# Annex I The Gambia. Estimated densities from swept area hauls

#### SWEPT AREA ANALYSIS FROM STATION 294 TO STATION 310

#### Gambia 1995 by depth ranges

SPECIES NAME SAMPL	E DISTRIB. BY CATCH CLASSES	% inci- dence	Mean dens.	Mean densi	ties by bott	om depth st	rata t/nm²
	Lower limits, Kg/nm >0 10 30 100 300 1000	1	t/nm²	5- 20m	20- 50m	50-105m	105 - 105m
Dentex congoensis Brachydeuterus auritus Boops boops	$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	24 35 29	3.97 3.33 1.54	9.17	2.14 0.06	9.65 3.70	
Spicara alta Galeoides decadactylus	1 4 2	6 35	1.33 0.92	2.59	0.52	3.24	
Pagellus bellottii Pomadasys jubelini	6 3 2 1	65 6	0.89 0.56	0.02	1.38	1.16	
Pomadasys incisus Pseudupeneus prayensis JUVENILE FISHES	5 3 8 1 1 1 1 1	47 59 18	0.49 0.39 0.33	0.08 0.02 0.35	1.00 0.98 0.78	0.43 0.23	
Pomadasys peroteti Ariomma bondi Sparus caeruleostictus * Sepia officinalis hierredda	2 2 2 1 7 8 1	24 18 41 53	0.28 0.24 0.22 0.20	0.71 0.06 0.10	0.26 0.39 0.04	0.57 0.23 0.39	
Sparus pagrus africanus * Sphyraena guachancho Eucinostomus melanopterus Priacanthus arenatus Umbrina canariensis	2 3 1 3 1 6 1 1	12 24 24 35 12	0.19 0.18 0.16 0.14 0.11	0.60 0.09	0.09 0.32	0.47 0.26 0.12 0.27	
Pseudotolithus senegalensis	5	24	0.11	0.37		0.27	
Arius parkii Scorpaena scrofa Pomadasys rogeri Sparus auriga *	2 1 1 1 1 4	18 6 12 24	0.11 0.10 0.10 0.09	0.36 0.34	0.01	0.25 0.13	
Raja miraletus	2 1	18	0.09			0.22	
Octopus vulgaris Chelidonichthys lucerna Dicologoglossa cuneata Dasyatis margarita Fistularia petimba	5 1 7 4 7	24 6 41 18 41	0.08 0.07 0.07 0.06 0.06	0.19 0.02 0.14	0.03 0.05 0.04	0.06 0.16 0.13 0.11	
Chelidonichthys gabonensis Sphoeroides spengleri Pteroscion peli Penaeus notialis, female Penaeus notialis, male	5 7 2 4 4	29 41 12 24 24	0.05 0.05 0.05 0.03 0.03	0.16 0.06 0.09	0.01 0.11 0.03 0.02	0.12 0.04	
Penaeus kerathurus, female Penaeus kerathurus, male Penaeus notialis	2 3 1	12 18 6		0.01 0.01	0.01		
Other fish	•		0.56	0.43	0.65	0.60	
Sum all species			17.18	17.86	9.06	22.54	
Sum Snappers Sum Groupers Sum Grunts Sum Groakers			0.01 4.81 0.28	12.24 0.56	0.06 3.45	0.49 0.27	
Sum Seabreams Sum Sharks Sum Rays Sum Squids			0.17 0.34	0.11	2.08 0.01 0.08 0.09	0.22 15.41 0.22 0.53	
Sum Sum commercial shrimps			0.06	0.17	0.06		

Number of stations included in analysis, total and by depth strata 17

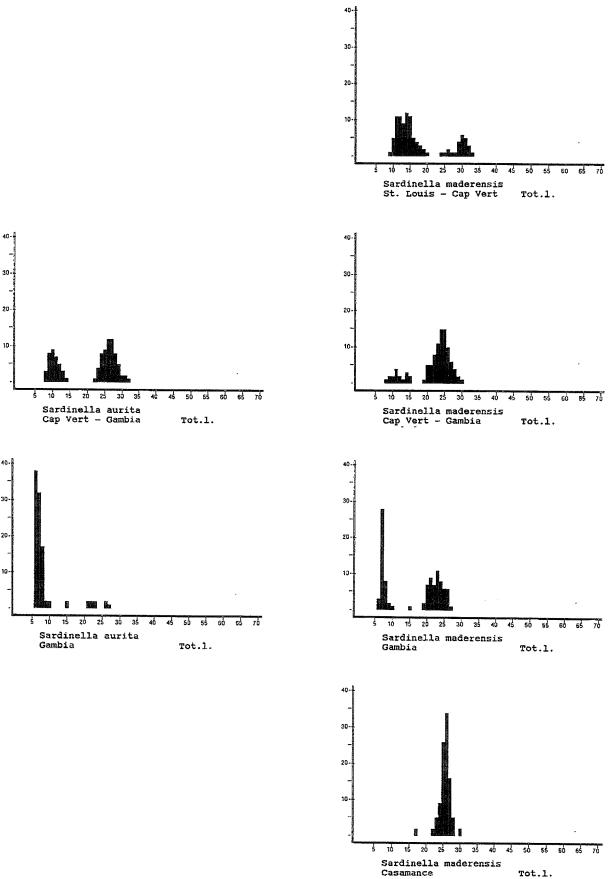
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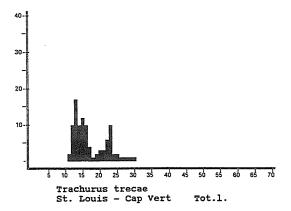
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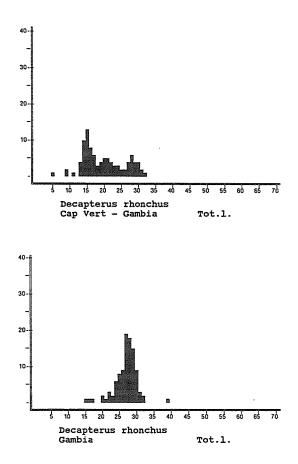
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Annex II Pooled length distributions by species and regions.







# Annex III Stock length distributions by numbers and weight

# Sardinella aurita

	Numbers in millions					Weight in 1 000 tonnes			
*****	Cap Vert	Saloum R		Casa-	Cap Vert	Saloum R		Casa-	
Length	-	-	Gambia	mance		-	Gambia	mance	
	Saloum R	Gambia			Saloum R	Gambia			
10	a management of the second	the second s				anna a na maraidh a fana faraidh a dha a a a Fallanna f	And the or African and a second se		
11						_			
12									
13									
14									
15							0.2		
16									
17									
18									
19	5.8				0.4				
20									
21			12.9				1.0		
22	22.9	5.6	8.6		2.2	0.5	0.8		
23	51.7	36.0	8.6		5.7	3.9	0.9		
24	126.6	70.9			15.7	8.8			
25	195.7	51.8			26.9	7.1			
26	149.8	112.6	12.9		23.0	17.3	2.0		
27	207.3	76.8	4.3		36.6	13.5	0.8		
28	161.1	42.9			31.8	8.5			
29	63.3	33.9			14.2	7.6			
30	11.6	19.2			2.8	4.6			
31	22.9	13.6			6.2	3.7			
32	28.7	1.1			8.6	0.3			
Total	1047.5	464.3	47.3		174.0	75.9	5.8		

## Sardinella maderensis

		Numbers in millions			Weight in 1 000 tonnes			
	Cap Vert	Saloum R		Casa-	Cap Vert	Saloum R		Casa-
Length	-	-	Gambia	mance		-	Gambia	mance
	Saloum R	Gambia			Saloum R	Gambia		
10				Ī				
11								
12								
13								
14		25.2				0.7		
15		4.7	14.9			0.1	0.4	
16								
17		4.7		3.5		0.2		0.
18		[	3.8				0.2	
19		32.9	40.8			2.0	2.5	
20		128.6	126.1			9.2	9.0	
21		186.8	159.4			14.5	12.3	
22		379.8	126.1	3.5		35.0	11.6	0.
23		566.7	200.3	10.6		60.3	21.3	1.
24	2.6	742.5	144.6	17.7	0.3	90.2	17.6	2.
25	21.5	515.0	107.5	53.2	2.9	68.7	14.3	7.
26	33.5	150.8	103.9	70.9	5.1	23.1	15.9	10.
27	21.5	42.3	22.2	31.9	3.9	7.6	4.0	5.
28	18.0			10.6	3.6		l	2.
29	8.6	ĺ			2.0	1		
30	4.3	Í		3.5	1.1	1	1	0.
31	1.7	1			0.4			
32						]		
Total	111.7	2780.0	1049.7	205.7	19.3	311.6	109.3	30.

# Annex IV Records of fishing stations

DATE: 7/11/95 GE	AR TYPE: BT NO:			N 1235
	(min) Purpose		Long	W 1709
LOG :6236.00 6237.60 1.60 FDEPTH: 16 16	Area cod GearCond			
BDEPTH: 16 16 Towing dir: 90° Wire	Validity out: 100 m Spe	code:	*10	
Sorted: 37 Kg Total ca		CATCH/		276.94
SPECIES	CATCH/H	OUR %	OF TOT. C	SAMP
	weight n	umbers		
Chloroscombrus chrysurus Sphyraena guachancho	55.36 44.20	776 136	19.99 15.96	517
Galeoides decadactylus Brachydeuterus auritus	34.30 30.88	300 2088	12.39 11.15	
Ilisha africana	26.64	2682	9.62	
Trichiurus lepturus Pseudotolithus senegalensis	18.36 15.20	118 46	6.63 5.49	
Sardinella maderensis	14.70	114	5.31	514
Arius parkii Cynoglossus canariensis	8.20 7.56	28 18	2,96 2,73	
Pomadasys peroteti Synaptura cadenati	7.56 4.14	18 36	2.73 1.49	
Pteroscion peli	3.78	586	1.36	
Selene dorsalis Penaeus notialis, female	2.34 1.18	36 62	0.84	516
Eucinostomus melanopterus	1.08	18	0,39	
Penaeus notialis, male Sepia sp.	0.72 0.28	56 72	0.26 0.10	515
Alectis alexandrinus	0.18	18	0.06	
Trachurus trecae Echeneis naucrates	0.10	18 10	0.04	
Total	276.86		99.97	
	AR TYPE: BT No:		ECT STATI ON:Lat	N 1249
start stop durati TIME :19:30:00 19:50:00 20	ion (min) Purpose			w 1707
LOG :6323.60 6324.70 1.10	Area cod	e :		
FDEPTH: 20 20 BDEPTH: 20 20	GearCond Validity			
	out: 100 m Spe	ed: 3 kn	*10	
Sorted: 26 Kg Total ca	atch: 286.95	CATCH/	HOUR:	860.85
SPECIES	CATCH/H	OUR %	OF TOT. C	SAMP
Brachydeuterus auritus	weight n 361.50	umbers 28710	41.99	
Galeoides decadactylus	186.90	6600	21.71	
Eucinostomus melanopterus Ilisha africana	81.90 45.60	1056 9900	9.51 5.30	
Pomadasys peroteti Carcharhinus limbatus	32.10 31.80	66 33	3.73 3.69	
Pseudotolithus senegalensis	19.20	66	2.23	
Sphyraena guachancho Chloroscombrus chrysurus	16.20 14.70	66 330	1.88 1.71	
Synaptura cadenati	14.19	198	1.65	
Dasyatis margarita Trichiurus l <del>e</del> pturus	13.20 13.20	66 1056	1.53 1.53	
Arius parkii Sepia sp.	11.70 10.23	66 1056	1.36 1.19	
Decapterus rhonchus	8.10	33	0.94	
Penaeus kerathurus	0.33	15	0.04	
Total	860.85		99.99	
		DDO 7	ECT STATI	ON . 201
start stop durati	R TYPE: BT No:		ON:Lat Long	N 1230
TIME :20:30:00 21:00:00 30 LOG :6329.30 6331.80 2.50	(min) Purpose Area cod		-2	
FDEPTH: 20 19	GearCond	. code :		
BDEPTH: 20 19 Towing dir: 220* Wire	Validity out: 100 m Spe		*10	
Sorted: 36 Kg Total ca	-	CATCH/		444.58
SPECIES	CATCH/H	OUR &	OF TOT. C	SAMP
Galeoides decadactylus	weight n 117.92	umbers 9100	26.52	
Brachydeuterus auritus	84.50	9490	19.01	
Arius parkii Ilisha africana	62.36 53.04	40 15860	14.03 11.93	
Torpedo torpedo Pseudotolithus senegalensis	36.28 20.16	40 78	8.16	
Dasyatis margarita	12.88	52	2.90	
Eucinostomus melanopterus Sphyraena guachancho	12.10 9.62	144 40	2.72 2.16	
Penaeus notialis, female	9.10	436	2.05	519
Penaeus notialis, male Scomberomorus tritor	8.50 6.90	668 26	1.91 1.55	518
Synaptura cadenati	3.00	26	0.67	
Chloroscombrus chrysurus Penaeus kerathurus, female	1.96 1.70	598 150	0.44	521
Selene dorsalis Lophius sp.	1.56	234	0.35	
Penaeus kerathurus, male	1.30 1.04	26 124	0.29 0.23	520
Pteroscion peli	0.66	52	0.15	
Total	444.58		99.98	

DATE: 7/11/95 GEAR T	PE: BT No:		ROJECT STATIO	
start stop duration			Long 1	W 1707
TIME :21:35:00 22:05:00 30 (min LOG :6334.90 6336.50 1.60	<ol> <li>Purpose Area cod</li> </ol>		3	
FDEPTH: 17 16	GearCond	l.code:		
BDEPTH: 17 16 Towing dir: 180° Wire out:	Validity	code: ed: 32	kn*10	
Sorted: 52 Kg Total catch:	291.77	CATO	H/HOUR:	583.54
SPECIES	CATCH/1		% OF TOT. C	SAMP
Sardinella maderensis	weight 1 153.00	2176	26.22	
Ilisha africana	144.26	31500		
Galeoides decadactylus Arius parkii	122.26 58.76	19500 22		
Sphyraena guachancho	48.50	100 3550	8.31	
Chloroscombrus chrysurus Pseudotolithus senegalensis	28.76 13.50	176		
Trichiurus lepturus	3.50	350		
Penaeus notialis Dasyatis margarita	2.38 2.00	26	0.41 0.34	
Pteroscion peli	2.00	550	0.34	
Lophius sp. Cynoglossus senegalensis	1.76	26 100	0.30 0.22	
Selene dorsalis	0.76	176	0.13	
Dícologoglossa sp. Penaeus kerathurus	0.08	26 4	0.13 0.01	
Total	583.54		99.99	
DATE: 8/11/95 GEAR TY	(PE: BT No:		ROJECT STATIO	
start stop duration			Long 1	N 1713
TIME :23:35:00 00:05:00 30 (min LOG :6347.50 6349.10 1.60	<ol> <li>Purpose Area coo</li> </ol>		3	
FDEPTH: 23 24	GearCond	d.code:		
BDEPTH: 23 24 Towing dir: 30° Wire out:	Validity	code:	kn*10	
Sorted: 106 Kg Total catch:	716.25	CATO	CH/HOUR: 14	432.50
SPECIES	CATCH/H weight r		% OF TOT. C	SAMP
Arius parkii	367.40	880	25.65	
Pomadasys peroteti Brachydeuterus auritus	275.00 260.70	660 4726	19.20 18.20	
Galeoides decadactylus	217.80	3476	15.20	
JUVENILE FISHES	65.12	10	4.55	
Arius heudeloti Arius latiscutatus	55.20 24.40	18 16	3.85 1.70	
Drepane africana	23.76	88	1.66	
Dasyatis margarita Trichiurus l <del>e</del> pturus	22.00 18.04	44 66	1.54	
Pseuduneneus pravensis		308		
racuadpencias prayenara	16.28			
Pseudupeneus prayensis Lagocephalus laevigatus BATRACHOIDIDAE	15.62	22	1.09	
BATRACHOIDIDAE Epinephelus alexandrinus *	15.62 11.44 10.56	22 44 110	1.09 0.80 0.74	
BATRACHOIDIDAE Epinephelus alexandrinus * Chloroscombrus chrysurus	15.62 11.44 10.56 5.94	22 44 110 88	1.09 0.80 0.74 0.41	
BATRACHOIDIDAE Bpinephelus alexandrinus * Chloroscombrus chrysurus Aluterus punctata Pseudotolithus senegalensis	15.62 11.44 10.56 5.94 5.50 5.20	22 44 110 88 22 2	1.09 0.80 0.74 0.41 0.38 0.36	
BATRACHOIDIDAE Epinephelus alexandrinus * Chloroscombrus chrysurus Aluterus punctata Pseudotolithus senegalensis Sardinella maderensis	15.62 11.44 10.56 5.94 5.50 5.20 4.62	22 44 110 88 22 2 66	1.09 0.80 0.74 0.41 0.38 0.36 0.32	
BATRACHOIDIDAE Epinephelus alexandrinus * Chloroscombrus chrysurus Aluterus punctata Pseudotolithus senegalensis Sardinella maderensis Arius parkii Pteroscion peli	15.62 11.44 10.56 5.94 5.50 5.20 4.62 4.20 4.18	22 44 110 88 22 2 66 2 22	1.09 0.80 0.74 0.41 0.38 0.36 0.32 0.29 0.29	
BATRACHOIDIDAE Bpinephelus alexandrinus * Chloroscombrus chrysurus Aluterus punctata Pseudotolithus senegalensis Sardinella maderensis Arius parkii Pteroscion peli Synaptura lusitanica	$15.62 \\ 11.44 \\ 10.56 \\ 5.94 \\ 5.50 \\ 5.20 \\ 4.62 \\ 4.20 \\ 4.18 \\ 3.52$	22 44 110 88 22 2 66 2 22 22 22	1.09 0.80 0.74 0.38 0.36 0.32 0.29 0.29 0.25	
BATRACHOIDIDAE Epinephelus alexandrinus * Chloroscombrus chrysurus Aluterus punctata Pseudotolithus senegalensis Sardinella maderensis Arius parkii Pteroscion peli Synaptura lusitanica Ilisha africana Bucinostomus melanopterus	15.62 $11.44$ $10.56$ $5.94$ $5.50$ $4.62$ $4.20$ $4.18$ $3.52$ $3.52$ $2.64$	22 44 110 88 22 2 66 2 2 22 22 22 418 22	1.09 0.80 0.74 0.41 0.38 0.36 0.32 0.29 0.29 0.25 0.25 0.18	
BATRACHOIDIDAE Byinephelus alexandrinus * Chloroscombrus chrysurus Aluterus punctata Pseudotolithus senegalensis Sardinella maderensis Arius parkii Pteroscion peli Synaptura lusitanica Ilisha africana Bucinostomus melanopterus Serranus cabrilla	15.62 $11.44$ $10.56$ $5.94$ $5.50$ $4.62$ $4.20$ $4.18$ $3.52$ $3.52$ $2.64$ $1.98$	22 44 110 88 22 2 66 2 2 22 22 22 418 22 110	1.09 0.80 0.74 0.41 0.38 0.36 0.29 0.29 0.29 0.25 0.25	
BARRACHOIDIDAE Byinephelus alexandrinus * Chloroscombrus chrysurus Aluterus punctata Pseudotolithus senegalensis Sardinella maderensis Arius parkii Pteroscion peli Synaptura lusitanica Ilisha africana Ducinostomus melanopterus Serranus cabrilla Torpedo torpedo Rhizopriondon acutus	15.62 11.44 10.56 5.94 5.50 4.62 4.20 4.18 3.52 2.64 1.98 1.98	22 44 110 88 22 2 66 2 22 22 22 418 22 110 22 22 2	1.09 0.80 0.74 0.41 0.38 0.32 0.29 0.25 0.25 0.25 0.25 0.18 0.14 0.14	
BATRACHOIDIDAE Byinephelus alexandrinus * Chloroscombrus chrysurus Aluterus punctata Pseudotolithus senegalensis Sardinella maderensis Arius parkii Pteroscion peli Synaptura lusitanica Ilisha africana Bucinostomus melanopterus Serranus cabrilla Torpedo torpedo Rhizoprionodon acutus Scorpaena sp.	15.62 11.44 10.56 5.94 5.50 4.62 4.20 4.18 3.52 3.52 2.64 1.98 1.98	22 44 110 88 22 22 22 22 22 22 22 22 22 22 22 22	$\begin{array}{c} 1.09\\ 0.80\\ 0.74\\ 0.41\\ 0.38\\ 0.36\\ 0.32\\ 0.29\\ 0.25\\ 0.25\\ 0.25\\ 0.18\\ 0.14\\ 0.14\\ 0.14\\ 0.12 \end{array}$	
BATRACHOIDIDAE Byinephelus alexandrinus * Chloroscombrus chrysurus Aluterus punctata Pseudotolithus senegalensis Sardinella maderensis Arius parkii Pteroscion peli Synaptura lusitanica Ilisha africana Eucinostomus melanopterus Serranus cabrilla Torpedo torpedo Rhizoprionedon acutus Scorpaena sp. Penaeus notialis Syacium micrurum	15.62 11.44 10.56 5.94 5.50 5.20 4.62 4.20 4.18 3.52 2.64 1.98 1.98 1.98 1.94 1.76 0.88 0.66	22 44 110 88 88 22 22 22 22 22 418 22 110 22 22 44 44 44	$\begin{array}{c} 1.09\\ 0.80\\ 0.74\\ 0.41\\ 0.38\\ 0.36\\ 0.32\\ 0.29\\ 0.25\\ 0.25\\ 0.25\\ 0.25\\ 0.14\\ 0.14\\ 0.14\\ 0.14\\ 0.12\\ 0.06\\ 0.05\\ \end{array}$	
BARRACHOIDIDAE Byinephelus alexandrinus * Chloroscombrus chrysurus Aluterus punctata Pseudotolithus senegalensis Sardinella maderensis Arius parkii Pteroscion peli Synaptura lusitanica Ilisha africana Bucinostomus melanopterus Serranus cabrilla Torpedo torpedo Rhizoprionodon acutus Scorpeana sp. Penaeus notialis Syacium micrurum Sphyraena sp.	$15.62 \\ 11.44 \\ 10.56 \\ 5.94 \\ 5.50 \\ 4.62 \\ 4.20 \\ 4.18 \\ 3.52 \\ 2.64 \\ 1.98 \\ 1.98 \\ 1.98 \\ 1.98 \\ 1.98 \\ 0.66 \\ 0.44 \\ 0.66 \\ 0.66 \\ 0.44 \\ 0.66 \\ 0.66 \\ 0.44 \\ 0.66$	22 44 1100 88 22 2 2 22 22 22 418 22 22 110 222 2 44 44 44 44 44	$\begin{array}{c} 1.09\\ 0.80\\ 0.74\\ 0.41\\ 0.38\\ 0.36\\ 0.32\\ 0.29\\ 0.25\\ 0.25\\ 0.18\\ 0.14\\ 0.14\\ 0.14\\ 0.14\\ 0.14\\ 0.06\\ 0.05\\ 0.03\\ \end{array}$	
BATRACHOIDIDAE Epinephelus alexandrinus * Chloroscombrus chrysurus Aluterus punctata Pseudotolithus senegalensis Sardinella maderensis Arius parkii Pteroscion peli Synaptura lusitanica Ilisha africana Bucinostomus melanopterus Serranus cabrilla Torpedo torpedo Rhizoprionodon acutus Scorpaena sp. Penaeus notialis Syacium micrurum Sphyraena sp.	$15.62 \\ 11.44 \\ 10.56 \\ 5.94 \\ 5.50 \\ 4.62 \\ 4.20 \\ 4.18 \\ 3.52 \\ 2.64 \\ 1.98 \\ 1.98 \\ 1.98 \\ 1.94 \\ 1.76 \\ 0.88 \\ 0.66 \\ 0.44 \\ 0.22 \\ 0.24$	22 44 110 88 88 22 22 22 22 22 418 22 110 22 22 44 44 44	$\begin{array}{c} 1.09\\ 0.80\\ 0.74\\ 0.41\\ 0.38\\ 0.36\\ 0.32\\ 0.29\\ 0.25\\ 0.25\\ 0.25\\ 0.18\\ 0.14\\ 0.14\\ 0.14\\ 0.12\\ 0.06\\ 0.05\\ 0.03\\ 0.02\\ \end{array}$	
BARRACHOIDIDAE Byinephelus alexandrinus * Chloroscombrus chrysurus Aluterus punctata Pseudotolithus senegalensis Sardinella maderensis Arius parkii Pteroscion peli Synaptura lusitanica Ilisha africana Bucinostomus melanopterus Serranus cabrilla Torpedo torpedo Rhizoprionodon acutus Scorpeana sp. Penaeus notialis Syacium micrurum Sphyraena sp.	$15.62 \\ 11.44 \\ 10.56 \\ 5.94 \\ 5.50 \\ 4.62 \\ 4.20 \\ 4.18 \\ 3.52 \\ 2.64 \\ 1.98 \\ 1.98 \\ 1.98 \\ 1.98 \\ 1.98 \\ 0.66 \\ 0.44 \\ 0.66 \\ 0.66 \\ 0.44 \\ 0.66 \\ 0.66 \\ 0.44 \\ 0.66$	22 44 1100 88 22 2 2 22 22 22 418 22 22 110 222 2 44 44 44 44 44	$\begin{array}{c} 1.09\\ 0.80\\ 0.74\\ 0.41\\ 0.38\\ 0.36\\ 0.32\\ 0.29\\ 0.25\\ 0.25\\ 0.18\\ 0.14\\ 0.14\\ 0.14\\ 0.14\\ 0.14\\ 0.06\\ 0.05\\ 0.03\\ \end{array}$	
BARRACHOIDIDAE Epinephelus alexandrinus * Chloroscombrus chrysurus Aluterus punctata Pseudotolithus senegalensis Sardinella maderensis Arius parkii Pteroscion peli Synaptura lusitanica Ilisha africana Bucinostomus melanopterus Serranus cabrilla Torpedo torpedo Rhizoprionodon acutus Scorpaena sp. Penaeus notialis Synarium micrurum Sphyraena sp. Penaeus kerathurus	$15.62 \\ 11.44 \\ 10.56 \\ 5.94 \\ 5.50 \\ 4.62 \\ 4.20 \\ 4.18 \\ 3.52 \\ 2.64 \\ 1.98 \\ 1.98 \\ 1.98 \\ 1.94 \\ 1.76 \\ 0.88 \\ 0.66 \\ 0.44 \\ 0.22 \\ 0.24$	22 44 1100 88 22 2 2 22 22 22 418 22 22 110 222 2 44 44 44 44 44	$\begin{array}{c} 1.09\\ 0.80\\ 0.74\\ 0.41\\ 0.38\\ 0.36\\ 0.32\\ 0.29\\ 0.25\\ 0.25\\ 0.25\\ 0.18\\ 0.14\\ 0.14\\ 0.14\\ 0.12\\ 0.06\\ 0.05\\ 0.03\\ 0.02\\ \end{array}$	
BATRACHOIDIDAE Epinephelus alexandrinus * Chloroscombrus chrysurus Aluterus punctata Pseudotolithus senegalensis Sardinella maderensis Arius parkii Pteroscion peli Synaptura lusitanica Ilisha africana Bucinostomus melanopterus Serranus cabrilla Torpedo torpedo Rhizoprionodon acutus Scorpaena sp. Penaeus notialis Syacium micrurum Sphyraena sp.	$15.62 \\ 11.44 \\ 10.56 \\ 5.94 \\ 5.50 \\ 4.62 \\ 4.20 \\ 4.18 \\ 3.52 \\ 2.64 \\ 1.98 \\ 1.98 \\ 1.98 \\ 1.94 \\ 1.76 \\ 0.88 \\ 0.66 \\ 0.44 \\ 0.22 \\ 0.24$	22 44 1100 88 22 2 2 22 22 22 418 22 22 110 222 2 44 44 44 44 44	$\begin{array}{c} 1.09\\ 0.80\\ 0.74\\ 0.41\\ 0.38\\ 0.36\\ 0.32\\ 0.29\\ 0.25\\ 0.25\\ 0.25\\ 0.18\\ 0.14\\ 0.14\\ 0.14\\ 0.12\\ 0.06\\ 0.05\\ 0.03\\ 0.02\\ \end{array}$	
BATRACHOIDIDAE Epinephelus alexandrinus * Chloroscombrus chrysurus Aluterus punctata Pseudotolithus senegalensis Sardinella maderensis Arius parkii Pteroscion peli Synaptura lusitanica Ilisha africana Bucinostomus melanopterus Serranus cabrilla Torpedo torpedo Rhizoprionodon acutus Scorpaena sp. Penaeus notialis Syacium micrurum Sphyraena sp.	$15.62 \\ 11.44 \\ 10.56 \\ 5.94 \\ 5.50 \\ 4.62 \\ 4.20 \\ 4.18 \\ 3.52 \\ 2.64 \\ 1.98 \\ 1.98 \\ 1.98 \\ 1.94 \\ 1.76 \\ 0.88 \\ 0.66 \\ 0.44 \\ 0.22 \\ 0.24$	22 44 1100 88 22 2 2 22 22 22 418 22 22 110 222 2 44 44 44 44 44	$\begin{array}{c} 1.09\\ 0.80\\ 0.74\\ 0.41\\ 0.38\\ 0.36\\ 0.32\\ 0.29\\ 0.25\\ 0.25\\ 0.25\\ 0.18\\ 0.14\\ 0.14\\ 0.14\\ 0.12\\ 0.06\\ 0.05\\ 0.03\\ 0.02\\ \end{array}$	
BATRACHOIDIDAE Epinephelus alexandrinus * Chloroscombrus chrysurus Aluterus punctata Pseudotolithus senegalensis Sardinella maderensis Arius parkii Pteroscion peli Synaptura lusitanica Ilisha africana Bucinostomus melanopterus Serranus cabrilla Torpedo torpedo Rhizoprionodon acutus Scorpaena sp. Penaeus notialis Syacium micrurum Sphyraena sp.	$15.62 \\ 11.44 \\ 10.56 \\ 5.94 \\ 5.50 \\ 4.62 \\ 4.20 \\ 4.18 \\ 3.52 \\ 2.64 \\ 1.98 \\ 1.98 \\ 1.98 \\ 1.94 \\ 1.76 \\ 0.88 \\ 0.66 \\ 0.44 \\ 0.22 \\ 0.24$	22 44 110 88 22 2 22 22 22 110 22 22 110 22 2 2 44 44 44 42 22 22	1.09 0.80 0.74 0.41 0.38 0.35 0.29 0.29 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25	- <u>10</u> 4
BARRACHOIDIDAE Epinephelus alexandrinus * Chloroscombrus chrysurus Aluterus punctata Pseudotolithus senegalensis Sardinella maderensis Arius parkii Pteroscion peli Synaptura lusitanica Ilisha africana Bucinostomus melanopterus Serranus cabrilla Torpedo torpedo Rhizoprionodon acutus Scorpaena sp. Penaeus notialis Syacium micrurum Sphyraena sp. Penaeus kerathurus Total	$15.62 \\ 11.44 \\ 10.56 \\ 5.94 \\ 5.50 \\ 4.62 \\ 4.20 \\ 4.18 \\ 3.52 \\ 2.64 \\ 1.98 \\ 1.98 \\ 1.98 \\ 1.94 \\ 1.76 \\ 0.88 \\ 0.66 \\ 0.44 \\ 0.22 \\ 0.24$	22 44 41 88 22 2 22 22 22 22 22 22 110 22 22 110 22 2 44 44 44 22 22	1.09 0.80 0.74 0.41 0.38 0.35 0.29 0.29 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25	N 1304
BARRACHOIDIDAE Byinephelus alexandrinus * Chloroscombrus chrysurus Aluterus punctata Pseudotolithus senegalensis Sardinella maderensis Arius parkii Pteroscion peli Synaptura lusitanica Ilisha africana Ducinostomus melanopterus Serranus cabrilla Torpedo torpedo Rhizoprionodon acutus Scorpaena sp. Penaeus notialis Syacium micrurum Sphyraena sp. Penaeus kerathurus Total DATE: 8/11/95 GEAR TI start stop duration	15.62 11.44 10.56 5.94 5.50 4.62 4.20 4.18 3.52 2.64 1.98 1.98 1.98 1.98 1.98 1.96 0.88 0.66 0.44 0.22 1432.50	22 44 110 88 22 2 22 22 22 22 22 110 22 2 2 2 2 2 2	L.09 0.80 0.74 0.41 0.36 0.32 0.29 0.29 0.25 0.25 0.25 0.25 0.14 0.14 0.14 0.12 0.06 0.05 0.03 0.02 100.01	
BATRACHOIDIDAE Epinephelus alexandrinus * Chloroscombrus chrysurus Aluterus punctata Pseudotolithus senegalensis Sardinella maderensis Arius parkii Pteroscion peli Synaptura lusitanica Ilisha africana Ducinostomus melanopterus Serranus cabrilla Torpedo torpedo Rhizoprionodon acutus Scorpaena sp. Penaeus notialis Syacium micrurum Sphyraena sp. Penaeus kerathurus Total DATE: 8/11/95 GEAR TY start stop duration TIME :07:15:00 07:45:00 30 (mir LOG : 6410.80 6422.30 1.50	15.62 11.44 10.56 5.94 5.50 5.20 4.62 4.20 4.18 3.52 3.52 2.64 1.98 1.98 1.98 1.98 1.98 1.94 1.76 0.88 0.66 0.44 0.22 1432.50 Purpose Area cod	22 44 110 88 22 2 22 22 22 22 110 22 22 44 44 44 42 22 22 44 44 44 22 22	L.09 0.80 0.74 0.41 0.36 0.32 0.29 0.29 0.25 0.25 0.25 0.25 0.14 0.14 0.14 0.12 0.06 0.05 0.03 0.02 100.01	N 1304
BARRACHOIDIDAE Byinephelus alexandrinus * Chloroscombrus chrysurus Aluterus punctata Pseudotolithus senegalensis Sardinella maderensis Arius parkii Pteroscion peli Synaptura lusitanica Ilisha africana Ducinostomus melanopterus Serranus cabrilla Torpedo torpedo Rhizoprionodon acutus Scorpaena sp. Penaeus notialis Syacium micrurum Sphyraena sp. Penaeus kerathurus Total DATE: 8/11/95 GEAR TI start stop duration TIME :07:15:00 07:45:00 30 (mir LOG :6410.80 6412.30 1.50 FDEFTH: 105 100	15.62 11.44 10.56 5.94 5.50 5.20 4.62 4.20 4.18 3.52 2.64 1.98 1.98 1.98 1.94 1.76 0.88 0.66 0.44 0.22 1432.50 Purpose Area coo GearCon GearCon	22 44 110 88 22 22 418 22 22 418 22 22 418 22 22 44 44 44 44 44 22 22 24 4 1 1 0 22 2 2 4 1 1 0 22 2 2 2 4 1 1 0 22 2 2 2 4 1 1 0 22 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	L.09 0.80 0.74 0.41 0.36 0.32 0.29 0.29 0.25 0.25 0.25 0.25 0.14 0.14 0.14 0.12 0.06 0.05 0.03 0.02 100.01	N 1304
BARRACHOIDIDAE Byinephelus alexandrinus * Chloroscombrus chrysurus Aluterus punctata Pseudotolithus senegalensis Sardinella maderensis Arius parkii Pteroscion peli Synaptura lusitanica Ilisha africana Ducinostomus melanopterus Serranus cabrilla Torpedo torpedo Rhizoprionodon acutus Scorpaena sp. Penaeus notialis Syadium micrurum Sphyraena sp. Penaeus kerathurus Total DATE: 8/11/95 GEAR TY start stop duration TIME :07:15:00 07:45:00 30 (mir LOG : 6410.80 6422.30 1.50	15.62 11.44 10.56 5.94 5.50 5.20 4.62 4.20 4.18 3.52 2.64 1.98 1.94 1.98 1.9	22 44 110 88 22 2 66 6 2 2 2 2 2 2 2 2 2 2 2 2 2	<pre>1.09</pre>	N 1304
BATRACHOIDIDAE Epinephelus alexandrinus * Chloroscombrus chrysurus Aluterus punctata Pseudotolithus senegalensis Sardinella maderensis Arius parkii Pteroscion peli Synaptura lusitanica Ilisha africana Bucinostomus melanopterus Serranus cabrilla Torpedo torpedo Rhizoprionodon acutus Scorpena sp. Penaeus notialis Syacium micrurum Sphyraena sp. Penaeus kerathurus Total DATE: 8/11/95 GEAR TI start stop duration TIME :07:15:00 07:45:00 30 (mir LOG :6410.80 6412.30 1.50 FDETH: 105 100 EDEFTH: 105 100	15.62 11.44 10.56 5.94 5.50 5.20 4.62 4.20 4.18 3.52 2.64 1.98 1.92 1.93 1.9	22 44 110 88 22 2 66 6 2 22 22 22 22 44 44 42 22 22 44 44 44 4	<pre>1.09 1.09 0.80 0.74 0.41 0.38 0.36 0.32 0.29 0.25 0.25 0.25 0.25 0.25 0.14 0.14 0.14 0.12 0.06 0.05 0.03 0.02 100.01 </pre>	N 1304 N 1735
BARRACHOIDIDAE Epinephelus alexandrinus * Chloroscombrus chrysurus Aluterus punctata Pseudotolithus senegalensis Sardinella maderensis Arius parkii Pteroscion peli Synaptura lusitanica Ilisha africana Ducinostomus melanopterus Serranus cabrilla Torpedo torpedo Rhizoprionodon acutus Scorpaena sp. Penaeus notialis Syacium micrurum Sphyraena sp. Penaeus kerathurus Total DATE: 8/11/95 GEAR TI start stop duration TIME :07:15:00 07:45:00 30 (mir LOG :6410.80 6412.30 1.50 FDEPTH: 105 100 BDEEPH: 105 100	15.62 11.44 10.56 5.94 5.50 5.20 4.62 4.20 4.18 3.52 2.64 1.98 1.92 1.93 1.9	22 44 110 88 22 2 66 6 2 22 22 22 22 44 44 42 22 22 44 44 44 4	<pre>1.09 1.09 0.80 0.74 0.41 0.38 0.36 0.32 0.29 0.25 0.25 0.25 0.25 0.25 0.14 0.14 0.14 0.14 0.14 0.14 0.14 0.14</pre>	N 1304
BARRACHOIDIDAE Epinephelus alexandrinus * Chloroscombrus chrysurus Aluterus punctata Pseudotolithus senegalensis Sardinella maderensis Arius parkii Pteroscion peli Synaptura lusitanica Ilisha africana Bucinostomus melanopterus Serranus cabrilla Torpedo torpedo Rhizoprionodon acutus Scorpaena sp. Penaeus notialis Syacium micrurum Sphyraena sp. Penaeus kerathurus Total DATE: 8/11/95 GEAR TI start stop duration TIME :07:15:00 07:45:00 30 (min LOG :6410.80 6412.30 1.50 FDEPTH: 105 100 EDEPTH: 105 100 Towing dir: 33* Wire out: Sorted: 85 Kg Total catch:	15.62 11.44 10.56 5.94 5.50 5.20 4.62 4.20 4.18 3.52 2.64 1.98 1.94 1.98 1.97 1.93	22 44 110 88 22 2 66 6 2 22 22 22 22 44 44 44 42 22 24 4 44 44	1.09 0.80 0.74 0.41 0.38 0.32 0.29 0.25 0.25 0.25 0.25 0.25 0.25 0.14 0.14 0.14 0.14 0.14 0.14 0.05 0.05 0.05 0.03 0.02 	N 1304 N 1735
BARRACHOIDIDAE Epinephelus alexandrinus * Chloroscombrus chrysurus Aluterus punctata Pseudotolithus senegalensis Sardinella maderensis Arius parkii Pteroscion peli Synaptura lusitanica Ilisha africana Bucinostomus melanopterus Serranus cabrilla Torpedo torpedo Rhizoprionodon acutus Scorpeana sp. Penaeus notialis Syacium micrurum Sphyraena sp. Penaeus kerathurus Total DATE: 8/11/95 GEAR TI start stop duration TIME :07:15:00 30 (mir LOG :6410.80 6412.30 1.50 FDEPTH: 105 100 BUEFTH: 105 100	15.62 11.44 10.56 5.94 5.50 5.20 4.62 4.20 4.18 3.52 2.64 1.98 1.98 1.94 1.76 0.88 0.66 0.44 0.22 1432.50 (PE: BT No: a) Purpose Area con GearConc Validity 350 m Spe 1679.10 CATCH/F	22 44 110 88 22 2 66 6 2 22 22 22 22 44 44 44 42 22 24 4 44 44	<pre>1.09 1.09 0.80 0.74 0.41 0.38 0.36 0.32 0.29 0.25 0.25 0.25 0.25 0.25 0.14 0.14 0.14 0.12 0.06 0.05 0.03 0.02 100.01 </pre>	N 1304 N 1735
BARRACHOIDIDAE Byinephelus alexandrinus * Chloroscombrus chrysurus Aluterus punctata Pseudotolithus senegalensis Sardinella maderensis Arius parkii Pteroscion peli Synaptura lusitanica Ilisha africana Ducinostomus melanopterus Serranus cabrilla Torpedo torpedo Rhizoprionodon acutus Scorpaena sp. Penaeus notialis Syacium micrurum Sphyraena sp. Penaeus notialis Total DATE: 8/11/95 GEAR TI start stop duration TIME :07:15:00 07:45:00 30 (mir LOG :6410.80 6412.30 1.50 FDEPTH: 105 100 BDEPTH: 105 100 BDEPTH: 105 100 Towing dir: 33" Wire out: Sorted: 85 Kg Total catch: SPECIES Dentex congoensis	15.62 11.44 10.56 5.94 5.50 5.20 4.62 4.20 4.18 3.52 2.64 1.98 1.98 1.94 1.76 0.88 0.66 0.44 0.22 1432.50 Purpose Area coo GearConc Validity 350 m Spe : 1679.10 CATCH/F weight r 1732.00	22 44 110 88 22 22 418 120 22 418 122 22 418 122 22 44 44 44 44 44 44 44 44 44 44 44 22 22	<pre>1.09 0.80 0.74 0.11 0.38 0.32 0.29 0.25 0.25 0.25 0.18 0.14 0.14 0.14 0.12 0.06 0.03 0.02 100.01</pre>	N 1304 N 1735
BARRACHOIDIDAE Epinephelus alexandrinus * Chloroscombrus chrysurus Aluterus punctata Pseudotolithus senegalensis Sardinella maderensis Arius parkii Pteroscion peli Synaptura lusitanica Ilisha africana Ducinostomus melanopterus Serranus cabrilla Torpedo torpedo Rhizoprionodon acutus Scorpaena sp. Penaeus notialis Syacium micrurum Sphyraena sp. Penaeus hotialis Sylayiena sp. Penaeus kerathurus Total DATE: 8/11/95 GEAR TI Start stop duration TIME :07:15:00 07:45:00 30 (mir LOG :6410.80 6412.30 1.50 FDEPTH: 105 100 BDEFTH: 105 100 BDEFTH: 105 100 Sorted: 85 Kg Total catch:	15.62 11.44 10.56 5.94 5.50 5.20 4.62 4.20 4.18 3.52 2.64 1.98 1.94 1.98 1.97 1.98 1.97 1.97 1.97 1.97 1.97 1.0	22 44 110 88 22 2 66 6 2 22 22 22 22 110 22 2 2 44 44 42 2 2 2 44 44 42 2 2 2 10 22 2 2 44 4 4 4 2 2 2 2 44 4 4 4 2 2 2 2 44 4 4 4 4 2 2 2 2 4	<pre>1.09 0.80 0.74 0.41 0.38 0.36 0.32 0.29 0.25 0.25 0.25 0.25 0.14 0.14 0.14 0.14 0.12 0.06 0.05 0.03 0.02 100.01 </pre>	N 1304 N 1735 358.20 SAMP
BARRACHOIDIDAE Epinephelus alexandrinus * Chloroscombrus chrysurus Aluterus punctata Pseudotolithus senegalensis Sardinella maderensis Arius parkii Pteroscion peli Synaptura lusitanica Ilisha africana Bucinostomus melanopterus Serranus cabrilla Torpedo torpedo Rhizoprionodon acutus Scorpaena sp. Penaeus notialis Syacium micrurum Sphyraena sp. Penaeus kerathurus Total DATE: 8/11/95 GEAR TI start stop duration TIME 107:15:00 30 (mir LOG :6410.80 6412.30 1.50 FDEPTH: 105 100 BDEFTH: 105 100 BDEFTH: 105 100 Sorted: 85 Kg Total catch: SPECIES Dentex congoensis Spicara alta Boops boops Ariomma bondi	15.62 11.44 10.56 5.94 5.50 5.20 4.62 4.20 4.18 3.52 2.64 1.98 1.97 1.9	22 44 110 88 22 2 66 2 22 22 48 110 22 2 44 44 44 44 44 44 44 22 22 2 44 44	<pre>1.09 0.80 0.74 0.41 0.38 0.35 0.29 0.29 0.25 0.25 0.25 0.25 0.14 0.14 0.14 0.14 0.14 0.12 0.06 0.05 0.03 0.02 100.01 KOJECT STATIA ITION:Lat 1 Long 1 3 kn*10 CH/HOUR: 3: \$ OF TOT. C 51.58 20.25 19.24 2.98</pre>	N 1304 # 1735 358.20 SAMP
BARRACHOIDIDAE Epinephelus alexandrinus * Chloroscombrus chrysurus Aluterus punctata Pseudotolithus senegalensis Sardinella maderensis Arius parkii Pteroscion peli Synaptura lusitanica Ilisha africana Ducinostomus melanopterus Serranus cabrilla Torpedo torpedo Rhizoprionodon acutus Scorpaena sp. Penaeus notialis Syacium micrurum Sphyraena sp. Penaeus kerathurus Total DATE: 8/11/95 GEAR TI start stop duration TIME :07:15:00 07:45:00 30 (min LOG :6410.80 6412.30 1.50 FDEPTH: 105 100 EDEPTH: 105 100 Towing dir: 33° Wire out: Sorted: 85 Kg Total catch: SPECIES Dentex congoensis Spicara alta Boops boops Ariomma bondi Scorpaena scrofa	15.62 11.44 10.56 5.94 5.50 4.62 4.20 4.18 3.52 2.64 1.98 1.98 1.98 1.98 1.98 1.94 1.76 0.88 0.66 0.44 0.22 1432.50 (PE: BT No: 1432.50 (PE: BT No: 1432.50 (CATCH/F) weight 1679.10 CATCH/F 1732.00 680.00 646.00 100.00 52.00	22 44 10 88 82 22 22 418 22 22 418 22 22 418 44 44 44 44 44 44 44 44 44 44 44 44 44	<pre>1.09 0.80 0.74 0.41 0.38 0.32 0.29 0.25 0.25 0.38 0.14 0.14 0.14 0.14 0.12 0.06 0.05 0.03 0.02 </pre>	N 1304 # 1735 358.20 SAMP
BATRACHOIDIDAE Epinephelus alexandrinus * Chloroscombrus chrysurus Aluterus punctata Pseudotolithus senegalensis Sardinella maderensis Arius parkii Pteroscion peli Synaptura lusitanica Ilisha africana Ducinostomus melanopterus Serranus cabrilla Torpedo torpedo Rhizoprionodon acutus Scorpaena sp. Penaeus notialis Syacium micrurum Syhyraena sp. Penaeus kerathurus Total DATE: 8/11/95 GEAR TI Start stop duration TIME :07:15:00 07:45:00 30 (mir LOG :6410.80 6412.30 1.50 FDEPTH: 105 100 BDEFTH: 105 100 BDEFTH: 105 100 Sorted: 85 Kg Total catch: SPECIES Dentex congoensis Spicara alta Boops boops Arionma bondi Scorpaena scrofa Umbrina canariensis Sparus pagus africanus *	15.62 11.44 10.56 5.94 5.50 5.20 4.62 4.20 4.18 3.52 2.64 1.98 1.94 1.98 1.97 1.00 CATCH/F Weight r 1.732.00 646.00 10.00 52.00 50.00 36.00	22 44 110 88 22 2 66 6 2 22 22 418 22 2 2 44 44 44 42 2 2 2 44 44 44 42 2 2 2 44 4 4 4 4 4 2 2 2 44 4 4 4 4 4 4 2 2 2 4 4 4 4 4 4 4 4 4 2 2 2 4	<pre>1.09 0.80 0.74 0.41 0.38 0.36 0.32 0.29 0.25 0.25 0.25 0.25 0.14 0.14 0.14 0.14 0.12 0.06 0.05 0.03 0.02</pre>	N 1304 # 1735 358.20 SAMP
BARRACHOIDIDAE Epinephelus alexandrinus * Chloroscombrus chrysurus Aluterus punctata Pseudotolithus senegalensis Sardinella maderensis Arius parkii Pteroscion peli Synaptura lusitanica Ilisha africana Bucinostomus melanopterus Serranus cabrilla Torpedo torpedo Rhizoprionodon acutus Scorpaena sp. Penaeus notialis Syacium micrurum Sphyraena sp. Penaeus kerathurus Total DATE: 8/11/95 GEAR TI start stop duration TIME :07:15:00 07:45:00 30 (mir LOG :6410.80 6412.30 1.50 FDEEPTH: 105 100 EDEPTH: 105 100 EDEPTH: 105 100 Towing dir: 33° Wire out: Sorted: 85 Kg Total catch: SPECIES Dentex congoensis Spicara alta Boops boops Ariomma bondi Scorpaena scrofa Umbrina camariensis Sparus pagrus africanus * Raja miraletus	15.62 11.44 10.56 5.94 5.50 5.20 4.62 4.20 4.18 3.52 2.64 1.98 1.98 1.94 1.76 0.88 0.66 0.44 0.22 1432.50 1432.50 Purpose Area coo GearConc Validity 350 m Spe 1732.00 680.00 646.00 100.00 52.00 50.00 36.00 32.00	22 44 110 88 22 22 418 22 22 418 22 22 44 44 44 44 44 44 44 44 44 44 44	<pre>1.09 0.80 0.74 0.11 0.38 0.32 0.29 0.25 0.25 0.25 0.18 0.14 0.14 0.14 0.12 0.06 0.05 0.03 0.02 100.01</pre>	N 1304 # 1735 358.20 SAMP
BARRACHOIDIDAE BARRACHOIDIDAE Epinephelus alexandrinus * Chloroscombrus chrysurus Aluterus punctata Pseudotolithus senegalensis Sardinella maderensis Arius parkii Pteroscion peli Synaptura lusitanica Ilisha africana Bucinostomus melanopterus Serranus cabrilla Torpedo torpedo Rhizoprionedon acutus Scorpaena sp. Penaeus notialis Sydacium micrurum Sphyraena sp. Penaeus kerathurus Total DATE: 8/11/95 GEAR TI start stop duration TIME :07:15:00 07:45:00 30 (min LOG :6410.80 6412.30 1.50 FDEPTH: 105 100 EDEPTH: 105 100 EDEPTH: 105 100 SPECIES Dentex congoensis Spicara alta Boops boops Ariomma bondi Scorpaena scrofa Umbrina canariensis Sparus pagrus africanus * Raja miraletus Priaconthus arenatus	15.62 11.44 10.56 5.94 5.50 5.20 4.62 4.20 4.18 3.52 2.64 1.98 1.98 1.98 1.98 1.98 1.94 1.76 0.88 0.66 0.44 0.22 1432.50 1432.50 Purpose Area coo GearConc validit; 350 m Spe 1732.00 680.00 646.00 100.00 52.00 50.00 32.00 24.00 4.60	22 44 110 88 88 22 22 418 122 22 418 122 22 44 44 44 44 44 44 44 44 22 22 24 44 4	<pre>1.09 0.80 0.74 0.11 0.38 0.32 0.29 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25</pre>	N 1304 N 1735 358.20 SAMP
BARRACHOIDIDAE BARRACHOIDIDAE Epinephelus alexandrinus * Chloroscombrus chrysurus Aluterus punctata Pseudotolithus senegalensis Sardinella maderensis Arius parkii Pteroscion peli Synaptura lusitanica Ilisha africana Bucinostomus melanopterus Serranus cabrilla Torpedo torpedo Rhizoprionodon acutus Scorpaena sp. Penaeus notialis Sydaium micrurum Sphyraena sp. Penaeus hotialis Sydaium micrurum Sphyraena sp. Penaeus kerathurus Total DATE: 8/11/95 GEAR TI start stop duration TIME :07:15:00 07:45:00 30 (mir LOG :6410.80 6412.30 1.50 FDEPTH: 105 100 BDEPTH: 105 100 Towing dir: 33° Wire out: Sorted: 85 Kg Total catch: SPECIES Dentex congoensis Spicara alta Boops boops Ariomab hodi Scorpaena scorfa Umbrina canariensis Sparus pagrus africanus * Raja miraletus	15.62 11.44 10.56 5.94 5.50 5.20 4.62 4.20 4.18 3.52 2.64 1.98 1.97 1.00 680.00 646.00 100.00 52.00 50.00 32	22 44 110 88 22 2 22 48 8 22 22 48 22 22 44 44 44 44 42 22 22 44 44 44 44	<pre>1.09 0.80 0.74 0.41 0.38 0.36 0.32 0.29 0.25 0.25 0.25 0.25 0.25 0.14 0.14 0.14 0.14 0.12 0.06 0.05 0.03 0.02 100.01  ROJECT STATION Long V 3 kn*10 CH/HOUR: 3: % OF TOT. C 51.58 20.25 19.24 2.99 1.55 1.49 1.07 0.95 0.71</pre>	N 1304 N 1735 358.20 SAMP
BARRACHOIDIDAE BARRACHOIDIDAE Dpinephelus alexandrinus * Chloroscombrus chrysurus Aluterus punctata Pseudotolithus senegalensis Sardinella maderensis Arius parkii Pteroscion peli Synaptura lusitanica Ilisha africana Bucinostomus melanopterus Serranus cabrilla Torpedo torpedo Rhizoprionedon acutus Scorpaena sp. Penaeus notialis Sydacium micrurum Sphyraena sp. Penaeus kerathurus Total DATE: 8/11/95 GEAR TI start stop duration TIME :07:15:00 07:45:00 30 (min LOG :6410.80 6412.30 1.50 FDEPTH: 105 100 DDEPTH: 105 100 EDEPTH: 105 100 SPECIES Dentex congoensis Spicara alta Boops boops Ariomma bondi Scorpaena scrofa Umbrina canariensis Sparus pagrus africanus * Raja miraletus Priaconthus arenatus	15.62 11.44 10.56 5.94 5.50 5.20 4.62 4.20 4.18 3.52 2.64 1.98 1.98 1.98 1.98 1.98 1.94 1.76 0.88 0.66 0.44 0.22 1432.50 1432.50 Purpose Area coo GearConc validit; 350 m Spe 1732.00 680.00 646.00 100.00 52.00 50.00 32.00 24.00 4.60	22 44 110 88 88 22 22 418 122 22 418 122 22 44 44 44 44 44 44 44 44 22 22 24 44 4	<pre>1.09 0.80 0.74 0.11 0.38 0.32 0.29 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25</pre>	N 1304 N 1735 358.20 SAMP
BARRACHOIDIDAE BARRACHOIDIDAE Spinephelus alexandrinus * Chloroscombrus chrysurus Aluterus punctata Pseudotolithus senegalensis Sardinella maderensis Arius parkii Pteroscion peli Synaptura lusitanica Ilisha africana Bucinostomus melanopterus Serranus cabrilla Torpedo torpedo Rhizoprionedon acutus Scorpaena sp. Penaeus notialis Syacium micrurum Sphyraena sp. Penaeus kerathurus Total DATE: 8/11/95 GEAR TI start stop duration TIME :07:15:00 07:45:00 30 (min LOG :6410.80 6412.30 1.50 FDEPTH: 105 100 DEDETH: 105 100 DEDETH: 105 100 SPECIES Dentex congoensis Spicara alta Boops boops Ariomma bondi Scorpaena scrofa Umbrina canariensis Sparus pagrus africanus * Raja miraletus Priacanthus arenatus Sepia officinalis hierredda Trachurus trecae	15.62 11.44 10.56 5.94 5.50 5.20 4.62 4.20 4.18 3.52 2.64 1.98 1.98 1.94 1.76 0.88 0.66 0.44 0.22 1432.50 14 14 14 14 14 14 14 14 14 14 14 14 14 1	22 44 110 88 88 22 22 418 122 22 418 122 22 44 44 44 44 44 44 44 44 22 22 24 44 4	<pre>1.09 0.680 0.74 0.11 0.38 0.35 0.29 0.29 0.25 0.25 0.18 0.14 0.14 0.12 0.06 0.05 0.03 0.02 100.01  kn#10 kn#10 kh/HOUR: 3: \$ OF TOT. C 51.58 20.25 1.49 1.07 0.95 0.71 0.14 0.05</pre>	N 1304 N 1735 358.20 SAMP
BARRACHOIDIDAE Epinephelus alexandrinus * Chloroscombrus chrysurus Aluterus punctata Pseudotolithus senegalensis Sardinella maderensis Arius parkii Pteroscion peli Synaptura lusitanica Ilisha africana Bucinostomus melanopterus Serranus cabrilla Torpedo torpedo Rhizoprionodon acutus Scorpaena sp. Penaeus notialis Syacium micrurum Sphyraena sp. Penaeus kerathurus Total DATE: 8/11/95 GEAR TI start stop duration TIME :07:15:00 07:45:00 30 (min LOG :6410.80 6412.30 1.50 FDEPTH: 105 100 EDEPTH: 105 100 Towing dir: 33° Wire out: Sorted: 85 Kg Total catch: SPECIES Dentex congoensis Spicara alta Boops boops Ariomma bondi Scorpaena scrofa Umbrina canariensis Sparus pagrus africanus * Raja miraletus Priacanthus arenatus Sepia officinalis hierredda Trachurus trecae	15.62 11.44 10.56 5.94 5.50 5.20 4.62 4.20 4.18 3.52 2.64 1.98 1.98 1.94 1.76 0.88 0.66 0.44 0.22 1432.50 14 14 14 14 14 14 14 14 14 14 14 14 14 1	22 44 110 88 88 22 22 418 122 22 418 122 22 44 44 44 44 44 44 44 44 22 22 24 44 4	<pre>1.09 0.680 0.74 0.11 0.38 0.35 0.29 0.29 0.25 0.25 0.18 0.14 0.14 0.12 0.06 0.05 0.03 0.02 100.01  kn#10 kn#10 kh/HOUR: 3: \$ OF TOT. C 51.58 20.25 1.49 1.07 0.95 0.71 0.14 0.05</pre>	N 1304 N 1735 358.20 SAMP

			PRO	JECT STATI	ION: 295
DATE: 8/11/95	GEAR TY	PE: BT No:	POSITI	ION:Lat	N 1305
start stop de	iration			Long	₩ 1724
TIME :09:04:30 09:12:00	8 (min	) Purpose	code: 3	_	
LOG :6422.50 6422.90 (	0.40	Area cod	te :		
FDEPTH: 55 55		GearCond	d.code:		
BDEPTH: 55 55		Validity	/ code:		
Towing dir: 60° W	ire out:	200 m Spe	ed: 3 kr	1*10	
sorted: 9 Kg Tota	al catch:	8.51	САТСН,	HOUR:	63.83
SPECIES		CATCH/I		OF TOT.	SAME
			numbers		
Pagellus bellottii		43.80			
Chelidonichthys gabonensis		3.60			
Sphoeroides spengleri			75		
Loligo Vulgaris			15		
Alloteuthis africana			2370		
Bothus podas africanus		2.33			
Fistularia petimba		1.80			
Octopus Vulgaris		1.50		2.35	
Trachinus draco		0.68		1.07	
Pseudupeneus prayensis		0.30		0.47	
Illex coindetii		0.23	8	0.36	
Dicologoglossa hexophthalma		0,23	8	0.36	
-		·			

63,85

PROJECT STATION: 296 GEAR TYPE: BT No: POSITION:Lat. N 1308

Total

Total

DATE: 8/11/95

DDA THE AND ME AND DOE

100.04

100.00

		PROJECT STATIO	N. 208
DATE: 8/11/95 GEAR	TYPE: BT No: P	SITION:Lat N	
start stop duration		Lond W	
	in) Purpose code		1033
LOG :6454.30 6456.20 1.70	Area code		
FDEPTH: 17 17	GearCond.cod		
BDEPTH: 17 17	Validity cod		
Towing dir: 355" Wire ou		3 kn*10	
iowing uit: 555 wite bu	с. 100 м арава.	2 11-10	
Sorted: 89 Kg Total cate	h: 635.41 C	ATCH/HOUR: 12	70.82
SPECIES	CATCH/HOUR	& OF TOT. C	SAMP
	weight numbe	rs	
Chloroscombrus chrysurus	449.90 89	98 35.40	534
Brachydeuterus auritus	403.70 31	92 31.77	
Galeoides decadactylus	88.00 13	20 5.92	
Pomadasys peroteti	73.92 2	42 5.82	535
Sphyraena guachancho	58.00 1	50 4,55	533
Pseudotolithus senegalensis		32 2.23	
Sardinella maderensis	25.52 19	80 2.01	537
Alectis alexandrinus	24.20 1	98 1.90	
Arius parkii	23.10 1	54 1.82	
Dasyatis margarita	22.00 1	32 1.73	
JUVENILE FISHES	20.46	1.61	
Decapterus rhonchus		40 1.02	
Trichiurus lepturus		22 0.52	
Ilisha africana		18 0.43	
Drepane africana		22 0.40	
Pomadasys incisus		22 0.40	
Sepia officinalis hierredda	4.68	6 0.37	
Scomberomorus tritor	3.72	4 0.29	
Sardinella aurita		98 0.24	536
Echeneis naucrates		22 0.12	
Rachycentron canadum	1.46	2 0.11	
Pagellus bellottii		44 0.10	
Selene dorsalis		44 0.09	
Scorpaena sp.		22 0.07	
Trachinocephalus myops	0.66	22 0.05	
Total	1270.82	99.98	

start sto	p duration			Long	W 1719
TIME :10:07:00 10:3	7:00 30 (min	) Purpose	code: 3	3	
LOG :6429.30 6431	.00 1.70	Area co	de :		
FDEPTH: 49	48	GearCon	d.code:		
BDEPTH: 49	48	Validit	y code:		
Towing dir: 2	10° Wire out:	150 m Spe	ed: 34 k	n*10	
Sorted: 31 Kg	Total catch:	59.80	CATCH	I/HOUR:	119.60
SPECIES		CATCH/1	HOUR 9	OF TOT.	C SAMP
		weight i	numbers		
Pagellus bellottii		42.00	256	35.12	527
Pomadasys incisus		18.64	100	15.59	525
Pseudupeneus prayensis		12.24	108	10.23	526
Sparus caeruleostictus *		8.76	24	7.32	523
Dentex gibbosus		7.16	16	5.99	524
Alloteuthis africana		6.56	6614	5.48	
Boops boops		6.24	556	5.22	
Fistularia petimba		5.44	40	4.55	
Priacanthus arenatus		3.60	8	3.01	
Caranx crysps		3.36	2	2.81	
Alectis alexandrinus		2.48	2	2.07	
Dactylopterus volitans		1.36	4	1.14	
Chaetodon hoefleri		0.64	4	0.54	
Decapterus punctatus		0.40	20	0.33	
Bothus podas africanus		0.32	4	0.27	
Sphoeroides spengleri		0.28	4	0.23	
Sardinella aurita		0.12	4	0.10	
Total		119 60		100 00	

119.60

DATE:	8/11,	/95		GE	AR TYPE	BT NO	: PO	SITION: La	t N	1316
	st	tart	stop	durat	ion			Lo	ng W	1700
TIME	:15:3	22:00	15:52:00	30	(min)	Purpos	e code:	3		
LOG	:646	5,90	6467.50	1.60		Area c	ode	:		
FDEPTH	E:	17	17			GearCo	nd.code	:		
BDEPTH	I:	17	17			Validi	ty code	:		
	TOW:	ing di	ir: •	Wire	out: 1	L0 m Sj	peed: 3	0 kn*10		
Sort	ed:	98 Kg	a To	tal c	atch:	329.3	2 CA	TCH/HOUR:	65	58.64

PROJECT STATION: 299

SPECIES	CATCH	/HOUR	& OF TOT. C	SAMP
	weight.	numbers		
Pomadasys jubelini	301.94	4754	45.84	
Chloroscombrus chrysurus	62.26	2086	9.45	542
Galeoides decadactylus	52.82	1774	8.02	
JUVENILE FISHES	36.02	10	5.47	
Arius parkii	35.00	130	5.31	
Pomadasys peroteti	27.10	118	4.11	539
Decapterus rhonchus	20.62	336	3.13	
Arius heudeloti	12.00	8	1.82	
Pseudotolithus senegalensis	11.30	8	1.72	
Sphyraena guachancho	10.70	24	1.62	538
Trichiurus lepturus	10.46	18	1.59	
Sparus caeruleostictus *	8.96	18	1.35	
Pseudotolithus senegalensis	8,86	28	1.35	
Eucinostomus melanopterus	7.94	74	1.21	
Arius latiscutatus	7.90	6	1.20	
Torpedo marmorata	5.42	10	C.82	
Alectis alexandrinus	5.04	46	C.77	
Sardinella maderensis	4.30	720	C.65	541
Argyrosomus regius	4.20	10	C.64	
Albula vulpes	4.10	10	0.62	
Pseudupeneus prayensis	2.80	28	0.43	
Sardinella aurita	2.70	46	0.41	540
Dicologoglossa cuneata	2.62	10	0.40	
Selene dorsalis	2.52	28	0.38	
Dasyatis margarita	1.96	10	0.30	
Dactylopterus volitans	1.96	10	0.30	
Ilisha africana	1.78	158	0.27	
Mugil cephalus	1.58	10	C.24	
Pteroscion peli	1.58	10	0.24	
Pomadasys rogeri	0.80	2	0.12	
Scorpaena sp.	0.66	18	0.10	
Penaeus notialis, female	0.46	18	0.07	
Penaeus notialis, male	0.18	18	0.03	
Penaeus kerathurus, male	0.10	10	0.02	
Total	658.64		100.01	

		PROJ	ECT STATION	1: 297
DATE: 8/11/95 GEAR TY	PE: BT No:		ON:Lat N	1305
start stop duration			Long W	1713
TIME :11:44:00 12:17:00 33 (min	) Purpose co	de: 3	-	
LOG :6439.20 6441.00 1.80	Area code	:		
FDEPTH: 37 35	GearCond.	ode:		
BDEPTH: 37 35	Validity d	:ode :		
Towing dir: 90* Wire out:	150 m Speed	i: 3 kn	*10	
Sorted: 74 Kg Total catch:	102.33	CATCH/	HOUR: 18	6.05
SPECIES	CATCH/HOL	IR %	OF TOT. C	SAMP
		ibers		
Brachydeuterus auritus	58.91	1411	31.66	
Pomadasys peroteti	41.91	71	22.53	528
Pomadasys incisus	14.09	73	7,57	532
Alectis alexandrinus	11.36	5	6.11	
Sparus caeruleostictus *	10.36	33	5.57	531
Scomberomorus tritor	10.09	11	5.42	
Pseudupeneus prayensis	7.27	49	3.91	529
Sardinella aurita	5.45	713	2.93	
Sepia officinalis hierredda	3.18	4	1.71	
Sphoeroides spengleri	2.91	65	1.56	
Priacanthus arenatus	2.45	9	1.32	
CONGRIDAE	2.27	7	1.22	
Pagellus bellottii	2.91	15	1.03	530
Rhinobatos rhinobatos	1.73	2	0.93	
Arius parkii	1.45	4	0.78	
Syacium micrurum	1.36	9	0.73	
Epinephelus aencus	1.27	2	0.68	
Parapristipoma octolineatum	1.18	5	0.63	
Trachinocephalus myops	1.18	11	0.63	
Rhizoprionodon acutus	1.09	2	0.59	
Trachurus, Juveniles	0.73	189	0.39	
Fistularia petimba	0.73	7	0.39	
Torpedo torpedo	0.73	2	0.39	
Dicologoglossa cuncata	0.73	2	0.39	
Trachinus draco	0.64	7	0.34	
Chaetodon hoefleri	0.55	4	0.30	
Decapterus punctatus	0.36	29	0.19	
Trichiurus lepturus	0.15	7	0.08	
Total	186.04		99.98	

99.98

	PROJECT STAT	PTON - 300
DATE: 8/11/95	EAR TYPE: BT No: POSITION:Lat	N 1317
start stop dur		
	) (min) Purpose code: 3	
LOG :6480.20 6481.60 1.		
FDEPTH: 40 40	GearCond.code:	
BDEPTH: 40 40	Validity code:	
Towing dir: 270° Wi	e out: 150 m Speed: 30 kn*10	
Sorted: 59 Kg Total	catch: 104.30 CATCH/HOUR:	208.60
SPECIES	CATCH/HOUR % OF TOT.	C SAMP
	weight numbers	
Pomadasys incisus	47.96 78 22.99	547
Pseudupeneus prayensis	27.20 394 13.04	543
Priacanthus arenatus	26.26 130 12.5	9
Pagellus bellottii	22.12 120 10.60	545
Decapterus rhonchus	19.68 150 9.43	
Sparus caeruleostictus *	12.14 32 5.83	2 546
Sphoeroides spengleri	7.70 238 3.69	
Dentex canariensis	6.02 52 2.8	
Plectorhinchus mediterraneus	5.26 10 2.53	
Sparus auriga *	4.80 8 2.3	
Boops boops	3.44 276 1.6	
Zanobatus shoenleinii	3.36 4 1.6	
Chloroscombrus chrysurus	3.00 24 1.4	
Sepia officinalis hierredda	2.40 4 1.1	
Balistes punctatus	2.36 4 1.1	
Chaetodon hoefleri	1.82 18 0.8	
Decapterus punctatus	1.78 98 0.8	
Alectis alexandrinus	1.78 4 0.8	
Sardinella maderensis	1.52 8 0.7	
Zeus faber	1.28 8 0.63 1.00 0.44	
Alloteuthis africana Serranus scriba	1.00 0.44 0.92 8 0.44	
Serranus scriba Acanthurus monroviae	0.92 8 0.4	
Chelidonichthys gabonensis	0.84 10 0.44	
Svacium micrurum	0.84 10 0.4	
Syacium micrurum Epinephelus goreensis	0.74 14 0.3	
Fistularia petimba	0.64 10 0.3	
Bothus podas africanus	0.52 18 0.2	
Trachinocephalus myops	0.40 4 0.1	
Total	208.60 99.9	7

	PI	ROJECT STATION: 301
DATE: 8/11/95 GEAR TYP	E: BT No: POS	ITION:Lat N 1844
start stop duration		Long W 1722
TIME :18:44:00 19:14:00 30 (min)	Purpose code:	3
LOG :6491.50 6493.10 1.60	Area code :	
FDEPTH: 62 69	GearCond.code:	
BDEPTH: 62 69	Validity code:	
Towing dir: 270° Wire out:	200 m Speed: 32	kn*10
Sorted: 31 Kg Total catch:	127.76 CAT	CH/HOUR: 255.52
SPECIES	CATCH/HOUR	% OF TOT. C SAMP
SPECIES		& OF TOT. C SAMP
Pagellus bellottii	weight numbers 118.80	46.49 519
Dicologoglossa cuneata	25.52 360	
Ariomma bondi	21.12 288	
	12.24 32	
Fistularia petimba	10.64 32	
Chelidonichthys gabonensis	7.76 32	
Dactylopterus volitans	7.12 1136	
Chlorophthalmus atlanticus	6.08 112	
Decapterus rhonchus	5.92 152	
Sphoeroides spengleri		
Raja miraletus	5.44 8	2.13
Bothus podas africanus	5.28 8	
Alloteuthis africana	5.12 2400	
Sepia officinalis hierredda	4.24 104	1.66

Bothus podas africanus	5.28	8	2.07
Alloteuthis africana	5.12	2400	2.00
Sepia officinalis hierredda	4.24	104	1.66
Syacium micrurum	3.60	176	1.41
Octopus vulgaris	3.28	8	1.28
Pomadasys incisus	2.80	16	1.10
Arnoglossus imperialis	2.24	280	0.88
Priacanthus arenatus	1.92	8	0.75
Pseudupeneus prayensis	1.84	24	0.72
Scorpaena stephanica	1.44	24	0.56
Illex coindetii	1.36	16	0.53
Trachinus draco	1.36	48	0.53
Microchirus boscanion	0.24	16	0.09
Sardinella maderensis	0.16	8	0.06
Total	255.52		100.00

	PROJE	CT STATION: 302
DATE: 8/11/95 GEAR TY	PE: BT No: POSITIO	
start stop duration		Long W 1701
	Purpose code: 3	,
LOG :6517.40 6519.10 1.70	Area code :	
FDEPTH: 22 18	GearCond.code:	
BDEPTH: 22 18	Validity code:	
Towing dir: 80* Wire out:	100 m Speed: 34 kn*:	10
-	-	
Sorted: 33 Kg Total catch:	435.48 CATCH/H	OUR: 870.96
SPECIES	CATCH/HOUR \$ 0	F TOT. C SAMP
	weight numbers	
Sardinella maderensis	276.80 4192	31.78 521
Brachydeuterus auritus	257.60 17280	29.58
Galeoides decadactylus	132.16 2880	15.17 526
Pomadasys rogeri	57.36 192	6.59
Decapterus rhonchus	35.52 800	4.08
Octopus vulgaris	31.68 608	3.64
Sphyraena guachancho	11.52 32	1.32
Sardinella aurita	9.60 1024	1.10 520
Plectorhinchus mediterraneus	7.68 32	0.88
Pomadasys incisus	7.68 32	0.88
Eucinostomus melanopterus	7.36 96	0.85
Chloroscombrus chrysurus	7.04 352	0.81
Pseudotolithus senegalensis	6.24 32	0.72
Dentex canariensis	4.80 32	0.55
Penaeus notialis, female	4.20 184	0.48 523
Penaeus notialis, male	4.04 296	0.46 522
BATRACHOIDIDAE	3.84 32	0.44
Selene dorsalis	2.88 64	0.33
Penaeus kerathurus, female	1.60 108	0.18 525
Penaeus kerathurus, male	0.80 80	0.09 524
Ilisha africana	0.64 32	0.07

871.04

Total

Total

100.00

DATE: 8/11/95 GEAR	TYPE: BT No:		OJECT STAT	
start stop duratio	n		Long	W 169
TIME :23:07:00 23:22:00 15 (: LOG :6524.70 6525.60 0.90	Area cod		3	
FDEPTH: 16 19	GearCond	l.code:		
BDEPTH: 16 19 Towing dir: 300° Wire o	Validity ut: 100 m Spe		kn*10	
Sorted: 33 Kg Total cat	ch: 1155.17	CATO	H/HOUR:	4620.68
SPECIES	CATCH/1	ALLO	% OF TOT.	C SAL
	weight r	numbers		
Sardinella maderensis Brachydeuterus auritus	3824.00 497.60	36084 77484	82.76 10.77	53
Sardinella aurita	112.00	800	2.42	5:
Galeoides decadactylus	108.80	3200	2.35	
Pteroscion peli Pomadasys peroteti	27.20 19.20	320 160	0.59	
Ilisha africana	14.40	2560	0.31	
Penaeus notialis, male	10.92	1436 780	0.24	
Penaeus notialis, female	6.56	780		
Total	4620.68		100.00	
DATE: 0/11/05 CEAD	TYPE: BT No:		ROJECT STAT	
start stop duratio	n		Long	N 13. W 170
TIME :00:32:00 01:02:00 30 (	min) Purpose	code:	3	
LOG :6532.20 6533.80 1.60 FDEPTH: 21 21	Area coo GearCono			
BDEPTH: 21 21	Validity			
Towing dir: 277° Wire o	ut: 120 m Spe	ed: 30	kn*10	
Sorted: 35 Kg Total cat	ch: 487.50	CATO	H/HOUR:	975.0
ab70770	a	10115	A OF 7	<b>•</b> ••
SPECIES		numbers	% OF TOT.	
Sardinella maderensis	353.60	3552	36.27	
Brachydeuterus auritus JUVENILE FISHES	284.80 124.80	4914	29.21 12.80	
Galeoides decadactylus	83.20	1856	8.53	
Chloroscombrus chrysurus	36.80	640	3.77	
Synaptura lusitanica Eucinostomus melanopterus	15.04 14.40	64 224	1.54 1.48	
Trichiurus lepturus	10.88	32	1.12	
Sardinella aurita	10.24	64 32	1.05	5
Dasyatis margarita Conger conger	7.68 6.72	32 64	0.79	
Pseudupeneus prayensis	6.72	192	0.69	
Penaeus notialis, female	4.16	226	0.43	
Dicologoglossa cuneata Penaeus notialis, male	3.84 3.62	64 344	0.39 0.37	
Syacium micrurum	3.20	64	0.33	
Sparus auriga *	2.88	160	0.30	
Epinephelus goreensis Penaeus kerathurus, male	0.96 0.84	32 98	0.10	
Penaeus kerathurus, female	0.62	76	0.05	
Total				
DATE: 9/11/95 GEAR	975.00 R TYPE: BT No:		100.01 ROJECT STAT ITION:Lat	ION: 3
start stop duratio TIME :08:31:00 08:49:00 18 (	tTYPE: BT No; m min) Purpose	POS: code:	ROJECT STAT	ION: 3
start stop duratio TIME :08:31:00 08:49:00 18 ( LOG :6599.00 6600.00 1.00 FDEPTH: 89 88	R TYPE: BT No: Mn min) Purpose Area coo GearCom	POS: code: de : d.code:	ROJECT STAT ITION:Lat Long	ION: 3 N 13
start stop duratio TIME :08:31:00 08:49:00 18 ( LOG :6599.00 6600.00 1.00 FDEPTH: 89 88 BDEPTH: 89 88	R TYPE: BT No: on min) Purpose Area coo GearCon Validity	POS: code: ie : i.code: y code:	ROJECT STAT ITION:Lat Long 3	ION: 3 N 13
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CATCH/HOUR ght numbers 19.80 778 7.34 50 6.46 112 5.16 30	% OF TOT. C 53.25 9.82 8.64 6.90 6.82	SAMP
ight         numbers           19.80         778           7.34         50           6.46         112           5.16         30	53.25 9.82 8.64 6.90 6.82	
9.80 778 7.34 50 6.46 112 5.16 30	53.25 9.82 8.64 6.90 6.82	540
7,34 50 6,46 112 5,16 30	9.82 8.64 6.90 6.82	540
5.46 112 5.16 30	8.64 6.90 6.82	
5.16 30	6.90 6.82	
	6.82	
5.10 2		
2.20 52		
2.18 74		
1.34 34		
		541
0.10 2	0.13	
4.74	99.99	
	1.06 16 0.68 10 0.62 12 0.52 2 0.40 64 0.24 52 0.20 6 0.16 2	1.06         16         1.42           0.68         10         0.91           0.62         12         0.83           0.52         2         0.70           0.40         64         0.54           0.22         0.32         0.20           0.20         6         0.27           0.16         2         0.21           0.10         2         0.13

DATE:	9/11	/95		GEA	R TYPE	BT NO:	POS	ITION:1:	at '	N	1334
	5	tart	stop	durati	on			L	ong '	W	171
TIME	:13:	50:00	14:20:00	30	(min)	Purpose	code:	3			
LOG	:663	6.60	6638.10	1.50		Area co	de :				
FDEPTH	1:	54	54			GearCon	d.code:				
BDEPTH	4:	54	54			validit	y code:				
	TOW	ing di	ir: 15*	Wire	out: 1	30 m Spé	ed: 3	kn*10			

SPECIES	CATCH	I/HOUR	& OF TOT. C	SAMP
	weight	numbers		
Boops boops	117.60	10622	30.03	
Pomadasys incisus	87.50	546	22.35	542
Pseudupencus prayensis	46.00	680	11.75	543
Pagellus bellottii	28.36	280	7.24	547
Sparus auriga *	26.68	56	6.81	548
Sparus caeruleostictus *	18.00	50	4.60	544
Chaetodon hoefleri	9.50	54	2.43	
Dentex congoensis	9.24	154	2.36	546
Sarpa salpa	8.34	42	2.13	
Chelidonichthys gabonensis	6.66	54	1.70	
Fistularia petimba	6.00	28	1.53	
Dentex canariensis	5.32	28	1.36	545
Decapterus rhonchus	4.70	28	1.20	
Parapristipoma octolineatum	4.40	22	1.12	
zeus faber	4.34	28	1.11	
Octopus vulgaris	3.28	8	0.84	
Chromis sp.	1.90	22	0.49	
Scorpaena stephanica	1.34	22	0.34	
Trachinocephalus myops	1.20	8	0.31	
Dicologoglossa hexophthalma	1.06	14	0.27	
Decapterus punctatus	0.16	8	0.04	
Total	391,58		100.01	

	PROJECT STATION: 309
DATE: 9/11/95 GEAR	TYPE: BT No: POSITION:Lat N 1336
start stop duration	Long W 1708
TIME :15:28:00 15:58:00 30 (m	in) Purpose code: 3
LOG :6646.00 6647.50 1.50	Area code :
FDEPTH: 37 35	GearCond.code:
BDEPTH: 37 35	Validity code:
Towing dir: 90° Wire ou	t: 120 m Speed: 3 kn*10
Sorted: 94 Kg Total cate	h: 1635.40 CATCH/HOUR: 3270.80
SPECIES	CATCH/HOUR & OF TOT. C SAMP
	weight numbers
Decapterus rhonchus	2714.40 14700 82.99 549
Chloroscombrus chrysurus	151.80 1248 4.64 553
Pagellus bellottii	144.20 970 4.41 550
Pseudupeneus prayensis	93.60 1144 2.86 552
Pomadasys incisus	69.20 382 2.12 551
Sparus caeruleostictus *	28.20 70 0.66
Priacanthus arenatus	13.80 70 0.42
Sparus auriga *	13.10 34 0.40
Sardinella maderensis	9.40 70 0.29
Sardinella aurita	7.90 34 0.24
Syacium micrurum	6.60 34 0.20
Serranus scriba	5.20 34 0.16
Chaetodon hoefleri	4.80 34 0.15
Sphoeroides spengleri	4.80 104 0.15
Dentex gibbosus	3.80 34 0.12
Total	3270.80 100.01

			ECT STATIO	
DATE: 9/11/95 GEAR start stop duration	TYPE: BT No:	POSITI	ON:Lat N Long W	1335
TIME :17:03:00 17:33:00 30 (m	ain) Purpose		Dong H	1000
LOG :5657.10 6658.60 1.50 FDEPTH: 17 18	Area cod GearCond			
BDEPTH: 17 18	Validity	code:		
Towing dir: 90° Wire ou	it: 120 m Spe	ed: 3 kn	*10	
Sorted: 42 Kg Total cate	h: 255.41	CATCH/	HOUR: 5	10.82
SPECIES	CATCH/H	IOUR 8	OF TOT. C	SAM
Brachydeuterus auritus	weight 1 377.40	umbers 113220	73.88	
Galeoides decadactylus	54.40	5172	10.65	
Ilisha africana Sphyraena guachancho	23.12 18.10	2424 46	4.53 3.54	554
Sepia officinalis hierredda	10.20	18	2.00	55.
Chloroscombrus chrysurus Pseudotolithus senegalensis	5.44 5.40	52 12	1.05	
Synaptura lusitanica	4.30	18	0.84	
Sardinella aurita Decapterus rhonchus	4.26 1.60	1258	0.83 0.31	55
Decapterus rhonchus	1.54	86	0.30	
Caranx crysos Selene dorsalis	1.20	2	0.23	
Pagellus bellottii	1.02	18 120	0.20	
Sardinella maderensis Lithognathus mormyrus	0.70 0.60	120 2	0.14	55
Penaeus notialis	0.52	68	0.10	
Total	510.82		99.99	
		PROJ	ECT STATIO	N: 31
DATE: 9/11/95 GEAR	TYPE: PT No:7		ON:Lat N	134
start stop duration TIME :21:17:00 21:23:00 5 (2		code: 1	Long W	165
LOG :6692.10 6692.50 0.30	Area cod	le :		
FDEPTH: 0 0 BDEPTH: 19 19	GearCond Validity	code:		
	nt: 120 m Spe		*10	
Sorted: 60 Kg Total cate	ch: 1804.20	CATCH/	HOUR: 216	50.40
SPECIES	CATCH/H	IOUR %	OF TOT. C	SAM
	weight r	unbers		
Sardinella maderensis Sardinella aurita	19440.00 1029.60	168480 6120	89.79 4.76	55 55
Brachydeuterus auritus	885.60	18408	4.09	25
Decapterus rhonchus Sphyraena guachancho	169.20 126.00	1080 360	0.78 0.58	
		500		
Total	21650.40		100.00	
			ECT STATIO	
DATE:10/11/95 GÉAR start stop duration	TYPE: BT NO:	POSITI	ON:Lat N Long W	
TIME :13:24:00 13:58:00 34 (r	min) Purpose			
LOG :6852.00 6857.70 5.70 FDEPTH: 35 33	Area coo GearCond			
BDEPTH: 35 33	Validity	code:	*10	
Towing dir: 40° Wire ou	at: 120 m Spe	ea: 3 kn	*10	
Sorted: 54 Kg Total cate	ch: 54.41	CATCH/	HOUR :	96.02
	CATCH/H	IOUR &	HOUR: OF TOT. C	
SPECIES	CATCH/H	HOUR % numbers 274		
SPECIES Pomadasys incisus Dentex barnardi	CATCH/H weight H 43.76 16.50	HOUR % Dumbers 274 109	OF TOT. C 45.57 17.18	
SPECIES Pomadasys incisus Dentex barnardi Pagellus bellottii	CATCH/H weight H 43.76 16.50 11.66 10.16	HOUR % numbers 274	OF TOT. C 45.57 17.18 12.14 10.58	
SPECIES Pomadaays incisus Dentex barnardi Pagellus bellottii Pseudupeneus prayensis Sepia officinalis hierredda	CATCH/H weight H 43.76 16.50 11.66 10.16 1.92	10UR % 274 109 101 139 7	OF TOT. C 45.57 17.18 12.14 10.58 2.00	
SPECIES Pomadasys incisus Dentex barnardi Pagellus bellottii Pseduqeeneus prayensis	CATCH/H weight r 43.76 16.50 11.66 10.16 1.92 1.89 1.43	ADUR % bumbers 274 109 101 139 7 58 19	OF TOT. C 45.57 17.18 12.14 10.58 2.00 1.97 1.49	
SPECIES Pomadasys incisus Dentex barnardi Pagellus bellottii Pseudupeneus prayensis Sepia officinalis hierredda Sphoeroides spengleri Decapterus rhonchus Syaclum micrurum	CATCH/ weight a 43.76 16.50 11.66 10.16 1.92 1.89 1.43 1.32	HOUR 8 bumbers 274 109 101 139 7 58 19 9	OF TOT. C 45.57 17.18 12.14 10.58 2.00 1.97 1.49 1.37	
SPECIES Domadasys incisus Dentex barnardi Pagellus bellottii Pseudupeneus prayensis Sepia officinalis hierredda Sphoeroides spengleri	CATCH/H weight r 43.76 16.50 11.66 10.16 1.92 1.89 1.43	ADUR % bumbers 274 109 101 139 7 58 19	OF TOT. C 45.57 17.18 12.14 10.58 2.00 1.97 1.49	
SPECIES Pomadasys incisus Dentex barnardi Pagellus bellottii Pseudupeneus prayensis Sepia officinalis hierredda Sphoeroides spengleri Decepterus rhonchus Syaclum micrurum Pleotoshinchus mediterraneus Alectis alexandrinus Fistularia tabacaria	CATCH/F weight r 43.76 16.50 11.66 10.16 1.92 1.89 1.43 1.32 1.25 1.01 0.86	ADUR % bumbers 274 109 101 139 7 58 19 9 7 4 2	OF TOT. C 45.57 17.18 12.14 10.58 2.00 1.97 1.49 1.37 1.30 1.05 0.90	
SPECIES Pomadasys incisus Dentex barnardi Pagellus bellottii Pseudupeneus prayennis Sepia officinalis hierredda Sphoeroides spengleri Decapterus Thonchus Syaclum micrurum Pleotoxhinchus mediterraneus Alectis alexandrinus Fistularia tabacaria Fistularia tabacaria	CATCH/ weight r 43.76 16.50 11.66 10.16 1.92 1.89 1.43 1.32 1.25 1.01	ADUR % humbers 274 109 101 139 7 58 19 9 7 4	OF TOT. C 45.57 17.18 12.14 10.58 2.00 1.97 1.49 1.37 1.30 1.05	
SPECIES Pomadasys incisus Dentex barnardi Pagellus bellottii Pseudupeneus prayennis Sepia officinalis hierredda Sphoeroides spengleri Decopterus rhonchus Syacium micrurum Piectoshinchus mediterraneus Alectis alexandrinus Fistularia tabacaria Fistularia petimba Pegusa lascaris Brachydeuterus auritus	CATCH/1 weight 1 43.76 16.50 11.66 10.16 1.92 1.89 1.43 1.32 1.25 1.01 0.06 0.78 0.72 0.67	AUR \$ AUR \$ AUR \$ 274 109 101 139 7 58 19 9 7 4 2 7 4 2 7 11	OF TOT. C 45.57 17.18 12.14 10.58 2.00 1.97 1.49 1.37 1.30 1.05 0.90 0.81 0.75 0.70	
SPECIES Pomadasys incisus Dentex barnardi Pagellus bellottii Pseudupeneus prayensis Sepia officinalis hierredda Sphoeroides spengleri Decopterus rhonchus Syaclum micrurum Pleotoxhinchus mediterraneus	CATCH/i weight 1 43.76 16.50 11.66 10.16 1.92 1.43 1.32 1.25 1.01 0.86 0.72	AURDERS 274 109 101 139 7 58 19 9 7 7 4 2 7 7 4 2 7 2 11 5 4	OF TOT. C 45.57 17.18 12.14 10.58 2.00 1.97 1.49 1.37 1.30 1.05 0.90 0.81 0.75	
SPECIES Pomadaays incisus Dentex barnardi Pagellus bellottii Pseudupeneus prayensis Sepia officinalis hierredda Sphoeroides spengheri Decapterus rhonchus Syaclum micrurum Plectoxhinchus mediterraneus Alectis alexandrinus Fistularia tabacaria Fistularia tabacaria Fistularia petimba Pegusa lascaris Brachydeuterus auritus Chaetodon hoefleri Chaetodon hoefleri Stiacanthus arenatus	CATCH/ weight = 4 3.7 6 16.50 10.16 1.92 1.43 1.32 1.25 1.01 0.86 0.78 0.72 0.67 0.62 0.42 0.39	HOUR % HUMDers 274 109 101 139 58 19 9 7 58 19 7 4 2 7 2 4 2 7 4 2 4 2 2 11 5 4 2 2	OF TOT. C 45.57 17.18 12.14 10.58 2.00 1.97 1.49 1.37 1.30 1.05 0.90 0.81 0.75 0.70 0.65 0.44 0.41	
SPECIES Pomadasys incisus Dentex barnardi Pagellus bellottii Pagelus bellottii Pseduqueneus prayensis Sepia officinalis hierredda Sphoeroides spengleri Decepterus rhonchus Syaclum micrurum Pleotoshinchus mediterraneus Alectis alexandrinus Fistularia tabacaria Fistularia tabacaria Fistularia petimba Pegusa lascaris Brachydeuterus auritus Chaetodon hoefleri Chloroscombrus chrysurus Priacanthus arenatus Dactylopterus volitans	CATCH/1 weight 1 43.76 16.50 11.66 1.92 1.89 1.43 1.32 1.25 1.01 0.06 0.78 0.72 0.67 0.62 0.42 0.39 0.35 0.23	AURDERS 274 109 101 139 7 58 19 9 7 7 4 2 7 7 4 2 7 2 11 5 4	OF TOT. C 45.57 17.18 12.14 10.58 2.00 1.97 1.49 1.37 1.30 0.90 0.81 0.75 0.70 0.65 0.44	
SPECIES Pomadasys incisus Dentex barnardi Pagellus bellottii Pagelugeneus prayennis Sepia officinalis hierredda Sphoeroides spengleri Decopterus thonchus Syacium micrurum Plectoshinchus mediterraneus Alectis alexandrinus Fistularia tabacaria Fistularia tabacaria Pistularia petimba Pegusa lascaris Brachydeuterus auritus Chaetodon hoefleri Chloroscombrus chrysurus Priacanthus arenatus Dactylopterus volitans Rypticus saponaceus	CATCH/1 weight 1 43.76 16.50 10.16 1.92 1.89 1.43 1.32 1.25 1.01 0.06 0.78 0.72 0.67 0.62 0.42 0.39 0.35	HOUR \$ HURDERS 274 274 100 100 101 139 7 58 19 9 7 4 2 11 5 4 2 2 2	OF TOT. C 45.57 17.18 12.14 10.58 2.00 1.97 1.49 1.37 1.30 1.05 0.90 0.81 0.75 0.70 0.65 0.44 0.41 0.36	
SPECIES Pomadasys incisus Dentex barnardi Pagellus bellottii Pagellus bellottii Sepia officinalis hierredda Sphoeroides spengleri Decapterus rhonchus Syaclum micrurum Piectoshicchus mediterraneus Alectis alexandrinus Fistularia tabacaria Fistularia tabacaria Fistularia tabacaria Fistularia petimba Pegusa lascaris Brachydeuterus auritus Chaetodon hoefleri Chloroscombrus chrysurus Priacanthus arenatus Dactylopterus volitans Rypticus saponaceus Selene dorsalis	CATCH/1 weight 1 43.76 16.50 11.66 1.92 1.89 1.43 1.32 1.25 1.01 0.06 0.78 0.72 0.67 0.62 0.42 0.39 0.35 0.23	Hours         No.           aumbers         274           101         139           102         19           9         7           4         2           7         2           111         5           4         2           2         1	OF TOT. C 45.57 17.18 12.14 10.58 2.00 1.97 1.49 1.37 1.30 1.05 0.90 0.61 0.75 0.70 0.65 0.44 0.41 0.36 0.24	
SPECIES Pomadasys incisus Dentex barnardi Pagellus bellottii Pagellus bellottii Sepia officinalis hierredda Sphoeroides spengleri Decapterus rhonchus Syaclum micrurum Piectoshicchus mediterraneus Alectis alexandrinus Fistularia tabacaria Fistularia tabacaria Fistularia tabacaria Fistularia petimba Pegusa lascaris Brachydeuterus auritus Chaetodon hoefleri Chloroscombrus chrysurus Priacanthus arenatus Dactylopterus volitans Rypticus saponaceus Selene dorsalis	CATCH/1 weight 1 43.76 16.50 11.66 10.16 1.92 1.89 1.43 1.32 1.25 1.01 0.67 0.72 0.67 0.67 0.67 0.67 0.35 0.35 0.23 0.16	Hours         No.           aumbers         274           101         139           102         19           9         7           4         2           7         2           111         5           4         2           2         1	OF TOT. C 45.57 17.18 12.14 10.58 2.00 1.97 1.49 1.37 1.30 1.05 0.90 0.81 0.75 0.70 0.65 0.44 0.41 0.36 0.24 0.17	
SPECIES Pomadasys incisus Dentex barnardi Pagellus bellottii Pagelus bellottii Pseudupeneus prayensis Sepia officinalis hierredda Sphoeroides spengleri Decapterus rhonchus Syactum micrurum Piectoshinchus mediterraneus Alectis alexandrinus Piettoshinchus mediterraneus Alectis alexandrinus Fistularia tabacaria Fistularia tabacaria Fistularia tabacaria Fistularia petimba Pegusa lascaris Brachydeuterus auritus Chaetodon hoefleri Chloroscombrus chrysurus Priacanthus arenatus Dactylopterus volitans Rypticus saponaceus Selene dorsalis	CATCH/1 weight 1 43.76 16.50 11.66 10.16 1.92 1.89 1.43 1.32 1.25 1.01 0.67 0.72 0.67 0.67 0.67 0.67 0.35 0.35 0.23 0.16	HOUR         No.           274         109           101         139           139         7           58         19           9         7           4         2           27         11           5         4           2         4           2         2           4         2	OF TOT. C 45.57 17.18 12.14 10.58 2.00 1.97 1.49 1.37 1.30 1.05 0.90 0.65 0.75 0.75 0.76 0.44 0.36 0.24 0.17 100.08	574
SPECIES Pomadamys incisus Dentex barnardi Pagellus bellottii Pseudupeneus prayensis Sepia officinalis hierredda Sphoeroides spengheri Decapterus rhonchus Syaclum micrurum Plectorhinchus mediterraneus Alectis alexandrinus Fistularia tabacaria Pistularia tabacaria Pistularia tetimba Pegusa lascaris Brachydeuterus auritus Chaetodon hoefleri Chaetodon hoefleri Chaetodon hoefleri Sticaarthus arenatus Dactylopterus volitans Rypticus saponaceus Selene dorsalis Total	CATCH/1 weight 1 4 3.76 16.50 11.66 10.16 1.92 1.89 1.43 1.32 1.25 1.01 0.86 0.78 0.72 0.67 0.62 0.39 0.35 0.23 0.16	GUR * numbers 274 109 101 139 9 9 7 7 2 2 7 7 2 2 7 7 2 2 7 2 11 5 4 2 2 4 2 2 4 2 2 11 5 5 8 4 2 2 7 4 2 7 7 7 8 8 9 9 9 9 9 9 7 8 7 8 10 9 10 9 10 9 10 9 10 10 10 10 10 10 10 10 10 10 10 10 10	OF TOT. C 45.57 17.18 12.14 10.58 2.00 1.97 1.39 1.37 1.30 0.90 0.81 0.75 0.75 0.44 0.41 0.36 0.24 0.17 100.08 DECT STATIO	5AX 9
SPECIES Pomadaays incitus Dentex barnardi Pagellus bellottii Pseudupeneus prayensis sepia officinalis hierredda Sphoeroides spengleri Decapterus rhonchus Syaclum micrurum Pleetoxhinchus mediterraneus Aleetis alexandrinus Fistularia tabacaria Fistularia tabacaria Fistularia tabacaria Pistularia tabacaria Pistularia tabacaria Pistularia tabacaria Chaetodon hoefleri Chaetodon hoefleri Chaetodon hoefleri Chaetodon hoefleri Stactus saponaceus Selene dorsalis Total DATE:10/11/95 GEAR start stop duratio	CATCH/1 weight 1 43.76 16.50 11.66 10.16 1.92 1.25 1.01 0.06 0.78 0.72 0.67 0.62 0.42 0.35 0.35 0.23 0.16 	GOUR 6 humbers 274 109 101 139 9 7 4 4 2 7 7 4 4 2 2 11 5 5 4 2 2 2 2 4 4 2 2 2 2 4 4 2 2 9 9 7 7 7 7 7 8 8 9 9 7 7 8 9 9 7 7 8 9 9 7 7 8 9 9 9 7 8 10 9 10 9 10 9 10 9 10 10 10 10 10 10 10 10 10 10 10 10 10	OF TOT. C 45.57 17.18 12.14 10.58 2.00 1.97 1.49 1.37 1.30 1.05 0.90 0.65 0.75 0.75 0.76 0.44 0.36 0.24 0.17 100.08	5AM 911 - 134
SPECIES Pomadasys incisus Dentex barnardi Pagellus bellottii Pagelus bellottii Peedupeneus prayensis Sepia officinalis hierreda Sphoeroides spengleri Decepterus rhonchus Syachum micrurum Plectorhinchus mediterraneus Alectis alexandrinus Pistularia tabacaria Fistularia tabacaria Fistularia petimba Pegusa lascaris Brachydeuterus auritus Chaetodon hoefleri Chaetodon hoefleri Chotoscombrus chrysurus Priacanthus arenatus Selene dorsalis Total DATE: 10/11/95 GEAR start stop duration THE : 15:15:00 15:45:00 30 (1	CATCH/1 weight 1 43.76 16.50 11.66 10.16 1.92 1.25 1.25 1.01 0.86 0.78 0.72 0.67 0.62 0.42 0.42 0.42 0.33 0.35 0.23 0.16 	GUR \$ 274 274 109 101 139 7 58 19 9 9 7 4 2 7 7 4 2 11 5 5 4 2 2 4 2 4 2 2 11 5 5 5 4 2 2 2 1 1 5 5 5 6 7 7 2 1 1 5 5 6 7 7 2 1 1 5 5 6 7 7 2 1 1 5 5 6 7 7 2 1 1 5 5 6 7 7 2 1 1 5 5 6 7 7 2 1 1 5 5 6 7 7 2 1 1 5 5 6 7 7 2 1 1 5 5 6 7 7 2 1 1 5 5 6 7 7 2 1 1 5 5 6 7 7 2 1 1 5 5 6 7 7 2 1 1 5 5 6 7 7 2 1 1 5 5 7 7 7 2 1 1 5 5 7 7 7 2 1 1 5 5 7 7 7 2 1 1 5 5 7 7 7 2 1 1 5 5 7 7 7 2 1 1 5 5 7 7 2 1 1 5 5 7 7 7 2 1 1 5 5 7 7 7 2 1 1 5 7 7 7 2 1 1 5 7 7 7 1 1 1 1 1 1 1 1 1 1 1 1 1 1	OF TOT. C 45.57 17.18 12.14 10.58 2.00 1.97 1.49 1.37 1.30 0.90 0.81 0.75 0.70 0.65 0.44 0.41 0.36 0.24 0.17 100.08 DOC 00 DOC 0	5AM 911 - 134
SPECIES Pomadasys incisus Dentex barnordi Pagellus bellottii Pagelus bellottii Peedupeneus prayensis Sepia officinalis hierredda Sphoeroides spengleri Decepterus rhonchus Syaclum micrurum Pietotxhinchus mediterraneus Alectis alexandrinus Pistularia tabacaria Fistularia tabacaria Fistularia tabacaria Fistularia tabacaria Pistularia tabacaria Pistularia tabacaria Pistularia tabacaria Pistularia tabacaria Pistularia tabacaria Pistularia tabacaria Brachydeuterus auritus Chaetodon hoefleri Chioroscombrus chrysurus Priacanthus arenatus Datylopterus volitans Rypticus saponaceus Selene dorsalis Total DATE:10/11/95 GEAR start stop duration TIME :15:15:00 15:45:00 30 (1 LOC :6067.90 6869.50 1.60	CATCH/1 weight 1 43.76 16.50 11.66 10.16 1.92 1.25 1.25 1.25 1.01 0.62 0.72 0.67 0.62 0.35 0.23 0.16 56.10	GUR % humbers 274 109 109 109 109 139 9 9 7 4 2 7 7 4 2 2 111 5 8 4 2 2 4 2 2 115 5 4 2 2 4 2 2 4 2 2 4 2 7 4 2 7 4 2 7 4 2 7 4 2 7 4 2 7 4 2 7 4 2 7 4 2 7 4 2 7 4 2 7 4 2 7 4 2 7 7 7 5 8 2 7 4 2 7 7 7 5 8 2 7 4 2 7 7 7 5 8 2 7 7 7 7 7 7 7 7 7 7 7 7 7	OF TOT. C 45.57 17.18 12.14 10.58 2.00 1.97 1.49 1.37 1.30 0.90 0.81 0.75 0.70 0.65 0.44 0.41 0.36 0.24 0.17 100.08 DOC 00 DOC 0	5AM 911 - 134
SPECIES Pomadasys incisus Dentex barnardi Pagellus bellottii Pagellus bellottii Peeduqueenus prayenois Sepia officinalis hierredda Sphoeroides spengleri Decepterus rhonchus Syaolum micrurum Pietorshinchus mediterraneus Alectis alexandrinus Fistularia tabacaria Fistularia tabacaria Pristularia tabacaria Brachydeuterus auritus Chaoroscombrus chrysurus Priacanthus arenatus Dattylopterus volitans Rypticus saponaceus Selene dorsalis Total DATE:10/11/95 GEAR start stop duration TIME :15:15:00 15:45:00 30 (1 LOC :6067.90 6369.50 1.60 FDEPTH: 36 37	CATCH/1 weight 1 43.76 16.50 11.66 10.16 1.92 1.25 1.01 0.66 0.78 0.72 0.67 0.62 0.42 0.35 0.23 0.16 756.10 TYPE: BT No: n n Purpose Area cox GearCom Validit;	HOUR & humbers 274 109 109 101 139 9 7 4 4 2 7 5 4 4 2 2 11 5 4 2 2 11 5 4 2 2 11 5 4 2 2 2 10 9 7 7 5 8 4 2 2 2 10 9 7 7 5 8 4 2 2 2 10 9 7 7 5 8 4 2 2 2 10 9 7 7 5 8 4 2 2 2 2 10 9 7 7 5 8 4 2 2 2 2 2 2 2 2 2 2 2 2 2	OF TOT. C 45.57 17.18 12.14 10.58 2.00 1.97 1.49 1.37 1.30 1.05 0.90 0.65 0.75 0.75 0.76 0.44 0.17 100.08 DECT STATIO ION:Lat N Long W	57.M
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SPECIES Pomadasys incisus Dentex barnardi Pagellus bellottii Pagelus bellottii Pagelus bellottii Decapterus rhonchus Synolum micrurum Plectorhinchus mediterraneus Alectis alexandrinus Plectorhinchus mediterraneus Alectis alexandrinus Plectorhinchus mediterraneus Alectis alexandrinus Plectorhinchus mediterraneus Alectis alexandrinus Pristularia tabacaria Fistularia petimba Pegusa lascaris Brachydeuterus volitans Rypticus saponaceus Selene dorsalis Total DATE:10/11/95 GEAR start stop duration ITME :15:15:00 15:45:00 30 (1 LOC :6067.90 6869.50 1.60 FDEFTH: 36 37 DECTHE: 36 37 DECTHE: 36 37 Towing dir: 320° Wire ou Sorted: 84 Kg Total cat SPECIES Pagellus bellottii Chloroscombrus chrysurus Decapterus rhonchus Pomadasys incisus Sphyraca guachancho Fistularia tabacaria Priacanthus arenatus Dentex canaricanis Flatularia tabacaria Flatularia tabacaria Flatularia petimba	CATCH/1 weight 1 43.76 16.50 11.65 10.16 1.92 1.25 1.01 0.86 0.78 0.72 0.67 0.62 0.42 0.42 0.39 0.35 0.23 0.16 TYPE: BT No: n min) Purpose Area con Validity ut: 120 m Spt ch: 154.21 CATCH/1 weight 1 116.00 79.00 65.00 18.20 0.2.20 1.60 1.40	YOUR * 274 109 101 139 139 139 139 139 139 139 139 139 13	CF TOT. C 45.57 17.18 12.14 10.58 2.00 1.97 1.49 1.37 1.30 1.05 0.90 0.81 0.75 0.70 0.65 0.44 0.17 100.08 FIO PHOUR: 3 OF TOT. C 37.61 21.08 5.90 2.59 1.42 0.75 0.45 0.45	53.M 134 134 134 108.42 54 56 55
SPECIES Pomadamys incisus Dentex barnardi Pagellus beliottii Preduperenus prayensis Sepis officinalis hierredda Sphoeroides spengleri Decapterus rhonchus Syaclum micrurum Pleotorhinchus mediterraneus Alectis alexandrinus Fistularia tabacaria Pistularia tabacaria Pistularia tabacaria Pistularia tabacaria Chaetodon hoefleri Chaetodon hoefleri Total DATE:10/11/95 GEAR start stop duration TIME :15:15:00 15:45:100 30 (1) Loc :6067.90 6369.50 1.60 PDEPTH: 36 37 DOEPTH: 36 37 Towing dir: 320° Wire ou Sorted: 84 Kg Total cato SPECIES Pagellus bellottii Chloroscombrus chrysurus Decapterus rhonchus Pomadasys incisus Sparus caeruleostictus * Sepia officinalis hierredda Sphyraena guachancho Pistularia petimba Daetylopterus volitams Octopus vulgaris	CATCH/ weight 1 43.76 16.50 11.66 10.16 1.92 1.89 1.43 1.32 1.25 1.25 1.01 0.66 0.78 0.72 0.67 0.62 0.35 0.35 0.35 0.35 0.35 0.35 0.16 TYPE: BT No: n min) Purpose Area con CearCon Validit; ut: 120 m Spc cch: 154.21 Narea Con Control 154.21 116.00 55.00 18.20 8.00 4.38 2.90 2.40 2.20 1.60 1.60 1.60 1.60 1.60 1.60 1.60 1.6	GOUR % pumbers 274 109 109 109 101 139 9 9 7 4 2 7 7 4 2 7 7 4 2 7 7 4 2 7 7 4 2 7 7 4 2 7 7 4 2 7 7 5 8 8 9 9 9 9 9 9 9 9 9 9 9 9 9	OF TOT. C 45.57 17.18 12.14 12.14 10.58 2.00 1.97 1.30 1.05 0.90 0.81 0.75 0.70 0.65 0.44 0.17 100.08 MECT STATIO CON:Lat N Long W *10 TOT. C 37.61 25.61 21.08 5.90 2.59 1.42 0.71 0.58 0.72 0.75 0.76 0.76 0.76 0.75 0.76 0.77 0.76 0.77 0.77 0.76 0.77 0.77 0.77 0.76 0.77 0.77 0.77 0.76 0.77 0.77 0.77 0.76 0.77 0.77 0.78 0.76 0.77 0.77 0.77 0.77 0.77 0.77 0.78 0.77 0.75 0.45 00 0.45 00 0.45 00 0.45 0	53.M 134 134 134 108.42 54 56 55
SPECIES Pomadamys incisus Dentex barnardi Pagellus bellottii Pagelus bellottii Preudupeneus prayensis Sepis officinalis hierredda Sphoeroides spengleri Decapterus rhonchus Syaclum micrurum Pletotorhinchus mediterraneus Alectis alexandrinus Fistularia tabacaria Fistularia tabacaria Pistularia tabacaria Pistularia tabacaria Dactylopterus volitans Rypticus saponaccus Selene dorsalis Total DATE:10/11/95 GEAR start stop duration THE :15:15:00 15:45:100 30 (1 LOC : 6867.90 6859.50 1:60 FDEFTH: 36 37 DECPTH: 36 37 DECPTH: 36 37 Towing dir: 320° Wire ou Sorted: 84 Kg Total catu SPECIES Pagellus bellottii Chloroscombrus chrysurus Decapterus rhonchus Pomadasys incisus Spars Caeruleostictus * Sepia officinalis hierredda Sphyraena guachancho Fistularia tabacaria Priscularia petimba Dactylopterus volitans Otopus vulgaris Tarchinocephalus myops Aluterus sp.	CATCH/1 weight 1 43.76 16.50 11.66 10.16 1.92 1.89 1.43 1.25 1.25 1.25 1.25 1.25 1.25 1.25 1.25	BOUR         Numbers           274         109           101         139           139         7           58         19           9         7           4         2           2         11           5         3           2         2           11         5           3         2           4         2           4         2           4         2           4         2           4         2           4         2           4         2           6         10           2         6           10         2           6         12           6         12           6         10           10         2           10         2           10         2           10         10           10         10           10         6	OF TOT. C 45.57 17.18 12.14 10.58 2.00 1.97 1.30 0.90 0.81 0.75 0.44 0.17 0.65 0.44 0.17 100.08 DECT STATIO CON Lat N Long W F10 HOUR: 3 OF TOT. C 37.61 25.61 21.08 5.90 2.59 1.42 0.58 0.45 0.58 0.58 0.58 0.58 0.58 0.58 0.58 0.58 0.58 0.58 0.58 0.58 0.58 0.58 0.58 0.44 0.58 0.58 0.58 0.58 0.58 0.58 0.45 0.45 0.45 0.58 0.58 0.45 0.45 0.58 0.58 0.58 0.58 0.58 0.45 0.45 0.58 0.58 0.58 0.58 0.58 0.58 0.58 0.58 0.58 0.58 0.58 0.58 0.58 0.58 0.58 0.45 0.58 0.58 0.58 0.58 0.45 0.45 0.58 0.58 0.58 0.45 0.58 0.58 0.45 0.58 0.58 0.58 0.45 0.45 0.58 0.58 0.45 0.58 0.58 0.45 0.58 0.45 0.58 0.58 0.45 0.58 0.58 0.45 0.58 0.45 0.58 0.45 0.58 0.45 0.45 0.58 0.45 0	53.M 134 134 134 108.42 54 56 55
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SPECIES Pomadasys incisus Dentex barnardi Pagellus beliottii Predupeneus prayensis Sepis officinalis hierredda Sphoeroides spengleri Decapterus rhonchus Syachum micrurum Pietotohinchus mediterraneus Alectis alexandrinus Pistularia tabacaria Pistularia petimba Pegusa lacaris Brachydeuterus auritus Chaetodon hoefleri Choroscombrus chrysurus Priacanthus arenatus Datylopterus volitans Rypticus saponaceus Selene dorsalis Total DATE:10/11/95 GEAR DATE:10/11/95 GEAR Total DATE:10/11/95 GEAR Solene dorsalis Total DATE:10/11/95 GEAR Solene dorsalis Total DATE:10/11/95 GEAR Solene dorsalis Total DATE:10/11/95 GEAR Solene dorsalis Total DATE:10/11/95 GEAR Solene dorsalis Total DATE:10/11/95 GEAR Solene dorsalis Total DATE:10/11/95 GEAR Solene dorsalis Total DATE:10/11/95 GEAR Solene dorsalis Total DATE:10/11/95 GEAR Solene dorsalis Total DATE:10/11/95 GEAR Splatis arenatus Dentex canariensis Splatos apulaptic Trachinos draco Sultarus ap. Sploeroides spengleri Zeus faher Tarchinos draco	CATCH/ weight 1 43.76 16.50 11.66 10.16 1.92 1.89 1.43 1.32 1.25 1.01 0.66 0.78 0.72 0.67 0.62 0.35 0.35 0.35 0.35 0.35 0.35 0.35 0.35	BOUR         No.           274         109           109         101           139         9           9         7           4         2           7         2           7         2           11         5           5         8           9         9           7         4           2         2           11         5           5         8           2         2           4         2           2         3           10         1.code:           3 loc         :           1.code:         3           1.code:         3           1.code:         3           1.code:         3           4         100           26         6           10         26           6         10           20         10           20         10           10         6           16         6           10         6	OF TOT. C 45.57 17.18 12.14 12.14 12.14 13.05 2.00 1.97 1.39 1.30 1.05 0.90 0.81 0.75 0.44 0.17 100.08 MECT STATIO CON:Lat N Long W 4710 TOT. C 37.61 21.08 5.90 2.59 1.42 0.71 0.58 0.44 0.71 0.58 0.44 0.71 0.58 0.44 0.75 0.44 0.17 100.08 125.61 21.08 5.90 2.59 1.42 0.58 0.45 0.45 0.44 0.71 0.58 0.45 0.42 0.76 1.05 0.44 0.17 100.08	58, x - 31 134 134 134 108.42 50 51 52 52 52 52 52 52 52 52 52 52
SPECIES Pomadasys incisus Dentex barnardi Pagallus bellottii Pagallus bellottii Preudupeneus prayensis Sepia officinalis hierredda Sphoeroides spengleri Decapterus rhonchus Syaclum micrurum Plectoxhinchus mediterraneus Alectis alexandrinus Fistularia tabacaria Fistularia tabacaria Fistularia tabacaria Priscualta petimba Pegusa lascaris Brachydeuterus auritus Chaetodon hoefleri Chaetodon hoefleri Dactylopterus volitans Rypticus saponaceus Selene dorsalis Total DATE:10/11/95 GEAR start stop duration THE :15:15:00 15:45:100 30 (1 LOG : 6667.90 6569.50 1.60 FDEPTH: 36 37 DEDETH: 36 37 Splaceficinalis hierredda Splayaena guachancho Fistularia tabacaria Priacanthus arenatus Dentex canaricanis Fistularia petimba Dactylopterus volitans Octopus vulgaris Trachinocephalus myops Aluterus sp. Sploeroides spengleri Zeus faber Trachinus draco Decapterus punctatus	CATCH/1 weight 1 43.76 16.50 11.65 10.16 1.92 1.25 1.01 0.86 0.78 0.72 0.67 0.62 0.42 0.39 0.35 0.23 0.16 TYPE: BT No: n min) Purpose Area con Validity ut: 120 m Spt ch: 154.21 CATCH/1 weight 1 116.00 79.00 0.5.00 18.20 1.40 2.20 1.60 1.40 1.22 0.61 0.0 9.00 0.0 1.40 1.22 0.0 0.00 0.0 0.0 0.0 0.0 0.0 0.0 0.0	GOUR * 274 2078 109 109 101 139 9 7 4 2 7 5 8 19 9 9 7 4 2 7 2 11 5 8 4 2 2 4 2 2 4 2 2 4 2 2 2 4 2 2 2 4 2 2 2 4 2 2 2 2 2 2 2 2 2 2 2 2 2	CF TOT. C 45.57 17.18 12.14 10.58 2.00 1.97 1.49 1.37 1.30 1.05 0.90 0.81 0.75 0.70 0.65 0.44 0.17 100.08 FIO PHOUR: 3 OF TOT. C 37.61 25.61 25.61 21.08 5.90 0.58 0.71 0.72 0.72 0.72 0.75 0.44 0.17 0.75 0.75 0.44 0.17 0.75 0.75 0.75 0.44 0.17 100.08 100	53.M 134 134 134 108.42 54 56 55
SPECIES Pomadasys incisus Dentex barnardi Pagellus beliottii Predupeneus prayensis Sepis officinalis hierredda Sphoeroides spengleri Decapterus rhonchus Syachum micrurum Pietotohinchus mediterraneus Alectis alexandrinus Pistularia tabacaria Pistularia petimba Pegusa lacaris Brachydeuterus auritus Chaetodon hoefleri Choroscombrus chrysurus Priacanthus arenatus Datylopterus volitans Rypticus saponaceus Selene dorsalis Total DATE:10/11/95 GEAR DATE:10/11/95 GEAR Total DATE:10/11/95 GEAR Solene dorsalis Total DATE:10/11/95 GEAR Solene dorsalis Total DATE:10/11/95 GEAR Solene dorsalis Total DATE:10/11/95 GEAR Solene dorsalis Total DATE:10/11/95 GEAR Solene dorsalis Total DATE:10/11/95 GEAR Solene dorsalis Total DATE:10/11/95 GEAR Solene dorsalis Total DATE:10/11/95 GEAR Solene dorsalis Total DATE:10/11/95 GEAR Solene dorsalis Total DATE:10/11/95 GEAR Splatis arenatus Dentex canariensis Splatos apulaptic Trachinos draco Sultarus ap. Sploeroides spengleri Zeus faher Tarchinos draco	CATCH/ weight 1 43.76 16.50 11.66 10.16 1.92 1.89 1.43 1.32 1.25 1.01 0.66 0.78 0.72 0.67 0.62 0.35 0.35 0.35 0.35 0.35 0.35 0.35 0.35	BOUR         No.           274         109           109         101           139         9           9         7           4         2           7         2           7         2           11         5           5         8           9         9           7         4           2         2           11         5           5         8           2         2           4         2           2         3           10         1.code:           3 loc         :           1.code:         3           1.code:         3           1.code:         3           1.code:         3           4         100           26         6           10         26           6         10           20         10           20         10           10         6           16         6           10         6	OF TOT. C 45.57 17.18 12.14 12.14 12.14 12.14 130 1.97 1.30 1.05 0.90 0.81 0.75 0.44 0.17 100.08 MECT STATIO CON:Lat N Long W 4710 TOT. C 37.61 21.08 5.90 2.59 1.42 0.71 0.58 0.44 0.71 0.58 0.76 0.77 0.76 0.77 0.76 0.77 0.77 0.76 0.76 0.77 0.77 0.77 0.76 0.77 0.77 0.77 0.76 0.77 0.77 0.77 0.77 0.76 0.77 0.77 0.77 0.77 0.76 0.77 0.77 0.77 0.76 0.77 0.79 0.79 0.79 0.79 0.19 0.19	53AM 1 134 1
SPECIES Pomadasys incisus Dentex barnardi Pagellus bellottii Predupeneus prayensis Sepis officinalis hierredda Sphoeroides spengleri Decapterus rhonchus Syaclum micrurum Pleetorhinchus mediterraneus Alectis alexandrinus Fistularia tabacaria Fistularia petimba Pegusa lascaris Brachydeuterus auritus Chaetodon hoefleri Chloroscombrus chrysurus Selece dorsalis Total DATE:10/11/95 GEAR Start stop duration TIME :15:15:00 15:45:00 30 (1 LOG :6867.90 6869.50 1.60 FDEPTH: 36 37 BDEPTH: 37 BDEPTH: 36 37 BDEPTH: 36 37 BDEPTH: 37 BDEPTH: 36 37 BDEPTH: 36 BDETTHE SETHERTHERTHERTHERTHERTHERTHERTHERTHERTHE	CATCH/ weight 1 43.76 16.50 11.66 10.16 1.92 1.89 1.43 1.25 1.25 1.01 0.66 0.78 0.72 0.67 0.62 0.35 0.35 0.35 0.35 0.35 0.35 0.16 756.10 TYPE: BT No: n min) Purpose Area con CearCon Validit; 120 m Spc ch: 124.21 Narea Con CearCon Validit; 121 m Spc 1.65.00 1.62 0.35 0.35 0.35 0.35 0.35 0.35 0.35 0.35	GOUR * 274 274 109 109 101 139 9 9 7 4 2 7 7 4 2 7 7 4 2 7 7 4 2 7 7 4 2 7 7 4 2 7 7 5 8 8 9 9 9 9 9 9 9 9 9 7 4 2 7 7 4 2 7 7 5 8 8 2 7 7 7 5 8 8 2 7 7 7 8 8 9 9 9 9 9 9 9 9 9 9 9 9 9	<pre>OF TOT. C 45.57 17.18 12.14 10.58 2.00 1.97 1.49 1.37 1.30 0.61 0.75 0.61 0.75 0.64 0.41 0.36 0.24 0.17 100.08 HECT STATIO NOWLAT N Long W *10 HOUR: 3 OF TOT. C 37.61 25.61 21.08 5.90 2.59 1.42 0.78 0.78 0.78 0.78 0.45 0.45 0.45 0.45 0.45 0.40 0.39 0.19 0.13 0.13 0.13 0.10 0.04 </pre>	134
SPECIES Pomadasys incisus Dentex barnardi Pagellus beliottii Predupeneus prayensis Sepis officinalis hierredda Sphoeroides spengleri Decapterus rhonchus Syachum micrurum Pleotoxhinchus mediterraneus Alectis alexandrinus Pistularia tabacaria Pistularia petimba Pegusa lacaris Brachydeuterus auritus Chaetodon hoefleri Chaetodon hoefleri Choroscombrus chrysurus Priacanthus arenatus Dactylopterus volitans Rypticus saponaceus Selene dorsalis Total DATE:10/11/95 GEAR Start stop duration TIME :15:15:00 15:45:00 30 () LOC :6067.90 6869.50 1.60 FDEFTH: 36 37 DEFTH: 36 37 DEFTH: 36 37 Towing dir: 320° Wire on Sorted: 84 Kg Total catu SPECIES Pagellus bellottii Chloroscombrus chrysurus Decapterus rhonchus Pomadasys incisus Spars caeruleostictus * Sepia officinalis hierredda Sphyraena guachancho Pristularia tabacaria Priacanthus arenatus Dentex canariensis Fistularia tabacaria Priacanthus arenatus Dentex canariensis Fistularia tabacaria Priacanthus arenatus Dentex considensis Sphoeroides spengleri Zeus faber Tachinus draco Decopterus punctatus Chaetodon hoefleri	CATCH/1 weight 1 43.76 16.50 11.66 10.16 1.92 1.89 1.43 1.25 1.25 1.25 1.01 0.66 0.78 0.72 0.67 0.62 0.42 0.35 0.35 0.35 0.35 0.16 79.01 79.01 67.01 79.01 67.01 79.00 65.00 18.20 8.00 1.60 2.40 2.40 2.40 2.40 2.40 2.40 1.60 0.62 0.72 0.67 56.10	GOUR * 274 274 109 109 101 139 9 9 7 4 2 7 7 4 2 7 7 4 2 7 7 4 2 7 7 4 2 7 7 4 2 7 7 5 8 8 9 9 9 9 9 9 9 9 9 9 9 9 9	CF TOT. C 45.57 17.18 12.14 12.14 12.14 12.14 1.58 2.00 1.97 1.30 1.05 0.97 0.65 0.41 0.75 0.65 0.41 0.24 0.17 100.08 MECT STATIO CON:Lat. N Long W *10 HOUR: 3 0.761 25.61 21.08 5.90 2.59 1.42 0.58 0.71 0.58 0.71 0.58 0.71 0.58 0.45 0.45 0.71 0.58 0.44 0.75 0.97 1.00 1.0	53.M 134 134 134 108.42 54 56 55

		PPC	JECT STATION	1. 314
DATE:10/11/95 GEAR TY start stop duration	PE: BT No:		ION:Lat N Long W	
TIME :17:20:00 17:40:00 20 (min LOG :6886.00 6886.00 1.00	) Purpose Area cod			
FDEPTH: 35 30 BDEPTH: 35 30	GearCon Validity	d.code:		
	120 m Spe		in*10	
Sorted: 117 Kg Total catch:	4091.50	CATCH	1/HOUR: 1227	4.50
SPECIES	CATCH/I weight	HOUR W	OF TOT. C	SAMP
Chloroscombrus chrysurus Brachydeuterus auritus	6552.00 2992.50	80736 36792	53.38 24.38	563 564
Sardinella aurita Decapterus rhonchus	2163.00 235.20	14175 2100	17.62 1.92	565 567
Pagellus bellottii	207.90	735	1.69	507
Selene dorsalis Sardinella maderensis	69.30 35.70 10.50	420	0.29	566
Sepia officinalis hierredda Chelidonichthys gabonensis	8.40	105	0.09 0.07	
Total	12274.50		100.00	
	PE: BT No:		JECT STATION	1343
start stop duration TIME :02:40:00 02:55:00 15 (min			Long W	1659
LOG :6980.80 6981.60 0.80 FDEPTH: 19 19	Area co GearCon	d.code:		
BDEPTH: 19 19 Towing dir: 66° Wire out:	Validity 120 m Spe		in*10	
Sorted: 46 Kg Total catch:	543.69	CATCH	i/HOUR: 21	74.76
SPECIES	CATCH/		OF TOT. C	SAMP
Sardinella maderensis	905.40	numbers 8076	41.63	569
Galeoides decadactylus Sardinella maderensis	598.32 283.68	12112 1548	27.51 13.04	568
Brachydeuterus auritus Decapterus rhonchus	108.00 103.68	4176 2592	4.97 4.77	570
Sphyraena guachancho Pomadasys peroteti	54.00 30.96	72 72	2.48	
Sepia officinalis hierredda	30.24	504 72	1.39	
Lithognathus mormyrus Penaeus kerathurus	26.40 9.36	648	0.43	
Batrachoides liberiensis Pseudupeneus prayensis	8.64 6.48	432 360	0.40	
Dactylopterus volitans Pegusa lascaris	3.60 2.88	144 216	0.17 0.13	
Penaeus notialis Dentex canariensis	1.44 0.72	144 648	0.07 0.03	
Dentex canariensis Parapenaeopsis atlantica	0.72	448 144	0.03	
Total	2175.24		100.01	
DATE:11/11/95 GEAR TY	PE: BT No:		DJECT STATION:Lat N	
start stop duration TIME :05:25:00 05:44:00 19 (min	) Purpose	code	Long W	1701
LOG :7008.00 7009.00 1.00	Area co	de :	-	
LOG :7008.00 7009.00 1.00 FDEPTH: 22 20 BDEPTH: 22 20	Area co GearCon Validit	de : d.code: y code:		
LOG :7008.00 7009.00 1.00 FDEPTH: 22 20 BDEPTH: 22 20 Towing dir: 56* Wire out:	Area co GearCon Validit 120 m Sp	de : d.code: y code: eed: 3 }	xn*10	78.05
LOG :7008.00 7009.00 1.00 FDEPTH: 22 20 BDEPTH: 22 20	Area co GearCon Validit 120 m Sp 848.05	de : d.code: y code: eed: 3 } CATC	xn*10	78.05 Samp
LGG :7008.00 7009.00 1.00 FDEPTH: 22 20 TOWING dir: 56* Wire out: Sorted: 97 Kg Total catch: SPECIES	Area co GearCon Validit 120 m Sp 848.05 CATCH/ weight	de : d.code: y code: eed: 3 } CATC	kn*10 H/HOUR: 26 N OF TOT. C	
LGG :7008.00 7009.00 1.00 FDEPTH: 22 20 BDEPTH: 22 20 Towing dir: 56° Wire out: Sorted: 97 Kg Total catch: SPECIES Sardinella maderensis Fomadasys peroteti	Area co GearCon Validit 120 m Sp 848.05 CATCH/ weight 1259.05 716.21	de : d.code: y code: eed: 3 } CATCI HOUR 7 numbers 13295 824	xn*10 H/HOUR: 26 & OF TOT. C 47.01 26.74	SAMP 576 577
LGG :7008.00 7009.00 1.00 FDEPTH: 22 20 BDEPTH: 22 20 Towing dir: 56° Wire out: Sorted: 97 Kg Total catch: SPECIES Sardinella maderensis Pomadasys peroteti Sardinella aurita Sparus caeruleostictus *	Area co GearCon Validit 120 m Sp 848.05 CATCH/ weight 1259.05 716.21 203.21 99.76	de : d.code: y code: eed: 3 ) CATCI HOUR 7 numbers 13295 824 1165 398	<pre>kn*10 H/HOUR: 26 A OF TOT. C 47.01 26.74 7.59 3.73</pre>	SAMP 576
Loc :7008.00 7009.00 1.00 FDEPTH: 22 20 Towing dir: 56° Wire out: Sorted: 97 Kg Total catch: SPECIES Sardinella maderensis Pomadasys peroteti Sardinella aurita Sparus caeruleostictus * Sepia officinalis hierreda Decapterus rhonchus	Area co GearCon Validit 120 m Sp 848.05 CATCH/ weight 1259.05 716.21 203.21 99.76 54.28 48.60	de : d.code: y code: eed: 3 ) CATCI HOUR 1 13295 824 1165 398 227 654	<pre>kn*10 H/HOUR: 26 4 OF TOT. C 47.01 26.74 7.59 3.73 2.03 1.81</pre>	SAMP 576 577
LGG :7008.00 7009.00 1.00 FDEPTH: 22 20 Towing dir: 56* Wire out: Sorted: 97 Kg Total catch: SPECIES Sardinella maderensis Pomadasys peroteti Sardinella aurita Sparus caeruleostictus * Sepia officinalis hierredda Decapterus rhonchus Brachydeuterus auritus Chloroscombrus chrysurus	Area co GearCon Validit 120 m Sp 848.05 CATCH/ weight 1259.05 716.21 203.21 99.76 54.28 48.60 38.65 36.09	de : d.code: y code: eed: 3 } CATCI HOUR 13295 824 1165 398 227 654 711 483	<pre>kn*10 H/HOUR: 26 OF TOT. C 47.01 26.74 7.59 3.73 2.03 1.81 1.44 1.35</pre>	576 577 575
LGG :7008.00 7009.00 1.00 FDEPTH: 22 20 Towing dir: 56* Wire out: Sorted: 97 Kg Total catch: SPECIES Sardinella maderensis Pomadasys peroteti Sardinella aurita Sparus caeruleostictus * Sepia oficinalis hierredda Decapterus rhonchus Brachydeuterus auritus Chloroscombrus chrysurus Pseudupeneus prayensis Sphyraena guachancho	Area co GearCon Validit 120 m Sp 848.05 CATCH/ weight 1259.05 716.21 203.21 99.76 54.28 48.60 38.65 36.09 32.97 31.83	de : d.code: y code: eed: 3 } CATCI HOUR 1 13295 824 1165 398 227 654 711 483 881 85	<pre>kn*10 4/HOUR: 26 4 OF TOT. C 47.01 26.74 7.59 3.73 1.81 1.44 1.35 1.23 1.19</pre>	576 577 575
LGG :7008.00 7009.00 1.00 FDEPTH: 22 20 Towing dir: 56* Wire out: Sorted: 97 Kg Total catch: SPECIES Sardinella maderensis Pomadasys peroteti Sardinella aurita Sparus caeruleostictus * Sepia oficinalis hierredda Decapterus rhonchus Brachydeuterus auritus Chloroscombrus chrysurus Pseudupeneus prayensis Sphyraena guachancho Pleetorhinchus mediterraneus Dentex canariensis	Area co GearCon Validit 120 m Sp 848.05 CATCH/ weight 1259.05 716.21 203.21 99.76 54.28 48.60 38.65 36.09 32.97 31.85 31.55 25.01	de : d.code: y code: eed: 3 ) CATCI HOUR 7 13295 824 1165 398 227 654 711 483 881 881 885 369 426	<pre>kn+10 4/HOUR: 26 4 OF TOT. C 47.01 26.74 7.59 3.73 2.03 1.81 1.44 1.35 1.23 1.19 1.18 0.93</pre>	576 577 575
LCG :7008.00 7009.00 1.00 FDEPTH: 22 20 Towing dir: 56* Wire out: Sorted: 97 Kg Total catch: SPECIES Sardinella maderensis Pomadasys peroteti Sardinella aurita Sparus caeruleostictus * Sepia officinalis hierredda Decapterus rhonchus Brachydeuterus auritus Chloroscombrus chrysurus Pseudupeneus prayensis Sphyraena guachancho Plectorhinchus mediterraneus	Area co GearCon Validit 120 m Sp 848.05 CATCH/ weight 1259.05 716.21 203.21 99.76 54.28 48.60 38.65 36.09 32.97 31.83 31.55 25.01 23.02 16.20	de : de code: y code: eed: 3 1 CATCI HOUR 7 13295 824 1165 824 1165 824 1338 824 711 483 881 85 369 426 85 171	<pre>kn+10 4/HOUR: 26 A OF TOT. C 47.01 26.74 7.59 3.73 2.03 1.81 1.44 1.35 1.23 1.19 1.18 0.93 0.86 0.60</pre>	576 577 575
LGG :7008.00 7009.00 1.00 FDEPTH: 22 20 Towing dir: 56* Wire out: Sorted: 97 Kg Total catch: SPECIES Sardinella maderensis Pomadasys peroteti Sardinella aurita Sparus caeruleostictus * Sepia officinalis hierredda Decapterus rhonchus Brachydeuterus auritus Chloroscombrus chrysurus Pseudupeneus prayensis Sphyraena guachancho Plectorhinchus mediterraneus Dentex canariensis Dentex canariensis	Area co GearCon Validit 120 m Sp 848.05 CATCH/ weight 1259.05 716.21 203.21 99.76 54.28 48.60 38.65 36.09 32.97 31.83 31.55 25.01 23.02	de : d.code: y code: eed: 3 ) CATCI HOUR 1 13295 824 1165 388 227 654 711 483 881 85 369 426 85	<pre>kn*10 H/HOUR: 26 OF TOT. C 47.01 26.74 7.59 3.73 2.03 1.81 1.44 1.35 1.23 1.19 1.18 0.93 0.86</pre>	576 577 575
LGG :7008.00 7009.00 1.00 FDEPTH: 22 20 Towing dir: 56* Wire out: Sorted: 97 Kg Total catch: SPECIES Sardinella maderensis Pomadasys peroteti Sardinella aurita Sparus caeruleostictus * Sepia officinalis hierredda Decapterus rhonchus Brachydeuterus auritus Chloroscombrus chrysurus Pseudupeneus prayensis Sphyraena guachancho Pletorhinchus mediterraneus Dentex canariensis Dasyatis margarita Eucinostomus melanopterus Galeoides decadactylus	Area co GearCon Validit 120 m Sp 848.05 CATCH/ weight 1259.05 716.21 203.21 99.76 54.28 48.60 38.65 36.09 32.97 31.83 31.55 25.01 23.02 16.20 14.21	de : de code: y code: eed: 3 ) CATCI HOUR 1 13295 824 1165 824 1165 654 711 483 881 85 369 426 85 369 426 85 171 199	<pre>kn*10 H/HOUR: 26 A OF TOT. C 47.01 26.74 7.59 3.73 2.03 1.81 1.44 1.35 1.23 1.19 1.18 0.93 0.86 0.60 0.53</pre>	576 577 575
LCG :7008.00 7009.00 1.00 FDEPTH: 22 20 Towing dir: 56* Wire out: Sorted: 97 Kg Total catch: SPECIES Sardinella maderensis Pomadays peroteti Sardinella aurita Sparus caeruleostictus * Sepia oficinalis hierredda Decapterus rhonchus Brachydeuterus auritus Chloroscombrus chrysurus Pseudupeneus prayensis Sphyraena guachancho Pleetorhinchus mediterraneus Dentex canariensis Dasyatis margarita Bucinostomus melanopterus Galeoides decadactylus Pomadays incisus Pagellus bellottii Serranus soriba SOLEIDAE	Area co GearCon Validit 120 m Sp 848.05 CATCH/ weight 1259.05 716.21 203.21 99.76 54.28 48.60 38.65 36.09 32.97 31.85 31.55 31.55 25.01 23.02 16.20 14.21 13.64 6.25 6.25 4.83	de : d. code: edd: 3 ) CATC: HOUR 1 13295 824 1165 3388 227 654 7111 85 369 426 85 1711 185 369 426 85 1711 199 142 57 57	<pre>kn+10 4/HOUR: 26 4 OF TOT. C 47.01 26.74 7.59 3.73 1.81 1.44 1.35 1.23 1.18 0.93 0.86 0.93 0.86 0.053 0.55 0.25 0.25 0.25 0.25 0.25 0.25 0.18</pre>	SAMP 576 577 575 578
LCG :7008.00 7009.00 1.00 FDEPTH: 22 20 Towing dir: 56* Wire out: Sorted: 97 Kg Total catch: SPECIES Sardinella maderensis Pomadasys peroteti Sardinella aurita Sprus caeruleostictus * Sepia oficinalis hierredda Decapterus rhonchus Brachydeuterus auritus Chloroscombrus chrysurus Pseudupenus prayensis Sphyraena guachancho Plectorhinchus mediterraneus Denter canariensis Dasyatis margarita Eucinostomus melanopterus Galeoides decadactylus Pomadasys incisus Pagelus bellottii Serranus scriba SolEIDAE Penaeus pnialis, female Diplodus bellottii	Area co GearCon Validit 120 m Sp 848.05 CATCH/ weight 1259.05 716.21 203.21 99.76 54.28 48.60 38.65 36.09 32.97 31.83 31.55 35.01 23.02 16.20 14.21 13.64 6.82 6.25 4.83 4.42 3.69	de : de code: y code: eed: 3 ) CATC: HOUR 1 13295 8245 8245 1165 3388 227 654 7111 483 8651 853 369 4266 855 1711 199 1425 57 59 193 28	<pre>kn+10 4/HOUR: 26 4 OF TOT. C 47.01 26.74 7.59 3.73 3.73 1.81 1.35 1.23 1.19 1.18 0.93 0.86 0.53 0.86 0.53 0.55 0.25 0.25 0.23 0.18 0.17 0.14</pre>	SAMP 576 577 575 578 578
LCG :7008.00 7009.00 1.00 FDEPTH: 22 20 Towing dir: 56* Wire out: Sorted: 97 Kg Total catch: SPECIES Sardinella maderensis Pomadasys peroteti Sardinella aurita Sprus caeruleostictus * Sepia oficinalis hierredda Decapterus rhonchus Brachydeuterus auritus Chloroscombrus chrysurus Pseudupeneus prayensis Sphyraena guachancho Plectorhinchus mediterraneus Dentex canariensis Dayatis margarita Bucinostomus melanopterus Galeoides decadactylus Pomadasys incisus Paedupenes prayentis Serranus Scriba SOLEIDAE Penaeus notialis, female Diplodus bellottii Penaeus notialis, male Socopaena stephanica	Area co GearCon validit 120 m Sp 848.05 CATCH/ weight 1259.05 716.21 203.21 99.76 99.76 99.76 94.28 48.60 38.65 36.09 32.97 31.83 31.55 25.01 23.02 16.20 14.21 13.64 6.82 6.25 4.83 4.42 3.69 3.63 2.56	de : d.code: y code: ed: 3 ) CATC! HOUR - numbers 13295 824 1165 398 227 654 711 483 881 85 369 426 85 369 426 85 171 199 142 57 57 57 57 57 199 193 28 313	<pre>kn+10  A/HOUR: 26  A OF TOT. C  47.01 26.74 7.59 3.73 2.03 1.81 1.44 1.35 1.19 1.18 0.93 0.86 0.60 0.53 0.51 0.25 0.25 0.25 0.23 0.18 0.17 0.14 0.14 0.14</pre>	SAMP 576 577 575 578 578
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Loc :7008.00 7009.00 1.00 FPEPTH: 22 20 Towing dir: 56* Wire out: Sorted: 97 Kg Total catch: SPECIES Sardinella maderensis Pomadasys peroteti Sardinella aurita Sparus caeruleostictus * Sepia officinalis hierredda Decapterus rhonchus Brachydeuterus auritus Chloroscombrus chrysurus Pseudupenus prayensis Sphyraena guachancho Plectorhinchus mediterraneus Dentex canariensis Dasyatis margarita Eucinostomus melanopterus Galeoides decadactylus Pomadasys incisus Paenaus soriba SOLEDAE Penaeus notialis, female Diplodus bellottii Senaus entialis, male Socorpaena stephanica Penaeus kerathurus, male Total	Area co GearCon Validit 120 m Sp 848.05 CATCH/ weight 1259.05 716.21 203.21 99.76 54.28 48.60 38.65 36.09 32.97 31.83 31.55 25.01 23.02 16.20 14.21 13.64 6.82 6.25 4.83 2.56 0.98 0.57 2678.03	de : de d.code: edd: 3 ) CATC! HOUR 1 13295 824 1165 398 227 654 1165 398 398 398 427 654 7711 483 865 369 426 85 171 199 142 57 57 57 199 142 57 57 57 199 193 385 54 41	An * 10 H/HOUR: 26 A OF TOT. C 47.01 26.74 7.59 3.73 2.03 1.81 1.44 1.35 1.23 1.19 1.23 1.19 1.23 1.38 0.93 0.86 0.60 0.53 0.51 0.23 0.18 0.25 0.23 0.18 0.23 0.17 0.14 0.04 0.02 100.00 DJECT STATIO	SAMP 576 577 575 578 578 572 571 574 573 88: 317
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Loc :7008.00 7009.00 1.00 FDEPTH: 22 20 Towing dir: 56* Wire out: Sorted: 97 Kg Total catch: SPECIES Sardinella maderensis Pomadasys peroteti Sardinella aurita Sprus caeruleosictus * Sepia officinalis hierredda Decapterus rhonchus Brachydeuterus auritus Chloroscombrus chrysurus Pseudupenus prayensis Sphyraena guachancho Plectorhinchus mediterraneus Dentex canariensis Dasyatis margarita Bucinostomus melanopterus Galeoides decadactylus Pomadasys incisus Paepalus bellottii Serranus scriba SolEIDAE Penaeus notialis, female Diplodus bellottii Penaeus notialis, male Scorpaena stephanica Penaeus kerathurus, female Penaeus kerathurus, female Pe	Area co GearCon validit 120 m Sp. 848.05 CATCH/ weight 1259.05 716.21 203.21 99.76 54.28 48.60 38.65 36.09 32.97 31.83 31.55 25.01 13.64 6.25 4.83 4.42 3.69 3.63 2.56 0.57 2678.03 CPE: BT No: Validit 350 m Sp 199.68	de : d.code: y code: y code: locate: y code: locate: locate: locate: locate: locate: locate: locate: locate: locate: locate: y code: y code: locate:	<pre>kn*10  A/HOUR: 26  A OF TOT. C  47.01 26.74 7.59 3.73 2.03 1.81 1.44 1.35 1.23 1.19 1.18 0.93 0.86 0.60 0.53 0.51 0.25 0.25 0.23 0.18 0.17 0.14 0.10 0.04 0.02 100.00 DIFCT STATIO TION:Lat N Long W 1 kn*10 H/HOUR: 5</pre>	SAMP 576 577 575 578 578 572 571 574 573 873 817 1407 1730
LCG :7008.00 7009.00 1.00 FDEPTH: 22 20 Towing dir: 56° Wire out: Sorted: 97 Kg Total catch: SPECIES Sardinella maderensis Pomadasys peroteti Sardinella aurita Sparus caeruleostictus * Sepia officinalis hierredda Decapterus rhonchus Brachydeuterus auritus Chloroscombrus chrysurus Pseudupenus prayensis Sphyraena guachancho Pleotorhinchus mediterraneus Dentex canariensis Dasyatis margarita Bucinostomus melanopterus Galeoides decadactylus Pomadasys incisus Paegalus bellottii Serranus scriba SoLEIDAE Penaeus notialis, female Diplodus bellottii Penaeus notialis, female Diplodus bellottii Penaeus kerathurus, female Penaeus kerathurus, male Total DATE:11/11/95 GEAR TY Start stop duration TIME :10:44:00 11:07:00 23 (mir LCG :7060.00 7061.30 1.30 FDEPTH: 109 110 BDEPTH: 109 110 BDEPTH: 109 110 Towing dir: 180° Wire out: Sorted: 25 Kg Total catch:	Area co GearCon Validit 120 m Sp. 848.05 CATCH/ weight 1259.05 716.21 203.21 99.76 54.28 48.60 38.65 36.09 32.97 31.83 31.55 25.01 23.02 16.20 14.21 13.64 6.82 6.25 4.83 2.56 0.98 3.63 2.57 2678.03 CPE: BT No: CATCH/ weight	de : d.code: y code: y code: acode: y code: acode	<pre>kn*10  A/HOUR: 26  A OF TOT. C  47.01 26.74 7.59 3.73 2.03 1.81 1.9 1.8 0.93 0.86 0.60 0.53 0.51 0.25 0.25 0.51 0.25 0.51 0.25 0.51 0.25 0.51 0.25 0.51 0.25 0.51 0.25 0.51 0.25 0.51 0.25 0.51 0.25 0.51 0.25 0.51 0.25 0.51 0.25 0.51 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5</pre>	SAMP 576 577 575 578 578 572 571 574 573 N: 317 1407 1730
Loc :7008.00 7009.00 1.00 FDEPTH: 22 20 Towing dir: 56* Wire out: Sorted: 97 Kg Total catch: SPECIES Sardinella maderensis Pomadasys peroteti Sardinella aurita Sprus caeruleosictus * Sepia officinalis hierredda Decapterus rhonchus Brachydeuterus auritus Chloroscombrus chrysurus Pseudupenus prayensis Sphyraena guachancho Plectorhinchus mediterraneus Dentex canariensis Dasyatis margarita Bucinostomus melanopterus Galeoides decadactylus Pomadasys incisus Paepalus bellottii Serranus scriba SolEIDAE Penaeus notialis, female Diplodus bellottii Penaeus notialis, male Scorpaena stephanica Penaeus kerathurus, female Penaeus kerathurus, female Pe	Area co GearCon Validit 120 m Sp- 848.05 CATCH/ weight 1259.05 716.21 203.21 99.76 54.28 48.60 38.65 36.09 32.97 31.83 31.55 25.01 23.02 16.20 14.21 13.64 6.82 6.25 4.83 2.56 0.98 3.63 2.57 2678.03 CPE: BT No: 22678.03 CPE: BT No: 3199.68 CATCH/ weight 454.96 16.49	de : d. code: edd: 3 ] CATCI HOUR 1 13295 824 1165 398 227 654 711 483 881 369 426 85 171 199 142 57 57 57 57 193 142 88 103 88 142 41 85 54 41 PR POSI code: edd: 3 ]	<pre>kn*10  A/HOUR: 26  A OF TOT. C  47.01 26.74 7.59 3.73 2.03 1.81 1.44 1.35 1.23 1.19 1.18 0.93 0.86 0.60 0.53 0.51 0.25 0.25 0.23 0.18 0.17 0.14 0.10 0.04 0.02 100.00 DIFCT STATIO TION:Lat N Long W 1 kn*10 H/HOUR: 5</pre>	SAMP 576 577 575 578 578 572 571 574 573 873 817 1407 1730
LCG :7008.00 7009.00 1.00 FDEPTH: 22 20 Towing dir: 56* Wire out: Sorted: 97 Kg Total catch: SPECIES Sardinella maderensis Pomadasys peroteti Sardinella aurita Sprus caeruleostictus * Sepia oficinalis hierredda Decapterus rhonchus Brachydeuterus auritus Chloroscombrus chrysurus Pseudupenus prayensis Sphyraena guachancho Plectorhinchus mediterraneus Dentex canariensis Dasyatis margarita Bucinostomus melanopterus Galeoides decadactylus Pomadasys incisus Paegalus bellottii Serranus scriba SOLEIDAE Penaeus notialis, female Diplodus bellottii Penaeus notialis, male Scorpaena stephanica Penaeus kerathurus, female Penaeus kerathurus, male Total DATE:11/11/95 GEAR TI Start stop duration TIME:10:41.001:07:0023 (mir LCG :7060.00 7061.30 1.30 FDEPTH: 109 110 Towing dir: 180° Wire out: Sorted: 25 Kg Total catch: SPECIES Boops boops Trachinocephalus myops Lepidotigia carolae	Area co GearCon Validit 120 m Sp 848.05 CATCH/ weight 1259.05 716.21 203.21 99.76 54.28 48.60 38.65 36.09 32.97 31.83 31.55 31.55 31.55 31.55 31.55 25.01 23.02 6.25 4.83 4.42 3.69 3.63 2.56 0.98 0.57 2678.03 Purpose Area co GearCon Validit 350 m Sp 199.68 CATCH/ weight 454.96	de : d.code: y code: y code: a code: y code: a code: y code: a code: a code: a code a code	<pre>kn*10 4/HOUR: 26 4 OF TOT. C 47.01 26.74 7.59 3.73 1.81 4.4 1.35 1.23 1.19 1.18 0.93 0.86 0.53 0.18 0.17 0.14 0.14 0.12 0.02 100.00 DJECT STATIO TION:Lat N Long W 1 kn*10 H/HOUR: 5 % OF TOT. C 87.34</pre>	SAMP 576 577 575 578 578 572 571 574 573 873 817 1407 1730
LCG :7008.00 7009.00 1.00 FDEPTH: 22 20 Towing dir: 56* Wire out: Sorted: 97 Kg Total catch: SPECIES Sardinella maderensis Pomadasys peroteti Sardinella aurita Sprus caeruleostictus * Sepia officinalis hierredda Decapterus rhonchus Brachydeuterus auritus Chloroscombrus chrysurus Pæudupeneus prayensis Sphyraena guachancho Plectorhinchus mediterraneus Dentex canariensis Dayatis margarita Bucinostomus melanopterus Galeoides decadactylus Pomadasys incisus Paealus bellottii Serranus scriba SoLEIDAE Penaeus notialis, female Diplodus bellottii Penaeus notialis, female Diplodus bellottii Penaeus kerathurus, female Penaeus kerathurus, female Penaeus kerathurus, female Penaeus kerathurus, female Penaeus kerathurus, female Penaeus kerathurus, female Penaeus Artion TIME: 11/11/95 GEAR TI Start stop duration TIME: 10:44:00 11:07:00 23 (mir LCG :7060.00 7061.30 1.30 FDEPTH: 109 110 Towing dir: 180* Wire out: Sorted: 25 Kg Total catch: SPECIES Boogs boogs Trachinocephalus myops Lepidotrigla carolae Pagelus bellottii Illex coindetii	Area co GearCon Validit 120 m Sp. 848.05 CATCH/ Weight 1259.05 716.21 203.21 99.76 54.28 48.60 38.65 36.09 32.97 31.83 31.55 25.01 13.64 6.25 4.83 4.42 3.69 3.63 2.56 0.98 0.57 2678.03 CPE: BT No: Purpose Area co CatCH/ Weight 454.96 16.49 13.36 9.60 9.60 5.43	de : d. code: y code: y code: a code: y code: a code: a code: a code: a code: a code: a code: a code: b code: a code: b code: code: y code: a code: b code: a code: b code: a code: b code: a code: b code: a code: b code: c	<pre>kn * 10  #/HOUR: 26  A OF TOT. C  47.01 26.74 7.59 3.73 2.03 1.81 4.4 1.35 1.93 1.81 0.93 0.86 0.60 0.53 0.25 0.25 0.23 0.18 0.17 0.14 0.10 0.02 100.00 DIFCT STATIO TION:Lat N Long W  kn * 10 kn * 10 kn * 10 </pre>	SAMP 576 577 575 578 578 572 571 574 573 873 817 1407 1730
LCG :7008.00 7009.00 1.00 FDEPTH: 22 20 Towing dir: 56* Wire out: Sorted: 97 Kg Total catch: SPECIES Sardinella maderensis Pomadasys peroteti Sardinella aurita Sprus caeruleosictus * Sepia officinalis hierredda Decapterus rhonchus Brachydeuterus auritus Chloroscombrus chrysurus Pseudupenus prayensis Sphyraena guachancho Pleotorhinchus mediterraneus Dentex canariensis Dayatis margarita Bucinostomus melanopterus Galeoides decadactylus Pomadasys incisus Pagelus bellottii Penaeus notialis, female Diplodus bellottii Penaeus notialis, male Soorpaena stephanica Penaeus kerathurus, female Penaeus kerathurus, male Total DATE:11/11/95 GEAR TY Start stop duration TIME :10:44:00 11:07:00 23 (mi LCG :7060.00 7061.30 1.30 FDEPTH: 109 110 Towing dir: 180° Wire out: Sorted: 25 Kg Total catch: SPECIES Boops boops Trachinocephalus myops Lepidotrigla carolae Pagelus bellottii Antigonia capros Loligo vulgaris	Area co GearCon validit 120 m Sp. 848.05 CATCH/ weight 1259.05 716.21 203.21 99.76 54.28 48.60 38.65 36.09 32.97 31.83 31.55 25.01 13.64 6.20 14.21 13.64 6.82 4.83 3.63 2.56 0.98 0.57 2678.03 CPE: BT No: CATCH/ weight 454.96 16.49 13.36 9.60 5.43 4.80	de : d. code: y code: y code: ad. code: code: ad. code: ad.	<pre>kn+10  A/HOUR: 26  A OF TOT. C  47.01 26.74 7.59 3.73 2.03 1.81 4.1 35 1.19 1.8 0.93 0.86 0.60 0.53 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.18 0.10 0.04 0.22 0.00 DIFCT STATIO TION:Lat N Long W L kn+10 H/HOUR: 5 A OF TOT. C  87.34 3.17 2.56 1.84 1.04 0.92 0.84</pre>	SAMP 576 577 575 578 578 572 571 574 573 873 817 1407 1730
LCG :7008.00 7009.00 1.00 FDEPTH: 22 20 Towing dir: 56* Wire out: Sorted: 97 Kg Total catch: SPECIES Sardinella maderensis Pomadasys peroteti Sardinella aurita Sparus caeruleostictus * Sepia officinalis hierredda Decapterus rhonchus Brachydeuterus auritus Chloroscombrus chrysurus Pseudupenus prayensis Sphyraena guachancho Plectorhinchus mediterraneus Dentex canariensis Dasyatis margarita Eucinostomus melanopterus Galeoides decadactylus Penaeus sorialis, female Pielatorhinchus mediterranel SolEDDAE Penaeus notialis, female Diplodus bellottii Penaeus kerathurus, female Penaeus kerathurus, male Total DATE:11/11/95 GEAR TI start stop duration TIME :10:44:00 11:07:00 23 (mir LCG :7060.00 7061.30 1.30 FDEPTH: 109 110 DEDEPTH: 109 110 DOTE:15 Sopps boops Trachinocephalus myops Lepidotrigla carolae Pagellus bellottii Thet coindetii Antigonia capros Loligo vulgaris Syacium micrurum Dactylopterus volitans	Area co GearCon Validit 120 m Sp. 848.05 CATCH/ weight 1259.05 716.21 203.21 99.76 54.28 48.60 38.65 36.09 32.97 31.83 31.55 25.01 13.64 6.82 6.25 4.83 4.63 2.56 0.98 0.57 2678.03 22678.03 CPE: BT No: 199.68 CATCH/ weight 454.96 16.49 13.36 9.60 5.43 4.80 4.80 4.80 4.81 3.96 5.43 4.80 4.80 5.43 4.80 4.80 5.43 4.80 5.43 4.80 5.43 4.80 5.43 4.80 5.43 4.80 5.43 4.80 5.43 4.80 5.43 4.80 5.43 4.80 5.43 4.80 5.43 4.80 5.43 4.80 5.43 4.80 5.43 5.43 5.43 5.43 5.43 5.43 5.43 5.43	de : da code: y code: y code: a code: y code: a code: b code: a code: b code: a code: a code: a code: b code: a code: a code: a code: b code: a code: b code: a code: b code: code: code: code: a code: b code: code: code: a code: b code:	<pre>kn+10 #/HOUR: 26 A OF TOT. C 47.01 26.74 7.59 3.73 2.03 1.81 4.4 1.35 1.19 1.84 1.35 0.86 0.60 0.53 0.51 0.25 0.25 0.51 0.25 0.51 0.25 0.51 0.25 0.51 0.25 0.51 0.25 0.51 0.25 0.51 0.25 0.51 0.55 0.55 0.55 0.55 0.55 0.55 0.5</pre>	SAMP 576 577 575 578 578 572 571 574 573 873 817 1407 1730
LCG :7008.00 7009.00 1.00 FDEPTH: 22 20 Towing dir: 56* Wire out: Sorted: 97 Kg Total catch: SPECIES Sardinella maderensis Pomadasys peroteti Sardinella aurita Sparus caeruleostictus * Sepia officinalis hierredda Decapterus rhonchus Brachydeuterus auritus Chloroscombrus chrysurus Pseudupenus prayensis Sphyraena guachancho Plectorhinchus mediterraneus Dentex canariensis Dasyatis margarita Eucinostomus melanopterus Galeoides decadactylus Penaeus sorialis, female Pielatorhinchus mediterranel SolEIDAE Penaeus notialis, female Diplodus bellottii Penaeus kerathurus, female Penaeus kerathurus, female Penaeus kerathurus, female Total DATE:11/11/95 GEAR TI Sotted: 25 Kg Total catch: SPECIES Boops boops Trachinocephalus myops Lepidotrigla carolae Paqeilus bellottii Ille coindetii Atigonic capros Loligo vulgaris Syacium micrurum Dactylopterus volitans Zeus faber Decapterus rhonchus	Area co GearCon Validit 120 m Sp. 848.05 CATCH/ weight 1259.05 716.21 203.21 99.76 54.28 48.60 38.65 36.09 32.97 31.83 31.55 25.01 13.64 6.82 6.25 4.83 2.56 0.98 0.57 2678.03 CPE: BT No: 199.68 CATCH/ weight 454.96 16.49 13.36 9.60 5.43 4.80 4.80 4.81 3.64 5.43 4.80 5.20 5.43 4.80 5.43 5.43 5.43 5.43 5.43 5.43 5.43 5.43	de : da code: y code: y code: a code: y code: a code	<pre>kn * 10 #/HOUR: 26 * OF TOT. C</pre>	SAMP 576 577 575 578 578 572 571 574 573 873 817 1407 1730
LCG :7008.00 7009.00 1.00 FPEPTH: 22 20 Towing dir: 56* Wire out: Sorted: 97 Kg Total catch: SPECIES Sardinella maderensis Pomadasys peroteti Sardinella aurita Sparus caruleostictus * Sepia officinalis hierredda Decapterus rhonchus Brachydeuterus auritus Chloroscombrus chrysurus Pseudupenus prayensis Sphyraena guachancho Plectorhinchus mediterraneus Dentex canariensis Dasyatis margarita Bucinostomus melanopterus Galeoides decadactylus Penaeus notialis, female Diplodus bellottii Penaeus notialis, female Penaeus kerathurus, female Penaeus kerathurus, male Total DATE:11/11/95 GEAR TI start stop duration TIME :10:44:00 11:07:00 23 (mir LOG :7060.00 7061.30 1.30 FDEPTH: 109 110 DEPTH: 109 110 DEPTH: 109 110 Towing dir: 180° Wire out: Sorted: 25 Kg Total catch: SPECIES Boops boops Trachinocephalus myops Lepidotrigla carolae Pagellus bellottii Illex coindetii Antigonia capros Loligo vulgaris Syacium micrurum Dactylopterus volitans Zeus faber Decapterus rhonchus Arioma bondi BLENNIDAE	Area co GearCon Validit 120 m Spy 848.05 CATCH/ veight 1259.05 716.21 203.21 99.76 54.28 48.60 38.65 36.09 32.97 31.83 31.55 25.01 13.64 6.22 4.83 2.56 0.98 0.57 2678.03 22578.03 2578.03 2578.03 2578.03 2578.03 2678.03 200 Sp 199.68 5.43 4.80 4.38 3.13 2.92 2.09 1.25 0.21	de : da.code: ad.code: y code: ad.code: code: ad.code: code: ad.code:	<pre>kn = 10  #/HOUR: 26  A OF TOT. C  47.01 26.74 7.59 3.73 2.03 1.81 1.35 1.19 1.35 0.93 0.51 0.25 0.25 0.23 0.18 0.51 0.25 0.23 0.18 0.51 0.25 0.23 0.18 0.51 0.25 0.23 0.18 0.93 0.17 0.14 0.10 0.02 100.00 DJECT STATIO TION:Lat N Long W 1 kn = 10 kn =</pre>	SAMP 576 577 575 578 578 572 571 574 573 873 817 1407 1730
LCG :7008.00 7009.00 1.00 FDEPTH: 22 20 Towing dir: 56* Wire out: Sorted: 97 Kg Total catch: SPECIES Sardinella maderensis Pomadasys peroteti Sardinella aurita Spraus caeruleostictus * Sepia officinalis hierredda Decapterus rhonchus Brachydeuterus auritus Chloroscombrus chrysurus Pseudupeneus prayensis Sphyraena guachancho Plectorhinchus mediterraneus Dentex canariensis Dayatis margarita Bucinostomus melanopterus Galeoides decadactylus Pomadasys incisus Paegalus bellottii Serranus scriba SOLEIDAE Penaeus notialis, female Diplodus bellottii Penaeus notialis, female Penaeus notialis, male Scorpaena stephanica Penaeus kerathurus, female Penaeus kerathurus, female Pe	Area co GearCon Validit 120 m Sp. 848.05 CATCH/ Weight 1259.05 716.21 203.21 99.76 54.28 48.60 38.65 36.09 32.97 31.83 31.55 25.01 23.02 16.20 14.21 13.64 6.82 6.25 4.83 4.42 3.69 3.63 2.56 0.98 0.57 2678.03 Purpose CATCH/ Weight 454.96 16.49 13.36 99.68 CATCH/ Weight 454.96 13.63 1.99.68 CATCH/ Weight 454.96 13.36 9.60 5.43 4.80 1.36 1.36 1.36 1.36 1.36 1.36 1.36 1.36	de : da code: y code: y code: y code: y code: a code: y code: a code: a code: a code: a code: a code: a code: b code: a code: b code: a code: a code: b code: a code: a code: a code: b code: a code: a code: a code: b code: a code: b code: a code: a code: a code: b code: a code: a code: b code: a code: a code: b code: a code: a code: a code: a code: b code: a code: a code: a code: a code: b code: a code:	<pre>kn * 10  #/HoUR: 26  A OF TOT. C  47.01 26.74 7.59 3.73 2.03 1.81 4.1 35 1.93 0.86 0.93 0.86 0.93 0.86 0.93 0.86 0.53 0.25 0.23 0.18 0.17 0.14 0.10 0.04 0.02 100.00 DJECT STATIO DJECT STATIO Long W kn * 10 kn</pre>	SAMP 576 577 575 578 578 572 571 574 573 873 817 1407 1730

DATE: 11/11/95 GEAR TY	PE: BT No:		ECT STATION	1: 318 1422
start stop duration TIME :19:10:00 19:22:00 12 (mir			Long W	1710
LOG :7144.90 7145.60 0.70	Area cod	e :		
FDEPTH: 25 26 BDEPTH: 25 26	GearCond Validity			
Towing dir: 205° Wire out:	150 m Spe		*10	
Sorted: 27 Kg Total catch:	81.21	CATCH/	HOUR: 40	06.05
SPECIES	CATCH/H weight n	OUR %	OF TOT. C	SAMP
Pagellus bellottii	101.55	1245	25.01	580
Pomadasys incisus Pseudupeneus prayensis	78.30 60.75	720	19.28 14.96	581
Brachydeuterus auritus Dactylopterus volitans	54.90 23.70	780 30	13.52 5.84	
Decapterus rhonchus	23.55	615	5.80	579
Plectorhinchus mediterraneus Dicologoglossa cuneata	15.00 6.60	270 60	3.69 1.63	
Syacium micrurum	6.45	195	1.59	
Scorpaena angolensis Penaeus notialis, female	5.55 5.25	120 165	1.37	583
Sarpa salpa Sepia sp.	4.35 3.90	15 75	1.07 0.96	
Bothus podas africanus	3.45	180	0.85	
Trachinus draco Penaeus notialis, male	3.15 2.55	45 135	0.78 0.63	582
Sparus caeruleostictus *	2.55	15 15	0.63	
Dicologoglossa hexophthalma Parapristipoma octolineatum	0.90	15	0.26 0.22	
Trachinocephalus myops Sphoeroides spengleri	0.75 0.60	120 15	0.18 0.15	
Grammoplites gruveli	0.60	45	0.15	
Synodus saurus Decapterus punctatus	0.45	60 15	0.11 0.04	
Total	406.05		100.01	
10141	400.05		100.01	
DATE:11/11/95 GEAR T	PE: BT No:7		JECT STATION	
start stop duration			Long W	1710
TIME :19:46:00 20:17:00 31 (mi: LOG :7146.80 7148.40 1.90	a) Purpose Area cod			
FDEPTH: 8 8 BDEPTH: 8 8	GearCond			
	Validity 120 m Spe		10	
Sorted: 65 Kg Total catch	623.83	CATCH,	HOUR: 12	07.41
		,		
SPECIES	CATCH/H	IOUR %	OF TOT. C	SAMP
Pomadasys jubelini	weight r 1030.65	umbers 15557	85.36	
Sardinella maderensis	67.74	354	5.61	585
Decapterus rhonchus Pseudupeneus prayensis	58.06 23.71	1161 1113	4.81 1.96	590
Decapterus punctatus Galeoides decadactylus	10.65 4.35	726	0.88	
Sardinella aurita	4.24	21	0.35	584
				586
Penaeus notialis, male Penaeus notialis, female	2.50	124 56	0.21	
Penaeus notialis, female Alectis alexandrinus	1.99	56 2	0.16 0.14	587
Penaeus notialis, female	1.99	56	0.16	
Penaeus notialis, female Alectis alexandrinus Plectorhinchus mediterraneus	1.99 1.74 1.06	56 2 2	0.16 0.14 0.09	587
Penaeus notialis, female Alectis alexandrinus Plectorhinchus mediterraneus Penaeus kerathurus, male	1.99 1.74 1.06 0.46	56 2 2 17	0.16 0.14 0.09 0.04	587 588
Penaeus notialis, female Alectis alexandrinus Plectorhinchus mediterraneus Penaeus kerathurus, male Penaeus kerathurus, female	1.99 1.74 1.06 0.46 0.25	56 2 2 17 2	0.16 0.14 0.09 0.04 0.02 	587 588 589
Penaeus notialis, female Alectis alexandrinus Plectorhinchus mediterraneus Penaeus kerathurus, male Penaeus kerathurus, female Total	1.99 1.74 1.06 0.46 0.25	56 2 2 17 2 PRO	0.16 0.14 0.09 0.04 0.02 	587 588 589 N: 320
Penaeus notialis, female Alectis alexandrinus Plectorhinchus mediterraneus Penaeus kerathurus, male Penaeus kerathurus, female Total DATE:11/11/95 GEAR T start stop duration	1.99 1.74 1.06 0.46 0.25 1207.40	56 2 17 2 PRO- 2 POSIT:	0.16 0.14 0.09 0.04 0.02 	587 588 589 N: 320 1427
Penaeus notialis, female Alectis alexandrinus Pletorhinchus mediterraneus Penaeus kerathurus, male Penaeus kerathurus, female Total DATE:11/11/95 GEAR T start stop duration TIME :22:15:00 22:30:00 15 (min LOG :7164.40 7165.40 1.00	1.99 1.74 1.06 0.46 0.25 1207.40 rype: PT No::2 n) Purpose Area coc	56 2 17 2 PRO. 2 POSIT: code: 1 de :	0.16 0.14 0.09 0.04 0.02 	587 588 589 N: 320 1427
Penaeus notialis, female Alectis alexandrinus Plectorhinchus mediterraneus Penaeus kerathurus, male Penaeus kerathurus, female Total DATE:11/11/95 GEAR T start stop duration TIME :22:15:00 22:30:00 15 (min	1.99 1.74 1.06 0.46 0.25 1207.40 YPE: PT No:2	56 2 17 2 PRO. 2 POSIT: code: 1 de : 1.code:	0.16 0.14 0.09 0.04 0.02 	587 588 589 N: 320 1427
Penaeus notialis, female Alectis alexandrinus Pletorhinchus mediterraneus Penaeus kerathurus, male Penaeus kerathurus, female Total DATE:11/11/95 GEAR T start stop duration TIME :22:15:00 22:30:00 15 (min LOG :7164.40 7165.40 1.00 FDEPTH: 5 5 BDEPTH: 41 40	1.99 1.74 1.06 0.46 0.25 1207.40 YPE: PT No:: n) Purpose Area coo GearCont	56 2 2 17 2 PRO. 2 POSIT: code: 1 de : 1.code: 7 code:	0.16 0.14 0.09 0.04 0.02 99.99 JECT STATIOI ION:Lat N Long W	587 588 589 N: 320 1427
Penaeus notialis, female Alectis alexandrinus Pletorhinchus mediterraneus Penaeus kerathurus, female Total DATE:11/11/95 GEAR T start stop duration TIME :22:15:00 22:30:00 15 (min LOC :7164.40 7165.40 1.00 FDEPTH: 5 5 BDEPTH: 41 40	1.99 1.74 1.06 0.46 0.25 1207.40 YPE: PT No:2 n) Purpose Area coo CearCon Validity : 120 m Spe	56 2 2 17 2 17 2 PRO. 2 PRO. 2 POSIT: code: 1 1 code: 1 1.code: 7 code: 3 ki	0.16 0.14 0.09 0.04 0.02 99.99 JECT STATIOI ION:Lat N Long W	587 588 589 N: 320 1427
Penaeus notialis, female Alectis alexandrinus Pletorhinchus mediterraneus Penaeus kerathurus, male Penaeus kerathurus, female Total DATE:11/11/95 GEAR T start stop duration TIME :22:15:00 22:30:00 15 (min LOG :7164.40 7165.40 1.00 FDEPTH: 41 40 Towing dir: 55* Wire out Sorted: 57 Kg Total catch	1.99 1.74 1.06 0.46 0.25 1207.40 YPE: PT No:: 1207.40 YPE: PT No:: Area cor GearComt Validit; : 120 m Spe : 568.90	56 2 2 17 2 PRO. 2 PRO. 2 PRO.	0.16 0.14 0.09 0.04 0.02 	587 588 589 1427 1716 75.60
Penaeus notialis, female Alectis alexandrinus Pletorhinchus mediterraneus Penaeus kerathurus, male Penaeus kerathurus, female Total DATE:11/11/95 GEAR T start stop duration TIME :22:15:00 22:30:00 15 (min LOG :7164.40 7165.40 1.00 FDEPTH: 5 5 BDEPTH: 41 40 Towing dir: 55° Wire out	1.99 1.74 1.76 0.46 0.25 1207.40 YPE: PT No:: 1207.40 YPE: PT No:: 1207.40 YPE: PT No:: 1207.40 YPE: PT No:: 1207.40 YPE: PT No:: Cearconc Validity : 120 m Spe : 568.90 CATCH/1	56 2 2 17 2 PRO. 2 PRO. 2 PRO.	0.16 0.14 0.09 0.04 0.02 99.99 JECT STATIOI ION:Lat N Long W	587 588 589 N: 320 1427 1716
Penaeus notialis, female Alectis alexandrinus Plectorhinchus mediterraneus Penaeus kerathurus, male Penaeus kerathurus, female Total DATE:11/11/95 GEAR T start stop duration TIME :22:15:00 22:30:00 15 (min LOG :7164.40 7165.40 1.00 FDEPTH: 41 40 Towing dir: 55* Wire out . Sorted: 57 Kg Total catch SPECIES Sardinella aurita	1.99 1.74 1.06 0.46 0.25 1207.40 YPE: PT No:: 1207.40 YPE: PT No:: 1207.40 YPE: PT No:: 1207.40 XPE: P	56 2 2 17 2 POSIT: code: 1 16: : 1.code: 7 code: 3 kr CATCH, 40UR % Jumbers 12400	0.16 0.14 0.09 0.04 0.02 	587 588 589 N: 320 1427 1716 75.60 SAMP 591
Penaeus notialis, female Alectis alexandrinus Plectorhinchus mediterraneus Penaeus kerathurus, male Penaeus kerathurus, female Total DATE:11/11/95 GEAR T start stop duration TIME :22:15:00 22:30:00 15 (min LOG :7164.40 7165.40 1.00 FDEPTH: 40 7165.40 1.00 FDEPTH: 41 40 Towing dir: 55* Wire out . Sorted: 57 Kg Total catch SPECIES Sardinella aurita Chloroscombrus chrysurus Trachurus trecae	1.99 1.74 1.06 0.46 0.25 1207.40 XYPE: PT No:2 1207.40 XYPE: PT No:2 Area coc CearCon Validity : 120 m Spe : 568.90 CATCH/I Weight n 1310.00 788.00 764.00	56 2 2 17 2 PRO. 2 POSIT: 3 code: 1 16 code: 1 16 code: 3 code: 3 code: 3 code: 3 code: 4 code: 4 code	0.16 0.14 0.09 0.04 0.02 99.99 JECT STATION ION:Lat N Long W h*10 /HOUR: 22 OF TOT. C 57.57 32.87 3.36	587 588 589 N: 320 1427 1716 75.60 SAMP
Penaeus notialis, female Alectis alexandrinus Pletorhinchus mediterraneus Penaeus kerathurus, male Penaeus kerathurus, female Total DATE:11/11/95 GEAR T start stop duration TIME :22:15:00 22:30:00 15 (min LOG :7164.40 7165.40 1.00 FDEPTH: 5 5 BDEPTH: 5 5 BDEPTH: 4 40 Towing dir: 55° Wire out . Sorted: 57 Kg Total catch SPECIES Sardinella aurita Chloroscombrus chrysurus Trachurus trecae Sphyraena guachancho	1.99 1.74 1.06 0.46 0.25 1207.40 YPE: PT No:: 1207.40 Area coc GearCont Validit; 120 m Spe : 568.90 CATCH/1 weight i 1310.00 748.00	56 2 2 17 2 PRO. 2 POSIT: code: 1 1 code: 1 1 code: 1 2 code: 3 ki cATCH, KOUR % 12400 7004	0.16 0.14 0.09 0.04 0.02 99.99 DECT STATIOI ION:LAL N Long W h*10 /HOUR: 22 0F TOT. C 57.57 32.87	587 588 589 N: 320 1427 1716 75.60 SAMP 591 592
Penaeus notialis, female Alectis alexandrinus Pletorhinchus mediterraneus Penaeus kerathurus, male Penaeus kerathurus, male Total DATE:11/11/95 GEAR T start stop duration TIME :22:15:00 22:30:00 15 (mi: LOG :7164.40 7165.40 1.00 FDEPTH: 41 40 Towing dir: 55* Wire out . Sorted: 57 Kg Total catch SPECIES Sardinella aurita Chloroscombrus chrysurus Trachurus trecae Sphyraena guachancho Decapterus punctatus Scomber japonicus	1.99 1.74 1.06 0.45 1207.40 YPE: PT No:: 1207.40 YPE: PT No:: 1207.40 YPE: PT No:: 120 m Spe - 568.90 CATCH/1 Weight 1 1310.00 748.00 748.00 748.00 24.80 24.80	56 2 2 17 2 PRO. 2 POSIT: code: 1 12 code: 1 12 code: 3 ki cATCH, 40UR 12400 10200 200	0.16 0.14 0.09 0.04 0.02 99.99 JECT STATIOI ION:Lat N Long W VHOUR: 22 OF TOT. C 57.57 32.87 3.36 1.39 1.07	587 588 589 N: 320 1427 1716 75.60 SAMP 591 592 593
Penaeus notialis, female Alectis alexandrinus Pletorhinchus mediterraneus Penaeus kerathurus, male Penaeus kerathurus, female Total DATE:11/11/95 GEAR T start stop duration TIME :22:15:00 22:30:00 15 (min LOG :7164.40 7165.40 1.00 FDEPTH: 5 5 BDEPTH: 41 40 Towing dir: 55* Wire out Sorted: 57 Kg Total catch SPECIES Sardinella aurita Chloroscombrus chrysurus Trachurus trecae Sphyraena guachancho Decapterus punctatus	1.99 1.74 1.06 0.46 0.25 1207.40 YPE: PT No::2 n) Purpose Area coc GearCom Validit; : 120 m Spe : 568.90 CATCH/1 weight 1 1310.00 748.00 76 40 31 60 24 80	56 2 2 17 2 PRO. 2 POSIT: 5 code: 1 1 code: 1 1 code: 3 code: 3 code: 3 code: 3 code: 4 code: 4 code: 1 1 code: 2 code: 1 1 code: 1 code:	0.16 0.14 0.09 0.04 0.02 	587 588 589 N: 320 1427 1716 75.60 SAMP 591 592
Penaeus notialis, female Alectis alexandrinus Pletorhinchus mediterraneus Penaeus kerathurus, male Penaeus kerathurus, female Total DATE:11/11/95 GEAR T start stop duration TIME :22:15:00 22:30:00 15 (min LOC :7164.40 7165.40 1.00 FDEPTH: 5 5 BDEPTH: 5 5 BDEPTH: 41 40 Towing dir: 55° Wire out . Sorted: 57 Kg Total catch SPECIES Sardinella aurita Chloroscombrus chrysurus Trachurus trecae Sphyraena guachancho Decapterus punctatus Scomber japonicus Decapterus rhonchus Pomadasys incisus Sardinella madremensis	1.99 1.74 1.06 0.46 0.25 1207.40 YPE: PT No:: a) Purpose Area coc GearCont Validit; 120 m Spet : 568.90 CATCH/1 weight 1 1310.00 76 40 24 80 24 80 24 40 24 40 18.00 17.60	56 2 2 17 2 PRO. 2 POSIT: code: 1 lee : 1.code: 1 2.code: 1 2.code: 2 code: 2 code: 2 code: 2 12400 12400 1200 2400 1200 2400 1200 2400 1200 2400 1200	0.16 0.14 0.09 0.04 0.02 99.99 JECT STATIOI ION:LAT N Long W h*10 /HOUR: 22' OF TOT. C 57.57 32.87 3.36 1.39 1.07 1.05 0.77	587 588 589 N: 320 1427 1716 75.60 SAMP 591 592 593
Penaeus notialis, female Alectis alexandrinus Pletorhinchus mediterraneus Penaeus kerathurus, male Penaeus kerathurus, female Total DATE:11/11/95 GEAR T start stop duration TIME:22:15:00 22:30:00 15 (mi: LOG :7164.40 7165.40 1.00 FDEPTH: 5 5 BDEPTH: 4 40 Towing dir: 55° Wire out . Sorted: 57 Kg Total catch SPECIES Sardinella aurita Chloroscombrus chrysurus Trachurus trecae Sphyraena guachancho Decapterus punctatus Scomber japonicus Decapterus rhonchus Pomadasys incisus Sardinella madrenesis Penaeus notialis	1.99 1.74 1.06 0.46 0.25 1207.40 YPE: PT No:: Purpose Area coc CearCont Validit; 120 m Spe : 568.90 CATCH/1 weight 1 1310.00 76 40 24 80 76 40 26 80 76 40 26 80 76 40 26 80 76 40 26 80 76 40 26 80 27 80 26 80 27 80 26 80 27 80 26 80 27 80 27 80 26 80 27 80 28 80 2	56 2 2 17 2 2 905IT 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	0.16 0.14 0.09 0.04 0.02 99.99 DECT STATIOI ION:Lat N Long W /HOUR: 22' OF TOT. C 57.57 32.87 3.36 1.39 1.09 1.05 0.77 0.04	587 588 589 N: 320 1427 1716 75.60 SAMP 591 592 593
Penaeus notialis, female Alectis alexandrinus Pletorhinchus mediterraneus Penaeus kerathurus, male Penaeus kerathurus, female Total DATE:11/11/95 GEAR T start stop duration TIME :22:15:00 22:30:00 15 (min LOC :7164.40 7165.40 1.00 FDEPTH: 5 5 BDEPTH: 5 5 BDEPTH: 41 40 Towing dir: 55° Wire out . Sorted: 57 Kg Total catch SPECIES Sardinella aurita Chloroscombrus chrysurus Trachurus trecae Sphyraena guachancho Decapterus punctatus Scomber japonicus Decapterus rhonchus Pomadasys incisus Sardinella madremensis	1.99 1.74 1.06 0.46 0.25 1207.40 YPE: PT No:: a) Purpose Area coc GearCont Validit; 120 m Spet : 568.90 CATCH/1 weight 1 1310.00 76 40 24 80 24 80 24 40 24 40 18.00 17.60	56 2 2 17 2 PRO. 2 POSIT: code: 1 lee : 1.code: 1 2.code: 1 2.code: 2 code: 2 code: 2 code: 2 12400 12400 1200 2400 1200 2400 1200 2400 1200 2400 1200	0.16 0.14 0.09 0.04 0.02 99.99 JECT STATIOI ION:LAT N Long W h*10 /HOUR: 22' OF TOT. C 57.57 32.87 3.36 1.39 1.07 1.05 0.77	587 588 589 N: 320 1427 1716 75.60 SAMP 591 592 593
Penaeus notialis, female Alectis alexandrinus Pletorhinchus mediterraneus Penaeus kerathurus, male Penaeus kerathurus, female Total DATE:11/11/95 GEAR T start stop duration TIME:22:15:00 22:30:00 15 (mi: LOG :7164.40 7165.40 1.00 FDEPTH: 5 5 BDEPTH: 4 40 Towing dir: 55° Wire out . Sorted: 57 Kg Total catch SPECIES Sardinella aurita Chloroscombrus chrysurus Trachurus trecae Sphyraena guachancho Decapterus punctatus Scomber japonicus Decapterus rhonchus Pomadasys incisus Sardinella madrenesis Penaeus notialis	1.99 1.74 1.06 0.46 0.25 1207.40 YPE: PT No:: Purpose Area coc CearCont Validit; 120 m Spe : 568.90 CATCH/1 weight 1 1310.00 76 40 24 80 76 40 26 80 76 40 26 80 76 40 26 80 76 40 26 80 76 40 26 80 27 80 26 80 27 80 26 80 27 80 26 80 27 80 27 80 26 80 27 80 28 80 2	56 2 2 17 2 PRO. 2 POSIT: code: 1 lee : 1.code: 1 2.code: 1 2.code: 2 code: 2 code: 2 code: 2 12400 12400 1200 2400 1200 2400 1200 2400 1200 2400 1200	0.16 0.14 0.09 0.04 0.02 99.99 DECT STATIOI ION:Lat N Long W /HOUR: 22' OF TOT. C 57.57 32.87 3.36 1.39 1.09 1.05 0.77 0.04	587 588 589 N: 320 1427 1716 75.60 SAMP 591 592 593
Penaeus notialis, female Alectis alexandrinus Pletorhinchus mediterraneus Penaeus kerathurus, male Penaeus kerathurus, female Total DATE:11/11/95 GEAR T start stop duration TIME:22:15:00 22:30:00 15 (mi: LOG :7164.40 7165.40 1.00 FDEPTH: 5 5 BDEPTH: 4 40 Towing dir: 55° Wire out . Sorted: 57 Kg Total catch SPECIES Sardinella aurita Chloroscombrus chrysurus Trachurus trecae Sphyraena guachancho Decapterus punctatus Scomber japonicus Decapterus rhonchus Pomadasys incisus Sardinella madrenesis Penaeus notialis	1.99 1.74 1.06 0.46 0.25 1207.40 YPE: PT No:: Purpose Area coc CearCont Validit; 120 m Spe : 568.90 CATCH/1 weight 1 1310.00 76 40 24 80 76 40 26 80 76 40 26 80 76 40 26 80 76 40 26 80 76 40 26 80 27 80 26 80 27 80 26 80 27 80 26 80 27 80 27 80 26 80 27 80 28 80 2	56 2 2 7 2 2 2 7 2 2 2 2 7 2 2 2 0 2 2 0 2 1 2 0 2 1 2 0 2 1 2 0 2 1 2 1	0.16 0.14 0.09 0.04 0.02 	587 588 589 1427 1716 75.60 594 592 593
Penaeus notialis, female Alectis alexandrinus Pletorhinchus mediterraneus Penaeus kerathurus, male Penaeus kerathurus, female Total DATE:11/11/95 GEAR T start stop duration TIME:22:15:00 22:30:00 15 (mi: LOG :7164.40 7165.40 1.00 FDEPTH: 5 5 BDEPTH: 41 40 Towing dir: 55° Wire out . Sorted: 57 Kg Total catch SPECIES Sardinella aurita Chloroscombrus chrysurus Trachurus trecae Sphyraena guachancho Decapterus punctatus Scomber japonicus Decapterus pinctatus Sardinella madrenensis Penaeus notialis Total DATE:11/11/95 GEAR T	1.99 1.74 1.06 0.46 0.25 1207.40 YPE: PT No:: Purpose Area coc CearCont Validit; 120 m Spe : 568.90 CATCH/1 weight 1 1310.00 76 40 24 80 76 40 26 80 76 40 26 80 76 40 26 80 76 40 26 80 76 40 26 80 27 80 26 80 27 80 26 80 27 80 26 80 27 80 27 80 26 80 27 80 28 80 2	56 2 2 17 2 PRO. 2 POSIT: code: 1 12 i.code: 1 12 i.code: 1 12 i.code: 1 2 i.code: 1 1 2 i.code: 2 i.code: 1 1 2 i.code: 1 1 2 i.code: 2 i.code: 1 1 2 i.code: 2 i.code:	0.16 0.14 0.09 0.04 0.02 	587 588 589 1427 1716 75.60 591 592 593 594
Penaeus notialis, female Alectis alexandrinus Pletorhinchus mediterraneus Penaeus kerathurus, male Penaeus kerathurus, female Total DATE:11/11/95 GEAR T start stop duration TIME :22:15:00 22:30:00 15 (min LOG :7164.40 7165.40 1.00 FDEPTH: 5 5 BDEPTH: 41 40 Towing dir: 55* Wire out . Sorted: 57 Kg Total catch SPECIES Sardinella aurita Chloroscombrus chrysurus Trachurus trecae Sphyraena guachancho Decapterus rhonchus Penaeus notialis Total DATE:11/11/95 GEAR T start stop duration	1.99 1.74 1.74 1.06 0.46 0.25 1207.40 YPE: PT No:: 1207.40 YPE: PT No:: 120 m Speter CATCH/1 Weight n 1310.00 748.00 1316.00 748.00 148.00 160 160 17.60 0.80 2275.60 YPE: PT No:	56 2 2 117 2 PRO. 2 POSIT: code: 1 1: code: 1 1: code: 3 1: code: 3 1: code: 3 1: code: 3 1: code: 4 1: code: 4 2: code: 4 1: code: 4 1: code: 4 2: code: 4 1: code: 4 1: code: 4 1: code: 4 2: code: 4 1: code: 4 1: code: 4 1: code: 4 2: code: 4 1: code: 4 1: code: 4 2: code: 4 1: code: 4 2: code: 4 1: code: 4 2: code: 4 1: code: 4 1: code: 4 1: code: 4 1: code: 4 1: code:	0.16 0.14 0.03 0.04 0.02 	587 588 589 1427 1716 75.60 591 592 593 594
Penaeus notialis, female Alectis alexandrinus Pletorhinchus mediterraneus Penaeus kerathurus, male Penaeus kerathurus, female Total DATE:11/11/95 GEAR T Start stop duration TIME :22:15:00 22:30:00 15 (mi LOG :7164.40 7165.40 1.00 FDEPTH: 5 5 BDEPTH: 41 40 Towing dir: 55° Wire out Sorted: 57 Kg Total catch SPECIES Sardinella aurita Chloroscombrus chrysurus Trachurus trecae Sphyraena guachancho Decapterus pinctatus Scomber japonicus Decapterus nonchus Penaeus notialis Total DATE:11/11/95 GEAR T start stop duration TIME :02:00:00 03:00:00 60 (mi LOG :7195.60 7199.60 3.00	1.99 1.74 1.74 1.06 0.46 0.25 1207.40 YPE: PT No:: 1207.40 YPE: PT No:: 120 m Speter CATCH/1 Weight 1 1310.00 768.00 7640 1310.00 788.00 7640 1310.00 788.00 7640 1310.00 788.00 7640 1310.00 788.00 7640 1310.00 788.00 7640 1400 1800 78.00 79.00 78.00 78.00 78.00 78.00 78.00 78.00 79.00 70.	56 2 2 117 2 PRO. 2 POSIT: code: 1 1 code: 1 1 code: 1 1 code: 3 ki code: 3 ki code: 4 12400 7400 1080 2400 1200 2400 1200 2400 2400 2400 240	0.16 0.14 0.03 0.04 0.02 	587 588 589 1427 1716 75.60 591 592 593 594
Penaeus notialis, female Alectis alexandrinus Pletorhinchus mediterraneus Penaeus kerathurus, female Total DATE:11/11/95 GEAR T Start stop duration TIME :22:15:00 22:30:00 15 (mi) LOG :7164.40 7165.40 1.00 FDEPTH: 5 5 BDEPTH: 41 40 Towing dir: 55° Wire out . Sorted: 57 Kg Total catch SPECIES Sardinella aurita Chloroscombrus chrysurus Trachurus trecae Sphyraena guachancho Decapterus pinctatus Scomber japonicus Decapterus rhonchus Penaeus notialis Total DATE:11/11/95 GEAR T start stop duration TIME :22:00:00 03:00:00 60.00	1.99 1.74 1.06 0.46 0.25 1207.40 YPE: PT No:: 1207.40 YPE: PT No:: 120 m Spectrometric CATCH/1 Weight 1 1310.00 768.00 778.00 789.00 780.00 7	56 2 2 7 7 2 PRO. 2 POSIT: code: 1 lec : 1 code: 1 lec : 1 code: 3 ki code: 3 ki code: 4 2400 7400 1200 2400 24	0.16 0.14 0.09 0.04 0.02 	587 588 589 1427 1716 75.60 591 592 593 594
Penaeus notialis, female Alectis alexandrinus Pletothinchus mediterraneus Penaeus kerathurus, male Penaeus kerathurus, female Total DATE:11/11/95 GEAR T Start stop duration TIME :22:15:00 22:30:00 15 (min LOC :7164.40 7165.40 1.00 FDEPTH: 5 5 BDEPTH: 5 5 BDEPTH: 41 40 Towing dir: 55° Wire out . Sorted: 57 Kg Total catch SPECIES Sardinella aurita Chloroscombrus chrysurus Trachurus trecae Sphyraena guachancho Decapterus punctatus Scomber japonicus Decapterus punctatus Scatiella madrensis Penaeus notialis Total DATE:11/11/95 GEAR T Start stop duration TIME :02:00:00 03:00:00 60 (mi LOC :7196.60 7199.60 3.00 FDEPTH: 32 39 BDEPTH: 32 39	1.99 1.74 1.06 0.46 0.25 1207.40 YPE: PT No:: n) Purpose Area coo CearCont validity : 120 m Spe : 568.90 CATCH/1 weight 1 1310.00 7640 3160 24.80 7640 1360 24.80 7640 24.00 13.00 7640 2275.60 YPE: PT No: n) Purpose Area coo GearCont	56 2 2 7 7 2 PRO. 2 POSIT: code: 1 lec : 1 code: 1 lec : 1 code: 3 ki code: 3 ki code: 4 2400 7400 1200 2400 1200 12	0.16 0.14 0.09 0.04 0.02 	587 588 589 1427 1716 75.60 591 592 593 594
Penaeus notialis, female Alectis alexandrinus Pletorhinchus mediterraneus Penaeus kerathurus, female Total DATE:11/11/95 GEAR T Start stop duration TIME :22:15:00 22:30:00 15 (mi) LOG :7164.40 7165.40 1.00 FDEPTH: 5 5 BDEPTH: 41 40 Towing dir: 55° Wire out . Sorted: 57 Kg Total catch SPECIES Sardinella aurita Chloroscombrus chrysurus Trachurus trecae Sphyraena guachancho Decapterus pinctatus Scomber japonicus Decapterus rhonchus Penaeus notialis Total DATE:11/11/95 GEAR T start stop duration TIME :22:00:00 03:00:00 60.00	1.99 1.74 1.74 1.06 0.46 0.25 1207.40 YPE: PT No:: 120 m Speter Area conc CearConto Validity 568.90 CATCH/1 weight i 1310.00 7640 24.80 7640 18.00 7640 18.00 7640 24.80 24.40 24.40 24.40 24.40 24.60 18.00 7640 18.00 7640 18.00 7640 18.00 7640 18.00 7640 24.60 24.60 24.60 24.60 24.60 24.60 24.60 24.60 24.60 18.00 7640 18.00 7640 19.00 19.00 19.00 19.00 10.00	56 2 2 7 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	0.16 0.14 0.09 0.04 0.02 	587 588 589 1427 1716 75.60 591 592 593 594
Penaeus notialis, female Alectis alexandrinus Pletorhinchus mediterraneus Penaeus kerathurus, male Penaeus kerathurus, male Total DATE:11/11/95 GEAR T start stop duration TIME :22:15:00 22:30:00 15 (min LOG :7164.40 7165.40 1.00 FDEPTH: 41 40 Towing dir: 55* Wire out . Sorted: 57 Kg Total catch SPECIES Sardinella aurita Chloroscombrus chrysurus Trachurus trecae Sphyraena guachancho Decapterus punctatus Scomber japonicus Penaeus notialis Penaeus notialis Total DATE:11/11/95 GEAR T start stop duration TIME :02:00:00 03:00:00 60 (mi LOG :7196.60 7199.60 3.00 FDEPTH: 32 39 DEDETH: 32 39 Towing dir: 177* Wire out Sorted: 32 Kg Total catch	1.99 1.74 1.06 0.46 0.25 1207.40 YPE: PT No:: 1207.40 YPE: PT No:: 120 m Speter CATCH/1 Weight 1 1310.00 748.00 76.40 1310.00 748.00 76.40 1310.00 748.00 76.40 1310.00 78.000 78.000 78.000	56 2 2 17 2 PRO. 2 POSIT: code: 1 1 code: 1 1 code: 1 1 code: 3 1 code: 3 1 code: 4 1 2 400 2 2 400 2 2 400 2 2 400 2 2 400 2 2 400 2 2 400 2 2 400 2 2 400 2 2 400 2 2 400 2 2 400 2 2 400 2 2 2 2	0.16 0.14 0.09 0.04 0.02 	587 588 589 1427 1716 75.60 591 593 594 N: 321 1437 1721
Penaeus notialis, female Alectis alexandrinus Pletothinchus mediterraneus Penaeus kerathurus, female Total DATE:11/11/95 GEAR T start stop duration TIME :22:15:00 22:30:00 15 (min LOG :7164.40 7165.40 1.00 FDEPTH: 5 5 BDEPTH: 41 40 Towing dir: 55° Wire out . Sorted: 57 Kg Total catch SPECIES Sardinella aurita Chloroscombrus chrysurus Trachurus trecae Sphyraena guachancho Decapterus punctatus Scomber japonicus Decapterus rhonchus Pomadasys incisus Sardinella madrenensis Penaeus notialis Total DATE:11/11/95 GEAR T start stop duration TIME :02:00:00 03:00:00 60 (mi LOG :7196.60 7199.60 3.00 FDEPTH: 32 39 BDEPTH: 32 39 BDEPTH: 32 39 Towing dir: 177° Wire out	1.99 1.74 1.06 0.46 0.25 1207.40 YPE: PT No:: 120 m Spe 2275.60 YPE: PT No: 1310.00 76 40 1310.00 76 40 13160 24.80 76 40 1360 76 40 17.60 17.60 2275.60 YPE: PT No: m) Purpose Area coo CATCH/I Weight m 1310.00 76 40 17.60 17	56 2 2 17 2 PRO. 2 POSIT: code: 1 1 code: 1 1 code: 1 1 code: 3 1 code: 3 1 code: 4 1 2 400 2 2 400 2 2 400 2 2 400 2 2 400 2 2 400 2 2 400 2 2 400 2 2 400 2 2 400 2 2 400 2 2 400 2 2 400 2 2 2 2	0.16 0.14 0.09 0.04 0.02 	587 588 589 1427 1716 75.60 594 591 593 594 N: 321 1437 1721
Penaeus notialis, female Alectis alexandrinus Pletorhinchus mediterraneus Penaeus kerathurus, male Penaeus kerathurus, female Total DATE:11/11/95 GEAR T start stop duration TIME:22:15:00 22:30:00 15 (mit LOG :7164.40 7165.40 1.00 FDEPTH: 5 5 BDEPTH: 41 40 Towing dir: 55° Wire out . Sorted: 57 Kg Total catch SPECIES Sardinella aurita Chloroscombrus chrysurus Trachurus trecae Sphyraena guachancho Decapterus punctatus Scomber japonicus Decapterus honchus Pomadasys incisus Sardinella maderensis Penaeus notialis Total DATE:11/11/95 GEAR T start stop duration TIME:02:00:00 03:00:00 60 (mi LOG :7196.60 7199.60 3.00 FDEPTH: 32 39 DDEPTH: 32 39 Towing dir: 177° Wire out Sorted: 32 Kg Total catch SPECIES	1.99 1.74 1.06 0.46 0.25 1207.40 YPE: PT No:: 120 m Spe 2275.60 YPE: PT No: 1310.00 76 40 1310.00 76 40 24 80 76 40 24 80 76 40 2275.60 YPE: PT No: m) Purpose Area coo CATCH/I Weight 1 150 m Spe : 94.65 CATCH/I Weight 1 57.30	56 2 2 17 7 2 PRO. 2 POSIT code: 1 ie: 1 i.code: 1 ie: 1 i.code: 3 i.code: 3 i.code: 1 240 120 200 480 120 200 480 120 200 200 200 200 200 120 200 120 200 120 200 120 200 120 200 120 200 20	0.16 0.14 0.09 0.04 0.02 99.99 JECT STATIOI ION:Lat N Long W /HOUR: 22' OF TOT. C 57.57 32.87 3.36 1.39 1.09 1.07 0.77 0.04 100.00 JECT STATIO ION:Lat N Long W n*10 /HOUR: OF TOT. C 60.54	587 588 589 1427 1716 75.60 591 593 594 N: 321 1437 1721
Penaeus notialis, female Alectis alexandrinus Pletorhinchus mediterraneus Penaeus kerathurus, male Penaeus kerathurus, female Total DATE:11/11/95 GEAR T start stop duration TIME :22:15:00 22:30:00 15 (min LOG :7164.40 7165.40 1.00 FDEPTH: 41 40 Towing dir: 55* Wire out . Sorted: 57 Kg Total catch SPECIES Sardinella aurita Chloroscombrus chrysurus Trachurus trecae Sphyraena guachancho Decapterus punctatus Scomber japonicus Decapterus honchus Pomadasys incisus Sardinella maderensis Penaeus notialis Total DATE:11/11/95 GEAR T start stop duration TIME :02:00:00 03:00:00 60 (mi LOG :7196.60 7199.60 3.00 FDEPTH: 32 39 DEDETH: 32 39 Towing dir: 177* Wire out Sorted: 32 Kg Total catch SPECIES Caranx crysos Chloroscombrus chrysurus Sardinella aurita	1.99 1.74 1.74 1.06 0.45 0.25 1207.40 YPE: PT No:: 120 m Spe - S68.90 CATCH/1 weight 1 1310.00 748.00 74.80 76.40 76.40 74.80 24.80 24.80 24.80 0.80 2275.60 YPE: PT No:: n) Purpose Area conc CATCH/1 weight 1 57.30 19.35 5.91	56 2 2 17 7 2 PRO. 2 POSIT code: 1 1 2 4 CATCH, 12400 200 200 200 200 200 200 200 200 200	0.16 0.14 0.09 0.04 0.02 99.99 JECT STATIOI ION:Lat N Long W /HOUR: 22 OF TOT. C 57.57 32.87 3.36 1.39 1.07 1.05 0.77 0.04 100.00 JECT STATIO ION:Lat N Long W h*10 /HOUR: OF TOT. C 60.54 20.44 6.24	587 588 589 1427 1716 75.60 591 593 594 N: 321 1437 1721
Peneeus notialis, female Alectis alexandrinus Pletothinchus mediterraneus Penaeus kerathurus, male Penaeus kerathurus, female Total DATE:11/11/95 GEAR T start stop duration TIME:22:15:00 22:30:00 15 (min LOG :7164.40 7165.40 1.00 FDEPTH: 5 5 BDEPTH: 41 40 Towing dir: 55° Wire out . Sorted: 57 Kg Total catch SPECIES Sardinella aurita Chloroscombrus chrysurus Trachurus trecae Sphyraena guachancho Decapterus punctatus Scomber japonicus Decapterus rhonchus Pomadasys incisus Sardinella madrensis Penaeus notialis Total DATE:11/11/95 GEAR T start stop duration TIME:02:00:00 30:00:00 60 (min LOG :7196.60 7199.60 3.00 FDEPTH: 32 39 DEDETH: 32 39 Towing dir: 177° Wire out Sorted: 32 Kg Total catch SPECIES	1.99 1.74 1.06 0.46 0.25 1207.40 YPE: PT No:: 120 m Speter Area conc CearConton Validity 568.90 CATCH/1 weight 1 1310.00 76 40 1310.00 76 40 13 800 76 40 24 80 24 80 13 800 76 40 24 80 24 80 25 5.60 20 75.60 20 75.80 20 7	56 2 2 7 7 2 PRO. 2 POSIT: code: 1 1 code: 1 1 code: 3 2 400 2 400 1 2 400 2 400 1 2 4 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	0.16 0.14 0.09 0.04 0.02 	587 588 589 1427 1716 75.60 591 593 594 894.65 594
Penaeus notialis, female Alectis alexandrinus Pletothinchus mediterraneus Penaeus kerathurus, male Penaeus kerathurus, female Total DATE:11/11/95 GEAR T start stop duration TIME :22:15:00 22:30:00 15 (min LOG :7164.40 7165.40 1.00 FDEPTH: 5 5 BDEPTH: 41 40 Towing dir: 55° Wire out . Sorted: 57 Kg Total catch SPECIES Sardinella aurita Chloroscombrus chrysurus Trachurus trecae Sphyraena guachancho Decapterus punctatus Scomber japonicus Decapterus honchus Pomadasys incisus Sardinella maderensis Penaeus notialis Total DATE:11/11/95 GEAR T start stop duration TIME :02:00:00 03:00:00 60 (mi LOG :7196.60 7199.60 3.00 FDEPTH: 32 39 BDEPTH: 32 39 Towing dir: 177° Wire out Sorted: 32 Kg Total catch SPECIES	1.99 1.74 1.06 0.46 0.25 1207.40 YPE: PT No:: 120 m Speter Area cod CearCond Validity 568.90 CATCH/1 weight 1 1310.00 768.00 769.00 799.00 7	56 2 2 177 2 PRO. 2 POSIT: code: 1 1 2.code: 1 1 2.code: 3 ki 2.code: 1 2.code: 1 2.code: 1 2.code: 1 2.code: 1 3.code: 2 4 PRO. 7 POSIT code: 3 ki 2.code: 3 2.code: 3 2.code: 1 3.code: 3 2.code: 1 3.code: 2 4 CATCH, 120 20 20 20 20 20 20 20 20 20 20 20 20 2	0.16 0.14 0.09 0.04 0.02 	587 588 589 1427 1716 75.60 SAMP 591 593 594 894.65 SAMP
Penaeus notialis, female Alectis alexandrinus Pletorhinchus mediterraneus Penaeus kerathurus, male Penaeus kerathurus, female Total DATE:11/11/95 GEAR T start stop duration TIME :22:15:00 22:30:00 15 (min LOG :71.64.40 7165.40 1.00 FDEPTH: 51 BDEPTH: 41 40 Towing dir: 55* Wire out . Sorted: 57 Kg Total catch SPECIES Sardinella aurita Chloroscombrus chrysurus Trachurus trecae Sphyraena guachancho Decapterus punctatus Scomber japonicus Penaeus notialis Total DATE:11/11/95 GEAR T start stop duration TIME :02:00:00 03:00:00 60 (mi LOG :7195.60 3.00 FDEPTH: 32 39 BDEPTH: 32 39 Towing dir: 177* Wire out Sorted: 32 Kg Total catch SPECIES Caranx crysos Chloroscombrus chrysurus Sardinella aurita Brachydeuterus auritus Sardinella madrensis	1.99 1.74 1.06 0.46 0.25 1207.40 YPE: PT No:: n) Purpose Area coc GearComt validity : 568.90 CATCH/1 weight 1 1310.00 748.00 748.00 748.00 748.00 748.00 1316.00 24.40 24.40 24.40 24.80 0.80 2275.60 YPE: PT No: n) Purpose Area coc GearComt validity : 94.65 57.30 19.35 5.91 5.82 3.81	56 2 2 17 7 2 PRO. 2 POSIT code: 1 1 1 2 400 2 40 1120 2 40 1120 2 40 1120 2 40 1120 2 40 1240 12	0.16 0.14 0.09 0.04 0.02 	587 588 589 1427 1716 75.60 591 593 594 894.65 594
Peneeus notialis, female Alectis alexandrinus Peneeus kerathurus, male Peneeus kerathurus, female Total DATE:11/11/95 GEAR T Start stop duration TIME :22:15:00 22:30:00 15 (min LOG :7164.40 7165.40 1.00 FDEPTH: 5 5 BDEPTH: 41 40 Towing dir: 55° Wire out . Sorted: 57 Kg Total catch SPECIES Sardinella aurita Chloroscombrus chrysurus Trachurus trecae Sphyraena guachancho Decapterus punctatus Scomber japonicus Decapterus punctatus Sardinella madrensis Penaeus notialis Total DATE:11/11/95 GEAR T start stop duration TIME :02:00:00 30:00:00 60 (mi LOG :7196.60 7199.60 3.00 FDEPTH: 32 39 DDETH: 32 39 Towing dir: 177° Wire out Sorted: 32 Kg Total catch SPECIES	1.99 1.74 1.74 1.06 0.46 0.25 1207.40 YPE: PT No:: 120 m Spectrometric State Area concentric Concentric State Area concentric State (Validit) 5 568.90 CATCH/1 Weight 1 1310.00 748.00 76 40 24 40 24 40 24 40 24 40 18.00 76 40 24 40 24 40 24 40 24 40 18.00 76 40 24 65 2275.60 YPE: PT No: 150 m Spectrometric State Area concentric State Area concentric State (CATCH/1) Weight 1 57.30 19.35 5.91 5.82 3.81 1.02 0.78 0.27 0.21	56 2 2 2 2 2 2 2 2 2 2 2 2 2	0.16 0.14 0.09 0.04 0.02 	587 588 589 1427 1716 75.60 591 593 594 894.65 594
Peneeus notialis, female Alectis alexandrinus Pletorhinchus mediterraneus Penaeus kerathurus, male Penaeus kerathurus, female Total DATE:11/11/95 GEAR T start stop duration TIME :22:15:00 22:30:00 15 (mit) LOG :7164.40 7165.40 1.00 FDEPTH: 5 5 BDEPTH: 41 40 Towing dir: 55° Wire out . Sorted: 57 Kg Total catch SPECIES Sardinella aurita Chloroscombrus chrysurus Trachurus trecae Sphyraena guachancho Decapterus punctatus Scomber japonicus Decapterus pinctatus Scadinella maderensis Penaeus notialis Total DATE:11/11/95 GEAR T start stop duration TIME :02:00:00 03:00:00 60 (mi LOG :7196.60 7199.60 3.00 FDEPTH: 32 39 EDEPTH: 32 39 EDEPTH: 32 39 Towing dir: 177° Wire out Sorted: 32 Kg Total catch SPECIES Caranx crysos Chloroscombrus chrysurus Sardinella aurita Brachydeuterus auritus Sardinella maderensis Sardinella aurita Brachydeuterus auritus Sardinella aurita Brachydeuterus auritus Sardinella maderensis Sardinella aurita Brachydeuterus auritus Sardinella maderensis Sardinella aurita Brachydeuterus auritus Sardinella aurita Fistularia petimba	1.99 1.74 1.06 0.46 0.25 1207.40 YPE: PT No:: 120 m Spe Area cod CearCond validity : 120 m Spe : 568.90 CATCH// weight 1 1310.00 76 40 1310.00 76 40 24 80 76 40 13 60 24 80 76 40 13 60 24 80 76 40 13 60 24 80 76 40 13 60 24 80 76 40 17 60 17 60 18 00 17 60 19 80 19 85 10 94 10 93 19 35 5 91 10 02 0 77 10 00 19 35 5 91 10 02 0 77 0 27 0 20 0	56 2 2 177 2 PRO. 2 POSIT code: 1 ide : 1 i.code: 1 ide : 1 i.code: 3 2 000 2 00 2 00 2 00 2 00 2 00 2 00 2 00 2 00 2 00 2 00 2 0 0 0 2 0 0 0 2 0 0 0 0 0 2 0	0.16 0.14 0.09 0.04 0.02 	587 588 589 1427 1716 75.60 591 593 594 894.65 594

100.00

94.65

Total

PROJECT STATION: 322           DATE:13/11/95         GEAR TYPE: PT No:7 POSITION: 324 N 1430           start stop duration         Long W 1717           TIME 10:10:00 3:02:00 52 (min) Purpose code: 1           LOG ::422.70 7425.50 2.80         Area code :           FDEPTH: 10         GearCond.code:           BDEPTH: 11         GearCond.code:           Towing dir: * Wire out: 150 m Speed: 30 kn*10           Sorted: 43 Kg         Total catch: 43.15         CATCH/HOUR: 49.79           SPECIES         CATCH/HOUR % OF TOT. C SAMP           Sardinella aurita         38.42         20         7.16         59           Sardinella aurita         38.42         20         7.16         59           Secapterus rhonchus         2.12         30         4.26         600           Pomadasys incisus         0.87         7         7         7           SPECIES         CATCH/HOUR <td colspan<="" th=""><th></th><th>550 TECH CM</th><th>TON. 300</th></td>	<th></th> <th>550 TECH CM</th> <th>TON. 300</th>		550 TECH CM	TON. 300
start         stop         duration         Long         W         1717           TIME         10211:000052         (min)         Purpose code:         1           LOG         :7422.70         7425.50         2.80         Area code :            FDEPTH:         10         10         GearCond.code:             BDEPTH:         11         36         Validity code:              Towing dir:         * Wire out:         150 m         Speed:         30 kn*10             Sorted:         43 Kg         Total catch:         43.15         CATCH/HOUR:         49.79           SPECIES         CATCH/HOUR         & OF TOT. C         SAMP           sardinella aurita         38.42         220         77.16         597           Sardinella maderensis         6.81         55         13.66         598           Decapterus rhonchus         2.12         30         4.26         600           Pomadasys incisus         0.87         7         1.75         59byraena guachancho         0.54         5         1.08           Decapterus punctatus         0.45         20         0.90         591	D3000-13/11/05 CD3D 00			
TIME: 02:10:00       03:02:00       52       (min)       Purpose code: 1         LOG: 7422.70       7425.50       2.80       Area code :       FDEPTH: 10       10         FDEPTH:       10       10       GearCond.code:       BDEPTH: 41       36       Validity code:         Towing dir:       * Wire out: 150 m Speed: 30 kn*10       Sorted: 43 Kg       Total catch: 43.15       CATCH/HOUR: 49.79         SPECIES       CATCH/HOUR & OF TOT. C       SAMP         sardinella aurita       38.42       220       77.16         Sardinella maderensis       6.81       55       13.68       598         Decapterus rhonchus       2.12       30       4.26       600         Pomadasys incisus       0.87       7       1.75         Sphyraena guachancho       0.54       5       1.08         Decapterus punctatus       0.45       20       0.90				
LOG         : : : : : : : : : : : : : : : : : : :			; W 1717	
FDEPTH:       10       10       GearCond.code:         BDEPTH:       41       36       Validity code:         Towing dir:       * Wire out:       150 m Speed:       30 kn*10         Sorted:       43 Kg       Total catch:       43.15       CATCH/HOUR:       49.79         SPECIES       CATCH/HOUR       4 OF TOT. C       SAMP         sardinella aurita       38.42       20       77.16       597         Sardinella maderensis       6.81       55       13.68       598         Pecapterus rhonchus       2.12       30       4.26       600         Pomadasys incisus       0.87       7       1.75       Sphyraena guachancho       0.54       5       1.08         Decapterus punctatus       0.45       20       0.90       5ardinella aurita       0.30       36       0.60       599		<ol> <li>Purpose code: 1</li> </ol>		
BDEPTH:     41     36     Validity code: Towing dir:       *     *     Wire out:     150 m     Speed:     30 kn*10       Sorted:     43 Kg     Total catch:     43.15     CATCH/HOUR:     49.79       SPECIES     CATCH/HOUR     4 OF TOT. C     SAMP       sardinella aurita     38.42     220     77.16     597       Sardinella maderensis     6.81     55     13.68     600       Pomadasys incisus     0.87     7     1.75       Sphyraena guachancho     0.54     5     1.08       Decapterus punctatus     0.45     20     0.90	LOG :7422.70 7425.50 2.80	Area code :		
Towing dir:         * Wire out:         150 m         Speed:         30 kn*10           Sorted:         43 Kg         Total catch:         43.15         CATCH/HOUR:         49.79           SPECIES         CATCH/HOUR         4 OF TOT. C         SAMP           sardinella aurita         38.42         220         77.16         597           Sardinella madrensis         6.81         55         13.68         558           Decapterus rhonchus         2.12         30         4.26         600           Pomadasys incisus         0.87         7         1.75           Sardinella aurita         0.45         20         0.90           Sardinella aurita         0.43         0.30         36         0.60	FDEPTH: 10 10	GearCond.code:		
Towing dir:         * Wire out:         150 m         speed:         30 kn*10           Sorted:         43 Kg         Total catch:         43.15         CATCH/HOUR:         49.79           SPECIES         CATCH/HOUR         % OF TOT. C         SAMP           sardinella aurita         38.42         220         77.16         597           Sardinella madrensis         6.81         55         13.68         598           Decapterus rhonchus         2.12         30         4.26         600           Pomadasys incisus         0.87         7         1.75           Sphyraena guachancho         0.54         5         1.08           Decapterus punctatus         0.45         20         0.90	BDEPTH: 41 36	Validity code:		
SPECIES     CATCH/HOUR     % OF TOT. C     SAMP       Sardinella aurita     38.42     220     77.16     597       Sardinella maderensis     6.81     55     13.68     598       Decapterus rhonchus     2.12     30     4.26     600       Pomadasys incisus     0.87     7     1.75       Sphyraena guachancho     0.54     5     1.08       Decapterus punctatus     0.43     20     0.90	Towing dir: • Wire out:			
weight         numbers           sardinella aurita         38.42         220         77.16         597           Sardinella maderensis         6.81         55         13.68         598           Decapterus rhonchus         2.12         30         4.26         600           Pomadasys incisus         0.87         7         1.75           Sphyraena guachancho         0.54         5         1.08           Decapterus punctatus         0.45         20         0.90	Sorted: 43 Kg Total catch:	43.15 CATCH/HOUR:	49.79	
Sardinella aurita         38.42         220         77.16         597           Sardinella maderensis         6.81         55         13.68         598           Decapterus rhonchus         2.12         30         4.26         600           Pomadasys incisus         0.87         7         1.75           Sphyraena guachancho         0.54         5         1.08           Decapterus punctatus         0.45         20         0.90           Sardinella aurita         0.30         36         0.60         599	SPECIES		C SAMP	
Sardinella maderensis         6.81         55         13.68         598           Decapterus rhonchus         2.12         30         4.26         600           Pomadasys incisus         0.87         7         1.75           Sphyraena guachancho         0.54         5         1.08           Decapterus punctatus         0.45         20         0.90           Sardinella aurita         0.30         36         0.60         599				
Decapterus rhonchus         2.12         30         4.26         600           Pomadasys incisus         0.87         7         1.75           Sphyraena guachancho         0.54         5         1.08           Decapterus punctatus         0.45         20         0.90           Sardinella aurita         0.30         36         0.60         599	Sardinella aurita	38.42 220 77.1	.6 597	
Pomadasys incisus         0.87         7         1.75           Sphyraena guachancho         0.54         5         1.08           Decapterus punctatus         0.45         20         0.90           sardinella aurita         0.30         36         0.60         599	Sardinella maderensis	6.81 55 13.6	8 598	
Pomadasys incisus         0.87         7         1.75           Sphyraena guachancho         0.54         5         1.08           Decapterus punctatus         0.45         20         0.90           sardinella aurita         0.30         36         0.60         599	Decapterus rhonchus	2.12 30 4.2	6 600	
Sphyraena guachancho         0.54         5         1.08           Decapterus punctatus         0.45         20         0.90           Sardinella aurita         0.30         36         0.60         599		0.87 7 1.7	5	
Decapterus punctatus         0.45         20         0.90           Sardinella aurita         0.30         36         0.60         599				
Sardinella aurita 0.30 36 0.60 599			-	
	Brachydeuterus auritus			
Pseudupeneus prayensis 0.01 1 0.02	Pseudupeneus prayensis	0.01 1 0.0	2	

Total

49.79

99.99

Total

		CT STATION: 323
DIMD: 14 (11 (05		
	YPE: BT No: POSITIC	
start stop duration		Long W 1704
	n) Purpose code: 1	
LOG :7516.40 7517.70 1.30	Area code :	
FDEPTH: 48 41	GearCond.code:	
BDEPTH: 48 41	Validity code:	
Towing dir: 200° Wire out	: 150 m Speed: 30 kn*	10
Sorted: 58 Kg Total catch	: 2495.29 CATCH/H	OUR: 4990.58
SPECIES		F TOT. C SAMP
Trachurus trecae	weight numbers	
110000100 0100000	2841.44 33024	56.94 601
Brachydeuterus auritus	812.70 6364	16.28
Pomadasys incisus	511.70 2924	10.25
Pagellus bellottii	472.14 6020	9.46
Boops boops	166.84 4128	3.34
Trichiurus lepturus	56.76 1204	1.14
Loligo vulgaris	41.28 344	0.83
Pomadasys peroteti	25.80 86	0.52
Chelidonichthys gabonensis	22.36 344	0.45
Pseudupeneus prayensis	21.50 430	0.43
Bothus podas africanus	6.02 86	0.12
Sphoeroides spengleri	5.16 86	0.10
Sphyraena guachancho	4.30 86	0.09
Citharus linguatula	2.58 86	0.05
Total -	4990.58	100.00

PROJECT STATION: 324
YPE: PT No:2 POSITION:Lat N 1507
Long W 1702
n) Purpose code: 1
Area code :
GearCond.code:
Validity code:
: 120 m Speed: 30 kn*10
a: 910.20 CATCH/HOUR: 1213.60
CATCH/HOUR % OF TOT. C SAMP
weight numbers
650.00 5495 53.56
i

	weight	numbers		
Brachydeuterus auritus	650.00	5495	53.56	
Trachurus trecae	176.00	4793	14.50	602
Trichiurus lepturus	140.00	2000	11.54	
Sardinella maderensis	90.00	6055	7.42	603
Sphyraena guachancho	86.00	520	7.09	
Chloroscombrus chrysurus	33.40	1660	2.75	604
Selene dorsalis	31.20	580	2.57	
Alloteuthis africana	2.40	1000	0.20	
Scomber japonicus	2.40	20	0.20	
Sardinella aurita	2.20	20	0.18	
Total	1213.60		100.01	

	PROJECT STATION: 325
DATE: 14/11/95 GEAR TY	PE: PT No:7 POSITION:Lat N 1505
start stop duration	Long W 1702
	) Purpose code: 1
LOG :7569.20 7570.10 0.90	Area code :
FDEPTH: 10 10	GearCond.code:
BDEPTH: 40 39	Validity code:
Towing dir: 213 Wire out:	
Towing dir. 215 wile but.	120 m Speed: 27 km-10
Sorted: 56 Kg Total catch:	330.00 CATCH/HOUR: 990.00
SPECIES	CATCH/HOUR % OF TOT. C SAMP
	weight numbers
Brachydeuterus auritus	456.00 4113 46.06
Chloroscombrus chrysurus	295.50 12096 29.85 607
Sphyraena guachancho	90.00 300 9.09
Trachurus trecae	76.50 681 7.73 605
Trichiurus lepturus	45.00 300 4.55
Pomadasys peroteti	11.40 30 1.15
Sardinella maderensis	9.30 600 0.94 606
Loligo vulgaris	6.30 30 0.64
Total	990.00 100.01

	PROJECT STATION: 326
DATE: 15/11/95 GEAR 1	YPE: PT No:2 POSITION:Lat N 152
start stop duration	Long W 1655
	n) Purpose code: 1
LOG :7637.00 7638.50 1.50	Area code
FDEPTH: 0 0	GearCond.code:
BDEPTH: 53 45	Validity code:
Towing dir: 75° Wire out	
iowing uit. 75 wile out	. 140 M Speed. 50 MI-10
Sorted: 110 Kg Total catch	: 445.76 CATCH/HOUR: 891.52
SPECIES	CATCH/HOUR % OF TOT. C SAME
	weight numbers
Brachydeuterus auritus	377.30 2856 42.32 610
Selene dorsalis	99.12 2114 11.12
Rhizoprionodon acutus	79.50 64 8.92 612
Sardinella maderensis	57.26 2408 6.42 608
Trachinotus ovatus	52.22 224 5.86 609
Trichiurus lepturus	49.98 308 5.61
Sphyraena guachancho	49.14 322 5.51
Chloroscombrus chrysurus	40.60 1414 4.55
Sphyrna zygaena	27.60 6 3.10
Decapterus rhonchus	26.04 112 2.92
Pomadasys peroteti	16.38 28 1.84
Campogramma glaycos	7.14 14 0.80
Sardinella aurita	6.86 448 0.77 611
Selar crumenophthalmus	1.26 14 0.14
Echeneis naucrates	1.12 14 0.13
- Total	891.52 100.01

	1	PROJECT STATION: 327
DATE: 15/11/95 GEAR TY	PE: PT No;2 PO:	SITION:Lat N 1525
start stop duration		Long W 1652
TIME :06:41:00 07:11:00 30 (min	Purpose code:	1
LOG :7660.50 7662.10 1.60	Area code	:
FDEPTH: 5 5	GearCond.code	:
BDEPTH: 44 41	Validity code	
Towing dir: 185* Wire out:	140 m Speed: 32	2 kn*10
Sorted: 90 Kg Total catch:	366.66 CA	TCH/HOUR: 733.32
SPECIES	CATCH/HOUR	% OF TOT. C SAMP
	weight number:	
Chloroscombrus chrysurus	535.20 454	
Selene dorsalis	43.92 92	
Sphyrna zygaena		5.24
Brachydeuterus auritus	26.40 24	
Carcharhinus limbatus		3.16
Trichiurus lepturus	18.00 30	
Trachinotus ovatus	10.44 4	
Sphyraena guachancho	9.60 4	
Campogramma glaycos		2 0.98
Stromateus fiatola		2 0.92
Pomadasys peroteti		2 0.77
Rhizoprionodon acutus		2 0.57
Sphyrna couardi		2 0.44
Ilisha africana	2.40 2	0.33

734.52

100.16

DATE: 15/11/95 GEAR	PROJECT STATIO TYPE: BT No:1 POSITION:Lat N	
start stop duration		
	in) Purpose code: 1	1025
LOG :7682.80 7684.60 1.80	Area code :	
FDEPTH: 68 58	GearCond.code:	
BDEPTH: 68 58	Validity code:	
Towing dir: 131° Wire ou		
ioning dir. 151 mile ou	. 110 m opeca. So kn 10	
Sorted: 32 Kg Total catc	h: 163.48 CATCH/HOUR: 3	26.96
SPECIES	CATCH/HOUR % OF TOT. C	SAMP
	weight numbers	
Pagellus bellottii	90.60 1296 27.71	
Trachurus trecae	51.60 1910 15.78	615
Dentex angolensis	42.00 516 12.85	
Boops boops	32.52 2364 9.95	
Lepidotrigla cadmani	18.48 252 5.65	
Brachydeuterus auritus	12.96 84 3.96	
Loligo vulgaris	12.24 96 3.74	
Pseudupeneus prayensis	8.88 84 2.72	
Saurida brasiliensis	8.76 1572 2.68	
Alectis alexandrinus	8.10 4 2.48	
Citharus linguatula	6.00 228 1.84	
Dentex canariensis	5.64 24 1.72	
Decapterus rhonchus	4.80 12 1.47	
Alloteuthis africana	4.32 1.32	
Brotula barbata	4.20 12 1.28	
Serranus cabrilla	3.48 72 1.06	
Scorpaena stephanica	2.40 36 0.73 2.20 10 0.67	
Trachurus trecae		616
Zeus faber	2.02 2 0.62 1.80 24 0.55	
Sphyraena guachancho Illex coindetii	1.80 24 0.35	
Fistularia petimba	0.84 12 0.26	
Sphoeroides spengleri	0.64 12 0.26	
Parapenaeus longirostris	0.48 96 0.15	
GOBIIDAE	0.48 96 0.15	
Sepia sp.	0.24 36 0.07	
Arnoglossus blachei *	0.24 36 0.07	
ALIOJIOSSUS SILCHEL	0.24 50 0.07	
Total	326.96 99.99	

DATE: 15/11/95 GEAR T	PE: BT No:		OJECT STAT	rion: 329 N 1538
start stop duration			Long	W 1649
	a) Purpose	code:	1	
LOG :7720.90 7722.50 1.60	Area coo	le :		
FDEPTH: 49 46	GearCond			
BDEPTH: 49 46	Validity			
	150 m Spe		kn*10	
Sorted: 54 Kg Total catch	: 456.20	CATO	CH/HOUR:	912.40
SPECIES	CATCH/H	IOUR	% OF TOT.	C SAMP
		numbers		
Trichiurus lepturus	436.90	6206	47.8	
Brachydeuterus auritus	256.70	2584	28.1	
Alectis alexandrinus	70.56	52	7.7	
Selene dorsalis	51.68	374	5.6	6
Pagellus bellottii	39.62	256	4.3	4 618
Boops boops	18.36	1360	2.0	1
Pseudotolithus senegalensis	12.92	18	1.4	2
Trachurus trecae	8.00	426	0.8	8
Citharus linguatula	6.30	204	0.6	9
Pseudupeneus prayensis	4.60	86	0.5	
Loligo vulgaris	3.92	18	0.4	
	2.90	18	0.3	
Chloroscombrus chrysurus		10		-
Total	912.46		99.9	9
LOG :7734.60 7736.10 1.50 FDEPTH: 20 19 BDEPTH: 20 19	Area coo GearCono Validit	l.code:		
Towing dir: 35° Wire out	: 120 m Spe	ed: 30	kn*10	
Sorted: 63 Kg Total catch	: 1522.55	CAT	CH/HOUR:	3383.44
SPECIES	CATCH/1	HOUR	% OF TOT.	C SAMP
	weight :	numbers		
Galeoides decadactylus				
Pteroscion peli	1020.44	3544	30.1	6
	1020.44 684.44	3544 12467	20.2	3
Pseudotolithus senegalensis		3544 12467 11244	20.2 15.8	3 6
Pseudotolithus senegalensis Pomadasys peroteti	684.44	3544 12467 11244 1589	20.2 15.8 11.8	3 6 1
Pomadasys peroteti Pomadasys jubelini	684.44 536.56 399.56 256.67	3544 12467 11244 1589 733	20.2 15.8 11.8 7.5	3 6 1 9
Pomadasys peroteti	684.44 536.56 399.56 256.67 176.00	3544 12467 11244 1589 733 733	20.2 15.8 11.8 7.5 5.2	3 6 1 9 0
Pomadasys peroteti Pomadasys jubelini	684.44 536.56 399.56 256.67	3544 12467 11244 1589 733	20.2 15.8 11.8 7.5 5.2	3 6 1 9 0
Pomadasys peroteti Pomadasys jubelini Drepane africana Brachydeuterus auritus	684.44 536.56 399.56 256.67 176.00	3544 12467 11244 1589 733 733	20.2 15.8 11.8 7.5 5.2 4.0	3 6 1 9 0 8
Pomadasys peroteti Pomadasys jubelini Drepane africana Brachydeuterus auritus Trichiurus lepturus	684.44 536.56 399.56 256.67 176.00 138.11	3544 12467 11244 1589 733 733 1100	20.2 15.8 11.8 7.5 5.2 4.0 1.7	3 6 1 9 0 8 3
Pomadasys peroteti Pomadasys jubelini Drepane africana Brachydeuterus auritus Trichiurus lepturus Chloroscombrus chrysurus	684.44 536.56 399.56 256.67 176.00 138.11 58.67	3544 12467 11244 1589 733 733 1100 122	20.2 15.8 11.8 7.5 5.2 4.0 1.7 1.1	3 6 1 9 0 8 3 5 621
Pomadasys peroteti Pomadasys jubelini Drepane africana Brachydeuterus auritus Trichiurus lepturus Chioroscombrus chrysurus Polynemus sextarius	684.44 536.56 399.56 256.67 176.00 138.11 58.67 38.78	3544 12467 11244 1589 733 733 1100 122 227	20.2 15.8 11.8 7.5 5.2 4.0 1.7 1.1	3 6 1 9 0 8 3 5 621 8
Pomadasys peroteti Pomadasys jubelini Drepame africana Brachydeuterus auritus Trichiurus lepturus Chloroscombrus chrysurus Polynemus sextarius Selene dorsalis	684.44 536.56 399.56 256.67 176.00 138.11 58.67 38.78 33.00 15.67	3544 12467 11244 1589 733 733 1100 122 227 611 53	20.2 15.8 11.8 7.5 5.2 4.0 1.7 1.1 0.9 0.4	3 6 1 9 0 8 3 5 621 8 6 6
Pomadasys peroteti Pomadasys jubelini Drepane africana Brachydeuterus auritus Trichiurus lepturus Chloroscombrus chrysurus Polynemus sextarius Selene dorsalis Stromateus fiatola	684.44 536.56 399.56 256.67 176.00 138.11 58.67 38.78 33.00 15.67 8.71	3544 12467 11244 1589 733 733 1100 122 227 611	20.2 15.8 11.8 7.5 5.2 4.0 1.7 1.1 0.9 0.4	3 6 1 9 0 8 3 5 5 6 21 8 6 6 19 6
Pomadasys peroteti Pomadasys jubelini Drepane africana Brachydeuterus auritus Trichiurus lepturus Chloroscombrus chrysurus Polynemus sextarius Selene dorsalis Stromateus fiatola Sardinella maderensis	684.44 536.56 399.56 256.67 176.00 138.11 58.67 38.78 33.00 15.67 8.71 8.47	3544 12467 11244 1589 733 733 1100 122 227 611 53 611 53 11	20.2 15.8 11.8 7.5 5.2 4.0 1.7 1.1 0.9 0.4 0.2 0.2	3 6 1 9 0 8 3 5 6 21 8 6 6 5 6 22
Pomadasys peroteti Pomadasys jubelini Drepane africana Brachydeuterus auritus Trichiurus lepturus Chloroscombrus chrysurus Polynemus sextarius Selene dorsalis Stromateus fiatola Sardinella maderensis Ilisha africana	684.44 536.56 399.56 256.67 176.00 138.11 58.67 38.78 33.00 15.67 8.71 8.47 3.29	3544 12467 11244 1589 733 733 733 733 733 1100 122 227 611 53 11 33 76	20.2 15.8 11.8 7.5 5.2 4.0 1.7 1.1 0.9 0.4 0.2 0.2 0.2	3 6 1 9 0 8 3 5 6 21 8 6 6 6 19 6 6 5 6 22 0 6 20 0 6 20
Pomadasys peroteti Pomadasys jubelini Drepane africana Brachydeuterus auritus Trichiurus lepturus Chloroscombrus chrysurus Polynemus sextarius Selene dorsalis Stromateus fiatola Sardinella maderensis Ilisha africana Campogramma glaycos	684.44 536.56 399.56 256.67 176.00 138.11 58.67 38.78 33.00 15.67 8.71 8.47 3.29 1.89	3544 12467 11244 1589 733 733 1100 122 227 611 53 11 333 766 4	20.2 15.8 11.8 7.5 5.2 4.0 1.7 1.1 0.9 0.4 0.2 0.2 0.1 0.0	3 6 1 9 5 5 6 5 5 6 21 8 6 6 5 6 22 0 6 20 6
Pomadasys peroteti Pomadasys jubelini Drepane africana Brachydeuterus auritus Trichiurus lepturus Chloroscombrus chrysurus Polynemus sextarius Selene dorsalis Stromateus fiatola Sardinella maderensis Ilisha africana	684.44 536.56 399.56 256.67 176.00 138.11 58.67 38.78 33.00 15.67 8.71 8.47 3.29	3544 12467 11244 1589 733 733 733 733 733 1100 122 227 611 53 11 33 76	20.2 15.8 11.8 7.5 5.2 4.0 1.7 1.1 0.9 0.4 0.2 0.2 0.1 0.0	3 6 1 9 9 5 5 6 5 6 5 6 5 6 22 0 6 20 6 5 5
Pomadasys peroteti Pomadasys jubelini Drepame africana Brachydeuterus auritus Trichiurus lepturus Chloroscombrus chrysurus Polynemus sextarius Selene dorsalis Stromateus fiatola Stromateus fiatola Sardinella maderensis Ilisha africana Campogramma glaycos Pomatomus saltatrix	684.44 536.56 399.56 256.67 176.00 138.11 58.67 8.78 33.00 15.67 8.71 8.47 3.29 1.89 1.53	3544 12467 11244 1589 733 733 1100 122 227 611 53 11 53 11 33 76 4 4 2	20.2 15.8 11.8 7.5 5.2 4.0 1.7 1.1 0.9 0.4 0.2 0.2 0.2 0.1 0.0	3 6 1 9 0 8 5 5 6 5 6 5 6 5 6 5 6 20 6 5 5 4 4
Pomadasys peroteti Pomadasys jubelini Drepane africana Brachydeuterus auritus Trichiurus lepturus Chloroscombrus chrysurus Polynemus sextarius Selene dorsalis Stromateus fiatola Sardinella maderensis Ilisha africana Campogramma glaycos Pomatomus saltatrix Caranx senegallus	684.44 536.56 399.56 256.67 176.00 138.11 58.67 33.00 15.67 8.71 8.47 3.29 1.89 1.53 1.44	3544 12467 11244 1589 733 733 1100 122 227 611 53 11 33 76 4 4 2 2 4	20.2 15.8 11.8 7.5 5.2 4.0 1.7 1.1 0.9 0.4 0.2 0.1 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	3 6 1 9 8 3 5 5 6 6 6 6 6 5 5 6 22 0 6 5 5 4 1
Pomadasys peroteti Pomadasys jubelini Drepane africana Brachydeuterus auritus Trichiurus lepturus Chloroscombrus chrysurus Polynemus sextarius Selene dorsalis Stromateus fiatola Sardinella maderensis Ilisha africana Campogramma glaycos Pomatomus saltartix Caranx senegallus	684.44 536.56 399.56 256.67 176.00 138.11 58.67 38.78 33.00 15.67 8.71 8.47 3.29 1.89 1.53 1.44	3544 12467 11244 1589 733 733 1100 122 227 611 533 111 33 766 4 2 2 4	20.2 15.8 11.8 7.5 5.2 4.0 1.7 1.1 0.9 0.4 0.2 0.2 0.2 0.1 0.0 0.0 0.0 0.0 0.0 0.0 0.0	3 6 9 9 8 8 5 6 6 6 6 6 6 5 5 4 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
Pomadasys peroteti Pomadasys jubelini Drepane africana Brachydeuterus auritus Trichiurus lepturus Chloroscombrus chrysurus Polynemus sextarius Selene dorsalis Stromateus fiatola Sardinella maderensis Ilisha africana Campogramma glaycos Pomatomus saltatrix Caranx senegallus	684.44 536.56 399.56 256.67 176.00 138.11 58.67 33.00 15.67 8.71 8.47 3.29 1.89 1.53 1.44	3544 12467 11244 1589 733 733 1100 122 227 611 533 111 33 766 4 2 2 4	20.2 15.8 11.8 7.5 5.2 4.0 1.7 1.1 0.9 0.4 0.2 0.1 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	3 6 1 9 9 8 3 5 5 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 7 9 7 8 8 8 6 6 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9

		star	ŧ.	sto	pp	dura	ation					1	Long	w	1645
TIME	:19	:09:0	00	19:3	32:00	23	3 (m:	in)	Purp	ose cod	le:	1			
LOG	;77	71.60	0	7773	3.00	1.4	10		Area	code	:				
FDEPTH	l:	2	3		23				Gear	Cond.cc	de:				
BDEPTH	l:	41	8		47				Vali	dity co	de:				
	То	wing	di	r :	28*	Wir	e out	ζ:	100 m	Speed:	36	kn*10			
Sort	ed:	111	Kg		то	tal	cate	h:	2229	.00	CAT	сн/ноот	R:	581	4.78

SPECIES	CATCH	/HOUR	& OF TOT. C	SAMP
	weight	numbers		
Brachydeuterus auritus	5086.96	55657	87.48	
Trachurus trecae	370.43	2400	6.37	624
Decapterus rhonchus	142.96	365	2.46	623
Pomadasys peroteti	50.09	104	0.86	
Trichiurus lepturus	34.43	1148	0.59	
Loligo vulgaris	26.09	157	0.45	
Sepia officinalis hierredda	24.00	52	0.41	
Boops boops	23.48	209	0.40	
Sardinella maderensis	21.91	626	0.38	625
Penaeus notialis	18.78	1617	0.32	
Pagellus bellottii	10.43	52	0.18	
Sphyraena guachancho	3.65	104	0.06	
Pseudupeneus prayensis	1.57	52	0.03	
Total	5814.78		99.99	

		550 7	ECT STATIO	w. 222
DMD-16 (11 (05	YPE: PT No:7	POSITI		
DATE:16/11/95 GEAR T start stop duration	IPE: PT NO:/	P05111	Long W	
	n) Purpose co	ode: 1	Long H	1037
LOG :7826.30 7827.90 1.60	Area code			
FDEPTH: 10 10	GearCond.			
BDEPTH: 25 30	Validity of			
Towing dir: 305" Wire out			*10	
iowing dif: 505 wife out	. 140 m speed	1. 30 AM		
Sorted: 59 Kg Total catch	: 356.46	CATCH/	HOUR: 7	92.13
SPECIES	CATCH/HOU	UR 🗞	OF TOT. C	SAMP
	weight nur	nbers		
Sardinella maderensis	465.33	3480	58.74	626
Brachydeuterus auritus	86.40	667	10.91	
Saleoides decadactylus	76.67	227	9.68	
Sardinella aurita	36.13	173	4.56	627
Pteroscion peli	28.93	187	3.65	
Trichiurus lepturus	26.53	400	3.35	
Drepane africana	19.07	40	2.41	
Selene dorsalis	12.80	280	1.62	629
Ilisha africana	10.93	253	1.38	630
Stromateus fiatola	9.47	13	1.20	
Pomadasys rogeri	6.00	13	0.76	
Sphyraena guachancho	4.80	80	0.61	
Pomadasys peroteti	4.27	13	0.54	
Chloroscombrus chrysurus	4.27	93	0.54	628
Polydactylus quadrifilis	0.53	13	0.07	
- Potal	792.13		100.02	

# Annex V Instruments and fishing gear used

The Simrad EK-500/38kHz scientific sounder was used during the survey for fish abundance estimation. The Bergen Echo Integrator system (BEI) was used to scrutinize the acoustic records from the 38kHz echo sounder, and to allocate integrator values to fish species.

The details of the settings of the 38kHz echo sounder where as follows:

### Tranceiver-1 menu (38 kHz lowering keel)

Transducer depth	0.00 m
-	0.00 III
Absorbtion coeff.	10 dB/km
Pulse length	medium (1ms)
Bandwidth	wide
Max power	2000 Watt
2-way beam angle	-21.0 dB
SV transducer gain	28.1 dB
TS transducer gain	28.0 dB
Angle sensitivity	21.9
3 dB beamwidth	6.8 dg
Alongship offset	0.00 "
Athwardship offset	0.04 "

#### **Display menu**

Echogram	1 (38 kHz)
Bottom range	12 m
Bottom range start	10 m
Sv colour min	-67 dB

## Printer- menu

Echogram	1 (38 kHz)
Range	100, 250 and 500 m
Range start	0
Bottom range	12 m
Bottom range start	10 m
Sv colour min	-67 dB
TVG	20 log R

### Bottom detection menu Minimum level -50 dB

## **Fishing gear**

The vessel has two different sized "Åkrahamn" pelagic trawls and one "Gisund super bottom trawl". Both the bottom trawl and the smallest pelagic trawl were used during the survey.

The bottom trawl has a headline of 31 m, footrope 47 m and 20 mm meshsize in the codend with an innernett of 10 mm meshsize. The estimated opening is 6 m (observed 5.7) and distance between wings during towing about 18 m. The sweeps are 40 m long. The trawl is equiped with a 12" rubber bobbins gear. The doors are of 'Thyborøn' combi type,  $7.81 \text{ m}^2$ , 1670 kg, their distance while trawling about 46 m in average. A tickler chain was used when trawling for shrimp.

The SCANMAR system was used on all trawl hauls. This equipment consists of sensors, a hydrophone, a receiver, a display unit and a battery charger. Communication between sensors and ship is based on acoustic transmission. The doors are fitted with sensors to provide information on their distance and a height sensor is fitted to the bottom trawl to measure the trawl opening and provide information on clearance and bottom contact..

The pelagic trawl is equipped with a trawleye that provides information on the trawl opening and the distance of the footrope to the bottom.