for this period of the year. The total percentage of tuna caught for the third quarter 1991 was 56% skipjack and 38% yellowfin with other species making up the remaining 6 percent.

Transshipment statistics are presented in Table 4. The data was 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 in Port Victoria during the third quarter of 1991 was stable at 32 to 33 vessels. This number is slightly higher than the number of vessels that transhipped during the same period last year (when it ranged between 27 to 29 vessels), and represents a 10% increase in the tonnage transhipped. The cumulative total catch transhipped in Port Victoria up to September 1991 amounted to 115,586 MT. This represents a 6% increase compared to the same period in 1990.

The number of purse seiners active in the Western Indian Ocean from January 1991 to September 1991 is listed by country of registration in Table 5. The vessels active from October 1990 to September 1991 are listed in Table 6. The figures indicate a slight increase in the number of active vessels from 42 in June to 45 in September. This brings the number of purse seiners operating in September to 17 French, 19 Spanish, 3 Mauritian, 4 Japanese, one Panamanian and one Seychellois vessel. Also during this period an agreement was signed with the Japanese Far East Purse Seine Association increasing the number of licences granted to Japanese purse seiners to 10.

LONGLINERS

Table 7 gives the number of longliners licensed to fish in the Seychelles EEZ, and transshipment activity from January 1990 to September 1991. 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 this 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.

The number of licensed longliners operating during the third quarter of 1991 was only 5; all being Korean Vessels. This indicated a substantial drop from the 37 vessels licensed during the same period in 1990. Up to the end of September 1991, 28 vessels were licensed which also indicates a considerable decrease from the 107 vessels licensed during the same period last year.

The cumulative transshipment for all longliners (2 Japanese) up to September 1991 amounted to 202 tonnes. This figure represents a significant reduction over the transshipment activity for the same period last year, when 4,699 MT were transhipped up to September 1990.

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/90	49	49	1290	11.03	7311	(51)	6684	(47)	14226	14226
Feb	54	53	1177	17.22	14059	(69)	6090	(30)	20270	34496
Mar	54	53	1326	17.69	9529	(41)	13560	(58)	23463	57959
Apr	53	52	1121	18.18	4702	(23)	15561	(76)	20380	78339
May	51	49	1031	9.75	1743	(17)	8258	(82)	10052	88390
Jun	39	39	906	13.59	10118	(82)	2011	(16)	12309	100699
Jul	42	42	918	18.34	12063	(72)	4185	(25)	16836	117536
Aug	43	43	1013	14.87	3228	(21)	11508	(76)	15063	132599
Sep	46	46	1099	22.96	3862	(15)	20669	(83)	23231	157830
Oct	44	44	1102	23.23	8225	(32)	17105	(67)	25587	183427
Nov	43	43	898	14.07	3569	(28)	8504	(69)	12493	195921
Dec	43	43	1063	23.99	22130	(85)	3541	(14)	25977	221898
Total			12954	17.13	100539	(45)	117895	(53)	221898	
Jan/91	43	43	1025	18.17	15939	(86)	2262	(12)	16329	18629
Feb	42	42	804	26.46	17917	(84)	3051	(14)	21290	39919
Mar	39	39	907	22.69	13019	(63)	7167	(35)	20581	60499
Apr	40	39	807	12.91	1809	(17)	8224	(79)	10420	70919
May	39	37	835	17.10	4027	(28)	9871	(69)	14281	85201
Jun	42	39	865	18.49	9764	(61)	4707	(29)	15993	101194
Jul	44	41	942	18.71	10527	(60)	5491	(31)	17628	118822
Aug	45	42	1035	16.54	6640	(39)	9370	(55)	17120	135942
Sep	45	39	894	22.34	3514	(18)	15718	(79)	19970	155912
Total			8114	19.22	83156	(53)	65861	(42)	155912	

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/90	20	20	537	9.77	3140 (60)	2033 (39)	5248	5248
Feb	20	20	460	16.41	5340 (71)	2137 (28)	7547	12796
Mar	19	19	458	17.83	6676 (82)	1402 (17)	8168	20963
Apr	19	19	424	14.67	2864 (46)	3310 (53)	6219	27182
May	18	18	328	12.24	326 (8)	3676 (92)	4016	31197
Jun	14	14	324	11.99	3310 (85)	547 (14)	3885	35083
Jul	14	14	282	16.23	4111 (90)	214 (5)	4578	39660
Aug	13	13	310	11.57	765 (21)	2761 (77)	3587	43248
Sep	15	15	390	21.74	1159 (14)	7017 (83)	8480	51728
Oct	16	16	404	21.71	1557 (18)	7167 (82)	8770	60498
Nov	16	16	369	18.36	2524 (37)	4070 (60)	6784	67281
Dec	14	14	341	29.80	6955 (88)	1035 (10)	10163	77444
Total			4627	16.74	40725 (53)	35400 (46)	77444	
Jan/91	14	14	314	20.13	5824 (92)	337 (6)	6322	6322
Feb	14	14	274	21.03	5506 (96)	252 (4)	5762	12083
Mar	14	14	296	21.19	4968 (79)	1293 (21)	6271	18355
Apr	14	14	270	9.04	493 (20)	1609 (74)	2440	20795
May	13	13	327	13.24	2220 (51)	2021 (47)	4328	25123
Jun	16	16	324	18.74	4702 (77)	1037 (18)	6070	31193
Jul	17	17	394	18.11	4259 (60)	2113 (30)	7135	38329
Aug	17	17	413	16.40	1993 (29)	4496 (66)	6774	45103
Sep	17	17	413	23.05	1523 (16)	7596 (60)	9521	54624
Total			3025	18.06	31490 (58)	21054 (39)	54624	

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/90	21	21	565	11.10	3752	(60)	2488	(40)	6273	6273
Feb	21	21	492	21.68	8009	(75)	2654	(25)	10665	16938
Mar	21	21	548	21.50	1720	(15)	9894	(84)	11782	28720
Apr	21	21	427	25.72	1131	(10)	9825	(89)	10982	39702
May	19	19	477	10.11	1083	(22)	3727	(77)	4822	44523
Jun	19	19	444	15.92	6299	(89)	662	(9)	7069	51592
Jul	19	19	463	20.46	7258	(77)	1947	(21)	9475	61067
Aug	21	21	483	18.47	1837	(21)	6934	(78)	8923	69990
Sep	23	23	519	25.81	1776	(13)	11577	(86)	13397	83387
Oct	22	22	560	25.68	6131	(43)	8097	(56)	14379	97767
Nov	20	20	426	12.31	884	(17)	4174	(80)	5243	103010
Dec	20	20	538	25.99	12508	(89)	1457	(10)	13983	116992
Total			5942	19.69	52387	(45)	63437	(54)	116992	
Jan/91	20	20	458	21.58	9131	(92)	514	(5)	9882	9882
Feb	19	19	334	39.37	11638	(89)	1374	(10)	13150	23032
Mar	18	18	461	25.17	7502	(65)	3800	(33)	11605	34637
Apr	18	18	384	14.10	707	(13)	4532	(84)	5416	40053
May	18	18	416	20.85	1273	(15)	7113	(82)	8672	48725
Jun	19	19	433	20.95	4731	(52)	3136	(35)	9071	57796
Jul	20	20	444	20.39	5972	(66)	2307	(25)	9055	66851
Aug	20	20	492	17.20	4300	(51)	3640	(43)	8463	75314
Sep	20	17	366	24.36	1535	(17)	7278	(82)	8916	84230
Total			3788	22.24	46790	(56)	33695	(40)	84230	

Table 4. Transshipment Statistics. (Units: MT)

MONTH	PURSE SEINERS	YELLOWFIN	SKIPJACK	BIGEYE	ALBACORE	TOTAL	CUMUL TOTAL
Jan/90	30	4838	6860	41	0	11739	11739
Feb	35	8598	6571	66	0	15235	26974
Mar	30	10914	6832	81	0	17827	44801
Apr	19	4372	4796	172	0	9340	54141
May	6	267	1247	1	4	1519	55660
Jun	18	3347	2795	106	0	6248	61908
Jul	29	12105	3364	337	104	15910	77818
Aug	27	7091	5377	354	44	12866	90684
Sep	28	4200	13134	56	0	17390	108074
Oct	32	5282	17063	21	0	22366	130440
Nov	33	7385	14452	180	0	22017	152457
Dec	25	9567	3643	34	2	13246	165703
Total		77966	86134	1449	154	165703	
Jan/91	28	12829	3382	558	6	16775	16775
Feb	28	18249	1991	379	50	20669	37444
Mar	21	8454	1092	161	0	9707	47151
Apr	2	245	363	0	0	608	47759
May	11	505	5411	42	0	5958	53717
Jun	17	3895	5644	130	114	9783	63500
Jul	33	11599	5618	643	910	18770	82270
Aug	32	8239	7467	682	570	16958	99228
Sep	32	4070	12133	155	0	16358	115586
Total		68085	43101	2750	1650	115586	

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

MONTH	FRANCE	SPAIN	MAURITIUS	PANAMA	USSR	JAPAN	ST VINCENT	SEYCHELLES	TOTAL
Jan/90	20	21	2	-	2	4	-	-	49
Feb	20	21	1	-	8	4	-	-	54
Mar	19	21	2	-	8	4	-	-	54
Apr	19	21	2	-	8	3	-	-	53
May	18	19	2	-	9	3	-	-	51
Jun	14	18	2	1	1	3	-	-	39
Jul	14	18	2	1	4	3	-	-	42
Aug	13	20	2	1	4	3	-	-	43
Sep	15	22	2	1	3	3	-	-	46
Oct	16	21	2	1	2	2	-	-	44
Nov	16	19	1	1	3	3	-	-	43
Dec	14	19	2	1	4	3	-	-	43
Jan/91	14	19	2	1	4	3	-	-	43
Feb	14	18	2	1	3	4	-	-	42
Mar	14	17	2	1	1	3	1	-	39
Apr	14	17	3	1	-	3	1	1	40
May	13	17	3	1	-	3	1	1	39
Jun	16	18	3	1	-	3	-	1	42
Jul	17	19	3	1	-	3	-	1	44
Aug	17	19	3	1	-	4	-	1	45
Sep	17	19	3	1	-	4	-	1	45

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

SEINER	FLAG	GRT	1990		1991												
			OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP			
3	PENDRUC	France	1200	<	<	<	<	<	<	<	<	<	<	<	<	<	<
45	CAP ST PAUL	"	768	<	<	<	<	<	<	<	<	<	<	<	<	<	<
12	BAYDIA	"	1146	<	<	<	<	<	<	<	<	<	<	<	<	<	<
4	KERGUELEN	"	1146	<	<	<	<	<	<	<	<	<	<	<	<	<	<
27	TRESCAD	"	1146	<	<	<	<	<	<	<	<	<	<	<	<	<	<
6	ANFIN	"	773	<	<	<	<	<	<	<	<	<	<	<	<	<	<
53	CHRISTOPHE COLOMB	"	851	<	<	<	<	<	<	<	<	<	<	<	<	<	<
1	KERSAINT	"	1200	<	<	<	<	<	<	<	<	<	<	<	<	<	<
5	TREVIGNON II	"	1146	<	<	<	<	<	<	<	<	<	<	<	<	<	<
31	KERMADEC	"	1146	<	<	<	<	<	<	<	<	<	<	<	<	<	<
30	AVEL VIZ	"	768	<	<	<	<	<	<	<	<	<	<	<	<	<	<
2	DRENNED	"	1200	<	<	<	<	<	<	<	<	<	<	<	<	<	<
49	ROSPICQ	"	1146	<	<	<	<	<	<	<	<	<	<	<	<	<	<
29	MAGELLAN	"	851	<	<	<	<	<	<	<	<	<	<	<	<	<	<
48	GLENAN	"	1800	<	<	<	<	<	<	<	<	<	<	<	<	<	<
94	GLEDTEC	"	851	<	<	<	<	<	<	<	<	<	<	<	<	<	<
91	CAP BOLADOR	"	973	<	<	<	<	<	<	<	<	<	<	<	<	<	<
95	AVEL VOR	"	973	<	<	<	<	<	<	<	<	<	<	<	<	<	<
83	GOMBESA	"	760	<	<	<	<	<	<	<	<	<	<	<	<	<	<
74	ALAMADRABA TRES	Spain	1308	<	<	<	<	<	<	<	<	<	<	<	<	<	<
14	ELIZKADI ALAI	"	1385	<	<	<	<	<	<	<	<	<	<	<	<	<	<
36	ALBACORA DIECESEIS	"	1475	<	<	<	<	<	<	<	<	<	<	<	<	<	<
70	ALBACORA DOCE	"	1475	<	<	<	<	<	<	<	<	<	<	<	<	<	<
33	ALBACORA ONCE	"	1499	<	<	<	<	<	<	<	<	<	<	<	<	<	<
17	PLAYA DE NIJA	"	972	<	<	<	<	<	<	<	<	<	<	<	<	<	<
16	TXORI ZURU	"	1333	<	<	<	<	<	<	<	<	<	<	<	<	<	<
34	ALBACORA CUATRO	"	1585	<	<	<	<	<	<	<	<	<	<	<	<	<	<
18	TXORI URDIN	"	833	<	<	<	<	<	<	<	<	<	<	<	<	<	<
20	ALACRAN	"	1333	<	<	<	<	<	<	<	<	<	<	<	<	<	<
35	ALBACORA QUINCE	"	1475	<	<	<	<	<	<	<	<	<	<	<	<	<	<
15	NARANJO/KAI ALAI	"	1145	<	<	<	<	<	<	<	<	<	<	<	<	<	<
19	TXORI EDER	"	833	<	<	<	<	<	<	<	<	<	<	<	<	<	<
55	ALBACORA CATORCE	"	1475	<	<	<	<	<	<	<	<	<	<	<	<	<	<
71	ALBACORA SEIS	"	1345	<	<	<	<	<	<	<	<	<	<	<	<	<	<
22	JUAN RAMON EGANA	"	1536	<	<	<	<	<	<	<	<	<	<	<	<	<	<
24	ATERPE ALAI	"	988	<	<	<	<	<	<	<	<	<	<	<	<	<	<
86	INTER TUNA UNO	"	1498	<	<	<	<	<	<	<	<	<	<	<	<	<	<
76	MONTE LAPE	"	1095	<	<	<	<	<	<	<	<	<	<	<	<	<	<
78	MONTEALEGRE	"	1095	<	<	<	<	<	<	<	<	<	<	<	<	<	<
98	FELIPE RUANO	"	1498	<	<	<	<	<	<	<	<	<	<	<	<	<	<
89	INTER TUNA DOS	"	1475	<	<	<	<	<	<	<	<	<	<	<	<	<	<
25	TXORI AUNDI	Panama	1370	<	<	<	<	<	<	<	<	<	<	<	<	<	<
93	GOLD COAST	St Vincent	953	<	<	<	<	<	<	<	<	<	<	<	<	<	<
54	LADY SUSHIL I	Mauritius	535	<	<	<	<	<	<	<	<	<	<	<	<	<	<
63	LADY SUSHIL II	"	1038	<	<	<	<	<	<	<	<	<	<	<	<	<	<
96	GIRNE	"	1000	<	<	<	<	<	<	<	<	<	<	<	<	<	<
64	TRIZANKA	USSR	2635	<	<	<	<	<	<	<	<	<	<	<	<	<	<
73	TIDRA	"	2634	<	<	<	<	<	<	<	<	<	<	<	<	<	<
65	RODINA	"	2635	<	<	<	<	<	<	<	<	<	<	<	<	<	<
81	UNAROVSK	"	2635	<	<	<	<	<	<	<	<	<	<	<	<	<	<
82	UZHGORSK	"	2635	<	<	<	<	<	<	<	<	<	<	<	<	<	<
85	ZEMLYANSK	"	2635	<	<	<	<	<	<	<	<	<	<	<	<	<	<
80	TOMI MARU 61	Japan	498	<	<	<	<	<	<	<	<	<	<	<	<	<	<
79	HAYABUSA MARU 6	"	1009	<	<	<	<	<	<	<	<	<	<	<	<	<	<
68	NIPPON MARU	"	1788	<	<	<	<	<	<	<	<	<	<	<	<	<	<
90	FUKUTSCHI MARU 83	"	1615	<	<	<	<	<	<	<	<	<	<	<	<	<	<
92	DUC DE PRASLIN	Seychelles	573	<	<	<	<	<	<	<	<	<	<	<	<	<	<

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

MONTH	KOREAN VESSELS				JAPANESE VESSELS				TAIWANESE VESSELS				MAURITIUS VESSELS				
	LICENSED	CALL	UNLOADING	TRANSHIPMENT	LICENSED	CALL	UNLOADING	TRANSHIPMENT	LICENSED	CALL	UNLOADING	TRANSHIPMENT	LICENSED	CALL	UNLOADING	TRANSHIPMENT	TRANSHIPPED
Jan/90	35	12	10	1292	9	5	3	295	11				2				1587
Feb	6	6	5	677	7	1	1	140	1								817
Mar	6	5	4	395	10	4	2	280									675
Apr	0	1	0	0	8	2	0	0									0
May	7	5	0	0	3	1	0	0									0
Jun	28	8	3	485	2	5	0	0									485
Jul	9	7	2	280	1	0	0	0									280
Aug	15	13	4	595	0	0	0	0		1	1	120					715
Sep	11	18	2	140	0	3	0	0									140
Oct	15	8	2	190	6	2	0	0									190
Nov	24	4	0	0	6	5	0	0	3	1							0
Dec	9	5	2	270	9	2	0	0	5	1							270
Total	165	84	34	4324	61	30	6	715	20	3	1	120	2	0	0	0	5159
Vessel	88	62	33		19	17	6		16	3	1		2				
Jan/91	12	2	0		7	3	0		3								
Feb	1	2	0		5	9	2	202	0								202
Mar	1	2	0		5	2	0		0								
Apr					1	1											
May		1				1											
Jun																	
Jul	1	1															
Aug	2																
Sep	2	2															
Total	19	10	0	0	18	16	2	202	3	0	0	0	0	0	0	0	202
Vessel	18	9	0		9	9	2		3	0	0						