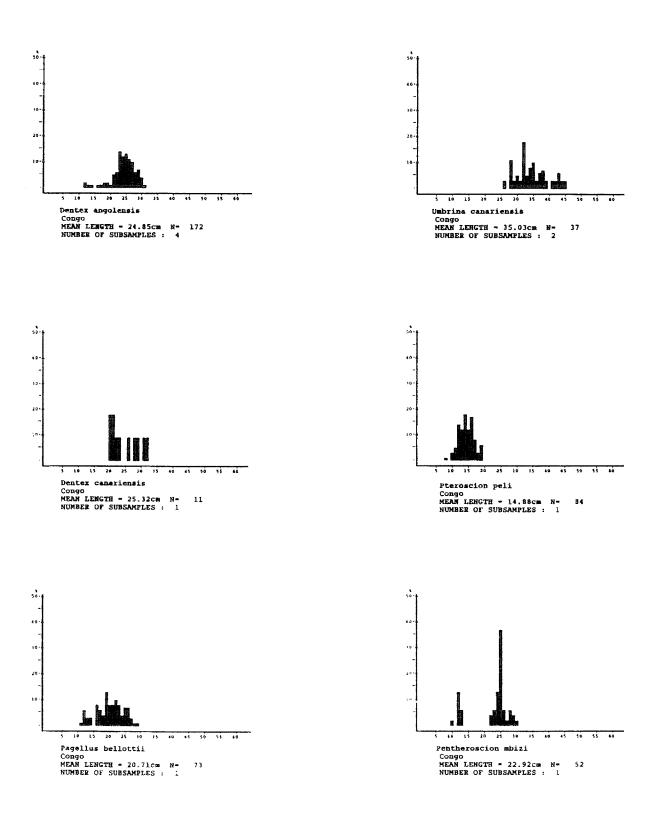
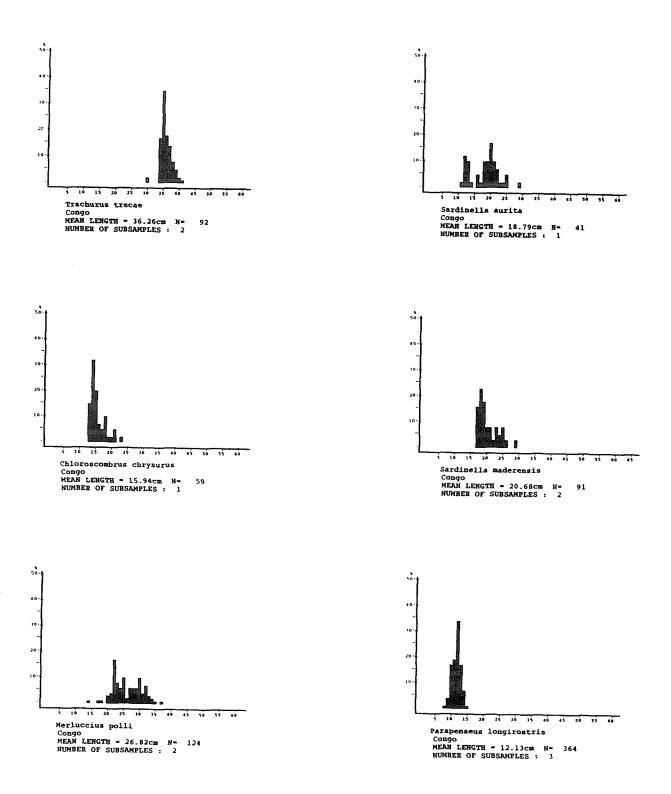
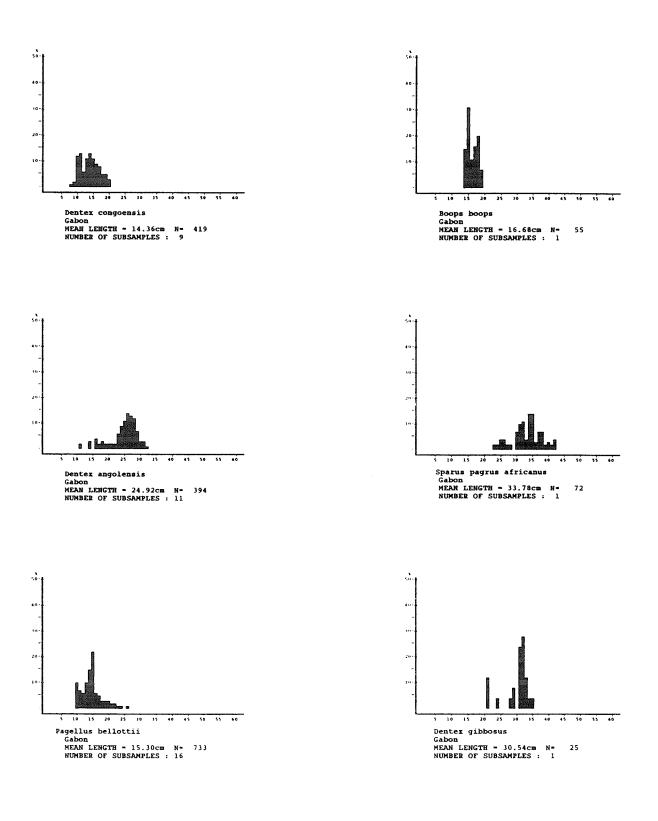
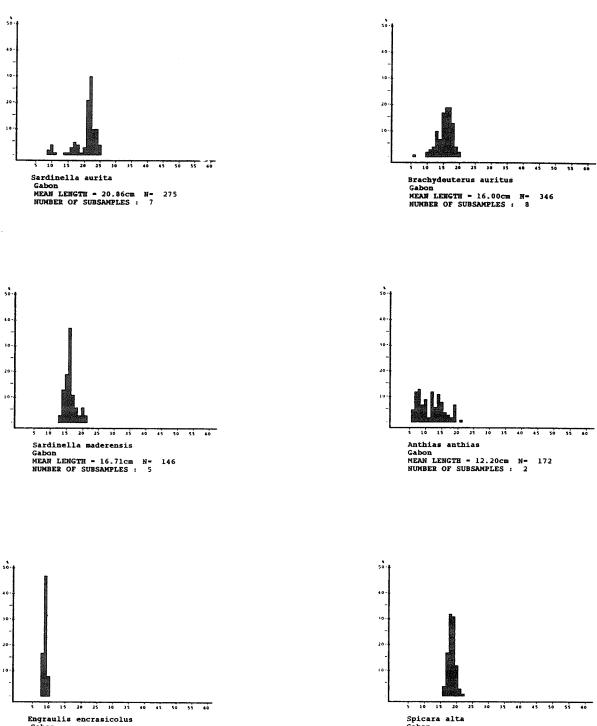
Annex I CONGO. Length distributions of main species





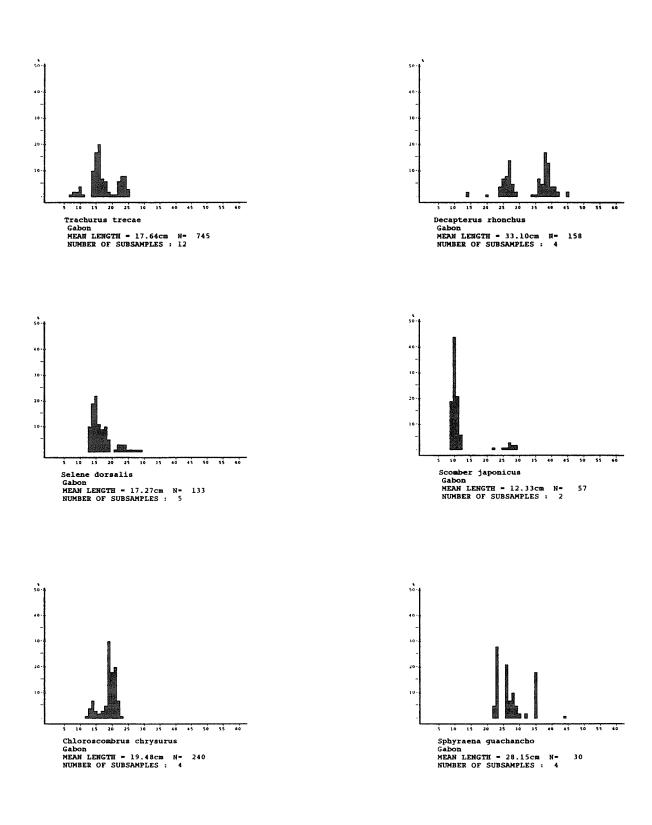
Annex II GABON. Length distributions of main species

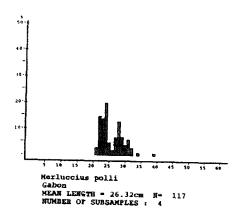


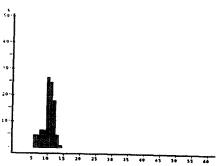


Engraulis encrasicolus Gabon MEAN LENGTH = 9.40cm N= 63 NUMBER OF SUBSAMPLES : 1

Spicara alta Gabon MEAN LENGTH = 18.93cm N= 171 NUMBER OF SUBSAMPLES : 3



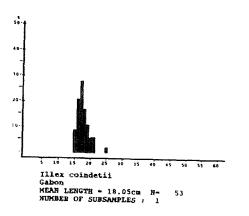




10-

Parapenaeus longirostris Gabon MEAN LENGTH = 10.77cm N= 146 NUMBER OF SUBSAMPLES : 1

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Annex III Records of fishing stations

PROJECT STATION: 24				
start stop duration	TYPE: BT No:		ION:Lat S Long E	458 1136
TIME :13:49:00 14:19:00 30 (1 LOG :3422.50 3424.10 1.60	ain) Purpose Area coa	code: 3 de : 1		
FDEPTH: 95 92 BDEPTH: 95 92 Towing dir: 350° Wire ou	GearCone Validity it: 380 m Spe	v code: 1	•10	
Sorted: 173 Kg Total cate		CATCH,		76.24
PECIES	CATCH/I		OF TOT. C	SAMP
Trachurus trecae	weight 1 318.14	622	32.59	47
richiurus lepturus Pentheroscion mbizi	186.20 167.92	518 988	19.07 17.20	
entex angolensis rotula barbata	125.00 49.00	488 70	12.80 5.02	45 46
mbrina canariensis Ynoponticus ferox	34.22 20.60	58 12	3.51 2.11	
ynagrops microlepis pinephelus aeneus	18.33 15.10	8665 2	1.88	
quatina squatina aja miraletus	10.74 5.90	6 12	1.10	
eus faber helidonichthys gabonensis	5.10 4.70	12 34	0.52	
terothrissus belloci ynoglossus sp.	4.40 2.90	24	0.45	
ranchiostegus semifasciatus egusa lascaris	2.04	6 18	0.21 0.19	
epia bertheloti	1.20	58	0.12	
ranoscopus albesca varapenaeus longirostris	1,16	12 30	0.12	
otal	976.25		100.00	
start stop duration TIME :16:14:00 16:44:00 30 (m LOG :3437.70 3439.20 1.50 FDEPTH: 178 178	ain) Purpose Area cou GearCond	l POSIT: code: 3 de : 1 d.code:	JECT STATIO ION:Lat S Long E	503
BDEPTH: 178 178 Towing dir: 330° Wire ou		r code: 1 ed: 30 kr	*10	
Sorted: 65 Kg Total cate	ch: 257.00	CATCH,	HOUR: 5	14.00
PECIES	CATCH/I weight		OF TOT. C	SAMP
terothrissus belloci ynagrops microlepis	92.00	528 4200	17.90 16.34	49
YCTOPHIDAE entheroscion mbizi	76.40 63.60	3184 416	14.86	48
arapenaeus longirostris				
	59.44	7822 264	11.56	
richiurus lepturus enopsis conchifer	59.44 35.60 32,40	264 72	6.93 6.30	
richiurus lepturus mopsis conchifer entex angolensis icopus sp.	59.44 35.60 32.40 22.48 15.60 12.80	264 72 72 16	6.93	
richiurus lepturus emopsis conchifer entex angolensis ctopus sp. hlorophthalmus atlanticus aja miraletus	59.44 35.60 32.40 22.48 15.60 12.80	264 72 72 16 1056 8	6.93 6.30 4.37 3.04 2.49 1.23	
richiurus lepturus emopsis conchifer entex angolensis ctopus sp. hlorophthalmus atlanticus aja miraletus picara alta ranoscopus albesca	59.44 35.60 32.40 22.48 15.60 12.80 6.32 5.20 3.12	264 72 72 16 1056 8 48 24	6.93 6.30 4.37 3.04 2.49 1.23 1.01 0.61	
richiurus lepturus emopsis conchifer entex angolensis ctopus sp. hlorophthalmus atlanticus aja miraletus picara alta ranoscopus albesca ontinus accraensis llex coindetii	59.44 35.60 32.40 22.48 15.60 12.80 6.32 5.20 3.12 2.40 0.80	264 72 72 16 1056 8 48 24 16 8	6.93 6.30 4.37 3.04 2.49 1.23 1.01 0.61 0.47 0.16	
richiurus leptürus emopsis conchifer entex angolensis ctopus sp. hlorophthalmus atlanticus aja miraletus picara alta ranoscopus albesca ontinus accraensis llex coindetii eristedion cataphractum onolene microstoma	59.44 35.60 32.40 22.48 15.60 12.80 6.32 5.20 3.12 2.40 0.80 0.80 0.80	264 72 72 16 1056 8 48 24 16 8 8 8 32	6.93 6.30 4.37 3.04 2.49 1.23 1.01 0.61 0.47 0.16 0.16 0.09	
ichlurus leptūrus enopsis conchifer entex angolensis topus sp. lorophthalmus atlanticus oja miraletus ojara alta ranoscopus albesca ontinus acczaensis lex coindetii erristedion cataphractum onolene microstoma	59.44 35.60 32.40 22.48 15.60 12.80 6.32 5.20 3.12 2.40 0.80 0.80	264 72 72 16 1056 8 48 24 16 8 8	6.93 6.30 4.37 3.04 2.49 1.23 1.01 0.61 0.47 0.16 0.16	
richiurus lepturus enopais conchifer entex angolensis ctopus sp. hlorophthalmus atlanticus aja miraletus picara alta ranoscopus albesca ontinus accraensis llex coindetii eristedion cataphractum acroparalent macrogeneion OMEIDAE	59.44 35.60 32.40 22.48 15.60 12.80 6.32 5.20 3.12 2.40 0.80 0.80 0.48 0.20	264 72 72 16 1056 8 48 24 16 8 8 32 16	6.93 6.30 4.37 3.04 2.49 1.23 1.01 0.61 0.61 0.16 0.16 0.9 0.04	
Ariphaka Jepturus Lenopais conchifer Jentex angolenais Jentey angolenais Jentey angolenais Jentey and Arithmeticus La Arithmeticus La Arithmeticus Jenter and Arithmeticus Jen	59.44 35.60 32.40 12.80 6.32 5.20 0.80 0.80 0.48 0.20 0.08	264 72 16 1056 8 48 24 16 8 322 16 8	6.93 6.30 4.37 3.04 2.49 1.23 1.01 0.47 0.16 0.16 0.16 0.09 0.04 0.02 99.95	
richiurus lepturus emopsis conchifer entex angolensis ctopus sp. hlorophthalmus atlanticus aja miraletus picara alta ranoscopus albesca ontinus accraensis llex coindetii eristedion cataphractum onolene microstoma acroparalepis macrogeneion OMEIDAE otal DATE: 20/ 8/94 GEAR start stop duratjor	59.44 35.60 32.40 12.48 15.60 12.80 6.32 3.12 2.40 0.80 0.80 0.48 0.08 0.08 513.72	264 72 16 1056 8 48 24 16 8 8 32 16 16 16 8 8	6.93 6.30 4.37 3.04 2.49 1.23 1.01 0.61 0.47 0.16 0.90 0.04 0.02	N: 26 502
<pre>tichiurus leptirus emopsis conchifer entex angolensis ctopus sp. hlorophthalmus atlanticus aja miraletus picara alta ranoscopus albesca ontinus accreansis llex coindetii eristedion cataphractum onolene microstoma acroparalepis macrogeneion OMETDAE otal DATE:20/ 8/94 GEAR start stop duration TIME :17:33:00 18:03:00 30 (a LOG :3443.20 3445.00 1.80</pre>	59.44 35.60 32.40 12.48 15.60 12.80 6.32 3.12 2.40 0.80 0.80 0.48 0.08 0.08 513.72	264 72 16 1056 8 48 24 16 8 32 16 8 32 16 9 7 000 1 PRO.	6.93 6.30 4.37 1.04 2.49 1.23 1.01 0.47 0.16 0.16 0.09 0.04 0.02 99.95	N: 26 502
<pre>ichiurus lepturus =nopsis conchifer =ntex angolensis topus sp lorophthalmus atlanticus aja miraletus icara alta anoscopus albesca mithus accreaensis lex coindetii sristedion cataphractum snolene microstoma scroparalepis macrogeneion HEIDAE stat stop duration TIME :17:33:00 18:03:00 30 (a EDEPTH: 304 304</pre>	59.44 35.60 32.40 12.48 15.60 12.80 6.32 2.40 0.80 0.80 0.48 0.80 0.08 0.08 0.08 0	264 72 72 16 1056 8 48 24 16 8 32 16 8 32 16 8 32 16 8 32 16 8 32 16 8 32 16 5 8 32 16 5 8 32 16 6 8 32 16 6 8 32 16 6 8 9 9 9 0 0 5 16 8 16 8 16 9 16 16 16 16 16 16 16 16 16 16 16 16 16	6.93 6.30 4.37 1.04 2.49 1.23 1.01 0.61 0.61 0.16 0.09 0.04 0.02 59.95	N: 26 502
<pre>tichiurus lepturus =nopsis conchifer =ntex angolensis topus sp hlorophthalmus atlanticus aja miraletus picara alta anoscopus albesca notinus accreansis llex coindetii sriatedion cataphractum snolene microstoma scroparalepis macrogeneion HEIDAE stat stop duration THME :17:33:00 18:03:00 30 (s FDEFTH: 304 304 BDEFTH: 304 304 BDEFTH: 304 304</pre>	59.44 35.60 32.40 12.48 15.60 12.80 6.32 5.20 3.12 2.40 0.80 0.80 0.48 0.0 80 0.48 0.0 513.72	264 72 72 16 1056 8 48 24 16 8 32 16 8 9 16 8 9 1 9 16 8 32 16 8 32 16 8 32 16 8 32 16 8 32 16 8 32 16 8 9 10 5 6 10 5 6 8 9 10 5 10 5 6 10 5 6 10 5 6 10 5 10 5 10	6.93 6.30 4.37 1.04 2.49 1.23 1.01 0.61 0.61 0.06 0.04 0.02 99.95 99.95	N: 26 502 1124
<pre>tichiurus lepturus emopsis conchifer entex angolensis ctopus sp. hlorophthalmus atlanticus aja miraletus ontinus accraensis llex coindetii eristedion cataphractum onolen microstoma acroparalepis macrogeneion OMETDAE otal</pre>	59.44 35.60 32.40 12.48 15.60 12.80 6.32 5.20 3.12 2.40 0.80 0.80 0.48 0.0 80 0.48 0.0 513.72	264 72 72 16 1056 8 48 24 16 8 32 16 8 32 16 8 32 16 8 32 16 8 32 16 8 32 16 5 8 32 16 5 8 32 16 6 8 32 16 6 8 32 16 6 8 9 9 9 0 0 5 16 8 16 8 16 9 16 16 16 16 16 16 16 16 16 16 16 16 16	6.93 6.30 4.37 1.04 2.49 1.23 1.01 0.61 0.61 0.06 0.04 0.02 99.95 99.95	N: 26 502
<pre>richiurus lepturus emopsis conchifer entex angolensis ctopus sp. hlorophthalmus atlanticus aja miraletus picara alta ranoscopus albesca ontinus accraensis llex coindetii eristedion cataphractum onolene microstoma acroparalepis macrogeneion DHEIDAE otal</pre> DATE:20/ 8/94 GEAR start stop duration TIME :17:33:00 18:03:00 30 (s LOG :3443.20 3445.00 1.80 FDEFTH: 304 304 BDEFTH: 304 304 Towing dir: 315* Wire ou Sorted: 16 Kg Total cate	59.44 35.60 32.40 12.48 15.60 12.80 6.32 5.2 2.40 0.80 0.80 0.80 0.80 0.80 0.80 0.80 0	264 72 72 16 1056 8 8 8 32 16 8 32 16 8 32 16 8 32 16 8 32 16 8 32 16 8 32 16 8 32 16 8 32 16 8 8 32 16 8 8 32 16 8 8 32 16 16 10 56 8 8 32 16 16 10 56 8 8 32 16 16 10 56 8 8 32 16 16 16 16 10 56 8 8 32 16 16 16 16 16 16 16 16 16 16 16 16 16	6.93 6.30 4.37 1.04 2.49 1.23 1.01 0.61 0.61 0.06 0.04 0.02 99.95 99.95	N: 26 502 1124
<pre>richiurus lepturus emopsis conchifer entex angolensis ctopus sp. hlorophthalmus atlanticus aja miraletus picara alta ranoscopus albesca ontinus accraensis llex coindetii eristedion cataphractum onolene microstoma acroparalepis macrogeneion DHEIDAE otal DATE:20/ 8/94 GEAR start stop duration OHEIDAE otal DATE:20/ 8/94 GEAR start stop duration OHEIDAE otal DATE:20/ 8/94 GEAR start stop duration OHEIDAE otal DATE:20/ 8/94 GEAR start stop duration OHEIDAE otal DATE:20/ 8/94 GEAR scores duration OHEIDAE otal DATE:20/ 8/94 GEAR acrogeneion OHEIDAE otal DATE:20/ 8/94 GEAR scores duration OHEIDAE otal DATE:20/ 8/94 GEAR scores duration Scores durati</pre>	59.44 35.60 32.40 12.48 15.60 12.80 6.32 2.40 0.80 0.80 0.80 0.80 0.80 0.80 0.80 0.68 0.21 0.80 0.08	264 72 72 16 1056 8 48 48 48 16 8 32 16 8 32 16 8 3 16 8 3 16 16 8 3 16 16 8 3 16 16 8 3 16 16 8 3 16 16 8 3 16 16 8 3 16 16 8 3 16 16 10 5 6 8 3 16 16 10 5 6 8 3 16 16 10 5 6 8 3 16 16 10 5 6 8 3 16 16 16 16 16 16 16 16 16 16 16 16 16	6.93 6.30 4.37 1.04 2.49 1.23 1.01 0.47 0.16 0.09 0.04 0.02 99.95 99.95 99.95	₩: 26 : 502 : 1124 - .57 50
<pre>richiurus lepturus emopsis conchifer entex angolensis ctopus sp. hlorophthalmus atlanticus aja miraletus picara alta ranoscopus albesca ontinus accraenais llex coindetii eristedion cataphractum onoleme microstoma acroparalepis macrogeneion OMEIDAE otal DATE: 20/ 8/94 GEAR start stop duration OMEIDAE otal DATE: 20/ 8/94 JOA DATE: 20/ 8/94 JOA DATE:</pre>	59.44 35.60 32.40 12.48 15.60 12.80 6.32 5.2 0.80 0.80 0.80 0.80 0.80 0.80 0.80 0.	264 72 72 16 1056 8 48 48 48 16 8 32 16 8 32 16 8 8 32 16 8 3 16 8 8 32 16 8 8 8 32 16 8 8 8 32 16 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	6.93 6.30 4.37 1.04 2.49 1.23 1.01 0.47 0.16 0.16 0.09 0.04 0.02 99.95 99.95 99.95	м: 26 502: 1124 - 57 50 5амр 50
<pre>richiurus lepturus emopsis conchifer entex angolensis ctopus sp. hlorophthalmus atlanticus aja miraletus picara alta ranoscopus albesca ontinus accraenais llex coindetii eristedion cataphractum onoleme microstoma acroparalepis macrogeneion OHEIDAE otal DATE: 20/ 8/94 GEAR start stop duration OHEIDAE otal DATE: 20/ 8/94 GEAR start stop duration OHEIDAE otal DATE: 20/ 8/94 GEAR store duration OHEIDAE DATE: 20/ 8/94 GEAR store duration OHEIDAE Store duration OHEIDAE DATE: 20/ 8/94 GEAR store duration OHEIDAE DATE: 20/ 8/94 GEAR store duration OHEIDAE Store duration OHEIDAE Store duration Store duration OHEIDAE Store duration Store duration St</pre>	59.44 35.60 32.40 12.48 15.60 12.80 6.32 5.2 2.40 0.80 0.80 0.48 0.20 0.80 0.48 0.20 0.08 513.72 TYPE: BT No:: 513.72 TYPE: BT No: 513.72 CATCH/ Weight 79.00 19.00 5.50 5.50 5.20 3.80	264 72 72 16 1056 8 8 12 16 8 32 16 8 32 16 8 32 16 8 32 16 8 32 16 8 32 16 8 32 16 8 32 16 8 32 16 8 32 16 8 32 16 8 32 16 8 32 16 8 8 8 32 16 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	6.93 6.30 4.37 1.04 2.49 1.01 0.47 0.16 0.06 0.04 0.02 99.95 99.95 99.95 99.95 99.95	м: 26 502: 1124 - 57 50 5амр 50
<pre>richiurus lepturus emopsis conchifer entex angolensis ctopus sp. hlorophthalmus atlanticus aja miraletus picara alta ranoscopus albesca ontinus accraenais llex coindetii eristedion cataphractum onolem microstoma acroparalepis macrogeneion OHEIDAE otal DATE: 20/ 8/94 GEAR start stop duration OHEIDAE otal DATE: 20/ 8/94 GEAR start stop duration OHEIDAE otal DATE: 20/ 8/94 GEAR start stop duration OHEIDAE otal DATE: 20/ 8/94 GEAR scroparalepis macrogeneion OHEIDAE otal DATE: 20/ 8/94 GEAR scroparalepis macrogeneion OHEIDAE otal DATE: 20/ 8/94 GEAR scroparalepis macrogeneion OHEIDAE otal DATE: 20/ 8/94 GEAR scroparalepis macrogeneion Sorted: 16:05:00 00:00 PDEIPH: 304 304 DOMENTIC Sorted: 16:05:00 00:00 Sorted: 16:05:00 00:00 Sorted: 16:05:00 Sorted: 16:05:00 Sorted: 16:05:00 Sorted: 16:05:00 Sorted: 16:05:00 Sorted: 16:05:00 Sorted: 16:05:00 Sorted: 10:05:00 Sorted: 10:05:00</pre>	59.44 35.60 32.40 12.48 15.60 12.80 6.32 5.20 3.12 2.40 0.80 0.80 0.48 0.20 0.80 0.48 0.20 0.08 0.48 0.20 0.08 0.48 0.20 0.80 0.48 0.20 0.80 0.48 0.20 0.80 0.48 0.20 0.80 0.48 0.20 0.80 0.48 0.20 0.80 0.48 0.20 0.48 0.48 0.48 0.20 0.08 0.48 0.20 0.08 0.48 0.20 0.08 0.48 0.20 0.08 0.48 0.20 0.08 0.20 0.08	264 72 72 16 1056 8 48 48 48 16 8 32 16 8 31 16 8 32 16 8 32 16 8 32 16 8 32 16 8 32 16 8 32 16 8 32 16 8 32 16 8 32 16 8 32 16 8 8 8 8 32 16 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	6.93 6.30 4.37 1.04 2.49 0.61 0.47 0.16 0.09 0.04 0.02 99.95 99.95 99.95 99.95 0.01 CHOUR: 1 0F TOT: C 62.86 12.06 3.49 3.30 2.41 2.03 1.97	м: 26 502: 1124 - 57 50 5амр 50
<pre>richiurus lepturus emopsis conchifer entex angolensis ctopus sp. hlorophthalmus atlanticus aja miraletus picara alta ranoscopus albesca ontinus accraenais llex coindetii eristedion cataphractum onoleme microstoma acroparalepis macrogeneion OHEIDAE otal DATE: 20/ 8/94 GEAR start stop duration OHEIDAE otal DATE: 20/ 8/94 GEAR start stop duration OHEIDAE otal DATE: 20/ 8/94 GEAR store duration OHEIDAE DATE: 20/ 8/94 GEAR store duration OHEIDAE DATE: 20/ 8/94 GEAR Store duration OHEIDAE DATE: 20/ 8/94 GEAR Store duration Store duratio Store duration Stor</pre>	59.44 35.60 32.40 12.48 15.60 12.80 6.32 5.20 3.12 2.40 0.80 0.80 0.80 0.48 0.20 0.08 0.08 0.08 513.72 TYPE: BT No:: 513.72 Stilling CATCH/ Weight 3.00 5.00	264 72 72 16 1056 8 48 48 48 16 8 32 16 8 32 16 8 32 16 8 32 16 8 32 16 8 32 16 8 32 16 8 32 16 8 32 16 8 32 16 8 8 8 32 16 8 8 8 32 16 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	6.93 6.30 4.37 3.04 2.49 1.23 1.01 0.47 0.16 0.09 0.04 0.02 	м: 26 502: 1124 - 57 50 5амр 50
<pre>richiurus lepturus enopsis conchifer entex angolensis ctopus sp. hlorophthalmus atlanticus aja miraletus picara alta ranoscopus albesca ontinus accraenais llex coindetii eristedion cataphractum onolene microstoma acroparalepis macrogeneion OMEIDAE otal DATE: 20/ 8/94 GEAR start stop duration OMEIDAE otal DATE: 20/ 8/94 GEAR start stop duration OMEIDAE otal DATE: 20/ 8/94 GEAR store allogeneion OMEIDAE otal DATE: 20/ 8/94 GEAR store allogeneion OMEIDAE otal DATE: 20/ 8/94 GEAR store allogeneion Sortal PDEPTH: 304 304 BDEPTH: 304 304 BDEPTH: 304 304 Towing dir: 315' Wire ou Sorted: 16 Kg Total cate PDCIES erluccius polli atapenaeus longirostris arageneaus longirostris arageneaus longirostris ontinus sp aemonema laureysi corpaena angolensis colorinchus coelorhincus terothrissus belloci richaurus lepturus aleus polli</pre>	59.44 35.60 32.40 22.48 15.60 12.80 6.32 5.20 3.12 2.40 0.80 0.80 0.48 0.20 0.08 0.48 0.20 0.08 0.48 0.20 0.08 0.48 0.20 0.80 0.48 0.20 0.80 0.48 0.20 0.80 0.48 0.20 0.80 0.48 0.20 0.80 0.48 0.20 0.80 0.48 0.20 0.80 0.48 0.20 0.80 0.48 0.20 0.80 0.48 0.20 0.48 0.20 0.48 0.20 0.48 0.20 0.48 0.20 0.48 0.20 0.48 0.20 0.48 0.20 0.48 0.20 0.48 0.20 0.48 0.20 0.48 0.20 0.48 0.20 0.48 0.20 0.48 0.20 0.48 0.20 0.48 0.20 0.48 0.48 0.20 0.48 0.20 0.48 0.20 0.48 0.20 0.48 0.20 0.48 0.20 0.48 0.20 0.08 0.48 0.20 0.08 0.48 0.20 0.08 0.48 0.20 0.08 0.48 0.20 0.08 0.48 0.20 0.08 0.20 0.08 0.09 0.05 0.03 0.03 0.03 0.00 3.10 3.10 3.10 3.10 3.10 3.10 3.10 0.270 0.08	264 72 72 16 1056 8 48 48 48 16 8 32 16 8 32 16 8 32 16 8 32 16 8 32 16 8 32 16 8 32 16 8 32 16 8 32 16 8 32 16 8 8 32 16 8 8 32 16 8 8 32 16 8 8 32 16 8 8 32 16 8 8 32 16 8 8 8 32 16 8 8 8 32 16 8 8 8 32 16 8 8 8 32 16 8 8 8 32 16 8 8 8 32 16 8 8 8 32 16 8 8 8 32 16 8 8 8 32 16 8 8 8 32 16 8 8 8 32 16 8 8 8 32 16 8 8 8 8 32 16 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	6.93 6.30 4.37 1.04 2.49 1.23 1.01 0.47 0.61 0.47 0.09 0.04 0.02 99.95 99.95 99.95 99.95 0.02 0.02 0.02 0.02 0.02 0.02 0.02 0.0	м: 26 502: 1124 - 57 50 5амр 50
<pre>cichiurus lepturus moppis conchifer ntex angolensis topus sp. horophthalmus atlanticus ania miraletus picara alta ranoscopus albesca ontinus accraensis llex coindetii eristedion cataphractum onolene microstoma scroparalepis macrogeneion HEIDAE otal DATE: 20/ 8/94 GEAR start stop duration HEIDAE otal DATE: 20/ 8/94 GEAR start stop duration HEIDAE otal DATE: 20/ 8/94 GEAR scroparalepis macrogeneion HEIDAE otal DATE: 20/ 8/94 GEAR scroparalepis macrogeneion HEIDAE otal DATE: 20/ 8/94 GEAR scroparalepis macrogeneion HEIDAE start stop duration HEIDAE start stop duration HEIDAE start stop duration Sorted: 16 Kg Total cato PECIES erluccius polli arapenaeus longirostris scrapenaeus longi longirostris scrapenae</pre>	59.44 35.60 32.40 12.48 15.60 12.80 6.32 5.20 3.12 2.40 0.80 0.80 0.48 0.20 0.80 0.48 0.20 0.08	264 72 72 16 1056 8 48 48 48 16 8 32 16 8 32 16 8 32 16 8 32 16 8 32 16 8 32 16 8 32 16 8 32 16 8 32 16 8 32 16 8 32 16 8 8 32 16 8 8 32 16 8 8 32 16 8 8 32 16 8 8 32 16 8 8 32 16 8 8 32 16 8 8 32 16 8 8 32 16 8 8 32 16 8 8 8 32 16 8 8 8 32 16 8 8 8 32 16 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	6.93 6.30 4.37 1.04 2.49 1.23 1.01 0.47 0.47 0.09 0.04 0.02 99.95 99.95 99.95 99.95 99.95 99.95 0.04 0.02 0.02 0.04 0.04	м: 26 502: 1124 - 57 50 5амр 50
<pre>cichiurus lepturus =mopsis conchifer =ntex angolensis topus sp. horophthalmus atlanticus aja miraletus picara alta ranoscopus albesca ontinus accraensis llex coindetii =ristedion cataphractum onolene microstoma acroparalepis macrogeneion >HEIDAE otal DATE:20/ 8/94 CEAR prist start stop duration THE :17:33:00 18:00:00 30 (r LGG :3443:20 3445:00 1.80 FDEPTH: 304 304 BDEPTH: 304 304 BDEPTH: 304 304 FDEPTH: 304 304 BDEPTH: 304 304 Sorted: 16 Kg Total cate PECIES erluccius polli arapenaeus longirostris arapenaeus longirostris arapenaeus longirostris srapenaeus longirostris srapenaeus longirostris orinus sp aemoncma laureysi corpaena angolensis belorinchus coelorhincus terothrisus belloci richiurus lepturus aleus polli ynagrops microlepis</pre>	59.44 35.60 32.40 12.48 15.60 12.80 6.32 3.12 40 0.80 0.80 0.80 0.80 0.08 513.72	264 72 72 16 1056 8 8 8 24 16 8 8 32 16 8 8 32 16 8 32 16 8 32 16 8 32 16 8 32 16 8 32 16 8 32 16 8 8 8 32 16 8 8 8 32 16 8 8 32 16 8 8 7 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	6.93 6.30 4.37 1.04 2.49 1.23 1.01 0.47 0.16 0.47 0.16 0.09 0.04 0.02 99.95 97.95 99.95 97.177.177.177.1777.1777.1777.1777.1777	м: 26 502: 1124 - 57 50 5амр 50

DATE: 20/ 8/94 GEAR TYP	E: BT No:6		JECT STATIC ION:Lat	503
start stop duration TIME :20:22:00 20:52:00 30 (min)	Purpose	code: 3	Long I	1122
LOG :4457.80 4459.20 1.40 FDEPTH: 476 480	Area code GearCond	e :1		
BDEPTH: 476 480 Towing dir: 330* Wire out:1	Validity 400 m Spee	code: 1 ed: 29 ki		
Sorted: 34 Kg Total catch:				80.00
	C1 0011 (11			CAMP
		umbers	OF TOT. C	SAMP
Nematocarcinus africanus Herluccius polli	122.40 72.00	14628 132	43.71 25.71	
Deania profundorum Laemonema laureysi	37.80 9.12	84 288	13.50 3.26	
Aristeus varidens Gadella imberbis	8.04 7.68	1008 312	2.87	
Chaunax pictus Diplophos sp.	6.00 5.16	24 360	2.14 1.84	
Illex coindetii HALOSAURIDAE	4.80 1.68	12	1.71 0.60	
Nezumia aequalis Hoplostethus cadenati	1.44	48 24	0.51 0.43	
Dibranchus atlanticus Plesiopenaeus edwardsianus	1.20	12 12	0.43	
Total	279.72		99.88	
		PRO	JECT STATIO	N: 28
start stop duration	E: BT No:6	POSIT	ION:Lat S	
TIME :06:43:00 07:13:00 30 (min) LOG :4491.10 4492.70 1.60	Purpose Area code			
FDEPTH: 400 406 BDEPTH: 400 406	GearCond Validity	. code :		
Towing dir: 330° Wire out:1	200 m Spee	ed: 30 k	n*10	
Sorted: 24 Kg Total catch:	360.60	CATCH	/HOUR: 7	21.20
SPECIES	CATCH/H		OF TOT. C	SAMP
Nematocarcinus africanus	498.00 129.00	98878 270	69.05	
Deania profundorum Scorpaena angolensis	24.00	480	17.89 3.33	
HALOSAURIDAE Bathygadus melanobranchus	15.00 11.10	30 30	2.08	
Chaunax pictus Gadella imberbis	10.50 9.00	60 150	1.46	
Laemonema laureysi Aristeus varidens	8.10 7.50	60 660	1.12	
Stereomastis sp. Diplophos sp.	4.50 4.50	390 420	0.62	
Total	721.20		100.00	
		PRO	JECT STATIC	N: 29
start stop duration TIME :08:22:00 08:52:00 30 (min) LOG :4498.30 4499.70 1.40	Purpose Area cod	POSIT code: 3 e : 1	JECT STATIC ION:Lat S Long E	6 4 5 4
start stop duration TIME :08:22:00 08:52:00 30 (min) LOG :4498.30 4499.70 1.40 FDEPTH: 246 252 BDEPTH: 246 252	Purpose Area cod GearCond Validity	POSIT code: 3 e : 1 .code: code: 1	ION:Lat S Long F	6 4 5 4
start stop duration TIME :08:22:00 08:52:00 30 (min) LOG :4498.30 4499.70 1.40 FDEPTH: 246 252 BDEFTH: 246 252 Towing dir: 330* Wire out:	Purpose Area cod GearCond Validity 800 m Spec	POSIT code: 3 e : 1 .code: code: 1 ed: 31 k	ION:Lat S Long E n*10	6 4 5 4
start stop duration TIME :08:22:00 08:52:00 30 (min) LOG :4498.30 4499.70 1.40 FDEPTH: 246 252 BDEPTH: 246 252 Towing dir: 330* Wire out: Sorted: 286 Kg Total catch:	Purpose Area cod GearCond Validity 800 m Spec 193.19	POSIT code: 3 e : 1 .code: code: 1 ed: 31 k: CATCH	ION:Lat S Long F n*10 /HOUR: 3	5 454 5 1120 886.38
start stop duration TIME :08:22:00 08:52:00 30 (min) LOG :4498.30 4499.70 1.40 FDEPTH: 246 252 BDEPTH: 246 252 Towing dir: 330* Wire out: Sorted: 286 Kg Total catch: SPECIES	Purpose Area cod GearCond Validity 800 m Spec 193.19 CATCH/H weight n	POSIT code: 3 e : 1 .code: code: 1 ed: 31 k CATCH OUR 1 umbers	ION:Lat S Long F n*10 /HOUR: S OF TOT. C	5 454 5 1120 886.38
start stop duration TIME :08:22:00 08:52:00 30 (min) LOG :4498.30 4499.70 1.40 FDEPTH: 246 252 BDEPTH: 246 252 Towing dir: 330* Wire out: Sorted: 286 Kg Total catch: SPECIES Pterothrissus belloci Trichiurus lepturus	Purpose Area cod GearCond Validity 800 m Spec 193.19 CATCH/H weight ni 172.00 54.04	POSIT code: 3 e : 1 .code: 1 code: 1 ed: 31 k: CATCH OUR 1 umbers 814 1134	ION:Lat 5 Long 1 n+10 /HOUR: 2 0F TOT. C 44.52 13.99	5 454 5 1120 886.38
start stop duration TIME :08:22:00 08:52:00 30 (min) LOG :4498.30 4499.70 1.40 FDEPTH: 246 252 BDEPTH: 246 252 Towing dir: 330* Wire out: Sorted: 286 Kg Total catch: SPECIES Pterothrissus belloci Trichiurus lepturus WCTOPHIDAE Parabenaeus longirostris	Purpose Area cod GearCond Validity 800 m Spet 193.19 CATCH/H weight n 172.00 54.04 53.20 52.08	POSIT code: 3 code: 1 code: 1 ed: 31 k: CATCH OUR 1 umbers 814 1134 14000 7042	ION:Lat \$ Long I n=10 /HOUR: : 0F TOT. C 44.52 13.99 13.77 13.48	5 454 5 1120 886.38
start stop duration TIME :08:22:00 08:52:00 30 (min) LOG :4498.30 4499.70 1.40 FDEPTH: 246 252 BDEPTH: 246 252 Towing dir: 330* Wire out: Sorted: 286 Kg Total catch: SPECIES Pterothrissus belloci Trichiurus lepturus NCTOPHIDAE Parapenaeus longirostris Merluccius polli OPHIDIIDAE	Purpose Area codi GearCond Validity 600 m Spec 193.19 CATCH/H weight n 172.00 54.04 53.20 52.08 24.08 6.58	POSIT code: 3 e : 1 .code: code: 1 code: 1 ed: 31 k CATCH 0UR 1 umbers 814 1134 1134 126 294	ION:Lat 5 Long 1 n+10 /HOUR: 3 OF TOT. C 44.52 13.99 13.77 13.48 6.23 1.70	5 454 5 1120 886.38 SAMP
start stop duration TIME :08:22:00 08:52:00 30 (min) LOG :4498.30 4499.70 1.40 FDEPTH: 246 252 BDEPTH: 246 252 Towing dir: 330* Wire out: Sorted: 286 Kg Total catch: SPECIES Pterothrissus belloci Trichiurus lepturus MYCTOPHIDAE Parapenaeus longirostris Merluccius polli	Purpose Area cod GearCond Validity 800 m Spec 193.19 CATCH/H veight n 172.00 54.04 53.20 52.08 24.08 6.58 5.18 5.04	POSIT code: 3 e : 1 code: 1 code: 1 ed: 31 k CATCH 0UR 1 umbers 814 114000 7042 126 294 294 294 14	ION:Lat \$ Long H h=10 /HOUR: 1 0F TOT. C 44.52 13.99 13.77 13.48 6.23 1.70 1.34 1.30	5 454 5 1120 886.38 SAMP
start stop duration TIME :08:22:00 08:52:00 30 (min) LOG :4498.30 4499.70 1.40 FDEPTH: 246 252 BDEPTH: 246 252 Towing dir: 330* Wire out: Sorted: 286 Kg Total catch: SPECIES Pterothrissus belloci Trichlurus lepturus MYCTOPHIDE Parapenaeus longirostris Merluccius polli OPHIDIDAE Synagrops microlepis) Purpose Area cod Gearcond validity 800 m Spec 193.19 CATCH/H Veight nu 172.00 54.04 53.20 52.08 24.08 6.58 5.18	POSIT code: 3 e : 1 .code: 1 code: 1 ed: 31 k CATCH OUR 1 umbers 814 1134 14000 7042 126 294 294	ION:Lat \$ Long H Long H /HOUR: 1 0F TOT. C 44.52 13.77 13.48 6.23 1.70 1.34 1.30 0.87 0.72	5 454 5 1120 886.38 SAMP
start stop duration TIME :08:22:00 08:52:00 30 (min) LOG :4498.30 4499.70 1.40 FDEPTH: 246 252 BDEPTH: 246 252 Towing dir: 330* Wire out: Sorted: 286 Kg Total catch: SPECIES Pterothrissus belloci Trichiurus lepturus MCCTOPHIDAE Parapenaeus longirostris Merluccius polli OPHIDTIDAE Synagrops microlepis Brotula barbata Pentheroscion mbizi	Purpose Area cod GearCond Validity 600 m Spect 193.19 CATCH/H weight n 172.00 54.04 53.20 52.08 6.58 5.18 5.04 3.36	POSIT code: 3 e : 1 .code: 1 ed: 31 k CATCH OUR 1 umbers 814 1134 14000 7042 126 294 14	ION:Lat \$ Long I n=10 /HOUR: : 44.52 13.77 13.48 6.23 1.70 1.34 1.30 0.87	5 454 5 1120 886.38 SAMP
start stop duration TIME :08:22:00 08:52:00 30 (min) LOG :4498.30 4499.70 1.40 FDEPTH: 246 252 BDEPTH: 246 252 Towing dir: 330* Wire out: Sorted: 286 Kg Total catch: SPECIES Pterothrissus belloci Trichiurus lepturus MCCTOPHIDAE Parapenaeus longirostris Merluccius polli OPHIDIIDAE Brotula barbata Pentheroscion mbiri Illex coindetii Bembrops heterurus Erythrocles monodi Dibranchus atlanticus	Purpose Area cod GearCond Validity 800 m Spet 193.19 CATCH/H weight n 172.00 54.04 52.08 24.08 6.58 5.18 5.04 3.36 2.80 2.52 2.00 1.40	POSIT code: 3 e : 1 .code: 2 code: 1 ed: 31 k CATCH OUR 1 1134 1134 14000 7042 126 294 14 14 14 14 70 2 28	ION:Lat 5 Long F N=10 /HOUR: 2 13.99 13.77 13.48 6.23 1.30 1.34 1.30 0.67 0.72 0.65 0.52 0.36	5 454 5 1120 886.38 SAMP
start stop duration TIME :08:22:00 08:52:00 30 (min) LOG :4498.30 4499.70 1.40 PDEPTH: 246 252 BDEPTH: 246 252 Towing dir: 330° Wire out: Sorted: 286 Kg Total catch: SPECIES Pterothrissus belloci Trichiurus lepturus WYCTOPHIDAE Parapenaeus longirostris Merluccius polli OPHIDIIDAE Synagrops microlepis Brotula barbata Pentheroscion mbiri Illex coindetii Bembrops heterurus Erythrocles monodi	Purpose Area cod GearCond Validity 800 m Spet 193.19 CATCH/H veight n 172.00 54.04 52.08 24.08 6.58 5.18 5.04 3.36 2.80 2.52 2.00	POSIT code: 3 .code: 1 .code: 1 ed: 31 k CATCH OUR 1 umbers 814 1134 14000 7042 126 294 294 294 14 14 14 14	ION:Lat \$ Long H Long H /HOUR: 3 OF TOT. C 44.52 13.99 13.77 13.48 6.23 1.70 1.34 1.30 0.87 0.72 0.65 0.52	5 454 5 1120 886.38 SAMP
start stop duration TIME :08:22:00 08:52:00 30 (min) LOG :4498.30 4499.70 1.40 PDEPTH: 246 252 BDEPTH: 246 252 Towing dir: 330* Wire out: Sorted: 286 Kg Total catch: SPECIES Pterothrissus belloci Trichiurus lepturus MYCTOPHIDAE Parapenaeus longirostris Merluccius polli OPHIDIDAE Synagrops microlepis Brotula barbata Pentheroscion mbizi 111ex coindetii Bembrops heterurus Erythrocles monodi Dibranchus atlanticus Stereomastis sp.	Purpose Area cod GearCond Validity 800 m Spet 193.19 CATCH/H weight n 172.00 54.04 52.08 24.08 6.58 5.18 5.04 3.36 2.80 2.52 2.00 1.40	POSIT code: 3 .code: 1 .code: 1 ed: 31 k CATCH OUR 1 134 1134 14000 7042 126 294 294 294 294 294 294 294 294 294 294	ION:Lat \$ Long R +10 /HOUR: 3 OF TOT. C 44.52 13.99 13.77 13.48 6.23 1.70 1.34 1.30 0.87 0.72 0.65 0.52 0.36	5 454 5 1120 886.38 SAMP
start stop duration TIME :08:22:00 08:52:00 30 (min) LOG :4498.30 4499.70 1.40 FDEPTH: 246 252 Towing dir: 330* Wire out: Sorted: 286 Kg Total catch: SPECIES Pterothrissus belloci Trichiurus lepturus MICTOPHIDAE Parapenaeus longirostris MICTOPHIDAE Parapenaeus longirostris MICTOPHIDAE Parapenaeus longirostris Brotula barbata Pentheroscion mbizi Illex coindetii Bembrops beterurus Erythrocles monodi Dibranchus atlanticus Stereomastis sp. Trachurus trecae Total	Purpose Area cod GearCond Validity 800 m Spet 193.19 CATCH/H veight n 172.00 54.04 52.08 24.08 6.58 5.04 3.36 2.80 2.52 2.00 1.40 0.70	POSIT code: 3 e : 1 .code: 1 code: 1 rd: 31 k CATCH 0UR 1 umbers 814 1134 14000 7042 126 294 14 14 14 00 294 14 14 14 14 14 14 14 12 28 112 14	ION:Lat \$ E Long # Long	5 454 5 1120 186.38 SAMP 52 52 0N: 30 5 439
start stop duration TIME :08:22:00 08:52:00 30 (min) LOG :4498.30 4499.70 1.40 FDEPTH: 246 252 Towing dir: 330* Wire out: Sorted: 286 Kg Total catch: SPECIES Pterothrissus belloci Trichiurus lepturus MYCTOPHIDAE Parapenaeus longirostris MYCTOPHIDAE Parapenaeus longirostris MYCTOPHIDAE Parapenaeus longirostris MYCTOPHIDAE Parapenaeus longirostris Brotula barbata Pertheroicion mbiri 111ex coindetii Bembrops microlepis Brotula barbata Pertheroicion mbiri 112 Bebtrops beterurus Erythrocles monodi Dibranchus atlanticus Stereomastis sp. Total DATE:21/ 8/94 CEAR TYI start stop duration	Purpose Area cod GearCond Validity 800 m Speci 193.19 CATCH/H weight 172.00 54.04 53.20 52.08 54.08 6.58 5.18 5.04 3.36 2.80 2.52 2.00 1.40 1.40 1.40 3386.38	POSIT code: 3 e : 1 .code: 1 code: 1 ed: 31 k CATCH 0UR 1 umbers 814 1134 14000 7042 126 294 14 14 14 14 14 14 14 14 14 14 14 14 14	ION: Lat \$ Long H +10 /HOUR: 1 0F TOT. C 44.52 13.99 13.77 13.48 6.23 1.70 1.34 6.23 1.34 0.65 0.52 0.65 0.52 0.36 0.18 99.99 JECT STATIC ION: Lat \$ Long H	5 454 5 1120 186.38 SAMP 52 52
start stop duration TIME :08:22:00 08:52:00 30 (min) LOG :4498.30 4499.70 1.40 FDEPTH: 246 252 BDEPTH: 246 252 Towing dir: 330* Wire out: Sorted: 286 Kg Total catch: SPECIES Pterothrissus belloci Trichiurus lepturus MYCTOPHIDAE Parapenaeus longirostris Merluccius polli OPHIDTIDAE Synagrops microlepis Brotula barbata Pentheroscion mbizi Iller coindetii Bembrops microlepis Brotula stlanticus Stereomastis sp. Trachurus trecae Total DATE:21/ 8/94 CEAR TYI start stop duration TIME: 14:05:00 14:35:00 30 (min) LOG :3548.30 3550.00 1.70	Purpose Area cod GearCond Validity 600 m Speet 193.19 CATCH/H weight m 172.00 54.04 53.20 52.08 6.58 5.04 5.20 6.58 5.04 5.20 6.58 5.04 1.36 2.80 2.52 2.00 1.40 1.40 1.40 0.70 386.38	POSIT code: 3 e : 1 .code: 1 .code: 2 .code: 1 ed: 31 k CATCH 0UTR 1 14000 7042 126 1294 294 294 294 294 294 294 294 14 14 14 10 0 2 28 112 14 14 11 2 28 112 14 14 .code: 1 28 112 14 .code: 1 .code: 1 .code: 1 .code: 1 .code: 1 .code: 1 .code: 1 .strongent .code: 1 .strongent .strongent .code: 1 .strongent .code: 1 .strongent .code: 1 .strongent .code: 1 .strongent .code: 1 .strongent .code: 1 .strongent .code: 1 .strongent .code: 1 .strongent .code: 1 .strongent .code: 3 .strongent .code: 3 .strongent .strongent .strongent .code: 3 .strongent	ION:Lat 5 Long 6 Long 7 OF TOT. C 44.52 13.99 13.97 13.48 6.23 1.70 0.87 0.72 0.65 0.52 0.36 0.36 0.18 	5 454 5 1120 186.38 SAMP 52 52 0N: 30 5 439
start stop duration TIME :08:22:00 08:52:00 J0 (min) LOG :4498.30 4499.70 1.40 FDEPTH: 246 252 BDEPTH: 246 252 Towing dir: 330* Wire out: Sorted: 286 Kg Total catch: SPECIES Pterothrissus belloci Trichiurus lepturus MYCTOPHIDAE Paragenaeus longirostris Merluccius polli OPHIDIIDAE Synagrops microlepis Brotula barbata Pretheroscion mbizi 11ex coindetii Bembrops beterurus Erythrocles monodi Dibranchus atlanticus Stereomastis sp. Trachurus trece Total DATE:21/ 8/94 CEAR TYI start stop duration TIME :14:05:00 14:35:00 30 (min) LOG :3548.30 3550.00 1.70 FDEPTH: 69 72 BDETH: 69 72 Toving dir: 310* Wire out:	Purpose Area cod GearCond Validity 800 m Spect 193.19 CATCH/H weight n 172.00 53.20 53.	POSIT code: 3 e : 1 .code: 1 code: 1 code: 1 red: 31 k CATCH 0UR 1134 14000 7042 126 294 14 14 14 14 14 70 294 14 14 14 14 14 14 14 14 14 14 14 14 14	ION: Lat \$ Long R Long R (HoUR: 1 0F TOT. C 44.52 13.77 13.48 6.23 1.70 1.34 6.23 1.70 0.72 0.65 0.52 0.36 0.18 99.99 JECT STATIC ION: Lat \$ Long R	5 454 5 1120 186.38 SAMP 52 52 0N: 30 5 439 5 1126
start stop duration TIME :08:22:00 08:52:00 30 (min) LOG :4498.30 4499.70 1.40 FDEFTH: 246 252 BDEPTH: 246 252 Towing dir: 330* Wire out: Sorted: 286 Kg Total catch: SPECIES Pterothrissus belloci Trichiurus lepturus MCTOPHIDAE Parapenaeus longirostris Merluccius polli OPHIDIDAE Brotula barbata Pentheroscion mbiri Illex coindetii Bembrops microlepis Brotula barbata Pentheroscion mbiri Illex coindetii Bebrops heterurus Erythrocles monodi Dibranchus atlanticus Stereomastis sp. Trachurus trecae Total DATE:21/ 8/94 GEAR TYI start stop duration TIME :14:05:00 14:35:00 30 (min) LOG :3548.30 3550.00 1.70 FDEFTH: 69 72 Towing dir: 310* Wire out: Sorted: 144 Kg Total catch:	Purpose Area cod GearCond Validity 600 m Spect 193.19 CATCH/HW Weight n 172.00 54.04 53.20 52.08 6.58 5.04 3.36 2.80 2.52 2.000 1.40 1.40 0.70 386.38 PE: BT No:1 9 Purpose Area cod GearCond Validity 300 m Spect 814.68	POSIT code: 3 e : 1 .code: 1 code: 1 ed: 31 k CATCH 0UTR 1 14000 7040 294 294 294 294 294 294 294 294 294 14 14 10 0 2 295 112 14 14 10 2 28 112 14 14 10 2 28 29 29 29 29 29 29 29 29 29 29 29 29 29	ION:Lat 5 Long F Long F OF TOT. C 44.52 13.99 13.97 13.48 6.23 1.70 0.72 0.65 0.52 0.36 0.18 	5 454 5 1120 186.38 SAMP 52 52 52 52 52 52 52 52 52 52
start stop duration TIME :08:22:00 08:52:00 30 (min) LOG :4498.30 4499.70 1.40 FDEPTH: 246 252 BDEPTH: 246 252 Towing dir: 330* Wire out: Sorted: 286 Kg Total catch: SPECIES Pterothrissus belloci Trichiurus lepturus MCTOPHIDAE Parapenaeus longirostris Merluccius polli OPHIDIDAE Brotula barbata Pentheroscion mbizi Illex coindetii Bembrops microlepis Brotula barbata Pentheroscion mbizi Illex coindetii Bebrops heterurus Erythrocles monodi Dibranchus atlanticus Stereomastis sp. Trachurus trecae Total DATE:21/ 8/94 GEAR TYI LOG :3548.30 3550.00 1.70 FDEFTH: 69 72 Towing dir: 310* Wire out: Sorted: 144 Kg Total catch: SPECIES	Purpose Area cod GearCond Validity 800 m Speet 193.19 CATCH/H weight 172.00 54.08 6.58 5.04 3.36 2.4.08 6.58 5.18 5.04 3.36 2.80 2.52 2.00 1.40 1.40 1.40 386.38 PE: BT No:1 9 Purpose Area cod GearCond Validity 814.68 CATCH/H weight n	POSIT code: 3 .code: 1 .code: 1 .code: 1 .code: 1 .code: 1 .code: 1 .code: 3 .14 .1134 .14000 .224 .294 .294 .294 .294 .294 .294 .294	ION:Lat 5 Long F Long F OF TOT. C 44.52 13.99 13.97 13.48 6.23 1.70 0.72 0.65 0.52 0.36 0.18 	5 454 5 1120 186.38 SAMP 52 52 52 52 52 52 52 52 52 52
start stop duration TIME :08:22:00 08:52:00 30 (min) LOG :4498.30 4499.70 1.40 FDEPTH: 246 252 BDEPTH: 246 252 Towing dir: 330* Wire out: Sorted: 286 Kg Total catch: SPECIES Pterothrissus belloci Trichiurus lepturus MCTOPHIDAE Parapenaeus longirostris Merluccius polli OPHIDIDAE Brotula barbata Pentheroscion mbiri Illex coindetii Bembrops microlepis Brotula barbata Pentheroscion mbiri Illex coindetii Bebrops heterurus Erythrocles monodi Dibranchus atlanticus Stereomastis sp. Trachurus trecae Total DATE:21/ 8/94 GEAR TYI start stop duration TIME :14:05:00 14:35:00 30 (min) LOG :3548.30 3550.00 1.70 FDEPTH: 69 72 TOWING dir: 310° Wire out: Sorted: 144 Kg Total catch: SPECIES	Purpose Area cod GearCond Validity 600 m Spect 193.19 CATCH/H weight 177.00 54.04 53.20 52.08 5.20 52.08 6.58 5.18 5.04 3.36 2.80 2.4.08 6.58 5.18 5.04 3.36 2.80 2.52 2.00 1.40 1.40 1.40 386.38 PE: BT No:1 9 Purpose Area cod GearCond Validity 386.38 PE: AT No:1 9 Purpose 814.68 CATCH/H weight n 753.80 709.00	POSIT code: 3 .code: 1 .code: 1 .code: 1 .code: 1 .code: 1 .code: 1 .134 1134 14000 126 294 294 294 294 294 294 294 294 294 14 14 14 10 2 28 112 14 14 12 12 12 12 12 12 12 12 12 12 12 12 12	ION: Lat 5 Long F Long F OF TOT. C 44.52 13.99 13.97 13.48 6.23 1.70 0.72 0.62 0.52 0.52 0.36 0.18 	5 454 5 1120 186.38 SAMP 52 52 52 52 52 52 52 52 52 52
start stop duration TIME :08:22:00 08:52:00 J0 (min) LOG :4498.30 4499.70 1.40 FDEPTH: 246 252 BDEPTH: 246 252 Towing dir: 330* Wire out: Sorted: 286 Kg Total catch: SPECIES Pterothrissus belloci Trichiurus lepturus MicTOPHIDAE Parapenaeus longirostris Merlucciu polli OPHIDIDAE Synagrops microlepis Brotula barbata Pertheroscion mbiri Illex coindetii Bembrops beterurus Erythrocles monodi Dibranchus atlanticus Stereomastis sp. Trachurus trecae Total DATE:21/ 8/94 CEAR TYI Start stop duration TIME :14:05:00 14:35:00 30 (min) LOG :3548.30 3550.00 1.70 FDEPTH: 69 72 Towing dir: 310* Wire out: Sorted: 144 Kg Total catch: SPECIES Trichiurus trecae Synagrops microlepis Rate of the start stop duration Tachurus trecae Synagrops microlepis Rate of the start stop duration Total	Purpose Area cod GearCond Validity 600 m Spect 193.19 CATCH/H veight 172.00 54.04 53.20 52.08 5.20 52.08 5.20 52.08 5.20 52.08 5.20 52.08 5.20 52.08 5.20 52.08 5.20 52.08 5.20 52.08 5.20 52.08 5.20 52.08 5.20 5.20 5.20 5.20 5.20 5.20 5.20 5.20	POSIT code: 3 e : 1 .code: code: 1 ed: 31 k CATCH OUR 1 1134 14000 294 294 294 294 294 14 14 10 295 112 126 294 294 14 14 10 295 112 126 294 294 126 294 294 126 294 294 126 294 294 126 294 294 126 294 126 294 294 126 294 294 126 294 294 126 294 126 294 294 126 294 294 126 294 294 126 294 294 294 294 294 294 294 294	ION: Lat 5 Long F Long F OF TOT. C 44.52 13.99 13.97 13.48 1.70 13.48 0.72 0.62 0.52 0.52 0.52 0.52 0.52 0.52 0.18 	5 454 5 1120 186.38 5AMP 52 52 529.36 529.36 5AMP
start stop duration TIME :08:22:00 08:52:00 J0 (min) LOG :4498.30 4499.70 1.40 FDEPTH: 246 252 BDEPTH: 246 252 Towing dir: 330* Wire out: Sorted: 286 Kg Total catch: SPECIES Pterothrissus belloci Trichiurus lepturus MicTOPHIDAE Parapenaeus longirostris Merlucciu polli OPHIDIDAE Synagrops microlepis Brotula barbata Pentheroscion mbiri Illex coindetii Bembrops beterurus Erythrocles monodi Dibranchus atlanticus Stereomastis sp. Trachurus trecae Total DATE:21/ 8/94 CEAR TYI Start stop duration TIME :14:05:00 14:35:00 30 (min) LOG :3548.30 3550.00 1.70 FDEFTH: 69 72 DOPTH: 69 72 Towing dir: 310° Wire out: Sorted: 144 Kg Total catch: SPECIES Trichiurus trecae Synagrops microlepis Brotula barbata Species Brotula barbata Species Brotula barbata Species Brotula barbata Species Brotula barbata Species Brotula barbata	Purpose Area cod GearCond Validity 600 m Spet 193.19 CATCH/H weight 172.00 54.04 53.20 52.08 5.20 52.08 5.20 52.08 5.20 52.08 5.20 52.08 5.20 52.08 5.20 52.08 5.20 52.08 5.18 5.04 3.36 2.80 2.52 2.00 1.40 1.40 0.70 386.38 PE: BT No:1 0 Purpose Area cod GearCond Validity 300 Spet 814.68 CATCH/H weight n 753.80 709.00 52.22 51.52 15.68 15.20	POSIT code: 3 e : 1 .code: code: 1 ed: 31 k CATCH OUR 1 1134 14000 126 294 294 294 294 14 14 10 295 112 14 10 28 112 14 10 28 112 14 10 28 112 126 294 294 294 126 294 126 294 294 126 294 126 294 126 294 126 294 126 294 126 294 126 294 126 294 126 294 126 294 126 294 126 294 126 126 126 126 126 126 126 126	ION: Lat 5 Long F Long F OF TOT. C 44.52 13.99 13.97 13.48 1.70 13.48 0.77 13.48 0.72 0.62 0.52 0.52 0.52 0.52 0.52 0.52 0.52 100: Lat 5 Long 1 p9.99 JECT STATIC Long 1 0.65 0.18 0.95 0.93 1.60 0.93	5 454 5 1120 186.38 SAHP 52 52 529.36 SAMP
start stop duration TIME :08:22:00 08:52:00 J0 (min) LOG :4498.30 4499.70 1.40 FDEPTH: 246 252 BDEPTH: 246 252 Towing dir: 330* Wire out: Sorted: 286 Kg Total catch: SPECIES Pterothrissus belloci Trichiurus lepturus MCTOPHIDE Parapenaeus longirostris Merlucciu polli OPHIDIDAE Synagrops microlepis Brotula barbata Pertheroscion mbiri Illex coindetii Bembrops heterurus Erythrocles monodi Dibranchus atlanticus Stereomastis sp. Trachurus trecae Total DATE: 21/ 8/94 GEAR TYI Start stop duration TIME :14:05:00 14:35:00 30 (min) LOG :3548.30 3550.00 1.70 FDEPTH: 69 72 Towing dir: 310* Wire out: Sorted: 144 Kg Total catch: SPECIES Trichiurus trecae Synagrops microlepis Brotula barbata SPECIES Trichiurus trecae Synagrops microlepis Brotula barbata Species Brotula barbata Species Trichiurus trecae Synagrops microlepis Raja miraletus Brotula barbata Cymoponticus ferox Panulirus regius Dentex anglemas	Purpose Area cod GearCond Validity 600 m Spect 193.19 CATCH/H weight 193.19 CATCH/H weight 53.20 52.08 5.20 52.08 5.20 52.08 5.20 52.08 5.20 5.20 5.20 5.20 5.20 5.20 5.20 5.20	POSIT code: 3 e : 1 .code: 1 code: 31 k CATCH OUR 1 1134 14000 126 294 294 294 294 294 14 14 10 295 112 126 294 294 14 14 70 295 112 126 294 294 294 294 294 294 294 294	ION: Lat 5 Long F Long F OF TOT. C 44.52 13.99 13.97 13.48 1.70 13.48 1.70 1.34 1.70 0.72 0.52 0.52 0.52 0.52 0.52 0.52 0.52 1.00	5 454 5 1120 186.38 SAMP 52 52 52 52 52 52 52 52 52 52 52 52 52
start stop duration TIME :08:22:00 08:52:00 J0 (min) LOG :4498.30 4499.70 1.40 FDEPTH: 246 252 BDEPTH: 246 252 Towing dir: 330* Wire out: Sorted: 286 Kg Total catch: SPECIES Pterothrissus belloci Trichiurus lepturus MicCTOPHIDAE Parapenaeus longirostris Merlucciu polli OPHIDIDAE Synagrops microlepis Brotula barbata Pentheroscion mbiri Illex coindetii Bembrops beterurus Erythrocles monodi Dibranchus atlanticus Stereomastis sp. Trachurus trecae Total DATE:21/ 8/94 CEAR TYI Start stop duration TIME :14:05:00 14:35:00 30 (min) LOG :3548.30 3550.00 1.70 FDEPTH: 69 72 BDEPTH: 69 72 Towing dir: 310* Wire out: Sorted: 144 Kg Total catch: SPECIES Trichiurus trecae Synagrops microlepis Brotula barbata Cymoponticus ferox Panalistus Brotula barbata Cymoponticus ferox Panalistus Brotula barbata Cymoponticus ferox Panalistus Brotula barbata Cymoponticus ferox Panalistus Brotula barbata Cymoponticus ferox Panalistus Brotula barbata Cymoponticus ferox Panalistus Brotula barbata Cymoponticus ferox Panalistus Sardinella aurita CR A B S	Purpose Area cod GearCond Validity 600 m Spect 193.19 CATCH/H veight 172.00 51.20 51.20 52.08 6.58 6.58 6.58 6.58 6.58 5.18 5.04 3.36 2.80 2.52 2.00 1.40 1.40 0.70 386.38 PE: BT No:1) Purpose 814.68 CATCH/H veight n 753.80 750.90 52.22 51.52 15.68 15.20 6.16 5.16 4.26 3.36	POSIT code: 3 e : 1 .code: 1 code: 1 ed: 31 k CATCH 0UR 1 14000 126 294 294 294 294 294 294 294 294 294 294	ION: Lat 5 Long F Long F OF TOT. C 44.52 13.99 13.97 13.48 1.70 1.34 1.70 1.34 1.70 0.72 0.52 0.52 0.52 0.52 0.52 0.52 0.52 0.52 0.52 0.52 0.18 99.99 JECT STATIC ION: Lat 5 Long 1 	5 454 5 1120 186.38 5AMP 52 52 529.36 529.36 5AMP
start stop duration TIME :08:22:00 08:52:00 J0 (min) LOG :4498.30 4499.70 1.40 FDEPTH: 246 252 Towing dir: 330* Wire out: Sorted: 286 Kg Total catch: SPECIES Pterothrissus belloci Trichiurus lepturus MYCTOPHIDAE Parapenaeus longirostris MYCTOPHIDAE Parapenaeus longirostris SPECIES Trichiurus lepturus Trachurus trecae Synagrops microlepis Raja miraletus Brotula barbata Cynoponticus ferox Panulirus regius Dentex angolensis Sardinella aurita CR A B S Torpedo torpedo Citharus linguatula	Purpose Area cod GearCond Validity 600 m Spect 193.19 CATCH/H veight 172.00 53.20 53.50 53.20 53.50 55.50 55.50 55.50 55.50 55.50 55.50 55.50 55.50 55.50 55.50 55.50 55.50 55.50	POSIT code: 3 e : 1 .code: 1 code: 3 sode: 1 ed: 31 k CATCH OUR 1 1134 14000 126 294 294 294 294 294 294 14 14 70 295 112 126 294 294 126 294 294 294 126 294 294 126 294 294 294 294 294 294 294 294	ION: Lat 5 Long F Long F OF TOT. C 44.52 13.99 13.97 13.48 1.70 13.48 0.77 13.48 0.72 0.72 0.5	5 454 5 1120 186.38 SAMP 52 52 52 52 52 52 52 52 52 52 52 52 52
start stop duration TIME :08:22:00 08:52:00 J0 (min) LOG :4498.30 4499.70 1.40 FDEPTH: 246 252 BDEPTH: 246 252 Towing dir: 330* Wire out: Sorted: 286 Kg Total catch: SPECIES Pterothrissus belloci Trichiurus lepturus MCCTOPHIDAE Parapenaeus longirostris Merlucciu polli OPHIDIDAE Brotula barbata Pentheroscion mbiri Illex coindetii Bembrops beterurus Erythrocles monodi Dibranchus atlanticus Stereomastis sp. Trachurus trecae Total DATE:21/ 8/94 CEAR TYI start stop duration TIME :14:05:00 14:35:00 30 (min) LOG :3548.30 3550.00 1.70 FDEPTH: 69 72 BDEPTH: 69 72 Towing dir: 310* Wire out: Sorted: 144 Kg Total catch: SPECIES Trichiurus trecae Synagrops microlepis Brotula barbata Cynoponticus ferox Panalista Brotula barbata Cynoponticus ferox Panalista regius Brotula barbata Cynoponticus ferox Panalista seriatus Sardinella aurita C R A B S Torpedo torpedo Citharus linguatula Priacanthus arenatus Sepia sp.	Purpose Area cod GearCond Validity 600 m Spect 193.19 CATCH/H weight 172.00 54.04 53.20 52.08 6.58 6.58 6.58 6.58 6.58 6.58 6.58 5.18 5.04 3.36 2.80 2.52 2.00 1.40 1.40 0.70 386.38 PE: BT No:1) Purpose 814.68 CATCH/H weight n 753.80 709 00 52.22 51.52 15.68 15.20 6.16 5.16 4.26 3.36 3.36 3.36 3.36 3.36 3.36 3.36 3	POSIT code: 3 e : 1 .code: 1 code: 3 sode: 3 ed: 31 k CATCH OUR 1 1134 14000 126 294 294 294 294 294 294 14 14 70 295 112 126 294 294 126 294 294 294 14 14 70 28 112 126 294 294 294 294 294 294 294 294	ION: Lat 5 Long F Long F OF TOT. C 44.52 13.99 13.97 13.48 1.70 1.34 1.70 1.34 1.70 0.72 0.52	5 454 5 1120 186.38 SAMP 52 52 52 52 52 52 52 52 52 52 52 52 52
start stop duration TIME :08:22:00 08:52:00 J0 (min) LOG :4498.30 4499.70 1.40 FDEPTH: 246 252 Towing dir: 330* Wire out: Sorted: 286 Kg Total catch: SPECIES Pterothrissus belloci Trichiurus lepturus MYCTOPHIDAE Parapenaeus longirostris MYCTOPHIDAE Parapenaeus longirostris Brotula barbata Titachurus trecae Total DATE: 21/ 8/94 CEAR TYI Start stop duration TIME : 14:05:00 14:35:00 30 (min) LOG : 3548.30 3550.00 1.70 FDEPTH: 69 72 BDEPTH: 69 72 BDEPTH: 69 72 Towing dir: 310* Wire out: Sorted: 144 Kg Total catch: SPECIES Trichiurus lepturus Trachurus trecae Synagrops microlepis Raja miraletus Brotula barbata Cynoponticus ferox Panulirus regius Dentex angolensis Sardinella aurita C R A B S Torpedo torpedo Citharus linguatula Priacanthus arenatus Sepia sp. Sepia bertbeloti Pagellus belottii	Purpose Area cod GearCond Validity 600 m Spect 193.19 CATCH/H veight 172.00 51.20 52.08 6.58 6.58 6.58 6.58 6.58 6.58 6.58 6.5	POSIT code: 3 e : 1 .code: 1 code: 1 ed: 31 k CATCH 0UR 1 14000 126 294 294 294 294 294 294 294 294 294 294	ION: Lat 5 Long F Long F OF TOT. C 44.52 13.99 13.97 13.48 1.70 1.34 1.70 1.34 1.70 1.34 1.70 0.72 0.52	5 454 5 1120 186.38 SAMP 52 52 52 52 52 52 52 52 52 52 53
start stop duration TIME :08:22:00 08:52:00 30 (min) LOG :4498.30 4499.70 1.40 FDEPTH: 246 252 BDEPTH: 246 252 Towing dir: 330* Wire out: Sorted: 286 Kg Total catch: SPECIES Pterothrissus belloci Trichiurus lepturus WYCTOPHIDAE Parapenaeus longirostris Merluccius polli OPHIDITAE Synagrops microlepis Brotula barbata Pentheroscion mbizi Iller coindetii Bembrops heterurus Erythrocles monodi Dibranchus atlanticus Stereomstis sp. Trachurus trecae Total DATE: 21/ 8/94 CEAR TYI start stop duration TIME :14:05:00 14:35:00 30 (min) LOG :3548.30 3550.00 1.70 FDEPTH: 69 72 BDEPTH: 69 72 Towing dir: 310* Wire out: Sorted: 144 Kg Total catch: SPECIES Trichiurus lepturus Trachurus trecae Synagrops microlepis Brotula barbata Cynaponticus ferox Panulirus regius Dentex angolemiss Sardinella aurita C R A B S Torpedo torpedo Citharus linguatula Sepia sp.	Purpose Area cod GearCond Validity 800 m Spet 193.19 CATCH/H veight n 172.00 52.08 24.08 5.18 5.18 5.18 5.04 1.36 2.52 2.00 1.40 0.70 3386.38 PE: BT No:1 0 Purpose Area cod GearCond Validity 300 m Spet 814.68 CATCH/H veight n 753.80 709.00 52.22 51.52 15.20 6.16 5.16 814.68 24.22 25.22 25.22 25.22 25.52 25.68 15.20 6.16 5.16 2.22 2.52 2.22 2.52 2.52 2.52 2.52 2.5	POSIT code: 3 e : 1 .code: 1 ed: 31 k CATCH 0UTR 1 1134 1134 1134 1134 1134 1294 294 294 294 294 294 14 14 14 14 14 14 14 14 14 14 14 14 14	ION: Lat 5 Long 6 Long 7 ION: Lat 5 OF TOT. C 44.52 13.99 13.77 13.48 6.23 1.70 1.34 0.87 0.72 0.65 0.36 0.36 0.36 0.38 	5 454 5 1120 186.38 SAMP 52 52 52 52 52 52 52 52 52 52 53
start stop duration TIME :08:22:00 08:52:00 30 (min) LOG :4498.30 4499.70 1.40 FDEPTH: 246 252 BDEPTH: 246 252 Towing dir: 330* Wire out: Sorted: 286 Kg Total catch: SPECIES Pterothrissus belloci Trichiurus lepturus WYCTOPHIDAE Parapenaeus longirostris Merluccius polli OPHIDITAE Synagrops microlepis Brotula barbata Pentheroscion mbizi Iller coindetii Bembrops heterurus Erythrocles monodi Dibranchus atlanticus Stereomastis sp. Trachurus trecae Total DATE:21/ 8/94 GEAR TYI start stop duration TIME :14:05:00 14:35:00 30 (min) LOG :3548.30 3550.00 1.70 FDEPTH: 69 72 BDEPTH: 69 72 Towing dir: 110* Wire out: Sorted: 144 Kg Total catch: SPECIES Trichiurus lepturus Trachurus trecae Synagrops microlepis Brotula barbata Cynaponticus ferox Panulirus regius Dentex angolemis Sardinella aurita C R A B S Torpedo torpedo Citharus linguatula Priacanthus arenatus Sepia sp.	Purpose Area cod GearCond Validity 600 m Spect 193.19 CATCH/H veight 172.00 51.20 52.08 6.58 6.58 6.58 6.58 6.58 6.58 6.58 6.5	POSIT code: 3 e : 1 .code: 1 .code: 1 ed: 31 k CATCH 0UTR 1 134 1400 7042 294 294 294 294 294 294 294 14 14 14 14 14 14 14 14 14 14 14 14 14	ION: Lat 5 Long 6 Long 7 OF TOT. C 44.52 13.99 13.77 13.48 6.23 1.70 1.34 1.34 1.30 0.87 0.72 0.65 0.36 0.36 0.36 0.38 	5 454 5 1120 186.38 SAMP 52 52 52 52 52 52 52 52 52 52 53

DATE: 22/ 8/94 GEAR TYP: start stop duration TIME :01:28:00 01:58:00 30 (min) LOG :3631 90 3613.80 1.90 FDEFTH: 0 .0 BDEPTN: 23 25 TOWING dir: 140* Wire out: J Sorted: 62 Kg Total catch:	Area cod GearCond Validity 40 m Spe	POSITI code: 1 code: 1 code: code: 1 ed: 38 kn	Long i •10	s 425 E 1127	5: B D D T T T R 2: C U U
Trichiurus lepturus HydrOpHDAB Trachurus trecae Shrimpe, small, non comm. Sepia sp. Lestidiopus sp. Illex coindetii Total	96,77 92,90 5,85 3,21 0,27 0,15 0,12 199,27	24387 44981 12 2570 8 12 4	48.62 46.68 2.94 1.61 0.14 0.08 0.06		
SPECIES	CATCH/H weight n	our unbers	OF TOT. C		
DATE:21/8/94 GEAR TYP start stop duration TTME :19:15:00 19:46:00 31 (min) LOG :3578:30 3580 90 2.10 FOEFTM: 20 20 BDEFTM: 760 610 TOVING dir: 90" Wire out: 1 Sorted: 51 Kg Total catch:	Area cod GearCond Validity 110 m Spe	POSITI code: 1 code: 2 code: 2 code: 4 ed: 42 kn	Long :	5 445 E 1107	233 36 80 57 7 7
					Pi Sj Pi Pi
Total	242.28	a	0.17		T: 1. 2.
Sardinella maderensis Lestidiopus sp. Spicara alta OPHIDIIDAE Citharus linguatula Zemopsis conchifer Pontinus accraensis	2.16 2.00 1.60 0.80 0.80 0.80 0.80	8 368 8 16 16 8 8	0.89 0.83 0.66 0.33 0.33 0.33 0.33		S P C D T
Sepia ap. Cynoponticum ferox Sardinella surita Brotula barbata Tliex coindetii	8.96 4.24 4.00 3.36 3.12 2.40	56 432 8 8 8 24	3,70 1,75 1,65 1,39 1,29 0,99		
Chiorophta Canalicusts Trichurus lepturus Shrimpe, small, non comm. MyCTOPHIDAE Parapenaeus longirostris Synagrops microlepis Pterothrissus belloci	44.64 39.84 25.92 21.60 15.24 12.40	9504 456 33120 12816 2440 768	19.81 18.42 16.44 10.70 8.92 6.29 5.12	37	
SPECIES Umbrina canariensis	weight I		DF TOT. C	зан р 57	
DATE:21/0/94 GEAR TYP start stop duration TIME :17:33:00 18:03:00 30 (min) LOG :3569.60 3571.00 1.40 FDEFTH: 198 200 BDEFTH: 198 200 Towing dir: J20 Wire out: 0 Sorted: 121 Kg Total catch:	GearConk Validity 550 m Spe	code: 3 le : 1 l.code: code: 1	Long *10	5 444	I T M P N N L I T N G C T
Total	791.78		99,99		5 C 2 5 1
Illex coindétii Chelidonichthys gabonensis Gadella imberbis	0.60 0.55 0.55	51 5 5	0.08 0.07 0.07		S E M
Zeus faber Torpedo torpedo Uranoscopus albesca Liza ramada Idiastion sp.	1.98 1.55 1.38 1.11 0.83	12 5 23 134 12	0.25 0.20 0.17 0.14 0.10		
Brotula barbata Raja miraletus Sardinella aurita Citharus linguatula Pontinus accraensis	3.65 2.26 2.22 2.22 3.15	23 5 5 67 16	0.45 0.29 0.28 0.28 0.28		
Branchiostegus semifasciatus SCORPARMIDAE S N R I M P S Galeorhinus galeus Pestheroscion abizi	18.78 16.06 13.06 11.91 11.28	21 28 5935 5 60	2.37 2.03 1.65 1.50 1.42		
Synagropa microlepis Pseudotolithus brachygmathus Destex angolensis Cymoponticus ferox Argyrosomus hololepidotus Octopus vulgaris	60.92 37.11 35.72 26.54 24.92 22.48	23049 122 122 5 2 12	7.69 4.69 4.51 3.35 3.15 2.84	56 54	5 5 1
Trichiurus lepturus Umbrina canariensis	weight 411.92 80.03	1025 136	OF TOT. C 52.02 10.11	SAMP 55	5
BDEPTH: 109 106 Towing dir: 350* Wire out: Sorted: 134 Kg Total catch:	400 m Spe	y code: 1 Ned: 30 kr CATCH,		791.79	
atart stop duration TIME :15:56:00 16:22:00 26 (min) LCG :3559.80 3561.00 1.20 FDEPTH: 109 106	Gearcon	code: 3 de : 1 d.code:		S 443 E 1119	
	10. 9m Mar		ECT STATI		

SPECIES	CATCH	I/HOUR	N OF TOT. C	SAH
	weight	numbers		
Sardinella maderensis	1590.00	19240	49.91	58
Sardinella aurita	490.00	6880	15.38	55
SHARKS	400.00	20	12.55	
SPHYRNIDAE	300,00	12	9.42	
Brachydeuterus suritus	268.00	21440	8.41	
Ilisha africana	53.20	920	1.67	
Selene dorsalis	44.80	720	1.41	
Sphyraena guachancho	25.60	240	0.80	
Sepia sp.	10.00	280	0.31	
Pteroscion peli	4.00	160	0.13	
Total	3185.60		99,99	

start stop duration	TPE: PT No:1	POSITI	ECT STATIG	426
TARE :04:50:00 05:20:00 30 (mi LOG :3658.40 3659.90 1.50 FDEPTH: 30 30 BDEPTH: 88 82	Area cod GearCond Validity	e :l .code: code: 1		
Towing dir: 15" Wire out Sorted: 51 Kg Total catch	: 100 m Spe-	ed: 34 kg CATCH/		02.72
SPECIES	Сатен/н	007 N	OF TOT. C	sahp
Trichiurus lepturus	weight n 98.60	umbers 168	96.18	51446
Synagrops sp. Stromateum fintola	2.00	8	2.02	
Sepia ap. Saurida brasiliensis	0.40	22 14	0.39	
Total	102.72		99.99	
DATE: 22/ 8/94 GEAR T	¥08. 88 v. (PROJ	ECT STATES	N: 36
start stop duration TIME :07:45:00 08:15:00 30 (mi	YPE: BT No:6 D) Purpose		ON:Lat S Long S	
LOG :3680.30 3681.80 1.50 FDEPTH: 315 325	Area cod GearCond	e :1		
BDEPTH: 315 325 Towing dir: 330° Wire out	Validity	code: 1	*10	
Sorted: 32 Kg Total catch	: 280.68	CATCH/	HOUR: 54	51.36
SPECIES	CATCH/H	OUR 1	OF TOT. C	SAMP
Ectreposebastes imus	weight n 179.10	6120	31.90	
Merluccius polli Shrimps, smáll, non comm. Chlorophthalmus sp.	156.00 67.68	1242 39060	27.79 12.06	60
Chlorophthäimus sp. Zenopsis conchifer Synagrops microlepis	41.04 21.96	1026 36 594	7.31	
Iller coindetii Trichiurus lepturus	18.00 16.20 14.94	90 - 90	3.21 2.89 2.65	
NYCTOPHIDAZ Parapenaeus longirostris	12.24 10.26	4590	2.66 2.18 1.83	
Nematopalácmon hastatus Lacmonema sp.	7.20	522 90	1.28	
Trigla lyra Hoplostethus cadenati	3.60	18 54	0.64	
Gadella maraldi Chaunax pictus	2.70 2.52	72 36	0.48 0.45	
Total	561.36		100.00	
		990.1	ECT STATIO	t : 37
start stop duration	PE: BT Not6	POSITI	ON:Lat S Long B	424
TIME :10:34:00 11:04:00 30 (m) LOG :3698.60 3700.00 1.50	Area cod	e : 1		
FDEPTH: 177 170 BDEPTH: 177 170	GearCond Validity	code: 1		
Towing dir: 315" Wire out Sorted: 28 Kg Total catch	: 550 m. Spen : 140.05	са: 30 кп Сатся/		90.10
		Chicay	100K. 4	V . 1 0
SPECIES		ning-e L is	OF TOT. C	SAMP
Synagrops microlepis Pterothrissus belloci Chlorophthelmus etlanticus	80.00 67.50 30.00	6610 410 6770	28.56 24.10 10.71	
Dentex angolensis Trichiurus lepturus	21.30	50	7.60	61
illex caindetli Zenopsis conchifer	16.80 14.50	390 40	6 00 5.18	
Pæeudotolithus brachygnathus Lophiodes kempi Spicara alta	5.80 5.20	10	2.07	
Pentheroscion mbizi Parapenseus longirostris	4.90 3.90 3.40	40 30	1.75 1.39 1.21	
Zeus faber Squatina sculeats	3.00	10 10	1,07	
Ectreposebastes imus Bembrops sp.	1.50 1.20	50 20	0.54 0.43	
Citharum linguatula Saurida brasiliensis Trachurus trecae	0.60 0.50 0.10	40 70 10	0.21 0.18 0.04	
Total	280,10	19	100.01	
	PE: BT No:1		DCT STATION	
start stop duration TIME :13:21:00 13:53:00 32 (mi)			Long E	
LOG :3718.20 3719.70 1.50				
FDEPTH: 82 81	Area code GearCond	t : 1 .code:		
FDEPTH: 82 81 BDEPTH: 82 81	Area code	t : 1 .code: .code: 1	-10	
FDEPTH: 82 81 BDEPTH: 82 81	Area code GearCond Validity 350 m Spee	e : 1 .code: code: 1 ed: 30 kn		83,33
FDEFTH: 82 81 BDEFTH: 82 81 Towing dir: 355' Wire out:	Area code GearCond Validity 350 m Spec : 44.44 CATCH/HK	t : 1 .code: code: 1 ed: 30 kn CATCH/		
FDEPTH: 82 81 BDEPTH: 82 81 Towing dir: 355 Wire out: Sorted: 44 Kg Total catch SPECIES Pagellus bellottii	Area cod GearCond Validity 350 m Spee 44.44 CATCH/HK weight mu 37.69	t : 1 .code: code: 1 ed: 30 kn CATCH/ DUR %	ноџк: и ог тот. с 45.23	SAM Р 6 3
FDEPTH: 82 81 BDEPTH: 82 81 Towing dir: 355' Wire out: Sorted: 44 Kg Total catch	Areā cod GearCond Validity 350 m Spec 44.44 CATCH/HK weight n 37.69 10.31 6.56 5.94	e : 1 .code: code: 1 ed: 30 kn CATCH/ DUR %	HOUR: I OF TOT. C	SAMP
FDEPTH: 82 81 BDEPTH: 82 81 Towing dir: 355' Wire out. Sorted: 44 Kg Total catch SPECIES Pagellus belottii Brotula barbata Dentex augolensis Octopus sp. Dentex canariensis Trachurus trecae	Area codi GearCond Validity 350 m Spec 44.44 CATCH/HW Weight mi 37.69 10.31 6.56 5.94 5.34 3.66	t : 1 .code: code: 1 ed: 30 kn catch/ DUR % 248 248 28 56 4 21 90	HOUR: 1 OF TOT. C 45,23 12,37 7.87 7.13 6.41 4.39	5AMP 63 64
FDEPTH: 82 81 BDEPTH: 82 81 Towing dir: 355' Wire out. Sorted: 44 Kg Total catch SPECIES Pagellus belottii Brotula barbata Dentex augolensis Octopus sp. Dentex canstiensis Trachurus trecae Torpedo torpedo Raja miraletus	Area codd Gearcond Validity : 350 m Spee : 44.44 CATCH/HK weight n 37.69 10.31 6.56 5.94 5.34 3.66 3.34 2.21	e : 1 .code: Code: 1 ed: 30 kn CATCH/ DUR % unbers 248 28 56 4 21 90 6 6	HOUR: 1 OF TOT. C 45.23 12.37 7.87 7.13 6.41 4.39 4.01 2.65	5AMP 63 64 62
FDEPTH: 82 81 BDEPTH: 82 81 Towing dir: 355' Wire out. Sorted: 44 Kg Total catch SPECIES Pagellus belottii Brotule barbata Dentex augolensis Octopus sp. Dentex canariensis Trachurus trecae Torpedo torpedo Raja miraletus Priacanthus arcnatus Zeus faber	Area codd Gearcond Validity : 350 m Spee : 44.44 CATCH/HK weight n 37.69 10.31 6.56 5.94 5.34 3.66 3.34 2.21 1.37 1.18	e : 1 .code: 1 code: 1 rd: 30 kn CATCH/ DUR % 248 56 4 21 90 6 6 9 9 6	HOUR: 1 OF TOT. C 45.23 12.37 7.87 7.13 6.41 4.39 4.01 2.65 1.64 1.42	5AMP 63 64 62
FDEPTH: 82 81 BDEPTH: 82 81 Towing dir: 355' Wire out: Sorted: 44 Kg Total catch SPECIES Pageilus beliottii Brotula barbata Dentex angolensis Octopus sp. Dentex canariensis Trachurus trecae Torpedo Lorpedo Raja miraletus Priacathus arcnatus Zcus faber Citharus linguatula Uranoscopus albesca	Area codd Gearcond validity : 350 m Spec : 44.44 CATCH/HK weight n 37.69 10.31 6.56 5.94 5.34 3.66 3.34 2.21 1.37	<pre>c : 1 .code: 1 code: 1 ed: 30 kn cATCH/ DUR % 248 28 56 4 21 90 6 6 6 6 6 6 6 6 6 24 2 2 4</pre>	HOUR: 45.23 12.37 7.87 7.13 6.41 4.39 4.01 2.65 1.64 1.42 1.28 0.90 0.90	5AMP 63 64 62
FDEPTH: 82 81 BDEPTH: 82 81 Towing dir: 355' Wire out: SOTted: 44 Kg Total catch SPECIES Pageilus belottii Brotula barbata Dentex augolensis Octopus sp. Dentex canafiensis Trachurus trecae Torpedo torpedo Raja siraletus Priacathus arcnatus Zeung aber Citharus linguatula Uranoscopus albesca Zenopsis conchifer Echeneis maucrates Todaropsis eblanae	Area cond GearCond Validity : 350 m Spec : 44.44 CATCHNe weight m 37.69 10.31 6.56 5.94 5.14 3.66 3.34 2.21 1.37 1.18 1.07 0.75 0.68 0.58	<pre>c : 1 .code: 1 code: 1 ed: 30 kn cATCH/ DUR \$ 248 248 248 248 248 248 249 6 6 6 6 6 6 6 6 24 21 99 6 6 6 6 24 21 99 19</pre>	HOUR: 45.23 12.37 7.87 7.13 6.41 4.01 2.65 1.64 1.42 1.265 1.64 1.42 1.28 0.90 0.90 0.82 0.70	5AMP 63 64 62
FDEPTH: 82 81 BDEPTH: 82 81 Towing dir: 355' Wire out: Sorted: 44 Kg Total catch SPECIES Pagellus belottii Brotula barbata Dentex augolensis Octopus sp. Dentex canaficasis Trachurus treace Torpedo torpedo Raja miraletus Priacasthus arcnatus Zeung aber Citharus linguatula Uranoscopus albesca Zenopsis conchifer Echeneis mauerates Todaropsis eblanae Chelidonichthys gabonensis Scleve dorsalis	Area cond GearCond Validity 350 m Spec 44.44 CATCH/H Weight 37.69 10.31 6.56 5.94 5.94 3.66 3.34 2.21 1.37 1.18 1.07 0.75 0.75 0.68 0.58 0.45	e : 1 .code: 1 code: 2 code: 2	HOUR: 1 OF TOT. C 45.23 12.37 7.87 7.13 6.41 4.39 4.39 4.39 4.39 1.62 1.62 1.62 1.42 1.28 0.90 0.82 0.70 0.54	5AMP 63 64 62
FDEPTH: 82 81 BDEPTH: 82 81 Towing dir: 355' Wire out: Sorted: 44 Kg Total catch SPECIES Pageilus belottii Brotula barbata Dentex angolensis Octopus sp. Dentex canaficnais Trachurus trecae Torpedo torpedo Raja mialetus Priacanthus arcnatus Zeun faber Citharus linguatula Uranoscopus albesca Zenopsis conchifer Echeneis naucrates Todaropsis oblanae Chelidonichthys gabonensis Scelee dorsalis Saurida brasiliensis	Area cond GearCond Validity 350 m Speed 44.44 CATCH/HW Weight m 37.69 10.31 6.56 5.94 3.66 3.34 2.21 1.37 1.18 1.07 0.75 0.75 0.68 0.58 0.45 0.26 0.26 0.15	<pre>c : 1 .code: code: 1 .code: 1 .code: 1 .cote: 1 .cot</pre>	HOUR: 1 OF TOT. C 45.23 12.37 7.13 6.41 4.39 4.01 2.65 1.64 1.42 1.28 0.90 0.82 0.70 0.59 0.54 0.31 0.18	5AMP 63 64 62
FDEPTH: 82 81 BDEPTH: 82 81 Towing dir: 355' Wire out. Sorted: 44 Kg Total catch SPECIES Pagellum beliottii Brotuls barbata Dentex augolensis Octopus ap. Dentex canasticnsis Trachurus trecae Torpedo Lorpedo Raja miraletus Priacanthus arcnatus Zeus faber Citharus linguatula Uranoscopus albesca Zenopsis conchifer Echeneis mauerates Todropsis eblanae Chelidonichthys gabonensis Scleme dorsalis Saurida brasiliensis Scorpaens normani Benbrops ap.	Area codd GearCond Validity 350 m Speed 44.44 CATCH/HW Weight M 37.69 10.31 6.56 5.94 5.34 3.66 3.36 2.21 1.37 1.18 1.07 0.75 0.75 0.68 0.58 0.49 0.45 0.26 0.13 0.13 0.11	<pre>c : 1 .code: code: 1 code: 1 code: 1 catch/ catch/ catch/ 248 248 248 248 248 248 248 24 21 21 90 6 6 6 6 6 6 6 9 6 6 6 6 9 6 6 6 9 6 6 6 9 6 6 24 2 2 4 2 2 2 2 2 2 2 2 6</pre>	HOUR: 1 OF TOT. C 45.23 12.37 7.87 13.13 6.41 4.39 4.01 2.65 1.64 1.42 1.28 0.90 0.90 0.82 0.70 0.54 0.31 0.18 0.18 0.13	5AMP 63 64 62
FDEPTH: 82 81 Towing dir: 355' Wire out. Sorted: 44 Kg Total catch SPECIES Pagellus beliottii Brotula barbata Dentex angolensis Octopus sp. Dentex canastiensis Trachutus treecae Torpedo Lorpedo Raja Wiraletus Priacasthus arcnatus Zeus faber Citharus linguatula Uranoscopus albesca Zenopsis conchifer Echeneis mauerates Todaropsis belanae Chelidonichthys gabonensis Sclere dorsails Saurida brasiliensis Scorpaens normasi Benbrops ap. Boops boops GOBIIDAE Sepiella ornata Paragemeropsis stlantica	Area codd Gearcond validity : 350 m Spee : 44.44 CATCH/M weight m 37.69 10.31 6.56 5.94 5.34 3.66 3.34 2.21 1.37 1.18 1.07 0.75 0.75 0.75 0.68 0.49 0.45 0.26 0.13 0.11 0.06 0.06	e : 1 .code: Code: 1 .code: 2 .code: 2	HOUR: 45.23 12.37 7.87 7.13 12.37 7.87 7.13 6.41 4.39 4.01 2.65 1.64 1.42 0.90 0.90 0.90 0.54 0.54 0.11 0.18 0.16 0.70 0.7 0.7	5AMP 63 64 62
FDEPTH: 82 81 Towing dir: 355' Wire out. Sorted: 44 Kg Total catch SPECIES Pagellus beliottii Brotula barbata Dentex angolensis Octopus sp. Dentex canastiensis Trachutus treece Torpedo Lorpedo Kaja Wiraletus Priacasthus arcnatus Zeus faber Citharus linguatula Uranoscopus albesca Zenopsis conchifer Echeneis mauerates Todaropsis eblanae Chelidonichthys gabonensis Sciere dorsails Saurida brasiliensis Scorpaens normasi Benbrops ap. Boops boops GOBIIDAE Sepiella ornata Paragemeopsis atlantica Lophodes kespi	Area codd GearCond validity : 350 m Speed : 44.44 CATCH/M weight n 37.69 10.31 6.56 5.94 5.34 3.66 3.34 2.21 1.37 1.18 1.07 0.75 0.75 0.75 0.68 0.49 0.45 0.28 0.45 0.23 0.21 0.23 0.21 0.25 0.23 0.21 0.25 0.23 0.25 0.23 0.25 0.23 0.25 0.23 0.25 0.23 0.25 0.23 0.25 0.23 0.25 0.25 0.25 0.25 0.25 0.25 0.25 0.25	<pre>c : 1 .code: code: 1 .code: 2 .code: 2 .cod</pre>	HOUR: 4 oF TOT. C 45.23 12.37 7.83 5.41 4.39 4.01 2.65 1.64 1.42 0.90 0.90 0.82 0.70 0.54 0.31 0.18 0.18 0.16 0.13 0.07 0.	5AMP 63 64 62
FDEPTH: 82 81 BDEPTH: 82 81 Towing dir: 355' Wire out. Sorted: 44 Kg Total catch SPECIES Pagellus belottii Brotula barbata Dentex augolensis Octopus sp. Dentex canstiensis Trachurus trecae Torpedo torpedo Raja miraletus Priacanthus arcnatus Zeus faber Citharus linguatula Oranosopus albesca Zenopsis conchifer Echerneis naueratus Todaropsis eblanae Chelidonichtnys gabonensis Salere dorsalis Saurida brasiliensis Sacurida brasiliensis Sacurida brasiliensis Sacurida brasiliensis Beborops ap. Boops boops GOBIDAE Seejella ornata Parapenaeopsis atlantica Lophiodes keepi	Area codd GearCond Validity 350 m Speed 44.44 CATCH/HW Weight m 37.69 10.31 6.56 5.34 3.66 3.34 7.21 1.37 1.18 1.07 0.75 0.75 0.68 0.58 0.49 0.45 0.24 0.25 0.58 0.13 0.11 0.15 0.13 0.11 0.06 0.06 0.06 0.06	<pre>c : 1 .code: code: 1 .code: 1 .cod</pre>	HOUR: 1 AF TOT. C 45.23 12.37 7.87 7.13 6.41 4.39 4.01 2.65 1.64 1.42 1.28 0.90 0.90 0.90 0.59 0.54 0.31 0.18 0.13 0.77 0.67	5AMP 63 64 62

	PE: BT No:1		ECT STATIO	5 412	DATE: 23
start stop duration TIME :16:09:00 16:39:00 30 (min) LOG :3739.80 3741.20 1.40	Purpose Area cod	code: 3 e : 1	Long	E 1116	TIME : Log :
FDEPTH: 22 20 BDEPTH: 22 20	GearCond Validity	. code :			FDEPTH: BDEPTH:
Towing dir: 340* Wire out:	140 m Spee	ed: 30 kn*	10		
Sorted: 34 Kg Total catch:	205.44	CATCH/H	HOUR:	410.88	Sorte
SPECIES	CATCH/H	our to umbers	OF TOT. C	SAMP	SPECIES
Trichiurus lepturus Ilisha africana	220.80	6828 1044	53.74 11.78		Brachydeute Sepia offic
Selene dorsalis Brachydeuterus auritus	39.60 39.24	1068 4176	9.64 9.55		Trachurus t Pagellus be
Pseudotolithus brachygnathus Pteroscion peli	15.00 10.92	84 204	3.65 2.66		Raja mirale Priacanthus
Lagocephalus laevigatus Sphyraena guachancho	6.20 5.40	12 24	1.51		Fistularia Alectis ale
Galeoides decadactylus Trachurus trecae	5.04 4.92	48	1.23 1.20 1.08		Sphyraena g Illex coind
Raja miraletus Pentanemus quinquarius	4.44 3.96 2.88	24 96 24	0.96		Cynoglossus Boops boops Lagocephalu
Pagellus bellottii Sepiella ornata Chloroscombrus chrysurus	2.02	48 24	0.49		Torpedo tor Saurida bra
Shrimps, small, non coma. Dicologogiossa cuneata	0.36	108 12	0.09		Total
Citharus linguatula	0.12	12	0.03		
Total	410.86		100.00		
			ECT STATI	DN: 40	DATE: 23
start stop duration	PE: BT No:1		DN:Lat Long	S 405 E 1110	TIME : LOG : FDEPTH :
TIME :17:32:00 18:03:00 31 (min Log :3748.50 3749.90 1.40 FDEPTH: 17 17	Purpose Area cod GearCond	e :1			BDEPTH:
BDEPTH. 17 17 Towing dir: 310* Wire out:	Validity	code: 1	•10		Sorte
Sorted: 28 Kg Total catch:		CATCH/		162.64	
	CATCH/H		OF TOT. C	SAMP	SPECIES
SPECIES Trichiurus lepturus	weight n 42.10	umabers 1661	25.89	SANT	Total
Brachydeuterus auritus Sepiella ornata	26.42 20.85	794 987	16.24 12.82		
Pteroscion peli Sardinella maderensis	18.58 14.81	488 302	11.42 9.11	69 66	
Chloroscombrus chrysurus Parapenaeus longirostris	13.35	343 761 6	8.21 3.42 3.36	68 67	DATE: 23
Sepia officinalis hierredda Cynoglossus senegalensis Dicologoglossa cuneata	5.46 4.70 2.90	6 87	2.89		TIME LOG
Ilisha africana Pseudotolithus typus	1.92	29 23	1.18 1.18		FDEPTH BDEPTH
Trachurus trecae Galeoides decadactylus	1.57	52 75	0.97 0.93 0.36		Sort
Pseudotolithus epipercus	0.58	6			Sorte
Selene dorsalis	0.41	6	0.25		
Seiene dorsalis	162.65	6			SPECIES
			0.25		Trachurus Brachydeute
Total		PROJ	0.25 100.01 ECT STATI ON:Lat	s 412	Trachurus (Brachydeute Pagellus be Dentex ange
Total DATE: 23/ 8/94 GEAR TY start stop duration TIME :06:35:00 07:05:00 30 (main	162.65 PE: BT No:6	PROJ POSITI code: 3	0.25 100.01 ECT STATI	s 412	Trachurus M Brachydeut Pagellus be Dentex ange Priacanthu Raja miral
DATE: 23/ 8/94 GEAR TY start stop duration TIME :06:35:00 07:05:00 30 (min LOG :3811.70 3813.20 1.50 FDEPTH: 205 205 BDEPTH: 205 205	162.65 PE: BT No:6) Purpose Area coo GearCond Validity	PROJ POSITI code: 3 le : 2 l.code: 1	0.25 100.01 ECT STATI ON: Lat Long	s 412	Trachurus (Brachydeuto Pagellus by Dentex ang Priacanthu Raja miral Boops boop Sphyraena (Pseudupenet
Total DATE: 23/ 8/94 GEAR TY start stop duration TIME: 06: 35:00 07: 05:00 30 (min LOG : 3811.70 3813.20 1.50 FDEPTH: 205 205 BDEPTH: 205 205 Towing dir: 315* Wire out:	162.65 PE: BT No:6) Purpose Area conc GearConc Validity 650 m Spe	PROJ POSITI code: 3 i.code: 2 i.code: 1 r code: 1 red: 30 km	0.25 100.01 ECT STATI ON:Lat Long *10	S 412 E 1036	Trachurus (Brachydeute Peagellus b Dentex ange Priacanthu Raja miral Boops boop Sphyraena Pseudupener Sardinella Dentex cam
DATE: 23/ 8/94 GEAR TY start stop duration TIME :06:35:00 07:05:00 30 (min LOG :3811.70 3813.20 1.50 FDEPTH: 205 205 BDEPTH: 205 205	162.65 PE: BT No:6) Purpose Area conc GearConc Validity 650 m Spe	PROJ POSITI code: 3 ie: 2 i.code: 7 code: 1 red: 30 km	0.25 100.01 ECT STATI ON:Lat Long *10	s 412	Trachurus (Brachydeute Peagellus be Dentex ange Priacanthuu Raja miral Boops boop Sphyraena Pseudupener Sardinella Dentex can Epinephelu Saurida br
Total DATE: 23/ 8/94 GEAR TY start stop duration TIME: 06: 35:00 07: 05:00 30 (min LOG : 3811.70 3813.20 1.50 FDEPTH: 205 205 BDEPTH: 205 205 Towing dir: 315* Wire out:	162.65 PE: BT No:6) Purpose Area coc GearConc Validity 650 m Spe 198.93 CATCH/F	PROJ POSITI code: 3 le : 2 l.code: 1 rcode: 1 red: 30 kn CATCH/	0.25 100.01 ECT STATI ON:Lat Long *10 HOUR: OF TOT. C	S 412 E 1036	Trachurus (Brachydeut Pagellus b Dentex ang Pricachthuu Raja mirale Boops boop Sphytaena (Pseudupenet Sardimella Dentex can Epinepheluu Saurida br Chilomyote Chelidonic Sardimella
Total DATE: 23/ 8/94 GEAR TY start stop duration TIME: 06:35:00 07:05:00 30 (min LOG :3811.70 3813.20 1.50 PDEPTH: 205 205 DOWING dir: 315* Wire out: Sorted: 28 Kg Total catch: SPECIES Chlorophthalmus atlanticus Trichiurus lepturus	162.65 PE: BT No:6 Area coc GearConc Validity 650 m Spe 198.93 CATCH/f weight r 156.80 72.00	PROJ POSITI code: 3 le 2 l.code: 1 red: 30 kn CATCH/ HOUR 1 numbers 7966 224	0.25 100.01 ECT STATI ON:Lat Long *10 HOUR: OF TOT. C 39.41 18.10	S 412 E 1036	Trachurus (Brachydeut Pagellus b Dentex ang Priacanthuu Raja miral Boops boop Sphyraena (Pseudupenet Sardinella Dentex can Epinepheluu Saurida br. Childonici Sardinella Arnogloosuu Gramophit
Total DATE: 23/ 8/94 GEAR TY start stop duration TIME: 06:35:00 07:05:00 30 (min LOG :3811.70 3813.20 1.50 PDEPTH: 205 205 Towing dir: 315* Wire out: Sorted: 28 Kg Total catch: SPECIES Chlorophthalmus atlanticus Trichirurus lepturus Synagrops microlepis Dentex angolenais	162.65 PE: BT No:6) Purpose Area coo GearCond Validity 650 m Spe 198.93 CATCH/F weight r 156.80 72.00 57.20 47.60	PROJ POSITI code: 3 le : 2 l.code: 7 code: 1 code: 30 kn cATCH/ HOUR Aumbers 7966 224 2856 126	0.25 100.01 ECT STATI ON:Lat Long *10 HOUR: OF TOT. C 39.41 18.10 14.38 11.96	S 412 E 1036	Trachurus (Brachydeut, Pagellus bo Dentex angy Priacanthuu Raja miral Boops boop Sphyraena Pseudupene Sardimella Dentex can Epinephelu Saurida br- Chilomycte; Chilomycte; Sardimella Arnoglossu
Total DATE: 23/ 8/94 GEAR TY start stop duration TIME : 06:35:00 07:05:00 30 (min LOG : 3811.70 3813.20 1.50 PDEPTH: 205 205 Towing dir: 315' Wire out: Sorted: 28 Kg Total catch: SPECIES Chlorophthalmus atlanticus Trichiurus lepturus Synagrops microlepis Dentex angolensis Pterothriasus belloci Parapenaeus longirostris	162.65 PE: BT No:6) Purpose Area coo GearCond Validity 650 m Spe 198.93 CATCH/F weight r 156.80 72.00 57.20 47.60 21.00 12.88	PROJ POSITI code: 1 1.code: 2 1.code: 1 code: 1 cod	0.25 100.01 ECT STATI DN:Lat Long *10 HOUR: OF TOT. C 39.41 18.10 14.38 11.96 5.28 3.24	s 412 E 1036 397.86 : SAMP	Trachurus (Brachydeut Pagellus bo Dentex angy Priacanthuu Raja miral Boops boop Sphyraena (Pseudupene Sardimella Dentex can Epicpheluu Saurida br. Chilomyte: Chelidonic Sardimella Arnoglossu Grammoplit Lepidotrig
Total DATE: 23/ 8/94 GEAR TY start stop duration TIME : 06:35:00 07:05:00 30 (min LOG : 3811.70 3813.20 1.50 PDEPTH: 205 205 Towing dir: 315' Wire out: Sorted: 28 Kg Total catch: SPECIES Chlorophthalmus atlanticus Trichiurus lepturus Synagrops microlepis Dentex angolenis Pterothrissus belloci Parapeneus longirostris Brotula barbata Chelidonichthys gabonensis	162.65 PE: BT No:6 Area coc GearConc Validity 650 m Spe 198.93 CATCH/F weight 156.80 72.00 57.20 47.60 21.00	PROJ POSITI code: 3 le : 2 l.code: 1 code: 1 leed: 30 kn CATCH/ HOUR CATCH/ HOUR CATCH/ 2856 2856 2856 126 126 126 126 126 126 126 126 126 12	0.25 100.01 ECT STATI ON:Lat Long *10 *10 *00UR: OF TOT. C 39.41 18.10 14.38 11.96 5.28 3.24 1.79 1.34 0.95	s 412 E 1036 397.86 : SAMP 70	Trachurus (Brachydeut Pagellus bo Dentex angy Priacanthuu Raja miral Boops boop Sphyraena (Pseudupene Sardimella Dentex can Epinepheluu Saurida br. Chilomyote Chelidonic Sardinella Arnoglosuu Grasmoplit Lepidotrig Engraulis (
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Total DATE: 23/ 8/94 CEAR TY start stop duration TIME : 06:35:00 07:05:00 30 (min LoG : 3811.70 3813.20 1.50 PDEPTH: 205 205 DOEPTH: 205 205 Towing dir: 315' Wire out: Sorted: 28 Kg Total catch: SPECIES Chlorophthalmus stlanticus Trichiurus lepturus Synggrops microlepis Dentex angolensis Ttichiurus stlanticus Trichiurus stlanticus Trichiurus stlanticus Chelidonichthys gabonensis Illex coindetii Sepis sp. Aulopus cadenati Bembrops heterurus Zenopsis conchifer Merluccius polli Pontinus accraensis C R A B S Symphurus sp. Monolene microstoma Total DATE: 23/ 8/94 CEAR Ti Start stop duration TIME ::09:10:00 09:40:00 30 (min LoG :3829.00 383.50 1.50 PDEPTH: 91 91 DDEPTH: 91 91 DDEPTH: 91 91 Towing dir: 345' Wire out: Sorted: 165 Kg Total catch SPECIES Trachurus trecae Dentex angolensis Trichiurus lepturus Selene doraalis Branchiostegua semifasciatus Illex coindetii Scomber japonicus Chelidonichtys gabonensis	162.65 PE: BT No:6 P8.93 CATCH/F veight 72.00 57.20 47.60 21.00 12.88 7.14 5.32 3.78 2.80 2.10 2.10 2.10 2.10 2.10 2.10 2.10 2.1	PROJ POSITI code: 3 l.code: 1 / code: 1 code: 1 code: 1 code: 1 2 2 2 2 2 2 2 2 2 2 2 2 2	0.25 100.01 ECT STATI ON: Lat Long *10 HOUR: oF TOT. C 39.41 18.10 14.38 1.9 3.9.41 18.10 14.38 1.9 3.0.53 0.53 0.53 0.53 0.53 0.53 0.53 0.53 0.53 0.53 0.53 0.53 0.53 0.53 0.53 0.53 0.53 0.53 0.54 0.04 99.63 HELT STATI CON: Lat Long 1.1.77 1.1.77 1.1.77 1.1.77 1.0.66 1.68	s 412 E 1036 397.86 : SAMP 70 71 70 71 70 71 70 71 70 71 456 56 5 56 5 54 74 73 72	Trachurus I Brachydeut Pagellus b Dentex ang Priacanthum Raja miral Boops boops Sphyraena : Pseudupener Sardinella Dentex can Epinephelu Saurida br: Chilosynte: Chilosynte: Chilosynte: Gramoplit: Lepidotrig Engraulis : Total DATE: 2 THE LOG TDEPTH BDEPTH Sort SPECIES Chlorophth Dentex ang Herluccius Halacoceph Peristedio Trigla lyr Synagrops Brosmiculu Laemonema Etmopterus Zenion sp. Peterothris Colorinch Parapenaeu Zenon sp. Peterothris Colorinch Parapenaeu Zenon sp.
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Total DATE:23/ 8/94 CEAR TY start stop duration TIME :06:35:00 07:05:00 30 (min LoG :3811.70 3813.20 1.50 FDEFTH: 205 205 DDEFTH: 205 205 Towing dir: 315' Wire out: Sorted: 28 Kg Total catch: SPECIES Chlorophthalmus atlanticus Trichiurus lepturus Synagrops microlepis Dentex angolensis Fterothrissus belloci Parapenaeus longirostris Brotula barbata Chelidonichthys gabonensis Tillex coindetii Sepis sp. Honolene microstom Total DATE:23/ 8/94 CEAR TI E :09:10:00 09:40:00 30 (mir LoG :3029.00 3810.50 1.50 FDEFTH: 91 91 Towing dir: 345' Wire out: Sorted: 165 Kg Total catch SPECIES Trachurus trecae Dentex angolensis Tillex coindetii Splater : 31 91 Towing dir: 345' Wire out: Sorted: 165 Kg Total catch SPECIES Trachurus trecae Dentex angolensis Tillex coindetii Scomber japoncus Chelidonichthy gabonensis Tillex coindetii Scomber japoncus Chelidonichty gabonensis Tillex coindetii Scomber japoncus Chelidonichty gabonensis Tatal Start stop Total catch SPECIES Trachurus trecae Dentex angolensis Titchirus lepturus Sciene doraalis Branchistegua semifasciatus Illex coindetii Scomber japoncus Chelidonichtys gabonensis Teleius belidoti Sciene japoncus Chelidonichtys gabonensis Tatal Scomber japoncus Chelidonichtys gabonensis Secomber japoncus Chelidonichtys gab	162.65 PE: BT No:6) Purpose Area coc Gearconc Validity 650 m Spe 198.93 CATCH/F weight 156.80 72.00 47.60 21.00 12.88 7.14 5.32 3.78 2.80 2.10 2.10 2.10 1.2.88 7.14 5.32 3.78 2.80 2.10 2.10 1.12 0.70 0.14 0.14 396.32 CPE: BT No: (CATCH/F Weight 39 2.10 2.10 1.12 0.70 0.14 0.14 0.14 0.14 396.32 (CATCH/F Weight 39 2.80 CATCH/F Validity 39 2.10 2.10 1.2.88 7.14 5.32 2.80 2.10 3.68 3.04 2.24 1.55 1.55	PROJ POSITI code:] le : 2 l.code:] code:] code:] code:] CATCH/ HOUR CATCH/ HOUR CATCH/ PROJ 6 PROJ 6 PROJ 6 PROJ 6 PROJ 6 PROJ 6 PROJ 6 PROJ 6 PROJ 6 PROJ 6 PROJ 6 PROJ 6 PROJ 6 PROJ 7 9 6 126 126 126 126 126 126 126	0.25 100.01 ECT STATI ON: Lat Long *10 *10 *00 TOT. C 39.41 18.10 14.38 11.96 3.24 1.79 1.34 0.95 0.73 0.53 0.53 0.53 0.53 0.53 0.44 1.79 1.34 0.95 0.70 0.53 0.53 0.53 0.41 1.34 0.95 0.70 0.53 0.53 0.41 1.34 0.95 0.70 0.53 0.53 0.41 1.34 0.95 0.70 0.53 0.53 0.41 1.34 0.95 0.70 0.53 0.55 0.28 0.04 0.04 0.99 6.3 VECT STATI Long *10 *10 *10 *10 *10 *10 *10 *10	s 412 E 1036 397.86 : SAMP 70 71 70 71 70 71 70 71 70 71 456 56 5 56 5 54 74 73 72	Trachurus I Brachydeut Pagellus b Dentex ang Priacanthum Raja miral Boops boopy Sphyraena : Pseudupener Sardinella Dentex can Epinephelu Sardinella Arnoglosuu Gramoplit Lepidotrig Engraulis : Total DATE: 2 THE DOTE: 2 THE DOTE: 2 THE SPECIES Chlorophth Dentex ang Herluccius Halacoceph Peristedio Trigla lyr Synagrops Brosmiculu Laemonema Etmopterus Zenion sp. Pterothris Colorinch Parigenera Zenon sp. Pterothis Colorinch Peristedio Trigla lyr Synagrops Brosmiculu Laemonema Etmopterus Zenion sp. Pterothris Colorinch Parigenera Etmopterus Colorinch Parigenera Colorinch Parigenera Colorinch Peristedio Trigla lyr Synagrops Brosmiculu Laemorema Etmopterus Colorinch Parigenera Colorinch Colorin
Total DATE: 23/ 8/94 CEAR TY start stop duration TIME : 06:35:00 07:05:00 30 (min LOG : 3811.70 3813.20 1.50 FDEFTH: 205 205 DDEFTH: 205 205 DDEFTH: 205 205 Chlorophthalmus atlanticus Trichiurus lepturus Synaprops microlepis Dentex angolensis Pterothrissus belloci Parapenaeus longirostris Brotula barbata Chelidonichthys gabonensis Tillex coindetii Sepha sp. Aulopus cadenati Bembrops heterurus Zenopsis conchifer Herluccius polli Donte: 23/ 8/94 CEAR TI Start stop duration Total DATE: 23/ 8/94 CEAR TI DATE: 23/ 8/94 CEAR TI Symphurus sp Honolene microstom Total DATE: 23/ 8/94 CEAR TI Sorted: 165 Kg Total catch SPECIES Trachurus trecae Dentex angolensis Trichiurus lepturus Selene dorsalis Trichiurus lepturus Selene dorsalis Branchiostegus semifasciatus Tilex coindettii Scomber japoncus Chelidonichthys gabonensis Chelidonichtys gabonensis Trichiurus lepturus Selene dorsalis Branchiostegus semifasciatus Tilex coindettii Scomber japoncus Chelidonichtys gabonensis Zenopsis conchifer Citharus linguatula Priacanthus arenatus Saurida brasiliensis Pagellus bellottii Liocarcinus corrugatus Sepia berthelotii Boops boops Microchirus (reckkopi	162.65 PE: BT No:6) Purpose Area coc Gearconc Validity 650 m Spe 198.93 CATCH/F weight 156.80 72.00 47.60 21.00 12.88 7.14 5.32 3.78 2.80 2.10 3.4 3.4 3.5 2.28 2.28 2.28 2.28 2.28 2.28 2.24 1.54 1.54 1.54 1.54 1.54 1.54 1.54 1.54 1.54 0.00 0.52 0.48 0.00 0.52 0.48 0.00 0.52 0.48 0.00 0.52 0.48 0.00 0.52 0.48 0.00 0.52 0.48 0.00 0.52 0.48 0.00 0.52 0.48 0.00 0.52 0.48 0.00 0.52 0.48 0.00 0.52 0.48 0.00 0.52 0.48 0.00 0.52 0.48 0.00 0.52 0.48 0.00 0.52 0.48 0.00 0.52 0.48 0.00 0.52 0.48 0.00 0.52 0.52 0.52 0.52 0.52 0.52 0.52 0.52 0.52 0.52 0.52 0.52 0.52 0.52 0.52 0.52 0.52 0.52 0.	PROJ POSITI code: 1 te: 2 code: 1 code: 30 kn CATCH/ HOUR CATCH/ HOUR CATCH/ CATCH/ CATCH/ CATCH/ CATCH/ CATCH/ CATCH/ CATCH/ CATCH/ CATCH/ CODE: 3 CATCH/ CODE: 3 CATCH/ CODE: 3 CATCH/ HOUR CATCH/ HOUR CATCH/ CODE: 3 CATCH/ CATCH/ CODE: 3 CATCH/ CATCH/ CATCH/ CODE: 3 CATCH/ CATCH/ CATCH/ CATCH/ CODE: 3 CATCH/ CATCH/ CATCH/ CODE: 3 CATCH/ CODE: 3 CATCH/ CODE: 3 CATCH/ CODE: 3 CATCH/ CODE: 3 CATCH/ CATCH/ CATCH/ CATCH/ CODE: 3 CATCH/ CATCH/ CATCH/ CODE: 3 CATCH/ CODE: 3 CATCH/ CODE: 3 CATCH/ CATCH/ CATCH/ CODE: 3 CATCH/ CATCH/ CATCH/ CATCH/ CODE: 3 CATCH/ CATCH/ CATCH/ CODE: 3 CATCH/ CATCH/ CATCH/ CATCH/ CATCH/ CATCH/ CATCH/ CATCH/ CODE: 3 CATCH/ CA	0.25 100.01 ECT STATI ON: Lat Long *10 HOUR: of TOT. C 39.41 18.10 14.38 11.96 0.24 1.34 0.95 0.70 0.53 0.53 0.53 0.53 0.53 0.53 0.53 0.53 0.53 0.53 0.53 0.53 0.53 0.53 0.53 0.54 0.04 99.63 JECT STAT: Long Long 1.11.17 CON: Lat Long 1.11.17 CON: Lat Long 1.11.17 CON: Lat Long 1.10 (HOUR: 0.64 0.04 99.63 1.12 0.65 0.16 1.17 0.04 99.63 1.17 1.17 1.00 1.68 1.06 1.10 1.17 1.07 1.00 1.00 1.11.17 1.00 1.08 1.06 1.08 1.06 1.08 1.06 1.08 1.06 1.08 1.06 1.08 1.06 1.08 1.06 1.08 1.06 1.07 1.07 1.00 1.00 1.07 1.00	s 412 E 1036 397.86 : SAMP 70 71 70 71 70 71 70 71 70 71 456 56 5 56 5 54 74 73 72	Trachurus I Brachydeut Pagellus b Dentex ang Priacanthum Raja miral Boops boops Sphyraena : Pseudupener Sardinella Dentex can Epinephelu Sardinella Arnoglosuu Gramoplit Lepidotrig Engraulis : Total DATE: 2 THE DOTE: 2 THE DOTE: 2 THE SPECIES Chlorophth Dentex ang Herluccius Halacoceph Peristedio Trigla lyr Synagrops Brosmiculu Laemonema Etmopterus Zenion sp. Preisoniks Lepidotrig Colorinch Parisedio Trigla lyr Synagrops Brosmiculu Laemonema Etmopterus Zenion sp. Preisoniks Lepidotrig Colorinch Parisedio Trigla lyr Synagrops Brosmiculu Laemonema Etmopterus Colorinch Parisedio Trigla lyr Synagrops Brosmiculu Laemonema Etmopterus Colorinch Parisedio Trigla lyr Synagrops Brosmiculu Laemonema Etmopterus Colorinch Parisedio Trigla lyr Synagrops Brosmiculu Laemonema Etmopterus Colorinch Parisedio Trigla lyr
Total DATE: 23/ 8/94 CEAR TY start stop duration TIME : 06:35:00 07:05:00 30 (min LOG :3811.70 3813.20 1.50 FDEPTH: 205 205 DDEPTH: 205 205 Towing dir: 315' Wire out: Sorted: 28 Kg Total catch: SPECIES Chorophthalmus atlanticus Trichiurus lepturus Synggrops microlepis Dentex angolensis Dentex angolensis Dentex angolensis Chelidonichthys gabonensis Illex coindetil Sepia sp. Aulopus cadenati Bembrops heterurus Zenopsis conchifer Herluccius polli Pontinus accraensis C R A B S Symphurus sp. Monolene microstom Total DATE: 23/ 8/94 CEAR TI Start stop duration TIME : 09:10:00 09:40:00 30 (min LOG : 3829.00 1830.50 1.50 FDEPTH: 91 91 BDEPTH: 91 91 BDEPTH: 91 91 BDEPTH: 91 91 Sorted: 165 Kg Total catch SPECIES Trachurus treese Dentex angolensis Branchiostegus semifasciatus Illex coindetil Scomber japonicus Chelidonichtys gabonensis Zenopsis conchifer Piacanthus arenatus Saurida coindetil Somber japonicus Chelidonichtys gabonensis Zenopsis conchifer Piacanthus arenatus Saurida brasiliensis Pagellus bellottil Liocarcinus corrugatus Sepia bertheloti Boops boops	162.65 PE: BT No:6) Purpose Area coc Gearcond Validity 650 m Spe 198.93 CATCH/F weight 72.00 57.20 47.60 21.00 12.88 7.106 21.00 12.88 7.14 5.32 3.78 2.80 2.10 2.10 2.10 1.12 0.70 0.14 396.32 (PE: BT No:1 396.32 (PE: BT No:1 (PE: BT No:	PROJ POSITI code: 3 code: 1 code: 3 code: 3 de 2 de 2 de 2 code: 3 the construction of the c	0.25 100.01 ECT STATI ON: Lat Long *10 *10 *00 TOT. C 39.41 18.10 14.38 11.96 3.24 1.79 1.34 0.95 0.73 0.53 0.53 0.53 0.53 0.53 0.44 1.79 1.34 0.95 0.70 0.53 0.53 0.53 0.41 1.34 0.95 0.70 0.53 0.53 0.41 1.34 0.95 0.70 0.53 0.53 0.41 1.34 0.95 0.70 0.53 0.53 0.41 1.34 0.95 0.70 0.53 0.55 0.28 0.04 0.04 0.99 6.3 VECT STATI Long *10 *10 *10 *10 *10 *10 *10 *10	s 412 E 1036 397.86 : SAMP 70 71 70 71 70 71 70 71 70 71 456 56 5 56 5 54 74 73 72	Trachurus I Brachydeut Pagellus b Dentex ang Priacanthum Raja miral Boops boopy Sphyraena : Pseudupener Sardinella Dentex can Epinephelu Sardinella Arnoglosuu Gramoplit Lepidotrig Engraulis : Total DATE: 2 THE DOTE: 2 THE DOTE: 2 THE SPECIES Chlorophth Dentex ang Herluccius Halacoceph Peristedio Trigla lyr Synagrops Brosmiculu Laemonema Etmopterus Zenion sp. Pterothris Colorinch Parigenera Zenon sp. Pterothis Colorinch Peristedio Trigla lyr Synagrops Brosmiculu Laemonema Etmopterus Zenion sp. Pterothris Colorinch Parigenera Etmopterus Colorinch Parigenera Colorinch Parigenera Colorinch Peristedio Trigla lyr Synagrops Brosmiculu Laemorema Etmopterus Colorinch Parigenera Colorinch Colorin

		220.15	CT STATION	· 43
DATE:23/ 8/94 GEAR TYL start stop duration	PE: BT No:6	POSITIC	N:Lat S Long E	405 1054
TIME :11:17:00 11:47:00 30 (min) LOG :3843.20 3844.70 1.50) Purpose of Area code	code: 3	,	
FDEPTH: 48 47 BDEPTH: 48 47	GearCond. Validity	code: 1		
Towing dir: 330° Wire out:				
Sorted: 60 Kg Total catch:	335.85	CATCH/H	OUR: 6/	1,70
PECIES	CATCH/HC weight nu		F TOT. C	SAMP
Frachydeuterus auritus Tepia officinalis hierredda		13816 188	63.87 12.53	77
agellus bellottii	83.60 36.30	3884 474	12.45 5.40	75 76
aja miraletus Priacanthus arenatus	12.98 11.66	44 120	1.93 1.74	
'istularia petimba Llectis alexandrinus	4.08 2.72	12 2	0.61 0.40	
phyraena guachancho llex coindetii	2.42	12 132	0.36 0.16	
ynoglossus canariensis loops boops	1.00	12 22	0.15	
agocephalus laevigatus Torpedo torpedo	0.78 0.78 0.12	12 12 12	0.12 0.12 0.02	
Gaurida brasiliensis	671.70		100.01	
			100.01	
start stop duration	PE: PT No:1	POSITIC	XT STATION N:Lat S Long E	400
TIME :12:25:00 12:55:00 30 (min LOG :3846.40 3848.40 2.00) Purpose (Area code	code: 1 e : 2		
FDEPTH: 20 20 BDEPTH: 48 47	Validity	.code: code: 9		
Towing dir: 130 Wire out:	80 m. Spee	ed: 40 kn*		
Sorted: Kg Total catch:		CATCH/I	IOUR :	
SPECIES		OUR LO	OF TOT. C	SAMP
Fotal	weight n	umpers .		
IULAI				
DATE: 23/ 8/94 GEAR TY	PE: BT No:1	PROJ	SCT STATION	355
start stop duration TIME :15:40:00 16:10:00 30 (min			Long E	1045
LOG :3873.70 3875.10 1.40	Area cod GearCond	e :2 .code:		
FDEPTH: 58 57 BDEPTH: 58 57 Towing dir: 316* Wire out:	Validity	code: 1	10	
Sorted: 75 Kg Total catch:				8.14
SPECIES	CATCH/H weight n	OUR 10 umbers 15318	OF TOT C	SAMP 80
Trachurus trecae Brachydeuterus aurítus Desellatti	548.10 540.00 84.42	17226	40.36 39.76 6.22	78
Pagellus bellottii Dentex angolensis Priacanthus arenatus	80.82 37.80	504 342	5.95	79
Raja miraletus Boops boops	19.08 13.86	54 468	1.40	
Sphyraena guachancho Pseudupeneus pravensis	11.70 8.10	36 72	0.86 0.60	
Sardinella maderensis Dentex canariensis	4.6B 4.14	36 36	0.34 0.30	
Epinephelus aeneus Saurida brasiliensis	1.28 1.26	72	0.09	
Chilomycterus spinosus mauret. Chelidonichthys gabonensis	0.92	2 18	0.07	
Sardinella aurita Arnoglossus imperialis	0.54	36 36	0.04	
Gragmoplites gruveli Lepidotrígla carolae	0.18 0.18 0.18	18 18 18	0.01 0.01 0.01	
Engraulis encrasicolus —	1358.14	10	99.97	
Total	1550.14			
	YPE: BT No:6		ECT STATIO	404
start stop duration TIME :18:40:00 19:10:00 30 (min	n) Purpose	code: 3	Long E	1027
LOG :3897.40 3898.90 1.50 FDEPTH: 274 280	Area coo GearCono	i.code:		
BDEPTH: 274 280 Towing dir: 335* Wire out:	Validity 800 m Spe	/ code: 1 ed: 29 kn	* 10	
Sorted: 32 Kg Total catch:	: 164.50	CATCH/	HOUR: 3	29.00
SPECIES	CATCH/I		OF TOT. C	SAMP
Chlorophthalmus atlanticus	weight : 163.50	3430	49.70	
Herluccius polli	94.00 30.50	180 324	28.57 9.27	81 82
Malacocephalus occidentalis Peristedion cataphractum	8.00 5.00	40 300	2.43	
Trigla lyra Synagrops microlepis	3.50 3.50	60 40	1.06	
Brosmiculus imberbis " Laemonema laureysi	3.00	40 70	0.91 0.91 0.79	
Etmopterus pusillus Zenion sp. Rterothricsus belloci	2.60 2.60 2.00	10 160 10	0.79 0.61	
Pterothrissus belloci Coelorinchus coelorhincus Parapenaeus longirostris	1.50 1.00	40	0.46	
Pontinus accraensis	1.00	40	0.30	
Plesionika martia Lepidotrigla cadmani		10	0.24	
Cynoponticus ferox	0 80	10	0.15	
Cynoponticus ferox Bathygadus melanobranchus Scyliorhinus stellaris	0 80 0.50 0.40		0.15 0.12 0.09	
Bathygadus melanobranchus Scyliorhinus stellaris Chascanopsetta lugubris	0 80 0.50 0.40 0.30 0.20 0.10	10 30 10 10	0,12 0,09 0,06 0,03	
Bathygadus melanobranchus Scyliorhinus stellaris	0 80 0.50 0.40 0.30 0.20 0.10 0.10 0.10	10 30 10 10 10 10 10	0,12 0,09 0,06 0,03 0,03 0,03	
Bathygadus melanobranchus Scyliorhinus stellaris Chascanopsetta lugubris Monolene microstoma OPHIDIIDAE Brachydeuterus auritus Epigonus pandionis Cyttopsis roseus	0 80 0.50 0.40 0.30 0.10 0.10 0.10 0.10 0.10	10 30 10 10 10 10 10 10 10	0,12 0,09 0,03 0,03 0,03 0,03 0,03 0,03	
Bathygadus melanobranchus Scyliorhinus stellaris Chascanopsetta lugubris Monolene microstoma OPHIDIIDAE Brachydeuterus auritus Epigonus pandionis	0 80 0.50 0.40 0.30 0.20 0.10 0.10 0.10 0.10	10 30 10 10 10 10 10 10	0,12 0,09 0,06 0,03 0,03 0,03 0,03	

		PRO.	ECT STATIC	DN: 47
DATE:23/ 8/94 GEAR TY start stop duration	PE: PT No:2	POSITI	ON:Lat.	5 348
TIME :23:00:00 23:30:00 30 (min LOG :3932.20 3933.70 1.50) Purpose c Area code	ode: 1 : 2	,	
FDEPTH: 15 15 BDEPTH: 64 68	GearCond. Validity	code :		
	110 m Spee	d: 35 kn	* 10	
Sorted: 71 Kg Total catch:	71.69	CATCH/	HOUR:	L43.38
SPECIES				
		mbers	OF TOT. C	SAMP
Trichiurus lepturus Trachurus trecae	50.50 44.70	70 316	35.22 31.18	83
Sardinella maderensis Sardinella aurita	29.80 11.90	162 56	20.78 8.30	85 84
Scomber japonicus Sepia bertheloti	4.22	20 14	2.94 0.45	86
Saurida brasiliensis Illex coindetii	0.60 0.52	122 140	0.42	
Selene dorsalis	0.50	4	0.35	
Total	143.38		100.00	
			ECT STATIC	
start stop duration	PE: PT No:1		ON:Lat S Long E	
TIME :01:11:00 01:24:00 13 (min LOG :3947.30 3948.00 0.70) Purpose c Area code	ode: 1 : 2		
FDEPTH: 12 13 BDEPTH: 56 57	GearCond. Validity	code :		
Towing dir: 300* Wire out:	80 m Speed	d: 34 kn	•10	
Sorted: 110 Kg Total catch:	2118.50	CATCH/	HOUR: 97	77.69
SPECIES	(*1 m/m) / /**	- GT	OF TOT. C	SAMP
		mbers		
Brachydeuterus auritus Trachurus trecae	1799.08	95866 14215	80.55 18.40	87 86
Scomber japonicus Sepia bertheloti	96.92 5.54	268 88	0.99 0.06	
Total	9777.69		100.00	
		880 1	ECT STATIC	N: 49
	PE: PT No:1		ON:Lat S	356
start stop duration TIME :03:12:00 03:42:00 30 (min		ode: 1	Long E	1052
LOG :3962.90 3964.80 1.90 FDEPTH: 10 10	Area code GearCond.	code :		
BDEPTH: 38 38 Towing dir: 330° Wire out:	Validity 70 m Speed	code: 1 d: 38 kn	•10	
Sorted: 21 Kg Total catch:		CATCH/		43.72
-				
SPECIES	CATCH/HO weight nu	UR % subers	OF TOT. C	SAMP
Sardinella aurita Sepia bertheloti	34.80	3978	79.60	89
Sphyraena guachancho	3.66 3.48	10	8.37 7.96	90
Sphyraena guachancho Trachurus trecae Illex coindetii	1.08 0.30	10 200	2.47	
	1.08	10	2.47	
Illex coindetii Brachydeuterus auritus	1.08 0.30 0.24 0.08 0.08	10 200 2	2.47 0.69 0.55 0.18 0.18	
Illex coindetií Brachydeuterus auritus Engraulis encrasicolus	1.08 0.30 0.24 0.08	10 200 2 8	2.47 0.69 0.55 0.18	
Illex coindetii Brachydeuterus auritus Engraulis encrasicolus Saurida brasiliensis	1.08 0.30 0.24 0.08 0.08	10 200 2 8	2.47 0.69 0.55 0.18 0.18	
Illex coindetii Brachydeuterus auritus Engraulis encrasicolus Saurida brasiliensis	1.08 0.30 0.24 0.08 0.08	10 200 2 8	2.47 0.69 0.55 0.18 0.18	
Illex coindetii Brachydeuterus auritus Engraulis encrasicolus Saurida brasiliensis	1.08 0.30 0.24 0.08 0.08 43.72	10 200 2 8 10	2.47 0.69 0.55 0.18 0.18 100.00	
Illex coindetii Brachydeuterus auritus Engraulis encrasicolus Saurida brasiliensis Total DATE: 24/ 8/94 GEAR TY Start stop duration	1.08 0.30 0.24 0.08 0.08 43.72	10 200 2 8 10 PROJ POSITI	2.47 0.69 0.55 0.18 0.18	3039
<pre>11lex coindetii Brachydeuterus auritus Engraulis encrasicolus Saurida brasiliensis Total DATE: 24/ 8/94 CEAR TY Start stop duration TIME :06:34:00 07:04:00 30 (min LoG :3984.80 0986.30 1.50</pre>	1.08 0.30 0.24 0.08 43.72 PE: BT No:6) Purpose C Area code	10 200 2 8 10 PROJ POSITI Ode: 3 : 2	2.47 0.69 0.55 0.18 0.18 100.00	3039
Illex coindetii Brachydeuterus auritus Engraulis encrasicolus Saurida brasiliensis Total DATE:24/ 8/94 CEAR TY start stop duration TIME :06:34:00 07:04:00 30 (min LOG :3984.80 3986.30 1.50 FDEPTH: 34 37 BDEPTH: 34 37	1.08 0.30 0.24 0.08 0.08 43.72 PE: BT No:6) Purpose C Area code GearCond. Validity	10 200 2 8 10 PROJ POSITI ode: 3 : 2 code: 1	2.47 0.69 0.55 0.18 0.18 100.00 ECT STATIC ON:Lat S Long E	3039
<pre>11.ex coindetii Brachydeuterus auritus Engraulis encrasicolus Saurida brasiliensis Total DATE: 24/ 8/94 GEAR TY start stop duration TIME : 06: 33: 00 07: 04: 00 30 (min Loc : 3984.80 3986.30 1.50 PDEPTH: 34 37 BDEPTH: 34 37 Towing dir: 165' Wire out:</pre>	1.08 0.30 0.24 0.08 0.08 43.72 PE: BT No:6) Purpose C Area code GearCond. Validi. 25 m Speed	10 200 2 8 10 PROJ POSITI ode: 3 : 2 code: 1 code: 1 d: 31 kn	2.47 0.69 0.55 0.18 100.00 N:Lat S Long E	3039 1042
Illex coindetii Brachydeuterus auritus Engraulis encrasicolus Saurida brasiliensis Total DATE:24/ 8/94 CEAR TY start stop duration TIME :06:34:00 07:04:00 30 (min LOG :3984.80 3986.30 1.50 FDEPTH: 34 37 BDEPTH: 34 37	1.08 0.30 0.24 0.08 0.08 43.72 PE: BT No:6) Purpose C Area code GearCond. Validi. 25 m Speed	10 200 2 8 10 PROJ POSITI ode: 3 : 2 code: 1	2.47 0.69 0.55 0.18 100.00 N:Lat S Long E	3039
<pre>11.ex coindetii Brachydeuterus auritus Engraulis encrasicolus Saurida brasiliensis Total DATE: 24/ 8/94 GEAR TY start stop duration TIME : 06: 33: 00 07: 04: 00 30 (min Loc : 3984.80 3986.30 1.50 PDEPTH: 34 37 BDEPTH: 34 37 Towing dir: 165' Wire out:</pre>	1.08 0.30 0.24 0.08 0.08 43.72 PE: BT No:6) Purpose C Area code GearCond. Validity 125 m Speet 25.40 CATCH/MO	10 200 2 8 10 PROJ POSITI Ode: 3 : 2 code: 1 d: 31 km CATCH/	2.47 0.69 0.55 0.18 100.00 PECT STATIC ON:Lat S Long E	3039 1042
11 lex coindetii Brachydeuterus auritus Engraulis encrasicolus Saurida brasiliensis Total DATE: 24/ 8/94 GEAR TY Start stop duration TIME 106: 34:00 07: 04:00 30 (min LOG : 1984.80 3986.30 1.50 FDEPTH: 34 37 BDEPTH: 34 37 Towing dir: 165' Wire out: Sorted: 12 Kg Total catch: SPECIES Ephippion guttifer	1.08 0.30 0.24 0.08 0.08 43.72 PE: BT No:6) Purpose C Area code GearCond. validity 125 m Spee 25.40 CATCH/MO veight nu 11.56	10 200 2 8 10 POSITI code: 3 code: 3 code: 1 d: 31 kn CATCH/ UR 1 mbers 4	2.47 0.69 0.55 0.18 100.00 PET STATIC N:Lat S Long E *10 HOUR: OF TOT. C 26.69	3039 1042 50.80 SAMP
11 lex coindetii Brachydeuterus auritus Engraulis encrasicolus Saurida brasiliensis Total DATE: 24/ 8/94 CEAR TY Start stop duration TIME 106: 34: 00 07: 04: 00 30 (min LOG : 3984.80 3986.30 1.50 FDEPTH: 34 37 Towing dir: 165' Wire out: Sorted: 12 Kg Total catch: SPECIES Ephippion guttifer Pagellus bellottii Carcharthus signatus	1.08 0.30 0.24 0.08 0.08 43.72 PE: BT No:6) Purpose C Area code GearCond. validity 125 m Speet 25.40 CATCH/MO veight nu 13.56 10.24 9.64	10 200 2 8 10 PROJ POSITI ode: 1 10 code: 1 d: 31 kn CATCH/ UR 1 mbers 4 4 112 4	2.47 0.69 0.55 0.18 100.00 ECT STATIC ON:Lat S Long E •10 HOUR:	3039 1042 50.80
<pre>11.ex coindetii Brachydeuterus auritus Engraulis encrasicolus Saurida brasiliensis Total DATE: 24/ 8/94 CEAR TY Start stop duration TIME : 06: 34:00 07:04:00 30 (min LOC : 3984.60 3986.30 1.50 PDEPTH: 34 37 Toving dir: 165' Wire out: Sorted: 12 Kg Total catch: SPECIES Ephippion guttifer Pagellus bellottii Carcharhinus signatus Illez coindetii </pre>	1.08 0.30 0.24 0.08 0.08 43.72 PE: BT No:6) Purpose C Area code Gearcond. validit. 125 m Speed 25.40 CATCH/HO weight nu 13.56 10.24 9.64 4.84	10 200 2 8 10 PROJITI POSITI Ode: 3 code: 1 code: 1 d: 31 kn CATCH/ UR 1 mbers 4 112	2.47 0.69 0.55 0.18 100.00 PCT STATIC ON:Lat S Long E •10 HOUR: 0F TOT. C 26.69 20.16 18.98 9 53	3039 1042 50.80 SAMP
<pre>11.ex coindetii Brachydeuterus auritus Engraulis encrasicolus Saurida brasiliensis Total DATE: 24/ 8/94 CEAP TY start stop duration TIME : 06:34:00 07:04:00 30 (min LOC : 3984:60 3986:30 1.50 PDEPTH: 34 37 DDEPTH: 34 37 Towing dir: 165' Wire out: Sorted: 12 Kg Total catch: SPECIES Ephippion guttifer Pagellus bellottii Carcharhinus signatus Illex coindetii Fistularia petimba Peristedion cataphractum</pre>	1.08 0.30 0.24 0.08 0.08 43.72 43.72 PE: BT No:6) Purpose C Area code Gearcond. validit 125 m Speed 25.40 CATCH/HO weight nu 13.56 10.24 9.64 4.84 3.00 2.80	10 200 2 8 10 PROJ POSITI Ode: 3 : 2 code: 3 code: 1 code: 1 d: 31 kn CATCH/ UR 1 12 4 112 4 2336 8 120	2.47 0.69 0.55 0.18 100.00 MOLAT S Long E *10 HOUR: 26.69 20.16 18.98 9.5.91 5.51	3039 1042 50.80 SAMP
<pre>11.ex coindetii Brachydeuterus auritus Engraulis encrasicolus Saurida brasiliensis Total DATE: 24/ 8/94 CEAP TY start stop duration THME :06:34:00 07:04:00 30 (min LOG :3984:80 3986:30 1.50 FDEPTH: 34 37 BDEPTH: 34 37 Towing dir: 165' Wire out: Sorted: 12 Kg Total catch: SPECIES Ephippion guttifer Pagellus bellottii Carcharhius signatus Illex coindetii Fistularia petimba Peristedion cataphractum Priscanthus arenatus Chlorophthalmus atlanticus</pre>	1.08 0.30 0.24 0.08 0.08 43.72 43.72 43.72 PE: BT No:6 Area code Gearcond. validity 125 m Speed 25.40 CATCH/HO veight Duu 13.56 10.24 9.64 4.84 3.00 2.80 1.40 1.20	10 200 2 8 10 PROJ POSITI Ode: 3 code: 1 code: 1 code: 1 d: 31 kn CATCH/ UR 1 112 4 112 4 2336 8 8 28	2.47 0.69 0.55 0.18 100.00 N:Lat 5 Long E *10 HOUR: 0F TOT, C 26.69 20.16 18.96 35.91 5.51 2.76 2.36	3039 1042 50.80 SAMP
<pre>11.ex coindetii Brachydeuterus auritus Engraulis encrasicolus Saurida brasiliensis Total DATE: 24/ 8/94 CEAP TY start stop duration THME : 06:34:00 07:04:00 30 (min LOC : 3984:80 3986:30 1.50 FDEPTH: 34 37 BDEPTH: 34 37 BDEPTH: 34 37 Towing dir: 165' Wire out: Sorted: 12 Kg Total catch: SPECIES Ephippion guttifer Pragellus bellottii Carcharhius signatus Illex coindetii Fistularia petimba Peristedion cataphractum Priscanthus arenatus Chlorophtalmus atlanticus Balistes capriscus Geryon maritae</pre>	1.08 0.30 0.24 0.08 0.08 43.72 43.72 PE: BT No:6) Purpose C Area code Gearcond. validit 125 m Speed 25.40 CATCH/HO Weight num 13.56 10.24 9.64 4.84 3.00 1.20 1.20 1.20	10 200 2 8 10 PROJ POSITI ode: 3 code: 3 code: 1 code: 1 d: 31 kn CATCH/ 0R 4 112 4 2336 8 234 4 4	2.47 0.69 0.55 0.18 100.00 PCT STATIC ON:Lat 5 Long E *10 HOUR: 0F TOT. C 26.69 20.16 18.96 35.91 5.91 5.91 2.76 2.36 2.16	3039 1042 50.80 SAMP
<pre>11.ex coindetii Brachydeuterus auritus Engraulis encrasicolus Saurida brasiliensis Total DATE: 24/ 8/94 CEAP TY start stop duration THME : 06: 34:00 07:04:00 30 (min LOC : 3984.80 3986.30 1.50 FDEPTH: 34 37 BDEPTH: 34 37 BDEPTH: 34 37 Towing dir: 165' Wire out: Sorted: 12 Kg Total catch: SPECIES Ephippion guttifer Pragellus bellottii Carcharhius signatus Illex coindetii Pistularia petimba Peristedion catephractum Priscanthus arenatus Chlorophtalmus atlanticus Balistes capriscus Geryon maritae Eumunida squamifera Chelidonichthys lucerna</pre>	1.08 0.30 0.24 0.08 0.08 43.72 43.72 43.72 PE: BT No:6) Purpose C Area code GearCond. Validit. 13.56 25.40 CATCH/MO veight nu 13.56 10.24 9.64 9.64 9.64 1.20 1.20 1.20 1.08 0.80 0.56	10 200 2 8 10 PROJ POSITI ode: 3 code: 3 code: 1 code: 1 d: 31 kn CATCH/ UR 1 112 4 2336 8 120 8 28 4 4 4 4 4 4	2.47 0.69 0.55 0.18 100.00 PCT STATIC ON:Lat S Long E *10 HOUR: OF TOT. C 26.69 20.16 18.95 5.51 5.51 5.51 5.51 5.51 5.51 5.51 5	3039 1042 50.80 SAMP
<pre>11.ex coindetii Brachydeuterus auritus Engraulis encrasicolus Saurida brasiliensis Total DATE: 24/ 8/94 GEAR TY start stop duration TIME : 06: 34:00 07: 04:00 30 (min LOG : 3984.80 3986.30 1.50 FDEPTH: 34 37 BDEPTH: 34 37 Towing dir: 165' Wire out: Sorted: 12 Kg Total catch: SPECIES Ephippion guttifer Pagellus beliottii Carcharthus signatus Illex coindetii Fristulai petimba Peristedion cataphractum Priscantus arenatus Chlorophthalmus atlanticus Balistes capriscus Geryon maritae Eumunida squamifera</pre>	1.08 0.30 0.24 0.08 0.08 43.72 PE: BT No:6) Purpose c 43.72 PE: BT No:6) Purpose c Gaarcond. validity 125 = Spee 25.40 CATCH/HO Weight nu 13.56 10.24 9.64 4.84 3.00 2.80 1.20 1.20 1.20 1.20 1.20	10 200 2 8 10 POSITI code: 1 d: 31 kn CATCH/ UR 1 12 4 2336 8 120 CATCH/ 0 R 1 8 236 8 8 28 4 4 4 8	2.47 0.69 0.55 0.18 100.00 PECT STATIC ON:Lat 5 Long E *10 HOUR: 0F TOT. C 26.69 20.16 18.90 9 53 5.91 5.51 2.76 2.36 2.36 2.13 1.57	3039 1042 50.80 SAMP
<pre>11.ex coindetii Brachydeuterus auritus Engraulis encrasicolus Saurida brasiliensis Total DATE: 24/ 8/94 GEAR TY start stop duration TIME 106: 34:00 07:04:00 30 (min LOC : 3984.80 3986.30 1.50 FDEPTH: 34 37 DDEPTH: 34 37 Toving dir: 165' Wire out: Sorted: 12 Kg Total catch: SPECIES Ephippion guttifer Pagellus bellotii Carcharhinus signatus Illex coindetii Flistularia petimba Peristedion cataphractum Priscantus arentus Chlorophthalmus atlanticus Balistes capriscus Geryon maritae Dummida squamifera Chelidonichthys lucerna Liocarcinus corrugatus</pre>	1.08 0.30 0.24 0.08 0.08 43.72 PE: BT No:6) PULPOSE C 43.72 PE: BT No:6) PULPOSE C GearCond. Validity 125 = Spee 25.40 CATCH/HO Weight nu 13.56 10.24 9.64 4.84 3.00 2.80 1.20 1.20 1.20 1.20 0.80 0.56 0.32	10 200 2 8 10 PROJJ POSITI Ode: 3 code: 3 code: 1 d: 31 kn CATCH/ UR 1 12 4 2336 8 120 8 28 4 4 4 4 4 4	2.47 0.69 0.55 0.18 100.00 PECT STATIC ON:Lat S Long E *10 NOUR: 0F TOT. C 26.69 20.16 18.998 9.53 5.91 5.51 2.76 2.36 2.36 2.36 2.36 2.13 1.57 1.10 0.63	3039 1042 50.80 SAMP
<pre>11.ex coindetii Brachydeuterus auritus Engraulis encrasicolus Saurida brasiliensis Total DATE: 24/ 8/94 GEAR TY start stop duration TIME 16: 34:00 07:04:00 30 (min LOG : 3984.80 3986.30 1.50 FDEPTH: 34 37 DDEPTH: 34 37 Toving dir: 165' Wire out: Sorted: 12 Kg Total catch: SpECIES Ephippion guttifer Pragellus bellotii Carcharhious signatus Illex coindetii Fiscularia petimba Peristedion cataphractum Priscuthus arenatus Chlorophthalmus atlanticus Ballstes capriscus Geryon maritae Epusnida squamifera Chelidonichthys lucerna Liocarcinus corrugatus Cruiraja parcomaculata</pre>	1.08 0.30 0.24 0.08 0.08 43.72 PE: BT No:6) Purpose C Garcond. validity 125 = Spee 25.40 CATCH/HO Weight nu 13.56 10.24 9.64 4.84 3.00 2.80 1.20 1.20 1.20 1.20 0.86 0.32 0.16	10 200 2 8 10 PROJJ POSITI Ode: 3 code: 3 code: 1 d: 31 kn CATCH/ UR 1 12 4 2336 8 120 8 28 4 4 4 4 4 4	2.47 0.69 0.55 0.18 0.18 100.00 N:Lat 5 Long E *10 HOUR: 0F TOT. C 26.69 20.16 18.98 9 53 5.91 5.51 2.76 2.36 2.36 2.36 2.36 3.59 1.51 2.76 3.51 2.76 3.51 2.76 2.36 2.36 2.36 2.36 2.36 2.36 2.36 2.3	3039 1042 50.80 SAMP
<pre>11.ex coindetii Brachydeuterus auritus Engraulis encrasicolus Saurida brasiliensis Total DATE: 24/ 8/94 GEAR TY start stop duration TIME 16: 34:00 07:04:00 30 (min LOG : 3984.80 3986.30 1.50 FDEPTH: 34 37 DDEPTH: 34 37 Toving dir: 165' Wire out: Sorted: 12 Kg Total catch: SpECIES Ephippion guttifer Pragellus bellotii Carcharhious signatus Illex coindetii Fiscularia petimba Peristedion cataphractum Priscuthus arenatus Chlorophthalmus atlanticus Ballstes capriscus Geryon maritae Epusnida squamifera Chelidonichthys lucerna Liocarcinus corrugatus Cruiraja parcomaculata</pre>	1.08 0.30 0.24 0.08 0.08 43.72 PE: BT No:6) Purpose C Garcond. validity 125 = Spee 25.40 CATCH/HO Weight nu 13.56 10.24 9.64 4.84 3.00 2.80 1.20 1.20 1.20 1.20 0.86 0.32 0.16	10 200 2 8 10 PROJJ POSITI Ode: 3 code: 3 code: 1 d: 31 kn CATCH/ UR 1 12 4 2336 8 120 8 28 4 4 4 4 4 4	2.47 0.69 0.55 0.18 0.18 100.00 N:Lat 5 Long E *10 HOUR: 0F TOT. C 26.69 20.16 18.98 9 53 5.91 5.51 2.76 2.36 2.36 2.36 2.36 3.59 1.51 2.76 2.36 2.36 2.36 2.36 2.36 2.36 2.36 2.3	3039 1042 50.80 SAMP
<pre>11.ex coindetii Brachydeuterus auritus Engraulis encrasicolus Saurida brasiliensis Total DATE: 24/ 8/94 GEAR TY</pre>	1.08 0.30 0.24 0.08 0.08 43.72 PE: BT No:6) Purpose C Area code GearCond. Validity 125 = Speet 25.40 CATCH/HO Weight nu 13.56 10.24 9.64 4.84 3.00 2.80 1.20 1.20 1.20 0.56 0.32 0.16	10 200 2 8 10 PROJJ POSITI Ode: 3 10 CATCH/ UR 1 12 4 112 4 2336 8 120 8 28 8 28 4 4 4 0 12 PROJ	2.47 0.69 0.55 0.18 100.00 PECT STATIC ON:Lat S Long E +10 HOUR: 0F TOT. C 26.69 20.16 18.96 2.36 2.36 2.36 2.36 2.36 2.36 2.36 2.3	: 3039 : 1042 : 50.80 : SANP 91 : 91
<pre>11.lex coindetii Brachydeuterus auritus Engraulis encrasicolus Saurida brasiliensis Total DATE: 24/ 8/94 GEAR TY</pre>	1.08 0.30 0.24 0.08 0.08 43.72 PE: BT No:6) Purpose C Area code GearCond. Validity 125 = Speet 25.40 CATCH/HO Weight nu 13.56 10.24 4.84 3.80 1.20 1.20 1.20 0.86 0.32 0.16 50.80 PE: BT No:6	10 200 2 8 10 PROJJ POSITI d: 31 code: 3 2 code: 3 code: 1 d: 31 km CATCH/ UR 12 8 2336 8 28 8 28 8 4 4 4 40 12 PROJ POSITI	2.47 0.69 0.55 0.18 100.00 N:Lat 5 Long E *10 HOUR: OF TOT. C 26.69 20.16 18.96 2.36 2.36 2.36 2.36 2.13 1.57 1.10 0.63 0.31	: 3039 : 1042 50.80 SAMP 91 91
<pre>11.ex coindetii Brachydeuterus auritus Engraulis encrasicolus Saurida brasiliensis Total DATE: 24/ 8/94 GEAR TY start stop duration TINE :06: 34:00 07: 04:00 03 (min LoC : 3984.80 3986.30 1.50 FDEPTH: 34 37 Toving dir: 165' Wire out: Sorted: 12 Kg Total catch: SPECIES Ephippion guttifer Pragellus bellottii Carcharhius signatus Tilez coindetii Pistularia petimba Peristedion cataphractum Priscanthus arenatus Chlorophthalmus atlanticus Balistes capriscus Geryon maritae Dumuida squamifera Cheidonichthys lucerna Licoarcinus corrugatua Crutiraja parcomaculata Total DATE: 24/ 8/94 GEAR TY start stop duration TINE :08: 24:00 08: 54:00 30 (min LoG : 3986.40 3997.90 1.50 </pre>	1.08 0.30 0.24 0.08 0.08 43.72 PE: BT No:6) Purpose c Area code GearCond. Validity 125 m Speet 25.40 CATCH/MO Veight nu 13.56 10.24 10.24 1.25 10.64 4.80 1.20 1.20 1.20 1.20 1.08 0.86 0.32 0.16 50.80 PE: BT No:6	10 200 2 8 10 PROJJ POSITI ode: 3 code: 3 code: 3 code: 1 d: 31 km CATCH/ 0R 1 2336 20 8 28 8 28 4 4 4 4 4 0 12 PROJ POSITI Ode: 3 code: 1 code: 2 code: 2 code: 1 d: 31 km 2336 4 4 4 4 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	2.47 0.69 0.55 0.18 0.18 100.00 PECT STATIC N:Lat S Long E *10 HOUR: 0F TOT. C 26.69 20.16 18.98 9.53 5.51 2.76 2.36 2.36 2.36 2.36 0.31 100.00 PECT STATIC 0.55 0.18 100.00 PECT STATIC 0.55 100.00 PECT STATIC 0.55 100.00 PECT STATIC 0.55 100.00 PECT STATIC 0.55 100.00 PECT STATIC 0.55 100.00 PECT STATIC 0.55 100.00 PECT STATIC 0.55 100.00 PECT STATIC 0.55 0.18 PECT STATIC 0.55 0.18 PECT STATIC 0.55 0.18 PECT STATIC 0.55 0.18 PECT STATIC 0.55 0.18 PECT STATIC 0.55 0.18 PECT STATIC 0.55 0.18 PECT STATIC 0.55	: 3039 : 1042 50.80 SAMP 91 91 ; 333
<pre>Illex coindetii Brachydeuterus auritus Engraulis encrasicolus Saurida brasilieusis Total DATE: 24/ 8/94 GEAR TY Start stop duration TIME : 06: 34: 00 07: 04: 00 0 0 (min Loc : 3984: 60 3986: 30 1.50 FDEPTH: 34 37 Toving dir: 165' Wire out: Sorted: 12 Kg Total catch: SPECIES Ephippion guttifer Pagellus bellottii Carcharhius signatus Illex coindetii Pistularia petimba Peristedion cataphractum Priscanthus arenatus Chlorophtalmus atlanticus Balistes capriscus Geryon maritae Dumbida squamifera Chelidonichtys lucerna LioCarcinus corrugatus Crutiraja parcomaculata Total DATE: 24/ 8/94 GEAR TY start stop duration TIME : 08: 24:00 08: 54:00 30 (min LoG : 3996: 40 3997, 90 1.50 FDEPTH: 30 31 BDEPTH: 30 31 </pre>	1.08 0.30 0.24 0.08 0.08 43.72 PE: BT No:6) Purpose C Area code GearCond. Validity 125 = Speet 25.40 CATCH/HO Weight nu 13.56 10.24 9.64 4.84 3.00 2.80 1.20 1.20 1.20 1.20 50.80 PE: BT No:6) Purpose C Area code Catological State State State State Catological State Sta	10 200 2 8 10 PROJ POSITI code: 3 code: 1 d: 31 km CATCH/ UR 1 4 2336 8 28 4 4 12 23 4 12 23 4 12 23 4 12 23 4 12 23 4 12 23 4 12 23 24 4 12 23 25 25 25 25 25 25 25 25 25 25	2.47 0.69 0.55 0.18 100.00 N:Lat S Long E •10 NOUR: 0F TOT. C 26.69 20.16 18.95 2.16 2.36 2.36 2.36 2.36 2.36 2.36 2.36 2.3	: 3039 : 1042 50.80 SAMP 91 91 ; 333
<pre>11.ex coindetii Brachydeuterus auritus Engraulis encreaicolus Saurida brasiliensis Total DATE: 24/ 8/94 CEAR TY start stop duration TIME :06: 34:00 07:04:00 10 (min LOC :: 394:00 3986: 30 1.50 FDDPTH: 34 37 Toving dir: 165' Wire out: Sorted: 12 Rg Total catch: SPECIES Ephippion guttifer Pagellus bellottii Carcharhigus eignatus Tilez coindetii Fistularia petimba Peristedion cataphractum Priacanthus arenatus Chlorophtalmus atlanticus Balistes capriscus Geryon maritae Dummida squamifera Liocarcinus corrugatus Crutiraja parcomaculata Total DATE: 24/ 8/94 CEAR TY start stop duration TIME :08: 24:00 08: 54:00 30 (min LOG :: 3996: 40 397. 90 1.50 FDEPTH: 30 31 DDEPTH: 30 31 Towing dir: 165' Wire out: </pre>	1.08 0.30 0.24 0.08 0.08 43.72 PE: BT No:6) Purpose C Area code Gearcond. validity 125 m Speet 25.40 CATCH/NO Veight nu 13.56 10.24 9.64 4.84 3.00 2.80 1.20 1.20 1.20 1.08 0.56 0.56 0.56 0.56 0.56 0.56 0.56 0.56	10 200 2 8 10 PROJ POSITI code: 3 code: 1 d: 31 km CATCH/ UR 1 4 2336 8 28 4 4 12 23 4 12 23 4 12 23 4 12 23 4 12 23 4 12 23 4 12 23 24 4 12 23 25 25 25 25 25 25 25 25 25 25	2.47 0.69 0.55 0.18 100.00 N:Lat S Long E •10 NOUR: 0F TOT. C 26.69 20.16 18.95 2.16 2.36 2.36 2.36 2.36 2.36 2.36 2.36 2.3	: 3039 : 1042 50.80 SAMP 91 91 ; 333
<pre>Iller coindetii Brachydeuterus auritus Engraulis encrasicolus Saurida brasiliensis Total DATE: 24/ 8/94 GEAR TY</pre>	1.08 0.30 0.24 0.08 0.08 43.72 PE: BT No:6) Purpose c Area code GearCond. Validity 125 m Speet 25.40 CATCH/MO Veight nu 13.56 10.24 9.64 4.80 1.20 1.20 1.28 0.84 4.300 2.80 1.20 1.20 1.28 0.16 50.80 PE: BT No:6	10 200 2 8 10 PROJ POSITI code: 3 code: 1 d: 31 km CATCH/ UR 1 4 2336 8 28 4 4 12 23 4 12 23 4 12 23 4 12 23 4 12 23 4 12 23 4 12 23 24 4 12 23 25 25 25 25 25 25 25 25 25 25	2.47 0.69 0.55 0.18 100.00 N:Lat 5 Long E •10 HOUR: 0F TOT. C 26.69 20.16 18.90 9.51 5.51 5.51 2.36 2.36 2.36 2.36 2.36 2.36 2.36 2.36	: 3039 : 1042 50.80 SAMP 91 91 ; 333
<pre>11.ex coindetii Brachydeuterus auritus Engraulis encrasicolus Saurida brasiliensis Total DATE: 24/ 8/94 CEAR TY start stop duration TIME :06:34:00 07:04:00 30 (min Loc :3984.60 3986.30 1.50 PDEPTH: 34 37 Toving dir: 165' Wire out: Sorted: 12 Rg Total catch: SPECIES Ephippion guttifer Pagellus bellottii Carcharhinus signatus Tilez coindetii Pistularia petimba Peristedion cataphractum Priscanthus arenatus Chlorophthalmus atlanticus Balistes capriscus Ceryon maritae Dumnida squamifera Chelidonichthys lucerna Liocarcinus corrugatus Crufiraja parcomaculata Total DATE: 24/ 8/94 CEAR TY start stop duration TIME :08:24:00 08:54:00 30 (min LoC :3996.40 3997.90 1.50 FDEPTH: 30 31 BDEPTH: 30 31 Towing dir: 165' Wire out: </pre>	1.08 0.30 0.24 0.08 0.08 43.72 PE: BT No:6) Purpose C Area code Gearcond. validity 125 m Spee 25.40 CATCH/MO Veight nu 13.56 10.24 9.64 4.84 3.00 2.80 1.20 1.20 1.20 1.20 50.80 PE: BT No:6) Purpose C Area code Gearcond. validity 100 n Spee 1060.38	10 200 2 2 2 2 2 2 2 2 2 2 2 2 2	2.47 0.69 0.55 0.18 0.18 100.00 ECT STATICO N:Lat S Long E *10 HOUR: 0F TOT. C 26.69 20.16 18.98 9.53 5.51 2.76 2.37 2.57 2.57 2.57 2.57 2.	: 3039 : 1042 50.80 SAMP 91 91 : 333 : 1040 .20.76
<pre>11.ex coindetii Brachydeuterus auritus Engraulis encrasicolus Saurida brasiliensis Total DATE: 24/ 8/94</pre>	1.08 0.30 0.24 0.08 0.08 0.08 43.72 PE: BT No:6) Purpose C Area code GearCond. validity 125 m Speet 25.40 CATCH/MO veight nu 13.56 10.24 9.64 4.84 3.00 2.80 1.20 1.20 1.20 1.20 50.80 PE: BT No:6) Purpose C Area code GearCond. validity 100 m Speet 106.38 CATCH/MO	10 200 2 2 2 2 2 2 2 2 2 2 2 2 2	2.47 0.69 0.55 0.18 0.18 100.00 ECT STATIC N:Lat S Long E *10 HOUR: OF TOT. C 26.69 20.16 19.55 2.36 2.57 2.5	: 3039 : 1042 50.80 SAMP 91 91 91 : 333 : 1040 .20.76 SAMP
<pre>11.lex coindetii Brachydeuterus auritus Engraulis encrasicolus Saurida brasiliensis Total DATE: 24/ 8/94 CEAR TY start stop duration TIME :06:34:00 07:04:00 30 (min LoG :3984.80 1:50 FDEPTH: 34 37 Towing dir: 165' Wire out: Sorted: 12 Kg Total catch: SPECIES Ephippion guttifer Pagellus bellottii Carcharthus argunatus Pristularia petimba Pristedion cataphractum Pristularia petimba Pristedion cataphractum Chelidokichthys lucerna LioCarcharthus argunatus LioCarcharthus argunatus DATE: 24/ 8/94 CEAR TY start stop duration Total DATE: 24/ 8/94 CEAR TY Start stop duration Total DATE: 24/ 8/94 CEAR TY Start stop duration Time :08: 24:00 08: 54:00 30 (min LoG :3996.40 3997.90 1.50 FDEPTH: 30 31 DDEPTH: 30 31 DATE: 58 Kg Total catch: SPECIES SPECIES Brachydeuterus auritus Trachurus trecae </pre>	1.08 0.30 0.24 0.08 0.08 0.08 43.72 PE: BT No:6) Purpose C Area code Gearcond. validity 125 m Spee 25.40 CATCH/HO Veight nu 13.5 10.24 9.64 4.84 3.00 2.80 1.20 1.20 1.20 1.20 1.20 50.80 PE: BT No:6) Purpose C Area code Gearcond. validity 100 m Spee 100 m Spee 10	10 200 2 200 2 PROJ POSITI ode: 3 2 code: 1 31 kn CATCH/ UR 1 PROJ POSITI 0 0 0 0 0 0 0 0 0 0 0 0 0	2.47 0.69 0.55 0.18 0.18 100.00 ECT STATICO N:Lat S Long E *10 HOUR: 0F TOT. C 26.69 20.16 18.98 9 53 5.51 2.76 2.36 2.77 1.07 1.77 2.76 2.77 2.76 2.76 2.77 2.76 2.76 2.76 2.76 2.76 2.77 2.76 2.77 2.76 2.77 2.76 2.77 2.76 2.77 2.76 2.77 2.76 2.77 2.76 2.77 2.76 2.77 2.76 2.76 2.76 2.76 2.76 2.76 2.76 2.76 2.76 2.77 2.	: 3039 : 1042 50.80 SAMP 91 91 : 333 : 1040 .20.76 SAMP 93 92
<pre>11.lex coindetii Brachydeuterus auritus Engraulis encrasicolus Saurida brasiliensis Total DATE: 24/ 8/94 CEAR TY start stop duration TIME :06:34:00 07:04:00 30 (min LoG :3984.80 376 1.50 FDEPTH: 34 37 Towing dir: 165' Wire out: Sorted: 12 Kg Total catch: SPECIES Ephippion guttifer Pagellus bellottii Carcharthus signatus Illex coindetii Pistularia petimba Prisanthus argantus Chaldonthys lucerna Liocarcinus corrugatus Cruiria parcomaculata Total DATE: 24/ 8/94 CEAR TY start stop duration Time :08:24:00 08:54:00 30 (min LoC :3996.40 3997.90 1.50 FDEPTH: 30 31 DDEPTH: 30 31 DATE: 28 Kg Total catch: SPECIES Species Brachydeuterus auritus Trachurus trecae Chiorometry curves Chaldontic setting Cruiria setting Cruiria setting Cruiria parcomaculata Total DATE: 24/ 8/94 CEAR TY start stop duration Time :08:24:00 08:54:00 30 (min LoC :3996.40 3997.90 1.50 FDEPTH: 30 31 Towing dir: 165' Wire out: Sorted: 58 Kg Total catch: SPECIES Frachydeuterus auritus Trachurus trecae Chiorometry curves Chiorometry</pre>	1.08 0.30 0.24 0.08 0.08 43.72 PE: BT No:6) Purpose c Area code Gearcond. validity 125 m Spee 25.40 CATCH/HO Veight Dut 13.56 10.24 9.64 4.84 3.00 2.80 1.20 1.20 1.20 1.20 50.80 PE: BT No:6) Purpose c Area code Gearcond. validity 100 m Spee 100 m State CATCH/HO Veight nu 1571.40 248.40 223.20 38.16	10 200 2 200 2 200 2 2 2 2 2 2 2 2 2 2 2 2 2	2.47 0.69 0.55 0.18 0.18 100.00 ECT STATIC NOIR: *10 HOUR: *10 HOUR: 2.669 20.16 18.98 9.551 2.76 2.37 2.6 2.6 2.6 2.6 2.6 2.6 2.6 2.6	: 3039 : 1042 50.80 SAMP 91 91 91 : 333 : 1040 .20.76 SAMP 93
11 Lex coindetii Brachydeuterus auritus Engraulis encrasicolus Saurida brasiliensis Total DATE: 24/ 8/94 CEAR TY start stop duration THE :06:34:00 07:04:00 30 (min LGG :3984.80 1.50 PDEPTH: 34 37 FDEPTH: 34 37 Towing dir: 165' Wire out: Sorted: 12 Kg Species Pph/ppion guttifer Pagellus bellottii Carcharthous signatus Tite: coindetii Pistularia petimba Peristedion cataphractum Priscantinus gionatus Llocarcinus corrugatus Chirophthalmus atlanticus Balistes capriscus Chirophthalmus atlanticus Balistes capriscus Cruitraja parcomaculata TINE :08:24:00 08:4:00 30 (min Locarinus corrugatus Cruitraja parcomaculata TOtal DATE: 24/ 8/94 CEAR TY Sorted: 58 Kg Total catch: SPECIES Brachydeuterus auritus Sorted: 58 Kg Total catch: SPE	1.08 0.30 0.24 0.08 0.08 0.08 43.72 PE: BT No:6) Purpose c Area code Gearcond. validity 125 = Spee 25.40 CATCH/HO veight Duu 13.56 10.24 9.64 4.84 3.00 2.80 1.20 1.40 2.21 2.20 1.81 1.81 1.81 1.84	10 200 2 2 2 2 2 2 2 2 2 2 2 2 2	2.47 0.69 0.55 0.18 0.18 100.00 ECT STATIC 0N:Lat 5 Long E •10 HOUR: 0F TOT. C 26.69 20.16 19.51 2.76 2.36 0.31 100.00 ECT STATIC 0.07 E Long E	: 3039 : 1042 50.80 SAMP 91 91 : 333 : 1040 .20.76 SAMP 93 92
<pre>11.lex coindetii Brachydeuterus auritus Engraulis encreaicolus Saurida brasiliensis Total DATE: 24/ 8/94 CEAF TY start stop duration TIME :06: 34:00 07:04:00 30 (min LOC : 3984:80 3986.30 1.50 FDEPTH: 34 37 BDEPTH: 34 37 Towing dir: 165' Wire out: Sorted: 12 Kg Total catch: SPECIES Ephippion guttifer Pragellus bellottii Carcharhus arenatus Chlorophthalmus atlanticus Balistes capriscus Geryon maritae Dumitia petimba Total DATE: 24/ 8/94 CEAF TY LoCarcinus corrugatus Tutk: 30: 311 DOTE: 30 391 DATE: 24/ 8/94 CEAF TY SPECIES Ephippion guttifer Sorted: 12 Kg Total catch: SPECIES DATE: 24/ 8/94 CEAF TY Sorted: 58 Kg Total catch: SPECIES Brachydeuterus auritus Trachurus trecae Chlorophta Start Stop duration SPECIES Brachydeuterus auritus Trachurus trecae Chlorocombrus chrysurus Trichiurus lepturus Sphyraena guachancho DATE: 24/ 8/94 CEAF TY Chlorocombrus chrysurus Trichiurus lepturus Chlorocombrus chrysurus Trichiurus lepturus Chlorocombrus chrysurus Ch</pre>	1.08 0.30 0.24 0.08 0.08 43.72 43.72 PE: BT No:6) Purpose c Area code GearCond. Validity 125 m Speed CATCH/MO Veight nu 13.56 10.24 13.56 10.24 13.56 10.24 13.56 10.24 13.56 10.24 13.56 10.24 13.56 10.24 13.56 10.24 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20	10 200 2 8 10 PROJ POSITI CATCH/ 0R 4 12 2366 8 12 0R 4 4 12 PROJ POSITI 0de: 3 12 4 4 4 4 4 4 0 12 PROJ POSITI 0de: 3 12 0 0 0 12 12 12 12 12 12 12 12 12 12	2.47 0.69 0.55 0.18 0.18 100.00 ECT STATIC NOIR: *10 HOUR: *10 HOUR: 2.669 20.16 18.98 9.551 2.76 2.37 2.6 2.6 2.6 2.6 2.6 2.6 2.6 2.6	: 3039 : 1042 50.80 SAMP 91 91 : 333 : 1040 .20.76 SAMP 93 92
<pre>11.lex coindetii Brachydeuterus auritus Engraulis encreaicolus Saurida brasiliensis Total DATE: 24/ 8/94 CEAF TY start stop duration THME :06: 34:00 07:04:00 30 (min LOC : 1984.80 3986.30 1.50 FDEPTH: 34 37 BDEPTH: 34 37 Towing dir: 165' Wire out: Sorted: 12 Kg Total catch: SPECIES Ephippion guttifer Pragellus bellottii Peristedion catephractum Priscanthus arenatus Chlorophthalmus atlanticus Balistes capriscus Geryon maritae Dumida squamifera Chelidonichthys lucerna Liccarcinus corrugatus Total DATE: 24/ 8/94 CEAF TY Sorted: 58 Kg Total catch: SPECIES Ephippion guttifer Sorted: 58 Kg Total catch: SPECIES Brachydeuterus auritus Trachurus trecae Chlorophta Signa Company Sorted: 58 Kg Total catch: SPECIES Brachydeuterus auritus Trachurus trecae Chlorocombrus chrysurus Trichiurus lepturus Sphyräen guachancho Selene doraalis Peristedion catephractum Pagellus bellottii Peristedion catephractum Priachurus trecae Chlorocombrus chrysurus Trichiurus lepturus Sphyräen guachancho Selene doraalis Peristedion catephractum Pagellus bellottii Peristedion catephractum Priachurus trecae Chlorocombrus chrysurus Trichiurus lepturus Selene doraalis Peristedion catephractum Pagellus bellottii Peristedion cat</pre>	1.08 0.30 0.24 0.08 0.08 0.08 0.08 0.08 0.08 0.08 0.08 0.08 0.08 0.08 0.08 0.08 0.08 0.02 0.125 m Speet 25.40 CATCH/MO Velidity 125 m Speet 25.40 CATCH/MO Velidity 1.25 m Speet 25.40 CATCH/MO Velidity 1.25 m Speet 1.25 m Speet 1.20 m Speet 1.20 m Speet 1.20 m Speet 1.20 m Speet 1.21 m Speet 1.22 m Speet 1.20 m Speet 1.20 m Speet 1.21 m Speet 1.22 m Speet 1.20 m Speet 1.20 m Speet 1.21 m Speet 1.22 m Sp	10 200 2 8 10 PROJ POSITI code: 3 code: 3 code: 3 code: 1 d: 31 kn CATCH/ 0R 4 4 2336 8 28 28 10 PROJ POSITI code: 3 2 code: 3 2 code: 4 4 4 4 4 4 4 5 code: 3 code: 3 code: 1 d: 31 kn code: 3 code: 3 code: 4 4 4 4 4 4 4 4 4 4 4 4 4 5 6 10 10 10 10 10 10 10 10 10 10	2.47 0.69 0.55 0.18 0.18 100.00 PECT STATIC ON:Lat S Long E *10 HOUR: 0F TOT. C 26.69 20.16 18.96 2.36 0.31 1.00 0.00 PECT STATIC C 74.10 1.57 1.68 0.82 1.68 0.85 0.32 0.82 1.68 0.85 0.85 0.95 0.05 1.00 0.	: 3039 : 1042 50.80 SAMP 91 91 : 333 : 1040 .20.76 SAMP 93 92
<pre>11.lex coindetii Brachydeuterus auritus Engraulis encrasicolus Saurida brasiliensis Total DATE: 24/ 8/94 CEAR TY start stop duration TIME :06:34:00 07:04:00 30 (min LOG : 1984:80 1.50 FDEPTH: 34 37 Towing dir: 165* Wire out: Sorted: 12 Kg Total catch: SPECIES Ephippion guttifer Pagellus bellottii Carcharthus signatus Tilex coindetii Pristularia petimba Peristedion cataphractum Priscantins arenatus Chlorophthalmus atlanticus Balistes capriscus Carturitus arenatus Chlorophthalmus atlanticus Balistes capriscus Carturitus arenatus Chlorophthalmus atlanticus Balistes capriscus Gerryn maritae DATE: 24/ 8/94 CEAR TY start stop duration TiNE :08: 24:00 08: 54:00 30 (min LOG : 1996:40 397: 90 1.50 FDEPTH: 30 31 DOTTH: 30 31 DATE: 58 Kg Total catch: SPECIES Brachydeuterus auritus Trachurus trecae Chloroscubrus chrysurus Trichinus lepturus Sphyraena guachancho Seleme dorsalis Peristedion cataphractum Pagellus bellottii </pre>	1.08 0.30 0.24 0.08 0.08 0.08 43.72 PE: BT No:6) Purpose c Area code Gearcond. Validity 125 = Speet 25.40 CATCH/HO Veight nut 13.56 10.24 9.64 4.84 3.00 2.80 1.20 1.40 2.23 2.20 1.81 1.81 1.81 1.84	10 200 2 8 10 PROJ POSITI code: 3 code: 3 code: 3 code: 1 d: 31 kn CATCH/ 0R 1 4 2336 28 20 236 20 20 236 36 36 20 20 20 20 20 20 20 20 20 20	2.47 0.69 0.55 0.18 0.18 100.00 PECT STATIC ON:Lat S Long E *10 HOUR: OF TOT. C 26.69 20.16 18.96 2.37 1.00 0.00 1.05 1.05 0.05 0	: 3039 : 1042 50.80 91 91 91 91 20.76 SAMP 93 92 94

2120.76

Total

100 00

			ECT STATER	
	YPE: BT No:6	POSITI	ON:Lat S	343
start stop duration			Long 🗉	1026
TIME :11:00:00 11:30:00 30 (mi				
LOG :4016.60 4018.00 1.40	Area code	: 2		
FDEPTH: 75 73	GearCond.co			
BDEPTH: 75 73	Validity co	ode: 1		
Towing dir: 340° Wire out	: 250 m Speed:	28 km	10	
Sorted: 24 Kg Total catch	a: 87.89	CATCH/	HOUR: 17	5.78
SPECIES	CATCH/HOU	R Q	OF TOT. C	SAM
	weight num	bers		
Selene dorsalis	52.00	252	29.58	90
Dentex congoensis	49.80	868	28.33	98
Pagellus bellottii	43.00	2276	24.46	91
Boops boops	17.00	854	9.67	
Mustelus mustelus	5.62	2	3.20	
Zeus faber	2.80	8	1.59	
Chelidonichthys gabonensis	1.48	64	0.84	
Illex coindetii	1.20	202	0.68	
Spicara alta	0.84	28	0.46	
Trachurus trecae	0.84	168	0.48	
Sepia bertheloti	0.78	14	0.44	
Citharus linguatula	0.28	28	0.16	
Saurida brasiliensis	0.14	22	0.08	
Total	175.78		99.99	

		PR	OJECT STATIO	at: 53
DATE: 24 / 8/94 GEA	R TYPE: BT No	:1 POSI	TION:Lat S	350
start stop duration			Long g	
		e code: :		1013
LOG :4035.80 4037.50 1.70	Area c			
			4	
FDEPTH: 239 236		nd.code:	-	
BDEPTH: 239 236		ty code: 🗄		
Towing dir: 310° Wire o	yut: 740 m Sj	peed: 30)	(n*10	
Sorted: 26 Kg Total cat	tch: 223.6	0 CATCE	H/HOUR: 4	47.20
SPECIES	CATCH	/HOUR 1	OF TOT. C	SAM
	weight	numbers		
Chlorophthalmus atlanticus	345.60	9248	77.28	
Todaropsis sp.	24.96	256	5.58	
Synagrops microlepis	23.68	1200	5.30	
Dentex angolensis	20.50	52	4.58	9
Trichiurus lepturus	11.84	64	2.65	
Iller coindetii				
	6.56	304	1.47	
Zenopsis conchifer	4.16	16	0.93	
Bais stranlani				

	weight	numbers		
Chlorophthalmus atlanticus	345.60	9248	77.28	
Todaropsis sp.	24.96	256	5.58	
Synagrops microlepis	23.68	1200	5.30	
Dentex angolensis	20.50	52	4.58	99
Trichiurus lepturus	11.84	64	2.65	
Illex coindetii	6.56	304	1.47	
Zenopsis conchifer	4.16	16	0.93	
Raja straeleni	1.92	16	0.43	
Parapenaeus longirostris	1.60	176	0.36	
OPHICHTHIDAE	1.60	16	0.36	
Chelidonichthys gabonensis	1.60	16	0.36	
Epigonus pandionis	1.12	224	0.25	
Antigonia capros	0.64	16	0.14	
PORTUNIDAE	0.64	16	0.14	
Pterothrissus belloci	0.46	32	0.10	
Boops boops	0.16	16	0.04	
Sepia sp.	0.16	32	0.04	
Total	447.20		100.01	

		PROJECT STATIO	N: 54
DATE: 24/ 8/94 GEAR TY	PE: BT No:1 PC	SITION:Lat S	
start stop duration	.u. DI 10.1 (0	Long E	
TIME :15:47:00 16:17:00 30 (min) Purpose code:		1007
LOG :4053.00 4054.40 1.40	Area code	: 2	
FDEPTH: 343 323	GearCond.code		
BDEPTH: 343 323	Validity code		
	1080 m Speed: 2		
Towing dir: 550° wire out:	LUGU IN Speed: 2	0 KU-10	
Sorted: 38 Kg Total catch:	164.20 CA	TCH/HOUR: 3	28.40
SPECIES	CATCH/HOUR	NOF TOT. C	SAMP
SPELIES			SARP
14 - 1	weight number		100
Herluccius polli	150.44 123		100
Chlorophthalmus atlanticus	93.00 177		
Trichiurus lepturus	20.40 14		
Ectreposebastes imus	13.00 37		
Zenopsis conchifer		.6 3.57	
Synagrops microlepis	11.46 32		
Todaropsis eblanae		2 1.39	
Parapenaeus longirostris	4.08 40	8 1.24	
Etmopterus polli	2.54	6 0.77	
Sepia sp.	2.20 10	2 0.67	
Epigonus pandionis	2.12 9	2 0.65	
Brosmiculus imberbis *	1.78	0 0.54	
Trigla lyra	1.70	6 0.52	
Plesionika martia	1.36 22	0 0.41	
Bathygadus melanobranchus	1.36	8 0.41	
Illex coindetii		4 0.38	
Chascanopsetta lugubris	1.26	8 0.38	
OPHICHTHIDAE	0.64	8 0.26	
Cyttopsis roseus		6 0.23	
Raja straeleni	0.50	8 0.15	
Laemonema laurevsi	0.50	8 0.15	
GONOSTOMATIDAE	0.30	8 0.13	
Lestidiops sp.		6 0.07	
Coelorinchus coelorhincus	0.16	8 0.05	
MYCTOPHIDAE	0.16 13		
Bassanago albescens *	0.16	8 0.05	
Peristedion cataphractum	0.08	8 0.02	
Eumunida squamifera	0.08	8 0.02	
Dibranchus atlanticus		4 0.02	
Hymenocephalus sp.	0.08	.6 0.02	
Trachurus trecae	0.08	6 0.02	
Total	328.40	99,96	
LUCAL	200.00	77.90	

	PE: BT No:1		JECT STATION ION:Lat S Long E	4: 55 343 1007
			Long E	1007
LOG :4059.00 4060.50 1.50 FDEPTH: 152 149	Area code GearCond			
BDEPTH: 152 149				
	Validity 520 m Spee			
towing dif: 300. Wile but:	520 m Spee	ia: 30 ki	1-10	
Sorted: 56 Kg Total catch:	392.28	CATCH	/HOUR: 76	4.56
SPECIES	CATCH/H	un t	OF TOT. C	SAMP
Umbrina canariensis	243.60	702	31.05	101
Synagrops microlepis	214.90	10556	27.39	
Spicara alta	131.60	574	16.77	102
Dentex congoensis	108.50	1442	13.83	103
Antigonia Capros	19.88	840	2.53	
Zeus faber	16.38	70	2.09	
Trichiurus lepturus	11.62	42	1.48	
Aulopus cadenati	9.24	154	1.18	
Dentex angolensis	8,12	28	1.03	
Zenopsis conchifer	7.56	70	0.96	
Pseudotolithus senegalensis	4.62	28	0.59	
Pterothrissus belloci	2.80	14	0.36	
Illex coindetii	2.52	64	0.32	
Chelidonichthys gabonensis	1.68	28	0.21	
Arnoglossus sp.	1.12	42	0.14	
Lepidotrigla carolae	0.14	28	0.02	
Chascanopsetta lugubris	0.14	14	0.02	
Peristedion cataphractum	0.14	14	0.02	
Total	784.56		99.99	

		PROJEC	T STATIO	i: 56
DATE: 24 / 8/94 GEAR TY	PE: PT No:1	POSITION	Lat S	337
start stop duration			Long E	1031
TIME :21:28:00 21:48:00 20 (min) Purpose coo	le: 1	-	
LOG :4095.20 4096.50 1.30	Area code			
FDEPTH: 15 15	GearCond.co			
BDEPTH: 47 46	Validity co			
Towing dir: 190° Wire out:			n	
iowing dir. 190 wile out.	TOD III Opecar	35 Ka 1	•	
Sorted: 29 Kg Total catch:	239.44	CATCH/HO	UR: 7	18.32
SPECIES	CATCH/HOUT		тот. с	SAMP
	weight numb			
Brachydeuterus auritus		851	78.35	106
Trachurus trecae	88.60	816	12.36	105
Sardinella maderensis	35.52	264	4.94	104
Trichiurus lepturus	15.36	24	2.14	
Sphyraena guachancho	8.16	24	1.14	
Scomber japonicus	7.68	48	1.07	

Total

718.32

100.00

		PROJECT	STATION	: 57
DATE: 24/ 8/94 GEAR T	YPE: PT No:2	POSITION	Lat S	326
start stop duration			Long E	1032
	n) Purpose co	de: 1	-	
LOG :4110.00 4111.00 1.20	Area code	: 2		
FDEPTH: 0 0	GearCond.c	ode:		
BDEPTH: 31 32	Validity c	ode: 1		
Towing dir: 190* Wire out	: 105 m Speed	: 39 kn*10		
Sorted: 64 Kg Total catch	4198.30	CATCH/HOU	JR: 1259	4.90
4797170				
SPECIES	CATCH/HOU	R IOF	TOT. C	SAMP
SPECIES	CATCH/HOU weight num	R 10F bers	TOT. C	SAMP
Chloroscosbrus chrysurus	weight num	bers	тот. с 60.98	SAMP
	weight num 7680.90 29	bers		SAMP
Chloroscosbrus chrysurus	weight num 7680.90 29 3102.00 7	bers 9649	60.98	
Chloroscombrus chrysurus Sardinella maderensis	weight num 7680.90 29 3102.00 7 748.20 2	bers 9649 7607	60.98 24.63	
Chloroscombrus chrysurus Sardinella maderensis Brachydeuterus auritus	weight num 7680,90 29 3102.00 7 748.20 2 493.20 1	bers 9649 7607 4939	60.98 24.63 5.94	107
Chloroscombrus chrysurus Sardinella maderensis Brachydeuterus auritus Sardinella aurita	weight num 7680.90 29 3102.00 7 748.20 2 493.20 1 329.10	bers 9649 7607 4939 0419 6384 3393	60.98 24.63 5.94 3.92 2.61 1.33	107 108 109 110
Chloroscombrus chrysurus Sardinella maderensis Brachydeuterus auritus Sardinella aurita Trachurus trecae	weight num 7680.90 29 3102.00 7 748.20 2 493.20 1 329.10	bers 9649 7607 4939 0419 6384	60.98 24.63 5.94 3.92 2.61	107 108 109

		PR	JECT ST.	ATION: 58
DATE: 25/ 8/94 GEAR T	YPE: PT No:	2 POSI:	FION:Lat	S 323
start stop duration			Lon	9 E 1032
TIME :01:32:00 02:02:00 30 (mi	n) Purpose	code:	1	
LOG :4121.20 4123.10 1.90	Area co	de ::	2	
FDEPTH: 0 0	GearCon	d.code:		
BDEPTH: 20 21	Validit	y code:	1	
Towing dir: 149" Wire out	: 120 m Sp	eed: 38)	cn*10	
Sorted: 59 Kg Total catch	1: 809,40	CATC	H/HOUR :	1618.80
SPECIES	CATCH/	HOUR	OF TOT	. C SAMP
	weight	numbers		
Chloroscombrus chrysurus	803,20	24112	49.	
Brachydeuterus auritus	494.20	18090	30.	
Trachurus trecae	133.60	2160	8.	
Sphyraena guachancho	47.20	486	2	
Sepia sp.	43.20	54	2.	
Scomberomorus tritor	21.80	28	1.	
Galeoides decadactylus	16.00	486	0.	
Sardinella maderensis	15.40	298	0	
Pomadasys rogeri	14 40	28	0.	
Selene dorsalis	14 40	324	0.	
Sardinella aurita	6.00	82		37 118
Ilisha africana	4.00	108		25 119
Eucinostomus melanopterus	3.00	54	0	
Trichiurus lepturus	2.20	28	0.	
Parapenaeus longirostris	0 20	28	0	01
Total	1618.80		100	02

DATE:25/8/94 GEAR TY start stop duration TINE :06:27:00 06:57:00 30 (min LOG :4151.80 4153.30 1.50 F7DETH: 63 63 BDEPTN: 63 63 Towing dir: 330° Wire out: Sorted: 30 Kg Total catch:	Area code GearCond. Validity	POSITIO ode: 3 : 2 code: code: 1	Long E	326
borcea. so ky focur dates.	55.70	CATCH/I	OUR. I.	
SPECIES	CATCH/HO	JR 10 abers	F TOT. C	SAMP
Pagellus bellottii	72.20	2208	60.41	
Sepia officinalis hierredda	11.32	44	9.47	
Trachurus trecae	9.40	108	7.86	
Boops boops	5.20	100	4.35	
Fistularia petimba	4.68	4	3.92	
Saurida brasiliensis	4.64	104	3.88	
Trichiurus lepturus	3.60	4	3.01	
Priacanthus arenatus	3.00	24	2.51	
Scomber japonicus	1.40	174	1.17	121
Torpedo torpedo	1.20	4	1.00	
Illex coindetii	1.00	68	0.84	
Sardinella aurita	0.68	4	0.57	
Trachuruz trecae, juvenile	0.52	140	0.44	120
Brachydeuterus auritus Chelidonichthys gabonensis	0.36 0.32	4 16	0.30	
Cherroomenensis	0.32	10	0.2/	
Total	119.52		100.00	
		PROJE	CT STATIO	
	PE: BT No:6	POSITIO		337
start stop duration			Long P	1007

start stop duration		Long E	1007
TIME :08:32:00 09:02:00 30 (min			
LOG :4164.50 4165.90 1.40	Area code :	2	
FDEPTH: 98 98	GearCond.code:		
BDEPTH: 98 98	Validity code:	1	
Towing dir: 330* Wire out:	330 m Speed: 29	kn*10	
-	-		
Sorted: 30 Kg Total catch:	90.10 CAT	CH/HOUR: 18	0.20
SPECIES	CATCH/HOUR	I OF TOT. C	SAMP
	weight numbers		
Dentex congoensis	64.20 1596	35.63	123
Selene dorsalis	30.06 96	16.68	124
Pagellus bellottii	22.80 276	12.65	122
Trichiurus lepturus	18.00 36	9.99	
Mustelus mustelus	10.00 2	5.55	
Sparus pagrus africanus	9.28 6	5.15	
Sepia officinalis hierredda	8.40 12	4.66	
Raja miraletus	3.54 6	1.96	
Illex coindetii	3.24 360	1.80	
Chelidonichthys gabonensis	2.94 36	1.63	
Boops boops	2.40 168	1.33	
Torpedo torpedo	1.26 6	0.70	
Citharus linguatula	0.78 18	0.43	
Zeus faber	0.72 6	0.40	
Trachurus trecae	0.72 60	0.40	
Saurida brasiliensis	0.66 144	0.37	
Lepidotrigla carolae	0.60 48	0.33	
Dentex angolensis	0.30 12	0.17	
Scomber japonicus	0.30 24	0.17	
Total	180.20	100.00	

			PROJ	ECT STATIC	N: 61
DATE: 25/ 8/94	GEAR TY	PE: BT No:6	POSITI	ON:Lat S	334
start stop	duration			Long E	958
TIME :11:17:00 11:47:00	30 (min) Purpose	code: 3	•	
LOG :4182.00 4183.50	1.50	Area cod	et : 2		
FDEPTH: 176 173		GearCond	. code :		
BDEPTH: 176 173		Validity	code: 1		
Towing dir: 320*	Wire out:	570 m Spe	ed: 32 kn	*10	
Sorted: 38 Kg To	tal catch:	135.37	CATCH/	HOUR: 2	70.74
SPECIES		CATCH/H		OF TOT. C	SAMP
			umbers		
Spicara alta		93.44	1128	34.51	125
Zenopsis conchifer		56.70	274	20.94	
Dentex congoensis		39.56	498	14.61	127
Dentex angolensis		20.66	78	7.63	126
Antigonia capros		17.44	532	6.44	
Illex coindetii		15.34	560	5.67	
Zeus faber		10.50	22	3.88	
Aulopus cadenati		6.02	56	2.22	
Pterothrissus belloci		3.08	22	1.14	
Raja miraletus		2.32	8	0.86	
Ophisurus serpens		2.04	8	0.75	
Chelidonichthys gabonensis		1.68	22	0.62	

Kaja pristecus	4.34		U.00	
Ophisurus serpens	2.04	8	0.75	
Chelidonichthys gabonensis	1.68	22	0.62	
Todaropsis eblanae	1.62	28	0.60	
Lepidotrigla carolae	0.14	8	0.05	
Monolene microstoma	0.08	8	0.03	
Citharus linguatula	0.08	8	0.03	
Microchirus boscanion	0.08	8	0.03	
Peristedion cataphractum	0.08	8	0.03	
Saurida brasiliensis	0.08	14	0.03	
Schedophilus pemarco	0.02	8	0.01	
Total	270,96		100.08	
IUCUL	270.90		100.00	

DATE: 2	s/	8/94			GE	AR TYP	E: BT	No:6	POS	ITION	:Lat	s	3
		start	t s	top	durat	ion					Long	E	9
TIME	:13	:08:0	00 13	: 38 : 00	30	(min)	Purp	ose co	de :	3			
LOG	:41	93.00	4 1	94.50	1 50		Area	code	1	2			
FDEPTH	:	115	5	118			Gear	Cond.c	:ode :				
SDEPTH		115		118				dity c					
	То	wing	dir:	138*	Wire	out: 4	30 m	Speed	: 30	kn*10	2		

SPECIES	CATCH	/HOUR	OF TOT. C	SAMP
	weight	numbers		
Umbripa canariensis	674.40	1488	75.20	130
Sparus pagrus africanus	135.72	192	15.13	128
Anthias anthias	27 36	3132	3.05	129
Boops boops	19.20	936	2.14	
Dentex congoensis	14.76	228	1.65	
Zeus faber	11.76	12	1 31	
Raja straeleni	8.40	12	0 94	
Zenopsis conchifer	1 80	12	0 20	
Trachurus trecae	1.44	456	0 16	
Ariomma bondi	1 32	24	0 15	
Synchiropus phaeton	0 36	12	0 04	
Saurida brasiliensis	0.12	12	0 01	
Scomber japonicus	0.12	12	0 01	
Total	896 76		94 99	

Total

DATE: 25/ 8/94 GEAR TYP	E: BT No:6	POSIT	ON:Lat	5 319
start stop duration			Long	E 1006
TIME :15:58:00 16:28:00 30 (min)	Purpose o	ode: 3	-	
LOG :4212.00 4213.40 1.40	Area code			
FDEPTH: 60 56	GearCond.	code:		
BDEPTH: 60 56	Validity	code: 1		
Towing dir: 345' Wire out:	240 m Spee	d: 28 kr	*10	
Sorted: 18 Kg Total catch:	18.35	CATCH,	HOUR	36.70
SPECIES	CATCH/HO		OF TOT. C	SAHP
		mbers		- / • •
Sepia ap.	18.50	36	50.41	
Pagellus bellottii	2.66	42	7.25	131
Raja miraletus	2.40	10	6.54	
Alloteuthis africana	1.80		4.90	
Chelidonichthys gabonensis	1.62	38	4.41	
Svacium micrurum	1.54	16	4.20	
Umbrina caneriensis	1.50	2	4.09	
Fistularia petimba	1.46	6	3.98	
Scomper japonicus	1.42	212	3.87	
Denter barnardi	0.74	2	2.02	
Lepidotrig!a carolae	0.54	22	1.47	
Chilomycterus spinosus mauret.	0.40	2	1.09	
Illex coindetii	0.40	16	1.09	
Denter gibbosus	0.26	2	0.71	
Citherus linguatule	0.26	8	0.71	
Todaropsis eblanac	0.24	10	0.65	
Trachurus trecae	0.20	20	0.54	
Monolene mertensi	0.18	22	0.49	
Synchiropus phacton	0.16	6	0.44	
Chelidonichthys lucerna	0.14	2	0.38	
Saurida brasiliensis	0.10	18	0.27	
Anthias anthias	0.10	6	0.27	
Boops boops	0.06	2	0.16	
Antennarius "biocellatus"	0.02	2	0.05	
Total	36.70		99.99	

	PE: BT No:6		316
start stop duration			2 1008
TIME :17:45:00 18:15:00 30 (min			
LOG :4223.40 4224.90 1.50	Area code	: 2	
FDEPTK: 48 43	GearCond.cod		
BDEPTH: 48 43	Validity coo		
Towing dir: 350° Wire out:	200 a Speed:	30 ko*10	
Sorted: 42 Kg Total catch:	42.59 0	ATCH/HOUR:	85.18
SPECIES	CATCH/HOUR	S OF TOT. C	SAMP
	weight number		
Pagellus bellottii		158 47.66	133
Sepia sp.	18.40	30 21.60	
Fistularia petimba	6.90	16 8.10	
Brachydeuterus auritus	4.42	32 5.19	132
Raja miraletus	3.00	46 3.52	
Dactylopterus volitans	2.96	10 3.47	
Chelidonichthys lucerna	1.98	22 2.32	
Decapterus rhonchus	1.08	2 1.27	
Syacium micrurum	0.98	16 1.15	
Zeus faber	0.92	2 1.08	
Torpedo torpedo	0.88	2 1.03	
Dicologoglossa hexophthalma	0.58	8 0.68	
Trachinocephalus myops	0.44	4 0.52	
Chelidonichthys gabonensis	0.38	6 0.45	
Priscanthus arenatus	0.36	2 0.42	
Uranoscopus polli	0.28	4 0.33	
Trachinus armatus	0.26	4 0.31 4 0.31	
Pseudupeneus prayensis	0.26	4 0.31 6 0.19	
Grammoplites gruveli		6 0.19 30 0.14	
Alloteuthis africana	0.12 0.08	16 0.09	
Scomber japonicus	0.00		
Citherus linguatule	0.04	4 0.05 2 0.05	
Lepidotrigla carolae	0.02	2 0.02	
Synchiropus phaeton	0.02	2 0.02 2 0.02	
Todaropsis eblanae Illez coindetii	0.02	2 0.02	
IIIER CUINNELLI	0.02	2 0.02	
Total	85.18	99.99	

		0.9	OJECT STATIC	DN: 65
DATE: 26/ 8/94 GEAR 1	TYPE: BT NO:		TION:Lat S	
start stop duration	11CE: DI 100		Long I	
	in) Purpose	code:	3	5 339
LOG :4300.00 4301.50 1.50	Area co		2	
FDEPTH: 255 261		nd.code:	-	
BOEPTH: 255 261		LY CODE:	1	
Towing dir: 315' Wire out				
towing dir: 312. wire out	.: 020 m 5p	eeu: 31	Kii-10	
Sorted: 23 Kg Total catch	h: 329.84	CATC	:н/но л: (59.58
SPECIES	CATCH,	HOUR	S OF TOT. C	SAMP
	weight	numbers		
Chlorophthalmus atlanticus	253.40	7168	38.41	
Synagrops microlepis	151.20	11340	22.92	
Dentex angolensis	51.80	150	7.85	134
Merluccius polli	43.40	448	6.58	
Zenopsis conchifer	43.40	56	6.58	
Todaropsis chlanac	23.80	476	3.61	
Trichiurus lepturus	19.60	84	2.97	
Peristedion cataphractum	16.80	308	2.55	
Ophisurus serpens	12.60	28	1.91	
Illex coindetii	11.20	672	1.70	
Eumunids squamifera	8.40	840	1.27	
Pterothrissus belloci	8.40	28	1 27	
Plesionika martia	6.16	1344	0.93	
Bembrops heterurus	3 08	56	0.47	
Epigonus pandionis	2,52	140	0.38	
Sepia sp.	1.96	168	0.30	
Coelorinchus coelorhincus	1.40	252	0.21	
Zenion hololepis	0.28	28	0.04	
Parapenseus longirostris	0.28	56	0.04	
Total	659.68		39.99	

	PROJECT STATEON: 6
DATE: 26/ 8/94 GEAR TY	PE: BT No:1 POSITION:Lat S 31
start stop duration	Long E 93
TIME :08:22:00 08:52:00 30 (min	
LOG :4306,30 4307,70 1.40	Area code : 2
FDEPTH: 136 135	GearCond. code:
BDEPTH: 136 135	Validity code: 1
Towing dir: 330° Wire out:	430 B Speca: 30 KB=10
Sorted: 71 Kg Total catch:	321.67 CATCH/HOUR: 643.34
Sorted: 71 Kg Total catch:	321.67 CATCH/HOUR: 643.34
SPECIES	CATCH/HOUR & OF TOT. C SAM
3FB.163	
	weight numbers
Dentex congoensis	216.44 368 33.64 13
Zenopsis conchifer	136.36 126 21.19 13
Boops boops	131.84 2978 20.49 13
Spic are alt a	72.90 872 11.33 13
Dentex angolénsis	52.64 342 8,16 13
Zeus faber	13.76 36 2.14
Antigonia capros	5.50 242 D.87
Todaropsis chlanac	3.78 108 0.59
Aulopus cadenati	3.68 54 0.57
Iller coindetii	2.76 152 0.43
Arionna bondi	1.62 26 0.25
	1.26 54 0.20
Lepidotrigla carolae	
Peristedion cataphractum	
Arnoglossus capensis	0.18 8 0.03
	643.34 99.99
Total	643.34 99.99
DATE:26/8/94 CEAR TY start stop duration TIME:10:46:00 11:16:00 30 (min LOC :4323.10 4324.60 1.50 FPEPTH: 73 69	PROJECT STATION: 6 PE: DT No:6 POSITION:Lat 5 30 Long E 94:) Purpose code: 3 Area code : 2 GearCond.code:
BDEPTH: 73 69	Validity code: 1
Towing dir: 140* Wire out:	
·····	
Sorted: 66 Rg Total catch:	928.76 CATCH/HOUR: 1857.52
SPECIES	CATCH/HOUR & OF TOT. C SAM
	weight numbers
Brachydeuterus auritus	953.40 11430 51.33 14
Pagellus hellottii	714 84 19320 18 48 14

	weight	numbers		
Brachydeuterus auritus	953.40	11430	51.33	141
Pagellus bellottii	714.84	19320	38.48	142
Trachurus trecae	71.68	1372	3.86	140
Sepis bertheloti	58.24	1792	3.14	
Trichiurus lepturus	19.60	28	1.06	
Pseudupencus prayensis	12.32	196	0.66	
Sardipella aurita	5.32	56	0.29	
Boops boops	5.04	84	0.27	
Alloteuthis africana	4.20	868	0,23	
Scomber japonicus	4.20	532	0.23	
Chelidonichthys gabonensis	3.08	56	0.17	
Lepidotrigla carolae	2.80	140	0.15	
Saurida brasiliensis	2.80	224	0.15	
Total	1857.52		100.02	

		PROJECT STAT	10N: 68
DATE: 26/ 8/94	GEAR TYPE: BT No:6	POSITION:Lat	S 301
start stop	p duration	Long	E 1005
TIME :14:04:00 14:1	5:00 11 (min) Purpose C	ode: 3	
LOG :4348.80 4349	.30 0.50 Area code	: 2	
FDEPTH: 27	27 GearCond.	code :	
BDEPTH: 27	27 Validity	code: 1	
Towing dir: 1	50° Wire out: 120 m Speed	d: 29 kn*10	
Sort ed: 64 Kg	Total catch: 164.04	CATCH/HOUR:	894.76

SPECIES			S OF TOT. C	SAMP
	weight	numbers		
Occapterus rhonchus	416.62	1244	46.56	143
Pagellus bellottii	366.16	2689	40.92	144
Sparus caeruleostictus	35.62	71	3.98	145
Dentex canariensis	25.91	38	2.90	146
Alloteuthis africana	19.09		2,13	
Fistularia petimba	9.00	27	1.01	
Raja miraletus	8.45	16	0.94	
Sphyraena quachancho	4.09	16	0.46	
Pseudupeneus prayensis	3.44	16	0.38	
Balistes capriscus	3.27	16	0.37	
Chelidonichthys lucerna	1.64	16	0,18	
Decepterus punctatus	1.47	15	0.16	
Total	894.76		99.99	

				ECT STATIO	
		GEAR TYPE: BT NO: 6	POSITI	ON:Lat S	
		ation		Long B	95
	TIME :16:43:00 17:13:00 3				
	LOG :4370.20 4371.70 1.				
59.58	FDEPTH: 26 24	GearCond			
	BDEPTH: 26 24		code: 1		
	Towing dir: 340° Wi	re out: 120 m Spe	ed: 30 kn	*10	
SAMP					
	Sorted: 76 Kg Total	catch: 183.20	CATCH/	HOUR: 3	66,40
134	SPECIES	CATCH/I	IOUR 1	OF TOT. C	SAM
			umbers		
	Pagellus bellottii	245 60	3184	67.09	14
	Chloroscombrus chrysurus	69.02	698	16.38	14
	Decapterus rhonchus	24.14	92	6.59	14
	Alectis alexandrinus	15,40	44	4,20	
	Fistularia petimba	10.50	72	2.89	
	Alloteuthis africana	3.76	1182	1.03	
	Pseudupeneus prayensis	1.70	12	0.46	
	Lagocephalus laevidatus	1.32	-4	0.36	
	Chelidonichthys lucerna	1.14	8	0.31	
	Sphyroena aphyraena	0.92	4	0.25	
	Trachurus trecae, juvenile	0.68	238	0.19	
	Sardinella aurita	0.64	4	0,17	
	Raja miraletus	0.22	4	0,06	
	Illex coindetii	0.04	4	0.01	
	Scomber japonicus	0.04	8	0.01	
	Total	356 40		100 00	

Damp, 27 / 8 /04		PROJ	ECT STATIO	N: 70	
ETATE STOD duration			ON:Lat S Long E	300 977	
TINE :05:37:00 07:07:00 30 (min) LOG :4430.80 4432.20 1.40 FDEPTH: 328 325 BDEPTH: 328 325	GearCond	.code:			
Towing dir: 328" Wire out:1		d: 29 kn			
sorted: 29 Kg Total catch:	126.32	CATCH/	HOUR: 2	52.64	
SPECIES	CATCH/H Weight D		OF TOT. C	SAMP	SPL
	137.20	2056	54.31 17.10		Ale Fis
Ijimaia loppei Synagrops microlepis	18.90 15.36	2 280	7.48		Tot
Merluccius polli Illex coindetii Gadella imberbis	43,20 18,90 15,36 13,04 7,68 4,64	88 192 128	5.16 3.04 1.84		
Zenioù hololepis Trigla lyra	4 64 3 76 3 68 1 60		1.49		
Ectreposebastes imus Coelerinchus coelerhincus Parapenaeus longirostris Senis elecanas	1.20	16	0.63 0.47		
Septe creyens	0,96 0,64	72 24	0.38		
Peristedion cataphractum GONOSTONATIDAE	0,40 0,40	16 80	0.16 0.16		
Total	252.66		100.01		
					SPE
DATE: 27/ 8/94 GEAR TYP start stop duration	E: BT NO:6	PROJ POSITI	ECT STATION ON:Lat S Long E	N: 71 259	Pag
	Purpose (Area code	code: 3	Long E	927	Sep Pri Fis
LOG :4440.10 4441.60 1.50 FDEPTH: 178 170 BDEPTH: 176 170	Gearcond Validity	code: code: 1			Tra
towing dir: 315, wire out:1					Tra Raj
Sorted: 58 Kg Total catch:	123.11	CATCH/	HOUR: 2	16.22	Dac Den Pse
SPECIES	weight n	unders	OF TOT. C	SAMP	Tra Tor
Dentez angolensis Illex coindetii	75.00	268	30.46 29.57	151 152	A11 Ura
Spicera alta Spicephelus haifensis Trichiurus lepturus	45.60 19.66 8.88 7.76 7.24	2	18.52 7 98 3.61		Сње Цер
Pentez Congoensis Pterothrissus belloci	7.76	84 56	3.15	150	TOL
Umbrina canariensis	4.32	16	1.75		
Chelidonichthys gabonensis Aulopus cadenāti Anthias anthiss	0.92	12 4 8	0.37		
Antigonia capros Todaropsis eblanc	0.72 0.72 0.52	16 4	0.29 0.29 0.21		
Peristedion cataphractum	0.52		0.13		
Total	246.22		99.98		
DATE:27/8/94 GEAR TYP BLART Stop duration TIME :10:30:00 11:00:00 30 (min) LOG :4455.30 4456.80 1.50 FDEFTH: 90 87 BDEFTH: 90 87 Towing dir: 330" Wire out.	E: BT No:6 Puipose (Area code GearCond Validity 300 m Spee	POSITIO	ECT STATION ON:Lat S Long E *10	254	SPE Pag Sau Squ Che Lep Sep
DATE:27/8/94 GEAR TYP start stop duration TIME :10:30:00 11:00:00 30 (min) LOG :4455.30 4456.80 1.50 PDEPTH: 90 87 BDEPTH: 90 87 Towing dir: 330" Wire out. Sorted: 25 Kg Total catch:	E: BT NO:6 Purpose (Area code Gearcond Validity 300 m Spec 208.72	POSITIO	ON:Lat S Long E	254	Pag Sau Squ Che Sep Raj Pri
Towing dir: 330" Wire out: Sorted: 25 Kg Total catch: SPECIES	300 m Spec 208.72 CATCH/M	POSITI code: 3 t : 2 code: 1 code: 1 Nd: 30 Km CATCH/	ON:Lat S Long E	254 932	Pag Sau Che Lep Raj Pri Fis Oct
Towing dir: 330° Wire out: Sorted: 25 Kg Total catch: SPECIES Dasyatis centroura Brachydeuterus auritus	300 m Spec 208.72 CATCH/W weight nu 160.00 130.00	POSITI Code: 3 : 2 code: 2 code: 1 code: 1 cd: 30 km cATCH/ DUR 1 2 1340	0N:Lat s Long E *10 HOUR: 4: 39 TOT. C 38.33 31.14	254 932 17.44 SAMP 155	Pag Sau Squ Che Lep Sep Raj Fis Oct Tri Ari Che
Towing dir: 330° Wire out: Sorted: 25 Kg Total catch: SPECIES Dasyatis centroura Brachydeuterus auritus Dentël congensais Pagellus bellottii	300 m Spee 208.72 CATCH/HK weight nu 160.00 130.00 33.30 24.10	POSITI Code: 3 : 2 code: 2 code: 1 d: 30 km CATCH/ DUR 1 2 1340 1470 630	<pre>>DN:Lat S Long E *10 HOUR: 4: 35 TOT. C 38.33 31.14 7.98 5.77</pre>	254 932 L7.44 SAMP	Pag Sau Che Lep Rep Pri Pri Cit Che Cit
Towing dir: 330° Wire out: Sorted: 25 Kg Total catch: SPECIES Desystis centroura Brachydeuterus auritus Dentëz congoensis Pagellus bellottii Saurida brasiliensis Lopidotrigia carolac Erythrocles monodi	300 m Spec 208.72 CATCH/HK weight ni 160.00 130.00 33.30 24.10 22.30 16.50	POSITI Code: 3 code: 2 code: 1 d: 30 Km CATCH/ DUR 1 imbers 2 1340 1470	N:Lat 5 Long E +10 HOUR: 4: 39 TOT. C 38.33 31.14 7.98	254 932 17.44 SAMP 155 154	Pag Sau Squ Squ Sep Sep Pri Fis Oct Tri Ari Spi Spi
Towing dir: 330° Wire out: Sorted: 25 Kg Total catch: SPECIES Desystis centroura Brachydeuterus auritus Dentši congeenais Pagellus bellottii Saurida brasiliensis Lepidotrigia carolac Exythrocles monodi Priacanthas arenatus Chelidonichthys gabonensis	300 m Spet 208 72 CATCH/HK weight ni 160.00 130.00 24.10 22.00 16.50 5.50 5.50 5.30 3.90	POSITI code: 3 : 2 code: 1 code: 1	<pre>DN:Lat s Long E +10 HOUR: 4: 38.33 31.14 7 98 5.27 3.95 2.32 1.27 0.93</pre>	254 932 17.44 SAMP 155 154	Pag Sau Che Sep Sep Pi Pi Fi Si Che Spi Che Spi Che Spi Che Spi Che Spi Soo Pae Au Au Sph
Towing dir: 330° Wire out: Sorted: 25 Kg Total catch: SPECIES Dasyatis centroura Brachydeuterus auritus Dentes congoenais Pagellus bellottii Saurida brasiliensis Lopidotrigis carolac Exythrooles monodi Priacanthaus arenatus Chelidonichthys gabomensis Chelidonichthys gabomensis Ariomas bondi	300 m Spec 208 72 CATCH/HK Weight 11 160.00 130.00 33.30 24.10 22.00 16.50 5.50 5.50 5.30 3.90	POSITI roode: 3 : 2 code: 1 code: 1 CATCH/ DUR CATCH/ DUR 14 2 1340 1470 1340 1470 1340 1470 1340 1470 1340 80 80 80	N:Lat s Long E +10 HOUR: 4: 38 33 31.14 7 98 5.27 5.27 1.95 1.32 1.27 0.93 0 93	254 932 17.44 SAMP 155 154	Pag Sau Gue Lep Sep Raj Pri Fis Oct Tri Ari Che Spi Cit Boo Pac Pac
Towing dir: 330° Wire out: Sorted: 25 Kg Total catch: SPECIES Desystis centroura Brachydeuterus auritus Dentes components Dagelius bellottii Saurida brasiliensis Lepidotrigia carolac Exythrooles monodi Priacantiaus arenatus Chelidonichthys gabonensis Ariomaa bondi Buops boops Sphoeroides pachgaster Cithertus linguatula	300 m Spec 208 72 CATCH/MK weight ni 160.00 130.00 133.30 24.10 22.30 16.50 5.50 5.30 3.90 3.90 3.90 3.30 2.30 2.30 2.30	POSITI pode: 3 : 2 : code: 1 : code: 1	<pre>>DN:Lat s Long E +10 HOUR: 4: OF TOT. C 38.33 31.14 7.98 5.27 3.95 1.32 1.32 1.32 1.32 1.32 0.93 0.93 0.91 0.67 0.53</pre>	254 932 17.44 SAMP 155 154	Pag Sau Squa Che Sep Sep Pri Fis Oct Oct Tri Ari Che Sch Che Sch Che Sch Che Sch Che Sch Che Sch Che Sch Che Sch Che Sep Sep Sep Sep Sep Sep Sep Sep Sep Se
Towing dir: 330° Wire out: Sorted: 25 Kg Total catch: SPECIES Desystis centroura Brachydeuterus auritus Dentes components Dagelius bellottii Saurida brasiliensis Lepidotrigia carolac Erythrooles monodi Priacantiaus arentus Chelidonichthys gabonensis Ariomaa bondi Buops boops sphoeroides pachgaster Citherus linguatula Sepia sp. Todaropsis eblanae	300 m Spec 208.72 CATCH/HK 160.00 33.30 24.10 22.00 5.50 5.50 5.50 5.50 5.50 3.90 3.90 3.90 3.90 3.90 3.90 3.90 3.9	POSITI pode: 3 : 2 : code: 1 : solar in the solar in	<pre>>N:Lat s Long E +10 HOUR: 4: OF TOT. C 38.33 31.14 7 98 5.77 5.27 3.95 1.32 1.32 1.32 1.32 1.32 0.93 0.93 0.93 0.91 0.67 0.36 0.36</pre>	254 932 17.44 SAMP 155 154	Pag Sau Squp Sche Sep Pri Fig Oct Che Che Che Che Che Che Che Che Che Che
Towing dir: 330° Wire out: Sorted: 25 Kg Total catch: SPECIES Desystis CEDIFOURA Brachydeuterus auritus Dentsi opogenais Pagelius beliottii Saurida brasiliensis Lepidottigla carolac Exythrocics Monodi Priacantikus arenatus Chelidonichthys gabonensis Arioma bondi Boops boope sphoeroides pachgaster Citherus linguatula Sepia sp. Todaropsis eblanae Sardinella aurita Chelidonichthys lucerna	300 m Spec 208 72 CATCH/HK 160.00 31.30 24.10 22.00 24.10 22.00 3.30 3.90 3.90 3.90 3.90 3.90 3.90 3	POSITI pode: 3 : 2 : code: 1 : code: 1	<pre>>N:Lat s Long E +10 +00R: 4: 0F TOT. C 38.33 31.14 7.98 5.27 3.95 1.32 1.32 1.32 1.32 1.32 0.93 0.93 0.93 0.91 0.67 0.36 0.17 0.17</pre>	254 932 17.44 SAMP 155 154	Pag Sau Squp Sche Sep Pri Fig Oct Che Che Che Che Che Che Che Che Che Che
Towing dir: 330° Wire out: Sorted: 25 Kg Total catch: SPECIES Dasyatis centroura Brachydeuterus auritus Dentël congoensis Pagellus bellottii Saurida brasiliensis Lepidotrigia carolac Erythrooles monodi Priscantima arenatus Chelidonichtbys gabonensis Arioma bondi Duops boops Sphoeroldes pachgaster Citherus linguatula Sepia sp. Todaropsis eblanae Sardinella aurita	300 m Spec 208 72 CATCH/HK weight ai 160.00 130.00 33.30 24.10 22.30 16.50 5.50 5.50 5.50 5.30 3.90 3.90 3.90 3.90 3.30 2.20 2.20 0.85 0.85 0.85 0.75	POSITI pode: 3 : 2 code: 1 : 30 km 2 2 1340 1340 1340 1340 1475 530 940 10 0 80 80 80 80 80 80 80 80 80	<pre>>N:Lat s Long E Long E +10 HOUR: 4: OF TOT. C 30.33 31.14 7 98 5.77 5.27 1.32 1.32 1.32 1.32 0.93 0.93 0.93 0.91 0.67 0.53 0.36 0.19 0.17</pre>	254 932 17.44 SAMP 155 154	Pag Sau Squp Sche Sep Pri Fig Oct Che Che Che Che Che Che Che Che Che Che
Towing dir: 330° Wire out. Sorted: 25 Kg Total catch: SPECIES Desystis CEDIFOURA Brachydeuterus auritus Dentäi songeensis Pagellus beliottii Saurida Drasiliensis Lepidotrigia carolac Brythrooles Monodi Priacarliama arentus Chelidonichthys gabonensis Arioma bondi Boops boope sphoeroides pachgaster Citherus linguatula Sepia sp. Todaropsis eblanae Sardinella aurita Chelidonichthys lucerna Spicara aita	300 m Spec 208 72 CATCH/HK 160.00 31.30 24.10 22.00 24.20 5.50 5.50 5.50 3.90 5.50	POSITI pode: 3 : 2 : code: 1 : code: 1	<pre>>N:Lat s Long E Lo</pre>	254 932 17.44 SAMP 155 154	Pag Sau Squp Sche Sep Pri Fig Oct Che Che Che Che Che Che Che Che Che Che
Towing dir: 330° Wire out. Sorted: 25 Kg Total catch: SPECIES Desystis CEDIFOURA Brachydeuterus auritus Dentäi songeensis Pagellus beliottii Saurida Drasiliensis Lepidotrigia carolac Brythrooles Monodi Priacarliama arentus Chelidonichthys gabonensis Arioma bondi Boops boope sphoeroides pachgaster Citherus linguatula Sepia sp. Todaropsis eblanae Sardinella aurita Chelidonichthys lucerna Spicara aita	300 m Spec 208 72 CATCH/HK 160.00 31.30 24.10 22.00 24.20 5.50 5.50 5.50 3.90 5.50	POSITI pode: 3 : 2 code: 3 code: 1 code: 1 code: 1 code: 1 code: 1 isolarity code: 1 isolarity 2 140 1410 1410 2 140 1410 1410 2 140 10 10 80 80 80 80 80 80 80 100 10	<pre>>N:Lat s Long E +10 HOUR: 4: OF TOT. C 38.33 31.14 5.77 3.95 5.27 3.95 1.32 1.32 1.32 1.32 1.32 0.93 0.93 0.93 0.93 0.93 0.93 0.93 0.93</pre>	254 932 17.44 SAMP 155 154 153	Pag Sau Squp Sche Sep Pri Fig Oct Che Che Che Che Che Che Che Che Che Che
Towing dir: 330° Wire out: Sorted: 25 Kg Total catch: SPECIES Desystis centroura Brachydeuterus auritus Dentël compeensis Pagellus bellottii Saurida brasiliensis Lopidotrigla carolac Brythrockes Monodi Priacanthaus atemptus Chelidonichthys gabonemsis Ariomas bondi Doops boops Sphoeroides pachgaster Citherus linguatula Sepla sp. Todaropsis eblanae Sardinella aurita Chelidonichthys lucerna Spicara sita Total	300 m Spec 208 72 CATCH/HK 160.00 31.30 24.10 22.00 24.20 5.50 5.50 5.50 3.90 5.50	POSITI pode: 3 : 2 code: 1 code: 1	<pre>>N:Lat s Long E +10 HOUR: 4: OF TOT. C 38.33 31.14 5.77 3.95 5.77 3.95 1.32 1.32 1.32 1.32 0.93 0.93 0.93 0.93 0.93 0.93 0.93 0.93</pre>	254 932 17.44 SAMP 155 154 253	Pag Sau Squp Sche Sep Pri Fig Oct Che Che Che Che Che Che Che Che Che Che
Towing dir: 330° Wire out: Sorted: 25 Kg Total catch: SPECIES Dasystis centroura Brachydeuterws auritus Dentez compoensis Pagellus bellottii Saurida brasiliensis Lepidotrigia carolac Erythrooles monodi Priacantimus arenatus Chelidonichthys gabomensis Ariomma bondi Buops boops Sphoeroides pachqaster Citherus linguatula Sepia sp. Todaropsis eblanat Sardioella aurita Chelidonichthys lucerna Spicara atta	300 m Spec 208 72 CATCH/HK 160.00 31.30 74.10 22.00 16.50 5.50 5.50 3.90 5.00	POSITI pode: 3 : 2 : code: 1 : code: 3 : code: 1 : code: 3 : code: 1 : code: 1	<pre>>DN:Lat s Long E L</pre>	254 932 17.44 SAMP 155 154 153	Pag Sau Squa Sche Sep Pri Fig Oct Che Che Che Che Che Che Che Che Che Che
Towing dir: 330° Wire out: Sorted: 25 Kg Total catch: SPECIES Dasyatis centroura Brachydeuterus auritur Dentez components Pagellus bellottii Saurida brasiliensis Lepidottigia carolac Exythrocies monodi Priacantiaus arenatus Chelidonichthys gabomensis Chelidonichthys gabomensis Ariomas bondi Buogs boope Sphoeroides pachgaster Citherus linguatula Sepia sp. Todaropsis eblanae Sardinella aurita Chelidonichthys lucerna Spicara alta Total DATE: 27/ 8/94 GEAF TYP Start stop duration TIME :12:32:00 13:02:00 30 (mm) LOG :4469.10 4470.50 1 40 FDEPTH: 46 45	300 m Spec 208.72 CATCH/MK weight ni 160.00 130.00 24.10 22.00 5.50 5.50 5.50 5.50 3.90 3.90 3.90 3.90 3.90 3.90 3.90 3.9	POSITI pode: 3 : 2 : code: 1 code: 3 : code: 1 : code: 3 : code: 3 : code: 3 : code: 3 : code: 1 : code: 2 : code: 1 :	<pre>ON:Lat s Long E </pre>	254 932 17.44 SAMP 155 154 153	Pag Sau Squa Squa Sche Sep Raj Pri Fi Soc Tri Tri Ghe Boo Pac Spi Si Spi Si Si Si Si Si Si Si Si Si Si Si Si Si
Towing dir: 330° Wire out: Sorted: 25 Kg Total catch: SPECIES Dasyātis centroura Brachydeuterus auritur Dentež components Pagelius bellottii Saurida brasiliensis Lepidottigis carolac Erythrooles monodi Priacantiaus arenatum Chelidonichthys gabomensis Ariomas bondi Buops boops sphoerolides pschaster Citherus linguatula Sepia sp. Todaropsis eblanae Sardinella aurita Chelidonichthys lucerna Spicara sita Total Datž:27/ 8/94 GEAP TYF Start stop duration THE :12:32:00 13:02:00 30 (ann) LOG : 4469.10 4470.50 1 40 FDEPTH: 46 45 BDEPTH: 46 45 BDEPTH: 46 45 BDEPTH: 335° Wire out:	300 m Spec 208 72 CATCH/MK weight ni 160.00 33.30 24.10 22.00 5.50 5.50 5.50 5.50 3.90 3.	POSITI pode: 3 : 2 : code: 1 code: 3 : code: 1 : code: 1 : code: 1 : code: 1 : 30 kn : code: 1 : 30 kn : 2 : 30 kn : 30 kn	<pre>>10 Lat s Long E Long E Long E Long E +10 HOUR: 4: 0F TOT. C 38.33 31.14 7 98 5.27 3.95 1.32 1.37 0.93 0.93 0.93 0.93 0.93 0.93 0.93 0.93</pre>	254 932 17.44 SAMP 155 154 253	Pag Sau Squa Che Cep Sep Raj Pri Fi Soc Tri Tri Che Boo Pac Pac Pac Pac Pac Pac Pac Pac Pac Pac
Towing dir: 330° Wire out: Sorted: 25 Kg Total catch: SPECIES Desystis centroura Brachydeuterus auritus Dentši compeensis Pagellus bellottii Saurida brasiliensis Lepidotrigla carolac Erythroles monodi Priscantham arebatus Chelidonichthys gabonemsis Chelidonichthys gabonemsis Chelidonichthys gabonemsis Chelidonichthys gabonemsis Chelidonichthys gabonemsis Chelidonichthys gabonemsis Chelidonichthys lucerna Spicara sita Total DATE: 27/ 8/94 GEAF TYF Start stop duration TIME 12:32:00 13:02:00 30 (mration TIME	300 m Spec 208.72 CATCH/MK weight ni 160.00 130.00 24.10 22.00 5.50 5.50 5.50 5.50 3.90 3.90 3.90 3.90 3.90 3.90 3.90 3.9	POSITI pode: 3 : 2 : code: 1 code: 3 : code: 1 : code: 1 : code: 1 : code: 1 : 30 kn : code: 1 : 30 kn : 2 : 30 kn : 30 kn	<pre>>10 Lat s Long E Long E Long E Long E +10 HOUR: 4: 0F TOT. C 38.33 31.14 7 98 5.27 3.95 1.32 1.37 0.93 0.93 0.93 0.93 0.93 0.93 0.93 0.93</pre>	254 932 17.44 SAMP 155 154 153	Pag Sau Squa Che Cep Sep Rej Pri Fi So Cit Cit Spi Spi Spi Spi Spi Spi Spi Spi Spi Spi
Towing dir: 330° Wire out: Sorted: 25 Kg Total catch: SPECIES Desystis centroura Brachydeuterus auritus Dentši compennis Pagellus bellottii Saurida brasiliensis Lopidotrigla carolac Erythroles monodi Priscanthus arebatus Chelidonichthys gabonensis Arioma bondi Spheroides pachgaster Citherus linguatula Sepia sp. Todatopeis eblanae Sardinella surita Chelidonichthys lucerna Spicara alta Total DATE: 27/ 8/94 GEAP TYP Start stop duration TIME :12:12:00 13:02:00 30 (martica TIME :12:12:100 13:02:00 30 (martica TIME :12:12:00 13:02:00 30 (martica TOTAL DATE: 27/ 8/94 GEAP TYP Start stop duration TIME :12:12:00 13:02:00 30 (martica TOTAL DATE: 27/ 8/94 GEAP TYP Start stop duration TOTAL	300 m Spec 208 72 CATCH/HK 160.00 31.30 24.10 22.30 16.50 5.50 5.30 3.90	POSITI Dode: 3 : 2 : code: 1 : code: 1	<pre>ON: Lat s Long E Long E HOUR: 4: OF TOT. C 38.33 31.44 5.77 3.95 5.77 3.95 5.77 3.95 1.32 1.32 1.32 1.37 0.93 0.93 0.93 0.93 0.93 0.93 0.93 0.93</pre>	254 932 17.44 SAMP 155 154 253 247 940 19 46 SAMP	Pag Sau Squ Lepp Lepp Rej Ri Gli Gli Boo Cli Gli Boo Aul Tra Arin Arin Tra Tra Sph Aut Tot Sci Spe Ant Den Sco Spe Spe
Towing dir: 330° Wire out: Sorted: 25 Kg Total catch: SPECIES Desystis centroura Brachydeuterus auritus Dentši congennais Pagelius bellottii Saurida brasiliensis Lopidotrigis carolac Erythroles monodi Priscanthus arebatus Chelidonichthys gabonensis Arioma bondi Spheroides pachgaster Citherus linguatula Sepia sp. Total DATE: 27/ 8/94 GEAP TYPE Start stop duratica Spicara alta Total DATE: 27/ 8/94 GEAP TYPE Start stop duratica TitHE : 12:12:00 13:02:00 30 (man) LOG : 4469.10 4470.50 1 40 PDEPTH: 46 45 DOTING dir: 335° Mire out: Softed: 65 Kg Total catch: SPECIES Pagelius beliottii Sepia officinalis hterreda	300 m Spec 208 72 CATCH/HK 160.00 130.00 131.30 24.10 22.00 165.00 5.50 5.50 5.50 5.50 5.30 1.30 2.20 1.50 0.30 0.30 0.30 0.30 0.30 0.30 0.30 1.21 0.60 0.30 0.30 0.30 0.30 0.421.10 E: BT No:6 Purpose G Area codd Validity 200 1.09 1.09 1.00 1.0	POSITI Dode: 3 : 2 : 2 : code: 1 : code: 1 : code: 1 : code: 1 : 14: 30 Kn CATCH/ DUR 1 : 14: 30 Kn : 2 : 2 : 1340 : 30 Kn : 2 : 2 : 30 Kn : 30 CN : 30	<pre>>N:Lat s Long E +10 HOUR: 4: OF TOT. C 38.33 31.14 5.77 3.95 1.32 1.37 1.97 5.27 3.95 1.32 1.37 1.97 0.93 0.93 0.93 0.93 0.93 0.93 0.93 0.93</pre>	254 932 17.44 SAMP 155 154 253 247 940	Pag Sau Squ Che Sep Rej Fil Gli Gli Gli Boo Cli Gli Boo Aul Tra Sph Tot Sol Soc Spa Spa Spa Spa
Towing dir: 330° Wire out: Sorted: 25 Kg Total catch: SPECIES Desystis centroura Brachydeuterus auritus Dentši congecnais Pagelius bellottii Saurida brasiliensie Lepidotrigis carolac Erythrocles monodi Priscantham arebatus Chelidonichthys gabonemsis Chelidonichthys gabonemsis Chelidonichthys gabonemsis Arioma Boudi Buops boops Sphoeroides pachaster Citherus linguatula Sepia sp: Todatogeis eblanae Sardisella aurita Chelidonichthys lucerna Spicara alta Total DATE: 27/ 8/94 GEAF TYF Start stop duration TIME :12:32:00 13:02:00 30 (martion TIME :12:32:00 13:02:00 30 (martion TOTAL DOETTH: 46 45 BDEFTH: 46 45 BDEFTH: 46 45 Softed: 65 Kg Total catch: SPECIES Pagelius beliottii Sepia officinalis hterreda Fistularia petimba	300 m Spec 208 72 CATCH/MK weight ni 130.00 33.30 24.10 22.00 5.50 5.50 5.50 5.50 5.50 3.90 3.	POSITI pode: 3 : 2 : code: 1 : code: 3 : code: 1 : code: 1	<pre>>N:Lat s Long E +10 HOUR: 4: 33:14 7 98 5.77 3.95 1.32 1.32 1.32 1.32 1.32 1.32 1.32 1.32</pre>	254 932 17.44 SAMP 155 154 253 247 940 19 46 SAMP	Pag Sau Squa Che Sep Rej Fil Sip Col Spi Col Spi Spi Col Spi Spi Col Spi Spi Col Spi Spi Col Spi Spi Col Spi Spi Col Spi Spi Col Spi Spi Col Spi Spi Col Spi Spi Col Spi Spi Col Spi Spi Spi Col Spi Spi Col Spi Col Spi Col Spi Col Spi Col Spi Col Spi Col Spi Col S
Towing dir: 330° Wire out: Sorted: 25 Kg Total catch: SPECIES Desystis CEDIFOURA Brachydeuterus auritus Dentsi componentsi Lopidottiga carolac Erythrocles monodi Priacafilam arenatus Chelidonichthys gabomensis Chelidonichthys gabomensis Arioma bondi Boops boops sphoeroides pachgaster Citherus linguatula Sepie sp. Todaropsis eblanae Sardinella aurita Chelidonichthys lucerna Spicara sita Total DATE:27/ 8/94 GEAF TYP Start stop duration TIME :12:32:00 13:02:00 30 (min) DOC : 4469:10 4470.50 140 PDEPTH: 45 45 BOEPTH: 45 45 Towing dir: 335° Wire out: SPECIES Pagellus beliottii Sepia officibalis hierredda Fistularia petimba Scyllarides herklotsii Trachinos matus	300 m Spec 208.72 CATCH/MK 160.00 31.30.00 32.10 24.10 22.00 5.50 5.50 5.50 5.50 3.9	POSITI pode: 3 : 2 : code: 1 : code: 2 : code: 1 : code: 1 : code: 1 : code: 1 : code: 1 : code: 1 : code: 2 : code: 1 : code: 2 : code: 3 : code: 2 : code: 4 : code: 4	<pre>>DN:Lat s Long E +10 HOUR: 4: 0F TOT. C 38.33 31.14 7 98 5.27 3.95 1.32 1.32 1.32 1.32 1.32 0.93 0.93 0.93 0.93 0.93 0.93 0.93 0.93</pre>	254 932 17.44 SAMP 155 154 253 247 940 19 46 SAMP	Pag Sau Squa Squa Squa Spp Pri Fil Spp Git Spp Au Tra Tot Spp Tot Spp Spp Spp Spp Spp Spp Spp Spp Spp Sp
Towing dir: 330° Wire out: Sorted: 25 Kg Total catch: SPECIES Desystis CEDIFOURA Brachydeuterus auritus Dentis compensis Pagelius beliottii Saurida brasiliensis Lepidottigis carolac Erythrocles monodi Priacantikus arentus Chelidonichthys gabomensis Arioma bondi Boops boops spheroides pachgaster Citherus linguatula Sepie sp. Todaropsis eblanae Sardinella aurita Chelidonichthys lucerna Spicara sita Total DATE:27/ 8/94 GEAP TYP Start stop duration THE :12:32:00 13:02:00 30 (min) DOC ::469.10 4470.50 140 PDFPH: 45 45 BDEPTH: 45 45 Towing dir: 335° Wire out: SPECIES Pagellus beliottii Sepia oficikusis hierredda Fistularia petimba Scyllarides herklotsii Trachinus matelus Patesia	300 m Spec 208 72 CATCH/MK 160.00 31.30 24.10 22.00 22.00 3.30 24.10 22.00 3.30 22.00 3.92 4.90 3.94 3.04 1.14 1.14 0.66 0.64	POSITI pode: 3 : 2 : 2 : code: 1 : code: 1 : code: 1 : 140 141 : 30 km CATCH/ UR : 30 km : 2 : 140 140 140 : 30 km : 2 : 30 km : 2 : 30 km : 3	<pre>>DN:Lat s Long E +10 HOUR: 4: 0F TOT. C 38.33 31.14 7 98 5.27 3.95 1.32 1.32 1.32 1.32 1.32 1.32 0.93 0.93 0.93 0.93 0.93 0.93 0.93 0.93</pre>	254 932 17.44 SAMP 155 154 253 247 940 19 46 SAMP	Pag Sau Squa Che Sep Rej Fil Sip Cit Spi Cit Spi Cit Booo Aul Tra Spi Ail Tot Spi Aul Tot Spi Spi Spi Spi Spi Spi Spi Spi Spi Spi
Towing dir: 330° Wire out: Sorted: 25 Kg Total catch: SPECIES Dasystis centroura Brachydeuterum auritur Dentez components Pagellum bellottii Saurida brasiliensis Lepidotrigia carolac Erythrocles monodi Priacantiama arenatum Chelidonichthys gabomensis Chelidonichthys gabomensis Ariomma bondi Buogs boope Sphoeroides pachaster Citherus linguatula Sepia sp. Todaropsis eblanae Sardinella aurita Chelidonichthys lucerna Spicara alta Total DATE: 27/ 8/94 GEAF TYF Start stop duration TIME :12:32:00 13:02:00 30 (mn) LOC : 4469 10 4470.50 1 40 FDEPTH: 46 45 BDEPTH: 46 45 BDEPTH: 46 45 SPECIES Pagellum beliottii Sepia officinalis hierredda Fistularia petimbe Scyllarides herkatus Mustelum armatum Mustelum manteum	300 m Spec 208 72 CATCH/1K weight 11 160.00 130.00 24.10 22.00 5.50 5.50 5.50 5.50 5.50 3.90 3	POSITI Dode: 3 : 2 : code: 1 : code: 1 : code: 1 : code: 1 : di 30 Kn CATCH/ DUR 1 : di 30 Kn CATCH/ : 2 : 1340 : 140 : 30 Kn : 2 : 2 : 30 Kn : 40 K	<pre>>N: Lat s Long E +10 +10 HOUR: 4: 0F TOT. C 38.33 31.14 5.77 3.95 1.95 1.97 3.95 1.97 3.95 1.97 0.93 0.93 0.93 0.93 0.93 0.93 0.93 0.93</pre>	254 932 17.44 SAMP 155 154 253 247 940 19 46 SAMP	Pag Sau Squa Che Sep Rej Fil Si Spi Cit Cit Spi Cit Spi Cit Spi Cit Cit Spi Cit Spi Cit Cit Cit Spi Cit Cit Spi Cit Cit Spi Cit Cit Spi Cit Cit Cit Cit Cit Cit Cit Cit Cit Ci
Towing dir: 330° Wire out: Sorted: 25 Kg Total catch: SPECIES Desystis centroura Brachydeuterus auritus Dentši congennais Pagelius bellottii Saurida brasiliensis Lopidotrigis carolac Erythroles monodi Priscanthus arenatus Chelidonichthys gabonensis Chelidonichthys gabonensis Chelidonichthys gabonensis Chelidonichthys gabonensis Chelidonichthys gabonensis Chelidonichthys gabonensis Chelidonichthys gabonensis Chelidonichthys gabonensis Chelidonichthys lucerna Spicara sita Total DATE: 27/ 8/94 GEAF TYF Start stop duratica Total DATE: 27/ 8/94 GEAF TYF Start stop duratica Start sto	300 m Spec 208 72 CATCH/MK weight ni 160.00 130.00 24.10 22.00 5.50 5.50 5.50 5.50 5.50 3.90 4.71 1.10 CATCH/MK 4.71 1.44 1.14 0.66 0.66 0.60	POSITI Dode: 3 : 2 : 2 : 2 : 2 : 2 : 2 : 2 : 2	<pre>>N:Lat s Long E Long E +10 HOUR: 4: 0F TOT. C 38.33 31.14 5.77 3.95 1.32 1.32 1.37 0.93 0.93 0.93 0.93 0.93 0.93 0.93 0.93</pre>	254 932 17.44 SAMP 155 154 253 247 940 19 46 SAMP	Pag Sau Squa Squa Squa Pri Fil Spi Spi Spi Spi Spi Spi Spi Spi Spi Spi

	PE: BT NO:1	PROJ POSITI	ECT STATE ON:Lat	S 235
start stop duration TIME :09:15:00 09:45:00 30 (min		code: 3	Long	1C 940
LOG ;4496.40 4497.80 1.40 FDEPTH: 26 24	Area cod GearCond	, code :		
BDEPTH: 26 74 Towing dir: 340 ^a Wire out:	Validity 90 m Spe	code: 1 ed: 29 kn	•10	
Sorted: 7 Kg Total catch:	7.05			14.10
·				
SPECIES	CATCH/H	OUR L	OF TOT. C	SAMP
Alectis alexandrinus Fistularia petimbo	10.70 3.40	6 18	75.89 24.11	157
Total	14.10		100.00	
DATE:23/ 8/94 CEAR TY start stop duration	PE: BT No:6			DN: 75 5 241 5 932
TIME :11:06:00 11:36:00 30 (min LOG :4509.50 4510.90 1.40) Purpose Area cod		2049	
FDEPTH: 51 51 BDEPTH: 51 51	GearCond Validity	.code:		
Towing dir: 230* Wire out:	170 m Spe	ed: 29 kn	*10	
Sorted: 48 Kg Total satch:	48.90	CATCH/	HOUR :	97.80
SPECIES	CATCH/H	00R 1	OF TOT. C	SAMP
Pagellus bellottil	weight n 70 60	1420	72.19	158
Sepia officinalis hierredda Priacanthus arenatus	2.06	50 26	14.83	
Fistularia petimba Trachinus armatus	1.98	28 34	2.02	
Chelidonichthys lucerna Trachinocephalus syops	1.68	28 10	1.72	
Raja miraletus	1.36 0,78 0.64	2 - 2	0.80	
Actylopterus volitane Sentex bernardi Dendersente serveri	0.62	2	0.63	
Seudupeneus prayensis Frachious sp	0.60	6 2	0.61	
Forpedo torpedo Alloteuthis africana	0.38 0.24	2 2	0.39	
Jranoscopus polli Chelidonichthys gebonensis	0.10 6.08	2 2	0.10 0.08	
epidotrigla carolac	0.04	2	0.04	
Total	97. 96		100.16	
start stop duration TIME :13:08:00 13:38:00 30 (min LOG :4523.50 4524.90 1.40	Area cod	POSITI code: 3 e : 2		DN: 76 S 347 E 923
start stop duration TIME :13:08:00 13:38:00 30 (min LOG :4523.50 4524.90 1.40 FDEPTH: 85 83 DDEPTH: 85 83) Purpose Area cod GearCoud Validity	code: 3 le : 2 code: code: code:	ON:Lat : Long i	s 347
start stop duration TIME 13:08:00 13:38:00 30 (min LOG :4523.50 4524.90 1.40 FDEPTM: 85 83 DDEPTH: 85 83 Towing dir: 340° Wire out:) Purpose Area cod GearCoud Validity 340 m Spec	POSITI code: 3 le : 2 Loode: code: 1 ed: 29 kn	ON: Lat : Long i	s 347 8 923
start stop duration TIME 13:08:00 13:38:00 30 (min LOG :4523.50 4524.90 1.40 FDEPTM: 85 83 DDEPTM: 85 83 Towing dar: 340° Wire out: Corted: 54 Kg Total catch:) Purpose Area cod GearCoud validity 340 m Spec 54.50	POSITI code: 3 le : 2 .code: code: 1 ed: 29 kn CATCH/	ON:Lat Long +10 HOUR:	s 347 E 923 L09.00
tine stop duration TIME 13:08:00 13:38:00 30 (min LOG :4523.50 4524:90 1.40 TDEFTM: 85 83 DDEPTM: 85 83 Towing dar: 340° Wire out: Corted: 54 Kg Total catch: SPECIES) Purpose Area cod GearCoud Validity 340 m Spec 54.50 CATCH/H weight a	POSITI code: 3 ie : 2 i.code: code: 1 ed: 29 kn CATCH/	ON:Lat : Long ! *10 HOUR: : GF TOT. C	s 247 g 923 LO9.00 SAMP
start stop duration TIME :13:08:00 13:38:00 30 (min LOG :4523.50 4524 90 1.40 FDEPTH: 85 83 DDEPTH: 85 83 Towing drr: 340* Wire out: Sorted: 54 Xg Total catch: PDCIES Pagellus bellottij aurida brasiliensis) Purpose Area cod GearCoud Validity 340 m Spec 54.50 CATCH/H Weight a 33.60 21.80	POSITI code: 3 le : 2 l.code: 2 l.code: 1 ed: 29 kn CATCH/ OUR 1 UNDERS 696 4360	•10 +10 HOUR: :: 9F TOT. C 31.01 20.00	s 347 E 923 L09.00
start stop duration TIME :13:08:00 13:38:00 30 (min LOG :4523:50 4524:90 1.40 FDEPTM: 85 83 BDEPTM: 85 83 Softed: 54 Xg Total catch: Softed: 54 Xg Total catch: PECIES sageilus bellottii saurida brasiliensis iquatite oculata helidohichthys qabonensis) Purpose Area cod GearCoud Validity 340 m Sper 54.50 CATCH/H veight a 33.00 21.80 24.50 9.20	POSITI code: 3 ie : 2 i.code: 1 ed: 29 kn CATCH/ OUR 1 UNDERS 696 4360 4 180	<pre>ON:Lat :: Long :: *10 HOUR: :: GF TOT. C 31.01 20.00 13.30 8.44</pre>	s 247 g 923 LO9.00 SAMP
start stop duration TIME :13:08:00 13:38:00 30 (min LOG :4523:50 4524:90 1.40 FDEFTM: 85 83 DDEPTH: 85 83 DOEPTH: 85 Wire out: Corted: 54 Kg Total catch: PECIES Pagellus bellottii Squatibe oculata Squatibe oculata Squatibe oculata Squatibe oculata Squatibe oculata Squatibe oculata) Purpose Area cod GearCoud Validity 340 m Spec 54.50 CATCH/H Weight a 33.60 21.80 24.50 9.20 9.14 6.10	POSITI code: 3 ie : 2 .code: 1 ed: 29 kn CATCH/ OUR 1 CATCH/ OUR 1 696 4360 4 180 610 56	*10 +10 HOUR: : : GF TOT. C 31.01 20.00 13.30 8.44 8.39 5.60	s 247 g 923 LO9.00 SAMP
start stop duration TIME 13:08:00 13:38:00 30 (min LOG :4523:50 4524 90 1.40 FDEPTH: 85 83 Towing dur: 340° Wire out: Sorted: 54 Kg Total Catch: SPECIES Pagellus bellottii Saurida brasillennis Signatiba collats Chelidonichthys gabonensis Lepidotrigla carolae Sepid sp. Laja miraletus Tiacanthus arenatus) Purpose Arte cod GearCoud validity 340 m Sper 54.50 CATCH/H veight a 33.00 21.80 14.50 9.20 9.14 6.10 3.44 2.72	POSITI code: 3 e : 2 .code: 1 ed: 29 kn CATCH/ KUR 1 .umbers 696 4360 4360 56 8 22	*10 +10 HOUR: 2 GF TOT. C 31.01 20.00 13.30 8.44 8.39 5.60 3.16 2.50	s 247 g 923 LO9.00 SAMP
start stop duration TIME 13:08:00 13:38:00 30 (min LGG :4523.50 4524:90 1.40 FDEPTM: 85 83 DDEPTH: 85 83 DDEPTH: 85 Wire out: Corted: 54 Kg Total catch: Species Stop Total catch: Species Stop Stop Stop Stop Stop Stop Stop Stop) Purpose Area cod GearCoud validity 340 m Sper 54.50 CATCH/H veight a 33.00 21.80 24.80 9.24 9.24 6.10 3.44 2.56 1.28	POSITI code: 3 ie : 2 .code: 1 code: 1 ed: 29 kn CATCH/ OUR 1 UMDers 696 4360 4 180 610 56 8	*10 +10 HOUR: : 31.01 20.00 13.30 8.44 8.39 5.60 3.16	s 247 g 923 LO9.00 SAMP
start stop duration TIME 13:08:00 13:38:00 30 (min LOG :4523.50 4524:90 1.40 FDEPTM: 85 83 Towing dir: 340* Wire out: Corted: 54 Kg Total Catch: SPECIES Pagellus bellottii Saurida brasilicnais Shyatike oculata Chelidonichthys gabonensis Lepidotrigia carolac Sepia sp. Kaja minetus Friacabthus arenatus Frischlurus lepturus) Purpose Area cod GearCoud Validity 340 m Sper 54.50 CATCH/H Weight a 33.60 21.80 21.80 9.20 9.24 6.10 3.44 2.72 2.56	- POSITI code: 3 ic-code: 2 code: 1 ed: 29 kn cATCH/ bUR % 4360 4360 4360 610 56 56 52 20 10	<pre>ON:Lat :: Long ! +10 HOUR: : GF TOT. C 31.01 20.00 13.30 8.44 8.39 5.60 3.16 2.50 2.35</pre>	s 247 g 923 LO9.00 SAMP
start stop duration TIME 13:08:00 13:38:00 30 (min LGG :4523:50 4524:90 1.40 FDEPTM: 85 83 Towing dir: 340 Wire out: Corted: 54 Kg Total catch: SPECIES Pagellus bellottii Squetiis oculata Chelidonichthys gabonensis Lepidotrigla carolac Sepidotrigla carolac Sepidotrigua sp. Tichlurus lepturus triosma bondi Secionac Secionac) Purpose Area cod GearCoud Validity 340 m Sper 54.50 CATCH/H Weight a 33.60 21.80 9.20 9.24 6.10 3.44 2.72 2.56 1.28 1.10 1.02 0.54	 POSITI code: 3 ee: 2 code: 1 code: 1 ed: 29 km CATCH/ COUR 1 umbers 636 636 610 56 8 22 10 22 10 	<pre>ON:Lat :: Long ? +10 HOUR: :: GF TOT. c 31.01 20.00 13.40 3.16 2.50 3.16 2.55 1.17 1.01 2.05 1.07</pre>	s 247 g 923 LO9.00 SAMP
start stop duration TIME 13:08:00 13:38:00 30 (min LGG :4523:50 4524:90 1.40 FDEFTM: 85 83 Towing dur: 340 Wire out: Corted: 54 Kg Total catch: SPECIES Pagellus bellottii Squettis oculats chelidobichthys gabonensis Lepidobirgis carolac Sepidotrigis carolac Sepidotrigis carolac Sepidotrigis carolac Sepidotrigis carolac Sepidotrigis carolac Stata petimbo Cotopus Sp. Citvularia petimbo Cotopus Sp. Citvularia petimbo Spicara alta Sitharus lingutula) Purpose Area cod GearCoud Validity 340 m Spec 54.50 CATCH/H weight a 31.80 21.80 9.20 9.24 6.10 3.44 2.72 5.6 1.28 1.10 1.02 0.54 0.52 0.36	 POSITI code: 3 e: 2 code: 1 code: 1 code: 1 code: 2 code: 2 code: 4 360 610 56 610 56 10 2 2 10 32 20 	ON: Lat : : Long : +10 HOUR: : : oF TOT. c 31.01 20.00 13.00 8.44 8.39 5.60 3.16 2.55 1.17 1.01 0.54 0.54 0.54	s 247 g 923 LO9.00 SAMP
start stop duration TIME :13:08:00 13:38:00 30 (min LOG :4523:50 4524:90 1.40 FDEFTM: 85 83 Towing dur: 340 Wire out: Corted: 54 Kg Total catch: Sorted: 54 Kg Total) Purpose Area cod GearCoud Validity 340 m Spec 54.50 CATCH/H weight m 31.80 21.80 9.20 9.24 6.10 3.44 2.72 5.6 1.28 1.10 1.02 0.54 0.52 0.36 0.28 0.24	POSITI code: 3 (code:	ON: Lat : : Long : +10 HOUR: : : oF TOT. C 31.01 20.00 13.00 8.44 8.39 5.60 2.35 1.61 2.35 1.6 2.35 1.6 2.35 1.6 2.35 1.6 0.23 0.04 0.54 0.54 0.54	s 247 g 923 LO9.00 SAMP
start stop duration TIME 13:08:00 13:38:00 30 (min LOG :4523:50 4524:90 1.40 FDEPTM: 85 83 Towing dur: 340° Wire out: Corted: 54 Kg Total catch: SPECIES Pagellus bellottii Squatius oculats Squatius oculats Squatus oculats Squatus oculats Squatus oculats Squatus oculats Starts la squats Squatus oculats Spicar alta Starus linguatula Scops boope Squatus oculats Squatus ocula) Purpose Area cod GearCoud Validity 340 m Spec 54.50 CATCH/H weight a 31.80 24.80 9.20 9.24 6.10 3.44 2.72 5.66 1.28 1.10 1.02 0.54 0.52 0.54 0.52 0.28 0.28 0.24 0.24 0.12	 POSITI code: 3 e: 2 code: 1 code: 1 code: 29 kn CATCH/ CATCH/ CUR 1 umbers 636 4360 640 56 4360 610 56 8 8 22 10 2 12 14 140 140	ON: Lat : : Long : +10 HOUR: : : OF TOT. C 31.01 20.00 13.30 8.44 8.39 5.60 3.16 3.50 2.35 1.17 1.01 0.24 0.25 1.01 0.24 0.24 0.34 0.25 0.25 1.01 1.01 2.35 1.01 2.35 1.01 2.35 2.35 1.01 2.35 1.01 2.35 1.01 2.35 2.35 1.01 2.35 2.35 1.01 2.55 2.35 2.35 1.01 2.35 2.35 1.01 2.35 2.35 1.01 2.35 2.35 2.35 2.35 2.35 1.01 2.35 2.35 2.35 2.35 2.35 2.35 2.35 2.35	s 247 g 923 LO9.00 SAMP
start stop duration TIME 13:08:00 13:38:00 30 (min LGG :4523.50 4524:90 1.40 FDEPTM: 85 83 Towing dir: 340° Wire out: Sorted: 54 Xg Total catch: Species Second Second Sec) Purpose Area cod GearCoud Validity 340 m Spec 54.50 CATCE/H weight a 33.00 21 80 21 80 214.50 9.20 9.21 6.10 3.44 2.72 2.56 1.28 1.10 1.02 0.54 0.54 0.54 0.54 0.54 0.54 0.54 0.54	POSITI code: 3 .code: 1 .code: 1 .code: 1 ed: 29 kn CATCH/ WUR 1 MUMPER 636 4360 610 610 610 610 610 610 610 610 610 6	ON: Lat : : Long : +10 HOUR: : 0F TOT. C 31.01 20.00 13.30 8.44 8.39 5.60 3.16 3.50 3.10 3.50 3.16 3.50 3.16 3.50 3.16 3.50 3.16 3.50 3.16 3.50 3.16 3.50 3.16 3.50 3.50 3.16 3.50 3.16 3.50 3.16 3.50 3.50 3.50 3.16 3.50 3.50 3.50 3.50 3.50 3.50 3.50 3.50	s 247 g 923 LO9.00 SAMP
start stop duration TIME 13:08:00 13:38:00 30 (min LOG :4523:50 4524:90 1.40 FDEFTM: 85 83 Towing dar: 340° Wire out: Corted: 54 Kg Total catch: SPECIES Pagellus bellottii Surid brasiltensis Sturid brasiltensis Sturid brasiltensis Startis pellottig Starta pellottig Starta pellottig Starta pellottig Starta pellottig Tischiums arenatus Stata pellottig Starta pellottig Starta pellottig Starta pellottig Starta pellottig Starta pellottig Starta pellottig Starta pellottig Starta pellottig Starta starta Starta pellottig Starta linguatula Soogs boogs Starta starta Starta start) Purpose Area cod GearCoud Validity 340 m Spec 54.50 CATCH/H veight a 31.80 21.80 24.50 9.20 9.20 9.20 9.20 9.20 9.20 9.20 9.2	 POSITI code: 1 code: 2 code: 1 code: 1 code: 1 code: 2 code: 1 <	ON: Lat : : Long : +10 WOUR: : : oF TOT. C 31.01 20.00 13.30 8.44 8.39 5.60 3.16 2.35 1.17 1.01 0.94 0.31 0.25 0.23 1.01 0.94 0.33 0.25 0.33 0.25 0.33 0.25 0.33 0.25 0.33 0.25 0.33 0.25 0.33 0.25 0.33 0.25 0.33 0.25 0.33 0.25 0.33 0.25 0.33 0.25 0.33 0.35 0.33 0.35 0.33 0.35 0.35 0.3	s 247 g 923 LO9.00 SAMP
start stop duration TIME 13:08:00 13:38:00 30 (min LOG :4523:50 4524:90 1.40 FDEPTH: 85 83 DDEPTH: 85 83 Towing dur: 340* Wire out: Sorted: 54 Xg Total catch: SPECIES Pagellus beliottii Squarida bealiottii Squarida bealiottii Squarida bealiottii Squarida bealiottii Squarida catolac Sepid Sp. Reja sirletus Priscularis erenatus Friscularis petimba Octopus sp. Tichlurus lepturus Ariomak bondi Citharus linguatula Boops boope Paredupencus prayensis Auloquis afmakus Sphoeroides pachyaster Alloteuthis efricana Arnogloësus inperialic) Purpose Area cod GearCoud Validity 340 m Spec 54.50 CATCE/H weight a 33.00 21 80 21 80 214.50 9.20 9.21 6.10 3.44 2.72 2.56 1.28 1.10 1.02 0.54 0.54 0.54 0.54 0.54 0.54 0.54 0.54	POSITI code: 3 .code: 1 .code: 1 .code: 1 ed: 29 kn CATCH/ WUR 1 MUMPER 636 4360 610 610 610 610 610 610 610 610 610 6	ON: Lat : : Long : +10 HOUR: : 0F TOT. C 31.01 20.00 13.30 8.44 8.39 5.60 3.16 3.50 3.10 3.50 3.16 3.50 3.16 3.50 3.16 3.50 3.16 3.50 3.16 3.50 3.16 3.50 3.16 3.50 3.50 3.16 3.50 3.16 3.50 3.16 3.50 3.50 3.50 3.16 3.50 3.50 3.50 3.50 3.50 3.50 3.50 3.50	s 247 g 923 LO9.00 SAMP
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start stop duration THE 13:08:00 13:30:00 30 (min LOG :4523:50 4524:90 1.40 FDEPTH: 85 83 DDEPTH: 85 83 Towing dir: 340* Wire out: Corted: 54 Kg Total catch: SPECIES Pagellus beliottii Squarida brasillensis Squarida brasillensis Squarida brasillensis Squarida brasillensis Squarida catolae Sepla sp. Priacanthus arenatus Fistularia petimba Octopus Sp. Priacanthus arenatus Fistularia petimba Octopus Sp. Citherus linguatula Boops Boops Parka ungurus Alloceuthis afficana ArbogloSsus imperialic Total DATE: 28/ 8/94 CEAR TY start stop duration THE :15:34:00 15:09:00 35 (min LOG : 4540.40 4542.22 1.80 FDEPTH: 158 162 DDEPTH: 158 163 SOEpeena clongeta Scan false Softed: 58 Kg Total catch: SPECIES Anthias anthias Device angolensis Scorpeena clongeta Scan false Species Anthias attakurii Artigonia capors Species Anthias attakurii Species Anthias attakurii Softed: 58 Kg Total catch: Species Anthias attakurii Antigonia capors Allogua cachati Total) Purpose Area cod GearCond Validity 340 m Spec 54.50 CATCH/H Weight 31.00 21.80 21.80 21.80 21.80 21.80 21.4.50 9.20 9.20 9.21 2.56 1.28 1.10 1.02 0.54 0.52 0.36 0.28 0.24 C.12 C.12 C.12 C.12 C.12 C.12 C.12 C.12	POSITI code: 3 :-code: - code: - code: - code: - ed: 29 kn CATCH/ 000R 1 - d: 29 kn 656 - 656 - 4 360 - 4 360 - 6 6 - 6 6 - 6 6 - 6 6 - 6 6 - 6 6 - 6 - 6	ON: Lat : : Long : Hours: : of Tor. c of Tor. c i. : 20.00 3.16 2.35 2.50 2.55 1.57 1.01 0.31 0.3 1.6 2.35 2.50 2.35 2.50 2.35 2.50 2.35 2.50 2.35 2.50 2.35 2.50 2.35 2.50 2.35 2.50 2.35 2.50 2.35 2.50 2.35 2.50 2.35 2.50 2.35 2.50 2.35 2.50 2.35 2.50 2.35 2.50 2.35 2.50 2.35 2.50 2.35 2.50 2.50 2.50 2.50 2.50 2.50 2.50 2.5	SAMP 109.00 SAMP 159 001. 77 5 253 5 915 109.98 SAMP 160 161
start stop duration TIME 13:08:00 13:38:00 30 (min LOG :4523:50 4524:90 1.40 in FDEFTH: 85 83 DEFTH: 85 83 Towing dir: 340* Wire out: Sorted: 54 Xg Total catch: SPECIES Pagellus bellottii Squarida braillensis Squarida braillensis Squarida braillensis Squarida presidentis Lepidotrigla carolae Sepia sp. Paja miraletus Fistularia petimba Octopus Sp. Paja miraletus Fistularia petimba Species Alloteuthis africana Arnoglofsus imperialic Total DATE: 28/ 8/94 CEAR TY start stop duration TIME :15:34:00 16:09:00 35 (min LOG : 4540:40 4542:22 1.80 FDWFTH: 158 162 DDEFTH: 158 162 Sorted: 56 Kg Total catch: SPECIES Anthias anthias Dentex congotanis Scorpeda clongeta Scorpeda c) Purpose Area cod GearCond Validity 54.50 CATCH/H Weight 5 31.00 21.80 21.80 21.80 21.80 21.80 21.80 21.80 21.80 21.80 21.80 21.80 21.80 2.14 2.76 2.56 1.28 1.10 1.02 0.54 0.52 0.36 0.28 0.28 0.28 0.26 0.20 0.20 0.52 0.36 0.22 0.37 0.02 0.02 0.02 0.02 0.02 0.02 0.02 0.0	POSITI code: 3 :code: - code: - code: - code: - ed: 29 kn CATCH/ 000R 1 180 610 610 610 610 610 62 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	ON: Lat : : Long : Hours: : GF TOT. C GF TOT. C 31.01 20.00 3.16 2.00 3.16 2.50 2.55 3.55 1.57 1.01 0.94 0.50 0.34 0.50 0.34 0.50 0.35 1.01 0.94 0.50 0.35 1.01 0.94 0.50 0.02 0.02 0.02 0.02 0.02 0.02 0.02	SAMP 109.00 SAMP 159 001. 77 5 253 5 253 5 915 109.98 SAMP 160 161
start stop duration THE 13:08:00 13:30:00 30 (min LOG :4523:50 4524:90 1.40 TOUETH: 85 83 DEPTH: 85 83 Towing dir: 340* Wire out: Sorted: 54 Xg Total catch: SPECIES Pagelus belottii Squatice oculats CheldOnichthys qabonensis LepidOtigla carolae Sepla sp. Raja miraletus Fiscularia petumba Octopus sp. Trichiurus lepturus Aricomas Bondi ChelidOnichthys lucerna Spicara alta Githarus linguatula Boops boope Paeudupencus prayeosis Allopus dedeasti Trachius armatus Sphoeroides pachyaster Allopus dedeasti Trachius aficana Arnoglossus imperialis Total DATE: 28/ 8/94 GEAR TY Sorted: 58 Kg Total catch: SPECIES Anthias authias Secorpeane clonguta Zua fabet Sparus nayolemus Sorted: 58 Kg Total catch: SPECIES Anthias authias Dente: conyoensis Torpedo torpedo Sparus pagua aficanus Sorter clonguta Zua fabet Spans alta Subasti Si start stop Hire out: Sorted: 58 Kg Total catch: SPECIES	Purpose Area cod GearCond validity 340 m Spect 54.50 CATCH/H 9.14 50 9.14 50 0.54 50 0.55 6.10 1.02 0.55 0.28 6.24 0.28 6.24 0.28 6.24 0.28 6.28 0.28 6.28 0.28 6.24 0.28 6.24 0.28 6.24 0.28 6.24 0.28 6.24 0.28 6.24 0.28 6.24 0.28 6.24 109.00 PE: BT No:6 0.28 6.24 109.00 PPE: BT No:6 0.28 6.24 1109.00 PURPOSE Area Cod GearCond Validity 550 m Spec 130.82 CATCH/H Veight 14.9 10.75 6.4 127.20 95.69 1.27 14.88 1.27 14.8	POSITI code: 3 ie: 2 code: 1 ed: 29 kn CATCH/ WUR 1 ied: 29 kn 636 4360 4 180 610 56 8 22 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	ON: Lat : : Long : HOUR: : : GF TOT. C 31.01 30.00 13.00 9.44 9.39 5.60 3.26 3.26 3.26 3.26 3.26 3.26 3.26 3.26	SAMP 109.00 SAMP 159 001. 77 5 253 5 253 5 915 109.98 SAMP 160 161
start stop duration THE 13:08:00 13:30:00 30 (min LOG :4523:50 4524:90 1.40 TOUETH: 85 83 DEPTH: 85 83 Towing dir: 340* Wire out: Sorted: 54 Xg Total catch: SPECIES Pagelus belottil Squatide oculats Chelidonichthys qabonensis Lepidotrigla carolae Sepia sp. Raja miraletus Fiscularia petumba Octopus sp. Trichiurus lepturus Aricomas bondi Chelidonichthys lucerna Spicara alta Githarus linguatula Boops boope Paeudupencus prayeosis Allocutha seriasus Fiscularia ficana Arioglossus imperialis Trachious armatus Spheeroides pachaster Alloceuthis sficana Arioglossus imperialis Towing dir: J00* Wire out: Sorted: 58 Kg Total catch: SPECIES Anthias anthias DENTE: 28/ 8/94 GEAR TY: Sorted: 58 Kg Total catch: SPECIES Anthias anthias Dente: 58 Kg Total catch: SPECIES Anthias anthias Dente: 58 Kg Total catch: SPECIES	Purpose Area cod GearCond validity 340 m Spect 54.50 CATCH/H 9.14 50 9.14 50 0.54 50 0.55 0.28 0.28 0.28 0.28 0.28 0.28 0.28 0.28	POSITI code: 3 : : 2 : code: 1 : code: 2 : code: 1 : code: 2 : sode: 1 : code: 1 : code: 1 : code: 3 : code: 1 : code: 3 : code: 1 : cod	ON: Lat : : Long : HOUR: : GF TOT. C GF TOT. C 31.01 31.01 30.00 9.44 9.39 5.60 3.16 3.16 3.16 3.16 3.16 3.16 3.16 3.16	SAMP 109.00 SAMP 159 001. 77 5 253 5 253 5 915 109.98 SAMP 160 161

		PROJECT STAT	TION: 78
DATE: 20/ 6/94 GEAR TY	PE: BT No:6 F	OSITION: Lat	\$ 255
start stop duration		Long	E 914
TIME :17:21:00 17:51:00 30 (min) Purpose code		
LOG :4549.70 4551.20 1.50	Area code	: 2	
FDEPTH: 399 408	GearCond.cod	e:	
BDEPTH: 399 408	Validity cod		
Towing dir: 295' Wire out:	1200 a Speed:	30 kn*10	
Sorted: 23 Kg Total catch:	116.35 0	ATCH/HOUR:	232.70
SPECIES	CATCH/HOUR	N OF TOT.	C SAMP
	weight numbe		
Nematocarcinus africanus	138.50 476		
Merluccius polli		00 10.0	
Trichiurus lepturus	21.00	30 9.0	
Chiorophthalmus atlanticus		80 7.3	
Ectreposebastes imus		20 2.1	
Chascanopsetta lugubris	3.60	30 1.5	
HIPPOLYTIDAE		30 1.2	
Etmopterus spinsz	2.70	30 1.1	
Lacmonema laureysi	2.00	30 0.0	
Illex coindetii	1.80	10 0.7	
Trigla lyra	1.60	20 0.6	
Synagrope sp. Gadella imberbis	1.40	30 0.6	
Bathygadus melanobranchus	1.40	10 0.6	
Hymenocephalus italicus		50 0.60	
Malacocephalus laevis	1.40	20 0.60	
Stercomastis sp.		10 0.5	
Dibranchus atlanticus		30 0.4	
Arioma bondi	1,10	20 0.4	
Eusunida squamifera	1.00	10 0.4	
Trachipterus trachypterus	0.60	20 0.20	
Plesionika martia	0.40	70 0.1	
HYCTOPHIDAE	0.40 1	00 0.1	7
Total	232.70	99.9	9

		PRO	JECT STATI	ON: 79
DATE: 29/ 8/94 GEAR	TYPE: PT No:	2 POSIT	ION; Lat	S 227
start stop duration	3		Long	E 931
TIME :23:15:00 00:15:00 60 (code: 1		
LOG :4603.50 4607.10 3.60	Area co			
FDEPTH: 0 0	GearCond	d.code:		
BDEPTH: 27 26	Validity	v code: 1		
	t: 100 m Spe		a*10	
Sorted: 51 Kg Total cate	ch: 123.18	CATCH,	/HOUR:	123.18
SPECIES	CATCH/I		OF TOT. C	SAMP
		number#		
Sardinella maderenzis	66.90	738	54.31	164
Decapterus rhonchus	28.40	126	23.06	163
Engraulis encrasicolus	13.04	2738	10.59	166
Sardinella aurita	7.46	1094	6.06	165
Sphyraena guachancho	6.36	9	5.16	167
Chloroscombrus chrysurus	0.40	10	0.32	
Echencis Baucrates	0.32	2	0.26	
Ilisha africana	0.26	5	0.21	
Trachurus trecae	0.02	2	0.02	
Saurida brasiliensis	0.02	2	0.02	
Total	123.18		100.01	

			PROJ	ECT STATIO	N: 80
DATE: 29/ 8/94	GEAR TYP	E: BT No:6	POSITI	ON:Lat S	224
start stop	duration			Long E	926
TIME :06:52:00 07:22:00) 30 (min)	Purpose o	rode: 3	-	
LOG :4522.10 4623.50	1.50	Area code	: 2		
FDEPTH: 27 29		GearCond.	code :		
BDEPTH: 27 29		Validity			
Towing dir: 300"	Wire out:	80 m Spec	d: 28 km	•10	
Sorted: 68 Kg To	stal catch:	204.65	САТСН/	HOUR: 4	09.32
SPECIES		CATCH/H	UR 1	OF TOT. C	SAMP
		weight nu	unbers		
Decapterus rhonchus		387.30	714	94.62	168
Pageilus bellottii		6.18	78	1.51	
Lethrinus atlanticus		3.60	6	0.88	
Pseudupeneus prayensis		3.60	18	0.88	
Dentex canariensis		2.64	24	0.64	
Fistularia petimba		2.58	30	0.63	
Citherichthys stampflii		1.44	6	0.35	
Sparus caeruleostictus		1.26	6	0.31	
Stereomastis sp.		0.72	6	0.18	
Total		409.32		100.00	

		PROJE	CT STATIO	N: 81
DATE: 29/ 8/94 GE	AR TYPE: BT No			227
start stop durat			Long F	
TIME :08:35:00 09:05:00 30		e code: 3	, ,	
LOG :4633.30 4634.70 1.40				
FDEPTH: 52 52		nd.code:		
BDEPTH: 52 52		ty code: 1		
Towing dir: 330" Wire			10	
identity diff. 550 bille	000. 1.0 2 3	heen. at un-		
Sorted: 5 Kg Total c	atch: 11.8	0 сатсн/н	OUR:	23,60
SPECIES			F TOT. C	SAHP
	weight	numbers		
Sepia officinalis hierredda	8.84	24	37.46	
Pagellus bellottii	3.68	36	15.59	
Trachious armatus	3,20	60	13.56	
Fistularia petimba	2.76	56	11.69	
Trachinocephalus myops	1.28	8	5.42	
Chelidonichthys lucerna	1.04	16	4.41	
Pseudupeneus prayensis	0.84	12	3.56	
Citharichthys stampflii	0.76	4	3.22	
Priscanthus arenatus	0.56	4	2.37	
Uranoscopus polli	0.52	8	2.20	
Bothus podes africanus	0.12	4	0.51	
Total	23.60	-	99.99	

		PROJ	ECT STATIO	: 82
start stop duration	PE: BT No:6		ION:Lat S Long E	232 910
TIME :10:20:00 10:50:00 30 (min Log :4644.80 4646.30 1.50	Area cod	e :2		
FDEPTH: 77 78 BDEPTH: 77 78	GearCond Validity	code: 1		
	250 m Spe			
Sorted: 20 Kg Total catch:	20.58	CATCH/	THOUR: 4	1.16
SPECIES	CATCH/H weight n	UUR 1.	OF TOT. C	SAMP
Pagellus bellottii Sepia ap.	17.60	724	42.76	
Lepidotrigla carolae Raja miraletus	4.14	274 10	10.06	
Chelidonichthys lucerna Dentex gibbosus	1.78	28	4.32	
Priscanthus Arenatus Dentex congoensis	1.02	8	2.48	
Torpedo torpedo Chelidonichthys gabonensis	0.84 0.78	2	2.04	
Pseudupeneus prayensis Dactylopterus volitans	0.60	8	1.46	
Aricema bondi Spicara alta	0.40 0.16	6 10	0.97	
Fistularia petimba Trachimus armatus	0.16 0.10	2 2	0.39	
Citharus linguatula Boopa boopa	0.04 0.04	2	0.10 0.10	
Dentex angolensis	0.02	2	0.05	
TOLAL	41.06		99.77	
DATE: 29/ 8/94 GEAR TY	PE: PT No:1	PROJ POSITI	ECT STATION	231
start stop duration TIME :11:55:00 12:22:90 27 (min LOG :4651.30 4653.10 1.80			Long E	909
LOG :4651.30 4653.10 1.80 FDEPTH: 45 45 BDEPTH: 79 75	Area cod GearCond Validity	. code :		
BULFIN: /9 /5 Towing dir: 30* Wire out:			*10	
Sorted: Kg Total catch:	0.39	CATCH/	HOUR:	0.87
SPECIES	CATCH/H		OF TOT. C	SAMP
ARGONAUTIDAE	0.80	umbers 2	91.95	
Illex coindetii Trachurus trecae	0.02	27	2.30	
Selene dorsalis	0.02	7	2.30	
Total	0,86		98.85	
	PE: BT No:6	PROJ	ECT STATION	: 84 240
		103444		
start stop duration TIME :14:33:00 15:03:00 30 (min) Purpose	code: 3	Long E	903
TIME :14:33:00 15:03:00 30 (min LOG :4671.80 4673.30 1.50 FDEPTH: 147 149) Purpose Area cod GearCond	code: 3 e : 2 .code:		
TIME :14;33:00 15:03:00 30 (min LOG :4671.80 4673.30 1.50) Purpose Area cod GearCond Validity	code: 3 e : 2 .code: code: 1	Long E	
TIME :14:33:00 15:03:00 30 (min LOG :4671.80 4673.30 1.50 FDEPTH: 147 149 BDEPTH: 147 149	Purpose Area cod GearCond Validity 520 m Spece	code: 3 e : 2 .code: code: 1	Long E *10	
TIME :14:13:00 15:03:00 30 (min LOG :4671:80 4673:30 1.50 FDEPTH: 147 149 BDEPTH: 147 149 Towing dir: J25" Wire out:	Area cod GearCond Validity 520 m Spec 94.58	code: 3 e : 2 .code: code: 1 ed: 30 kn CATCH/	Long E *10	903
TIME :14:13:00 15:03:00 30 (min LOG :4671.80 4573.30 1.50 FDEPTH: 147 149 DDEPTH: 147 149 Towing dir: 325* Wire out: Sorted: 47 Kg Total catch: SPECIES Defice congressis	Area cod GearCond Validity 520 m Spec 94.68 CATCH/HP 62.80	code: 3 code: 2 code: 1 ed: 30 kn CATCH/ OUR 4 umbers 1452	Long E *10 'HOUR: 18 OF TOT. C 33,16	903 9.36
TIME :14:13:00 15:03:00 30 (min LoG :4671.80 4673.30 1.50 FDEPTH: 147 149 DDEPTH: 147 149 Towing dir: 325 Wire out: Sorted: 47 Kg Total catch: SPECIES Defitex congoensis Antigonia capros Aulopus cadenati	Purpose - Area cod GearCond Validity 520 m Spec 94.60 CATCH/H weight m 62.00 59.40 16.12	code: 3 e : 2 code: 1 code: 1 ed: 30 kn CATCH/ OUR % umbers 1452 3336 212	Long E *10 WOUR: 15 OF TOT. C 33.16 31.37 8.51	903 9.36 SAMP
TIME :14:33:00 15:03:00 30 (min LOG :4671.80 4673.30 1.50 FDEPTH: 147 149 DEPTH: 147 149 Towing dir: 325° Wire out: Sorted: 47 Kg Total catch: SPECIES Defice congoensis Antigonia cateros Aulopus cadenati Squatina aculeata Lepidotrigia carolae) Purpose - Area cod Gearcond 520 m Spec 94.68 CATCH/H weight n 62.00 59.40 16.12 15.20 9.64	code: 3 e : 2 .code: 2 code: 1 ed: 30 kn CATCH/ OUTR & umbers 1452 3336 212 4 400	Long E *10 WOUR: 18 OF TOT. C 33.16 31.37 8.51 8.03 5.09	903 9.36 SAMP
TIME :14:33:00 15:03:00 30 (min LOG :4671.80 4673.30 1.50 FDEPTH: 147 149 DEPTH: 147 149 Towing dir: 325' Wire out: Sorted: 47 Kg Total catch: SPECIES Defitex congoensis Antigonia capros Aulopus cadenati Squatina aculeata Lepidotrigia carolae Lepidotrigia carolae Lepidotrigia carolae) Purpose - Area cod Gearcoad 94.68 94.68 CATCH/H weight m 62.00 52.00 16.12 15.20 9.64 7.84 5.24	code: 3 e : 2 .code: code: 1 ed: 30 kn CATCH/ 0UTR % umbers 1452 3336 212 4	Long E *10 WOUR: 18 OF TOT. C 33.16 31.37 8.51 8.03 5.09 4.14 2.77	903 9.36 SAMP
TIME :14:33:00 15:03:00 30 (min LoG :4671.80 4673.30 1.50 FDEPTH: 147 149 DDEPTH: 147 149 Towing dir: J25' Wire out: Sorted: 47 Kg Total cstch: SPECIES Dentex congoensis Antigonia capros Aulopus cadenati Squatina sculeata Lepidotrigla carolae Lepidotrigla carolae Lepidotrigla carolae Lepidotrigla carolae Lepidotrigla carolae Lepidotrigla conclesi Secopsis conchifer Boops boops) Purpose - Area cod GearCond Validity 520 m Spec 94.68 CATCH/19 weight n 62.00 59.40 16.12 15.20 9.64 7.84	code: 3 e : 2 .code: 1 ed: 30 kn CATCH/ OUR % umbers 1452 3336 212 4 400 164 12	Long E *10 WOUR: 18 OF TOT. C 33.16 31.37 8.51 8.03 5.09 4.14 2.77 2.66 1.77	903 9.36 SAMP
TIME :14:33:00 15:03:00 30 (min LOG :4671.80 4673.30 1.50 FDEPTH: 147 149 FDEPTH: 147 149 Towing dir: 325* Wire out: Sorted: 47 Kg Total catch: SPECIES Defitex congoensis Antigonia capros Aulopus cadenati Squatima aculeata Lepidotrigla cadmani Raja miraletus Zeopopis conchifer) Purpose - Area cod GearCond Validity 520 m Spec 94.68 CATCH/H weight 62.80 59.40 16.12 15.20 9.64 7.84 5.04 3.36 3.00 0.68	code: 3 e : 2 .code: code: 1 ed: 30 kn CATCH/ OUR % umbers 1452 3336 212 4 400 164 12 4 60	Long E *10 'HOUR: 18 OF TOT. C 33.16 31.37 8.51 8.03 5.09 4.14 2.77 2.66 1.77 1.58 0.36	903 9.36 SAMP
TIME :14:33:00 15:03:00 30 (min LOG :4671.80 4673.30 1.50 FDEPTH: 147 149 BDEPTH: 147 149 Towing dir: 325* Wire out: Sorted: 47 Kg TOtal catch: SPECIES Defice componiss Antigonia capros Autopus cadenati Squatima sculeata Lepidotrigia cadmani Raja miraletus Zenopsis conchifer Boops boops Spicara alta Illex coindetli Todaropsis eblanae Chelidohichthys lucerna Saurida brasilicensis) Purpose - Area cod GearCond Validity 520 m Spec 94.60 carCit/19 weight m 62.80 59.40 16.12 15.20 9.64 7.84 5.04 3.36 3.00 0.68 0.52 0.44 0.04	code: 3 e : 2 code: 1 code: 1 d: 30 kn CATCH/ 007R % 1452 3336 212 212 212 4 4 00 164 126 36 36 36 28 8	Long E *10 *10 *10 UR: 18 OF TOT. C 33.16 31.37 8.51 8.03 5.09 4.14 2.77 2.66 1.77 1.58 0.36 0.27 0.23 0.02	903 9.36 SAMP
TIME :14:33:00 15:03:00 30 (min LOG :4671.80 4673.30 1.50 FDEPTH: 147 149 BDEPTH: 147 149 Towing dir: 325" Wire out: Sorted: 47 Kg TOtal catch: SPECIES Defice: congoensis Antigonia capros Antigonia capros Specara scata Illex condetli Todaropsis eblance Chelidonichthys lucerna Saurida brasilicensis Anthias anthias) Purpose - Area cod GearCond Validity 520 m Spec 94.60 carCit/19 weight m 62.80 59.40 16.12 15.20 9.64 7.84 5.04 3.36 3.36 0.68 0.52 0.44 0.04 0.04	code: 3 code: 2 code: 1 code: 1 code: 30 kn CATCH/ OUR & 1452 3336 212 4 400 1452 3336 212 4 60 136 36 23 16 23 16 23 212 4 12 4 13 13 13 13 13 14 12 12 13 14 15 12 13 14 15 12 12 14 15 15 15 15 15 15 15 15 15 15	Long E *10 'HOUR: 18 OF TOT. C 33.16 31.37 8.51 8.03 5.09 4.14 2.66 1.77 2.66 1.77 1.58 0.36 0.27 0.22 0.02	903 9.36 SAMP
TIME :14:33:00 15:03:00 30 (min LOG :4671.80 4673.30 1.50 FDEPTH: 147 149 BDEPTH: 147 149 Towing dir: 325* Wire out: Sorted: 47 Kg TOtal catch: SPECIES Defice componiss Antigonia capros Autopus cadenati Squatima sculeata Lepidotrigia cadmani Raja miraletus Zenopsis conchifer Boops boops Spicara alta Illex coindetli Todaropsis eblanae Chelidohichthys lucerna Saurida brasilicensis) Purpose - Area cod GearCond Validity 520 m Spec 94.60 carCit/19 weight m 62.80 59.40 16.12 15.20 9.64 7.84 5.04 3.36 3.00 0.68 0.52 0.44 0.04	code: 3 e : 2 code: 1 code: 1 d: 30 kn CATCH/ 007R % 1452 3336 212 212 212 4 4 00 164 126 36 36 36 28 8	Long E *10 *10 *10 UR: 18 OF TOT. C 33.16 31.37 8.51 8.03 5.09 4.14 2.77 2.66 1.77 1.58 0.36 0.27 0.23 0.02	903 9.36 SAMP
TIME :14:33:00 15:03:00 30 (min LOG :4671.80 4673.30 1.50 FDEPTH: 147 149 BDEPTH: 147 149 Towing dir: 325" Wire out: Sorted: 47 Kg TOtal catch: SPECIES Defice: congoensis Antigonia capros Antigonia capros Specara scata Illex condetli Todaropsis eblance Chelidonichthys lucerna Saurida brasilicensis Anthias anthias) Purpose - Area cod GearCond Validity 520 m Spec 94.60 carCit/19 weight m 62.80 59.40 16.12 15.20 9.64 7.84 5.04 3.36 3.36 0.68 0.52 0.44 0.04 0.04	code: 3 e : 2 code: 1 code: 1 d: 30 kn CATCH/ 007R % 1452 3336 212 212 212 4 4 00 164 126 36 36 36 28 8	Long E *10 'HOUR: 18 OF TOT. C 33.16 31.37 8.51 8.03 5.09 4.14 2.66 1.77 2.66 1.77 1.58 0.36 0.27 0.22 0.02	903 9.36 SAMP
TIME :14:33:00 15:03:00 30 (min LOG :4671.80 4673.30 1.50 FDEPTH: 147 149 BDEPTH: 147 149 Towing dir: 325" Wire out: Sorted: 47 Kg TOtal catch: SPECIES Defice: congoensis Antigonia capros Antigonia capros Specara scata Illex condetli Todaropsis eblance Chelidonichthys lucerna Saurida brasilicensis Anthias anthias) Purpose - Area cod GearCond Validity 520 m Spec 94.60 carCit/19 weight m 62.80 59.40 16.12 15.20 9.64 7.84 5.04 3.36 3.36 0.68 0.52 0.44 0.04 0.04	code: 3 e : 2 code: 1 code: 1 ed: 30 kn CATCH/ OUR 4 unbers 1452 3336 212 4 400 164 12 4 400 136 36 36 8 4	Long E *10 WOUR: 18 OF TOT. C 33.16 31.37 8.03 5.09 4.14 2.77 2.66 1.77 1.58 0.36 0.27 0.23 0.02 99.98	903 9.36 SANP 169
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THE :14:33:00 15:03:00 30 (min LGC :4671.80 4573.30 1.50 FDEFTH: 147 149 EDEFTH: 147 149 Towing dir: 325' Wire out: Sorted: 47 Kg Total catch: SPECIES Dentex congoensis Anlopus cadenati Squatina aculeats Lepidotrigla carolae Lepidotrigla carolae Lepidotrigla carolae Lepidotrigla carolae Chelidobichthys lucerna Saurida brasiliensis Anthias anthias Total DATE: 29/ 8/94 GEAR TY start stop duration TIME :17:09:00 17:39:00 30 (min LGC :4690.80 4592.40 1.60 FDEFTH: 185 177 DDEFTH: 185 177 DOEFTH: 185 177 Sorted: 70 Kg Total catch: SPECIES Illex coindetti Dentex congoensis Autogue cadenati Trichiurus lepturus Antigonis captos Zenopsis conchifer Sorted: 70 Kg Total catch: SPECIES	Purpose - Area cod GearCond Validity 520 m Spect 94.68 CATCH/H weight 520 - 16.12 15.20 9.64 7.84 5.24 5.24 5.24 5.24 5.24 5.24 5.24 5.2	Code: 3 e : 2 code: 1 code: 1 code: 1 code: 1 code: 1 code: 1 code: 1 code: 1 code: 1 1452 3336 212 4 400 1452 212 4 400 1452 3336 3336 36 38 4 4 9 PROJ POSITI code: 3 e : 2 code: 1 code: 3 e : 2 code: 1 code: 3 e : 2 code: 1 152 33 6 8 4 4 9 PROJ 0 CATCH/ 0 0 0 0 0 0 0 0 0 0 0 0 0	Long E *10 HOUR: 18 OF TOT. C 33.16 31.37 8.51 8.03 5.09 4.14 2.77 2.66 1.77 1.58 0.36 0.27 0.23 0.02 99.98 PECT STATION CON:Lat 5 Long E *10 HOUR: 48 OF TOT. C 76.01 6.71 4.50 3.07 1.86 0.33 0.31 0.24 0.14 0.14 0.14 0.14 0.14 0.14 0.14	903 9.36 SANP 169 1: 85 229 857
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THE :14:33:00 15:03:00 30 (min LGC :4671.80 4573.30 1.50 FDEFTH: 147 149 EDEFTH: 147 149 Towing dir: 325' Wire out: Sorted: 47 Kg Total catch: SPECIES Dentex congoensis Antigonia capros Aulopus cadenati Squatina aculeats Lepidotrigla carolae Lepidotrigla carolae Lepidotrigla carolae Chelidonichthys lucerna Saurida brasiliensis Anthias anthias Total DATE: 29/ 8/94 CEAR TT sorted: 47 Kg Total catch: DATE: 29/ 8/94 CEAR TT The coldetti Total DATE: 29/ 8/94 CEAR TT Sorted: 70 Kg Total catch: SPECIES Illex coldetti Dentex congoensis Sorted: 70 Kg Total catch: SPECIES Illex coldetti Dentex congoensis Aulopus cadenati Trichiurus lepturus Antigonia captos Zenopsis conchifer Sorted: 70 Kg Total catch: SPECIES Illex coldetti Dentex congoensis Aulopus cadenati Trichiurus lepturus Antigonia captos Zenopsis conchifer Squalus bisinvillei Todaropsis eblanee Citharus lingutula Kaja miraletus Chalidonichthys gabonensis Spicara alta Aricoms bondi Licearcinus corrugatus Synchicopus phatcon Arnogolosus capensis Anone captos	Purpose - Area cod GearCond Validity 520 m Spect 94.68 CATCH/H weight 520 m 52 0 - 16.12 15.20 9.64 7.84 5.24 5.24 5.24 5.24 5.24 5.24 5.24 5.2	Code: 3 code: 2 code: 1 code: 1 code: 1 code: 1 code: 1 code: 1 code: 1 code: 1 1452	Long E *10 HOUR: 18 OF TOT. C 33.16 31.37 8.51 8.03 5.09 4.14 2.77 2.66 1.77 1.58 0.36 0.27 0.23 0.02 99.98 PECT STATION CON:Lat 5 Long E *10 HOUR: 48 OF TOT. C 76.01 6.71 4.50 3.93 3.07 1.66 0.78 0.46 0.33 0.31 0.24 0.14 0.14 0.14 0.07 0.03	903 9.36 SANP 169 1: 85 229 857
THE :14:33:00 15:03:00 30 (min LGG :4671.80 4573.30 1.50 FDEFTH: 147 149 BDEFTH: 147 149 Towing dir: 325* Wire out: Sorted: 47 Kg Total catch: SPECIES Deftex congoensis Antigonia capros Aulopus cadenati Ggudtina aculeata Lepidotrigla carolae Lepidotrigla carolae Lepidotrigla carolae Chalidonichthys lucerna Saurida brasiliensis Anthias anthias Totai DATE: 29/ 8/94 GEAR TT start stop duration THE :17:09:00 17:39:00 30 (min LGG :4690.80 4692.40 1.60 FDEFTH: 185 177 BOEFTH: 185 177 Sorted: 70 Kg Total catch: SPECIES 11ex colmdetii Dotae cadenati Anthias anthias Totai Defte: 70 Kg Total catch: SPECIES	Purpose Area cod GearCond Validity 520 m Spect 94.60 CATCH/H weight n 659.40 16.12 15.20 9.64 7.84 5.24 0.66 0.52 0.66 0.52 0.66 0.52 0.64 0.04 0.04 109.36 109.36 PE: BT No:6 0.52 0.44 0.04 0.04 0.04 109.36 PE: BT No:6 0.52 0.44 0.04 0.04 0.04 0.04 0.04 0.04 0.0	Code: 3 code: 2 code: 1 code: 1 code: 1 code: 1 code: 1 code: 1 code: 1 1452 3336 1452 3336 1452 3336 16 36 36 16 36 16 36 16 36 16 38 8 8 8 8 8 8 4 4 4 4 4 4 4 4 4 4 4 4 4	Long E *10 *00R: 18 OF TOT. C 33.16 31.37 8.51 8.51 8.51 9.33 4.14 2.77 2.77 2.66 1.77 1.58 0.27 0.23 0.02 0.02 99.99 99.99 *10 *10 *10 *10 *10 CT TOT. C 76.01 6.71 4.50 3.07 1.86 1.78 0.33 0.33 0.31 0.23 0.23 0.02 0.03 0.03 0.3	903 9.36 SANP 169 1: 85 229 857

			PROJE	TT STATI	ON: 85
DATE: 29/ 8/94	GEAR TYPE: 1	PT No:1	POSITIC	N:Lat	5 208
start stop	duration			Long	E 909
TIME :22:24:00 22:44:0) 20 (min) Pr	urpose co	de: 1		
LOG .4738.20 4739.20		rea code			
FDEPTH: 15 15	Ge	earCond.	ode:		
BDEPTH: 43 41	V	alidity c	ode: 1		
Towing dir: 60"				10	
Sorted: 53 Kg T	tal catch: 36	891.30	сатси/н	NUR: 11	673,90
		991.30 Catch/Hou		NUR: 11 F TOT. C	
Sorted: 53 Kg Tr SPDCIES	c	CATCH/HOU			SAMP
SPECIES Chloroscombrus chrysurus	uei:	CATCH/HOU ght num	IR LC		
SPDCIES	(weig 6894	CATCH/HOU ght num 4.00 9	ir ic ibers	F TOT. C	SAMP
SPECIES Chloroscombrus chrysurus	(weig 6894 4710	CATCH/HOU ght num 4.00 9	ir ic abers 13960	F TOT. C	5 SANS

		PROJ	ECT STATIO	1: 87	Priscant Brachyde Grammopl
DATE: 30/ 8/94 CEAR	TYPE: BT No:6	POSITI	ON:Lat S	209	Sphoeroi
start stop duratio	0		Long E	849	Arnoglos
TIME :03:58:00 04:28:00 30 (min) Purpose	code: 3	-		
LOG :4783.80 4785.40 1.60	Area cod	ke ∶2			Total
FDEPTH: 397 400	GearCond	.code:			
BDEPTH: 397 400	Validity				
Towing dir: 345" Wire o	ut:1150 a spe-	ed: 32 km	-10		
Sorted: 38 Kg Total cat	ch: 125.63	CATCH/	HOUR: 25	1.26	
SPECIES	CATCH/H		OF TOT. C	SAMP	
		umbers			
Parapenseopsis atlantics	101.14	18668	40.25		
Aulopus cadenati	83.30	1224	33.15		DATE
Herluceius polli	37.52	182	14.93	172	
Carcharhinus sp.	7.80	2	3.10		TIN
Illex coindetii	3.78	48	1.50		LOG
Nalacocephalus occidentalis	3.42	252	1.36		FDEF
Todaropsis eblanac	3.36	22	1.34		BDET
Epidephelus goreensis Antimora rostrata	2.52	20	0.97		
Brachydeuterus auritus	2.16	62	0.86		Sc
Dibranchus atlanticus	1.46	22	0.58		30
Chascanopsetta lugubris	0.76	14	0.30		
Gadella imberbis	0,76	36	0.30		SPECIES
Cyttopsis roseus	0.28	6	0.11		01 0-1100
Scorpacha angolensis	0.20	48	0.08		Pagellus
CRABS	0.14	6	0.96		Pseudupe
Etmopterus spipax	9.14	14	0.06		Decapter
TETRAODONTIDAE	0.08	20	0.03		Trachuru
			_		Syscium
Total	251.26		99.98		Sepia ap
					Sepia of

			OJECT STAT	
DATE: 30/ 8/94	CEAR TYPE: BT M	io:3 POSI	TION:Lat	5 205
	duration	-	Long	E 854
TIME :07:30:00 08:00:00			3	
LOG :4797.90 4799.40		code :	2	
FDEPTH: 97 98 BDEPTH: 97 98		ond.code:		
		ity code:		
Towing dir: 360	Wire out: 320 m	Speed: 29	KD+10	
Sorted: 60 Rg To	tal catch: 150.	52 CATO	H/HOUR:	301.04
SPECIES		W/HOUR	N OF TOT. C	SAMI
	weight	numbers		
Pagellus bellottii	82.00		27.24	
Boops boops	61.00		20.26	
Deatex gibbosus	46.26		15.37	173
Trachurus trecae	24.50		8.14	
Priscanthus arenatus	18,76		6.23	
Sepia sp.	17.90		5.95	
Ariomma bondi	10.50		3.49	
Dentex barnardi	6.66		2.28	
Raja miraletum	5.60	20	1.86	
Dentex canariensis	5.06		1.68	
Lepidotrigla carolae	4.76		1.58	
Lepidotrigla cadmani	3.80		1.26	
Chelidonichthys lucerna	3,16		1.05	
Anthias anthias	3.16		1.05	
Scorpaena elongata	2.70		0.90	
Illex coindetii	1.36		0.45	
citherus linguatula	1.30		0.43	
Sargocentron hastatus	0.96		0.32	
Pseudupeneus prayensis	0.56		0.19	
Saurida brasiliensis	0.40		0.13	
Grammoplites gruveli	0.30		0.10	
Sphoeroides pachgaster	0.16		0.05	
Chascanopsetta lugubris	0.10	6	0.03	
Total	301.16		100.04	

(; Q)9-					JECT STATI	NG: 89
208	DATE: 30/ 8/94	CEAR TY	PE: BT NO:6	POSIT	ION:Lat :	\$ 202
909	start stop	duration			Long I	g 859
	TIME :08:55:00 09:25:00	30 (±11n)	Purpose	code: 3		
	LOG :4805.30 4805.70	1.40	Area Cod			
	FDEPTH: 70 67		GearCond			
	BDEPTH: 70 67		Validity			
		Wire out:	230 m Spee	d: 29 k	n=10	
3,90	Sort e d: 36 Rg To	tal catch:	72.84	CATCH	/HOUR: 1	145.6B
SAMP	SPECIES		CATCH/H		OF TOT. C	SAMP
	0100100			usbers	0, 101. C	SAR
170	Pagellus bellottii		77.40	1504	53.13	
171	Dentex Congoensis		23.68	1040	16.25	
1.1	Sepia sp.		29.60	112	14.14	
	Tracharus trecae		5.68	28	3,90	
	Lepidotrigla garolar		5.60	272		
	Lepidotrigla cadmani		3.60		3.84	
				128	2.47	
	Sphyraena sphyraena Saurida brasiliensis		2.40		1.65	
			1.20	152	0.82	
	Boops boops	-	1.16	28	0.60	
	Chilomycterus spinosus maure	τ,	1.00	- 4	0.69	
	Pseudupeneus prayensis		0.80	12	0.55	
	Chelidonichthys lucerna		0.72	16	0.49	
	Citherus linguetule		0.68	28	0.47	
	Priscanthus areastus		0.48	12	0.33	
	Brachydeuterus auritus		0.32	4	0.22	
1: 87	Grammoplites gruveli		0,24	8	0.16	
209	Sphoeroides pachgaster		0.08	4	0.05	
849	Arnoglossus imperialis		6.04	4	0.03	
	Total		145.58		99.99	

			PROJ	ECT STATIO	MI: 90
	DATE: 30/ 8/94 GEAR	TYPE: BT No:6	POSITI	ON:Lat S	156
172	start stop duration			Long E	905
	TIME :10:27:00 10:57:00 30 (m.	in) Purpose e	ode: 3		
	LOG :4814.10 4815.60 1.50	Area code			
	FDEPTH: 44 41	GearCond.			
	BDEPTH: 44 41	Validity of			
	Towing dir: 10" Wire out	: 160 m Speed		•10	
	Sorted: 27 Kg Total cate.	h: 55,60	CATCH/	'HOUR: 1	11.36
	-		•		
	SPECIES	CATCH/HO	. 90	OF TOT. C	SAMP
			abers	•• •••	
	Pagellus bellottii	50.20	912	45.08	
	Pseudupeneus prayensis	40.40	612	36.28	
	Decepterus rhonchus	13.40	28	12.03	
	Trachurus trecae	3.28	44	2.95	
	Syscium micrurum	1.60	20	1.44	
	Sepia sp.	0.96	12	0.86	
	Sepia officinalis hierredda	0.80	4	0.72	
	Chelidonichthys lucerna	0.32	4	0.29	
	Boops boops	0.28	4	0.25	
	Toderopsis eblanae	0.12	4	0.11	
	TOLAL	111.36		100.01	

		PROJ	ECT STATI	o#: 91
DATE: 30/ 8/94 GEAR T	TPE: BT No:6	POSITI	DN:LAL :	5 153
start stop duration			Long 1	E 909
TIME :11:53:00 12:23:00 30 (mi)	a) Purpose (code: 3		
LOG :4821.30 4822.90 1.60	Area code	: 2		
FDEPTH: 30 35	GearCond			
BDEPTH: 30 35	Validity	code: 1		
	100 m spec		10	
Sorted: 37 Kg Total catch	94.48	CATCH/I	HOUR:	L 88 .96
SPECIES	САТСН/Ж		о г тот . с	SAMP
		mbers		
Decapterus rhonchus	118.00	266	62.45	174
Pagellus bellottii	40.00	344	21.17	175
Chloroscombrus chrysurus	10.10	136	5.35	
Alectis alexandrinus	9.30	6	4.92	
Rachycentron canadum	3.90	6	2.06	
Psettodes belcheri	2.86	6	1.51	
Sepia officinalis hierredda	2.80	10	1.48	
Selene dorsalis	2.00	26	1.06	
Total	188.96		100.00	

Annex IV Instruments and fishing gear used

Acoustic instruments

The SIMRAD EK500/38 Khz scientific sounder was used during the survey for estimation of fish density. The EK500 has a built- in digital echo integrator, but the Bergen Echo Integrator system (BEI) was used throughout the survey. The details of the instrument settings are as follows:

Tranceiver settings:

Bandwith:	Wide (3.8 Khz)
Pulse length:	Medium (1 ms)
Max Power:	2000 Watt
Sv Transducer gain:	28.1 dB
Ts Transducer gain:	28.1 dB

Printer settings:

Range:	0 - 100 or 0 - 250 m
TVG:	20 log R
Sv Colour min:	- 64 dB

An ES38B with a 6.8° -3dB beamwith transducer was used for integration.

A calibration experiment using a standard copper sphere, performed in Baia dos Tigres 4/6 1994 gave the following results: Sv Transducer gain 28.1 dB, Ts Transducer gain 28.1 dB.

Glossary:

Sv Transducer gain:	Peak transducer gain assumed during computation of volum backscattering strength.
Ts Transducer gain:	Peak transducer gain assumed during computation of target strength.
Sv Colour min:	Lower limit of colour scale relative to Volume back scattering.

Hydrography

Conductivity, temperature, density and oxygen were sampled regularly at CTD stations with a Seabird CTD-sonde. The salinity was calculated by a computer.

Fishing gear

The vessel has two different sized 'Åkrahamn' pelagic trawls and one Gisund super bottom trawl. During the present survey two 7.81 m², 1670kg 'Thyborøn-7' combi-doors were used on all trawls.

The bottom trawl has a headline of 31m, footrope 47m and 20mm meshsize in the codend with an innernett of 10mm meshsize. The estimated headline hight is 5m and distance between wings during towing about 18m. The trawl is equiped with a 12" rubber bobbins gear. The sweeps are 40m long.

The following drawings show the size of these trawls.

