

# Annex IV Records of fishing stations

PROJECT STATION: 363  
 DATE: 2/ 6/94 GEAR TYPE: PT No:7 POSITION:Lat S 2042 Long E 1319  
 start stop duration  
 TIME :09:05:00 09:16:00 11 (min) Purpose code: 1  
 LOG :5150.30 5151.10 0.80 Area code : 3  
 FDEPTH: 15 20 GearCond.code:  
 BDEPTH: 32 32 Validity code:  
 Towing dir: 340\* Wire out: m Speed: 30 kn\*10  
 Sorted: 123 Kg Total catch: 1347.14 CATCH/HOUR: 7348.04

SPECIES	CATCH/HOUR		% OF TOT. C	SAMP. NO.
	weight	numbers		
Etrumeus whiteheadi	5308.64	171158	72.25	998
Trachurus capensis	2038.31	86029	27.74	999
Merluccius capensis, juveniles	12.00	60	0.16	1000
<b>Total</b>	<b>7358.95</b>		<b>100.15</b>	

PROJECT STATION: 368  
 DATE: 3/ 6/94 GEAR TYPE: PT No:7 POSITION:Lat S 1843 Long E 1213  
 start stop duration  
 TIME :05:23:00 05:38:00 15 (min) Purpose code: 1  
 LOG :5334.50 5335.20 0.70 Area code : 3  
 FDEPTH: 10 10 GearCond.code: 1  
 BDEPTH: 32 33 Validity code:  
 Towing dir: 260\* Wire out: 150 m Speed: 37 kn\*10  
 Sorted: 40 Kg Total catch: 238.32 CATCH/HOUR: 953.28

SPECIES	CATCH/HOUR		% OF TOT. C	SAMP. NO.
	weight	numbers		
Engraulis capensis	828.00	164352	86.86	1011
Trachurus, Juveniles	77.52	11872	8.13	1010
Sardinops ocellatus	47.28	7704	4.96	1012
Merluccius capensis, juveniles	0.48	24	0.05	1013
<b>Total</b>	<b>953.28</b>		<b>100.00</b>	

PROJECT STATION: 364  
 DATE: 2/ 6/94 GEAR TYPE: PT No:1 POSITION:Lat S 2013 Long E 1244  
 start stop duration  
 TIME :13:42:00 14:12:00 30 (min) Purpose code: 1  
 LOG :5196.20 5197.90 1.70 Area code : 3  
 FDEPTH: 100 100 GearCond.code:  
 BDEPTH: 126 127 Validity code: 1  
 Towing dir: 113\* Wire out: 450 m Speed: 33 kn\*10  
 Sorted: 61 Kg Total catch: 76.41 CATCH/HOUR: 152.82

SPECIES	CATCH/HOUR		% OF TOT. C	SAMP. NO.
	weight	numbers		
Etrumeus whiteheadi	149.76	3430	98.00	1004
Sardinops ocellatus	2.32	36	1.52	1003
Trachurus capensis	0.40	18	0.26	1001
Merluccius capensis, juveniles	0.24	18	0.16	1002
TRIGLIDAE	0.06	4	0.04	
Lepidopus caudatus	0.04	2	0.03	
<b>Total</b>	<b>152.82</b>		<b>100.01</b>	

PROJECT STATION: 369  
 DATE: 3/ 6/94 GEAR TYPE: BT No:6 POSITION:Lat S 1835 Long E 1135  
 start stop duration  
 TIME :07:45:00 07:55:00 10 (min) Purpose code: 1  
 LOG :5355.20 5355.60 0.40 Area code : 3  
 FDEPTH: 117 117 GearCond.code: 1  
 BDEPTH: 117 117 Validity code:  
 Towing dir: 330\* Wire out: m Speed: 3 kn\*10  
 Sorted: 82 Kg Total catch: 2888.11 CATCH/HOUR: 17328.66

SPECIES	CATCH/HOUR		% OF TOT. C	SAMP. NO.
	weight	numbers		
Trachurus, Juveniles	16635.00	432786	96.00	1014
Dentex macrophthalmus	252.84	2106	1.46	1017
Merluccius capensis, female	238.08	2526	1.37	1016
Merluccius capensis, male	164.34	840	0.95	1015
Trigla lyra	30.00	60	0.17	
Raja miraletus	5.40	36	0.03	
Sufflogobius bibarbatus	2.10	420	0.01	
Ophisurus serpens	0.90	6	0.01	
<b>Total</b>	<b>17328.66</b>		<b>100.00</b>	

PROJECT STATION: 365  
 DATE: 2/ 6/94 GEAR TYPE: PT No:1 POSITION:Lat S 2006 Long E 1233  
 start stop duration  
 TIME :16:18:00 16:48:00 30 (min) Purpose code: 1  
 LOG :5216.50 5218.30 1.80 Area code : 3  
 FDEPTH: 40 30 GearCond.code:  
 BDEPTH: 142 141 Validity code:  
 Towing dir: 110\* Wire out: 300 m Speed: 28 kn\*10  
 Sorted: 39 Kg Total catch: 339.51 CATCH/HOUR: 679.02

SPECIES	CATCH/HOUR		% OF TOT. C	SAMP. NO.
	weight	numbers		
Etrumeus whiteheadi	651.88	22032	96.00	1006
Sardinops ocellatus	25.56	332	3.76	1005
Trachurus capensis	1.58	70	0.23	
<b>Total</b>	<b>679.02</b>		<b>99.99</b>	

PROJECT STATION: 370  
 DATE: 3/ 6/94 GEAR TYPE: PT No:1 POSITION:Lat S 1721 Long E 1141  
 start stop duration  
 TIME :17:37:00 17:52:00 15 (min) Purpose code: 1  
 LOG :5454.40 5455.30 0.90 Area code : 3  
 FDEPTH: 10 5 GearCond.code:  
 BDEPTH: 61 67 Validity code:  
 Towing dir: 310\* Wire out: 200 m Speed: 40 kn\*10  
 Sorted: 16 Kg Total catch: 0.16 CATCH/HOUR: 0.64

SPECIES	CATCH/HOUR		% OF TOT. C	SAMP. NO.
	weight	numbers		
Etrumeus whiteheadi	0.44	8	68.75	1019
Trachurus, Juveniles	0.20	76	31.25	1018
<b>Total</b>	<b>0.64</b>		<b>100.00</b>	

PROJECT STATION: 366  
 DATE: 2/ 6/94 GEAR TYPE: OT No:1 POSITION:Lat S 1945 Long E 1242  
 start stop duration  
 TIME :19:57:00 20:12:00 15 (min) Purpose code: 1  
 LOG :5248.10 5249.10 1.00 Area code : 3  
 FDEPTH: 28 30 GearCond.code:  
 BDEPTH: 94 92 Validity code:  
 Towing dir: 30\* Wire out: 200 m Speed: 30 kn\*10  
 Sorted: Kg Total catch: 36.16 CATCH/HOUR: 144.64

SPECIES	CATCH/HOUR		% OF TOT. C	SAMP. NO.
	weight	numbers		
Trachurus capensis	120.00	6964	82.96	1008
Merluccius capensis, juveniles	16.80	912	11.62	1007
Thyrsites atun	5.72	4	3.95	1009
Etrumeus whiteheadi	1.40	280	0.97	
Trichiurus lepturus	0.72	72	0.50	
<b>Total</b>	<b>144.64</b>		<b>100.00</b>	

PROJECT STATION: 371  
 DATE: 4/ 6/94 GEAR TYPE: PT No:1 POSITION:Lat S 1638 Long E 1136  
 start stop duration  
 TIME :02:00:00 02:02:00 2 (min) Purpose code: 1  
 LOG :529.00 529.30 0.30 Area code : 3  
 FDEPTH: 30 30 GearCond.code: 1  
 BDEPTH: 51 51 Validity code: 3  
 Towing dir: 330\* Wire out: 150 m Speed: 3 kn\*10  
 Sorted: 60 Kg Total catch: 3026.65 CATCH/HOUR: 90799.50

SPECIES	CATCH/HOUR		% OF TOT. C	SAMP. NO.
	weight	numbers		
Engraulis capensis	89925.00	2866500	99.04	1020
Sardinops ocellatus	645.00	16500	0.71	1021
Etrumeus whiteheadi	195.00	6000	0.21	1023
Trachurus, Juveniles	26.70	810	0.03	1022
Myliobatis aquila	7.80	30	0.01	
<b>Total</b>	<b>90799.50</b>		<b>100.00</b>	

PROJECT STATION: 367  
 DATE: 3/ 6/94 GEAR TYPE: PT No:1 POSITION:Lat S 1903 Long E 1209  
 start stop duration  
 TIME :02:24:00 02:30:00 6 (min) Purpose code: 1  
 LOG :5307.60 5307.90 0.30 Area code : 3  
 FDEPTH: 40 50 GearCond.code:  
 BDEPTH: 136 136 Validity code:  
 Towing dir: 310\* Wire out: 200 m Speed: 34 kn\*10  
 Sorted: 15 Kg Total catch: 451.50 CATCH/HOUR: 4515.00

SPECIES	CATCH/HOUR		% OF TOT. C	SAMP. NO.
	weight	numbers		
Trachurus capensis	4515.00	192290	100.00	1009
<b>Total</b>	<b>4515.00</b>		<b>100.00</b>	

PROJECT STATION: 372  
 DATE: 5/ 6/94 GEAR TYPE: PT No:7 POSITION:Lat S 1640 Long E 1145  
 start stop duration  
 TIME :15:04:00 15:14:00 10 (min) Purpose code: 1  
 LOG :5588.40 5588.90 0.50 Area code : 3  
 FDEPTH: 5 5 GearCond.code: 1  
 BDEPTH: 17 18 Validity code:  
 Towing dir: 200\* Wire out: 150 m Speed: 3 kn\*10  
 Sorted: 14 Kg Total catch: 14.60 CATCH/HOUR: 87.60

SPECIES	CATCH/HOUR		% OF TOT. C	SAMP. NO.
	weight	numbers		
Sardinops ocellatus	54.00	624	61.64	1226
Trachurus trecae	18.36	540	20.96	1225
Etrumeus whiteheadi	9.96	294	11.37	1224
Pomatomus saltatrix	2.94	18	3.36	
Spondyliosoma cantharus	2.34	6	2.67	
<b>Total</b>	<b>87.60</b>		<b>100.00</b>	

PROJECT STATION: 373  
 DATE: 5/ 6/94 GEAR TYPE: BT No:6 POSITION:Lat S 1626  
 start stop duration Long E 1141  
 TIME :17:12:00 17:42:00 30 (min) Purpose code: 1  
 LOG :5607.00 5608.50 1.50 Area code : 3  
 FDEPTH: 57 52 GearCond.code:  
 BDEPTH: 57 52 Validity code:  
 Towing dir: 140° Wire out: 250 m Speed: 3 kn\*10  
 Sorted: 112 Kg Total catch: 4500.00 CATCH/HOUR: 9000.00

SPECIES	CATCH/HOUR	% OF TOT. C	SAMP. NO.
	weight numbers		
Trachurus trecae	6555.00 430632	72.83	1027
Merluccius capensis	995.00	11.06	
Dentex macrophthalmus	959.20 34150	10.66	1029
Etrumeus whiteheadi	360.60 8676	4.01	1028
Todarodes sagittatus	82.80 1590	0.92	
Argyrosomus hololepidotus	22.30 160	0.25	
Chelidonichthys capensis	10.98 18	0.12	
Sepia orbignyana	6.96 12	0.08	
Mustelus mustelus	6.20 4	0.07	
Austroglossus microlepis	0.80 80	0.01	
Total	8999.84	100.01	

PROJECT STATION: 378  
 DATE: 6/ 6/94 GEAR TYPE: PT No:1 POSITION:Lat S 1649  
 start stop duration Long E 1139  
 TIME :15:00:00 15:06:00 6 (min) Purpose code: 1  
 LOG :5777.40 5777.50 0.10 Area code : 3  
 FDEPTH: 20 20 GearCond.code:  
 BDEPTH: 33 28 Validity code:  
 Towing dir: 90° Wire out: 150 m Speed: 3 kn\*10  
 Sorted: 17 Kg Total catch: 17.51 CATCH/HOUR: 175.10

SPECIES	CATCH/HOUR	% OF TOT. C	SAMP. NO.
	weight numbers		
Alopias vulpinus	173.50 10	99.09	
Trachurus Juveniles	1.20 408	0.69	1040
Todarodes sagittatus	0.40 10	0.23	
Total	175.10	100.01	

PROJECT STATION: 374  
 DATE: 5/ 6/94 GEAR TYPE: PT No:1 POSITION:Lat S 1601  
 start stop duration Long E 1131  
 TIME :20:10:00 20:25:00 15 (min) Purpose code: 1  
 LOG :5629.90 5630.80 0.90 Area code : 3  
 FDEPTH: 100 100 GearCond.code:  
 BDEPTH: 590 867 Validity code:  
 Towing dir: 360° Wire out: 500 m Speed: 3 kn\*10  
 Sorted: 50 Kg Total catch: 164.63 CATCH/HOUR: 658.52

SPECIES	CATCH/HOUR	% OF TOT. C	SAMP. NO.
	weight numbers		
Trachurus trecae	595.20 3696	90.38	1030
Trichiurus lepturus	24.00 40	3.64	
Hoplostethus melanopus	13.40	2.03	
Synagrops microlepis	9.08	1.38	
Yarrella blackfordi	7.20	1.09	
Todarodes sagittatus	4.80 20	0.73	
Schedophilus huttoni	2.28 4	0.35	
MYCTOPHIDAE	1.44	0.22	
Lestrolepis intermedia	0.48 48	0.07	
Shrimps, small, non comm.	0.48	0.07	
Beryx splendens	0.12 4	0.02	
Nemichthys scolopaceus	0.04 40	0.01	
Total	658.52	99.99	

PROJECT STATION: 379  
 DATE: 6/ 6/94 GEAR TYPE: BT No:6 POSITION:Lat S 17  
 start stop duration Long E 1143  
 TIME :18:10:00 18:30:00 20 (min) Purpose code: 1  
 LOG :5801.40 5802.60 1.20 Area code : 3  
 FDEPTH: 15 14 GearCond.code:  
 BDEPTH: 15 14 Validity code:  
 Towing dir: \* Wire out: 150 m Speed: 36 kn\*10  
 Sorted: 78 Kg Total catch: 1005.15 CATCH/HOUR: 3015.45

SPECIES	CATCH/HOUR	% OF TOT. C	SAMP. NO.
	weight numbers		
Sardinops ocellatus	2331.00 21525	77.30	1043
Engraulis capensis	169.74 14385	5.63	1044
Callorhynchus capensis	112.80 24	3.74	
Galeichthys feliceps	91.35 525	3.03	
Trachurus capensis	82.59 2904	2.74	1041
Atractoscion aequidens	59.70 12	1.98	1046
Mustelus mustelus	51.75 12	1.72	
Etrumeus whiteheadi	50.76 1890	1.68	1042
Raja confundens	34.50 3	1.14	
Thyrssites atun	18.90 42	0.63	1045
Austroglossus microlepis	7.68 48	0.25	
Sepia orbignyana	2.73 3	0.09	
Raja straeleni	1.05 3	0.03	
Diplodus sargus capensis	0.90 3	0.03	
Total	3015.45	99.99	

PROJECT STATION: 375  
 DATE: 5/ 6/94 GEAR TYPE: BT No:6 POSITION:Lat S 1557  
 start stop duration Long E 1142  
 TIME :23:35:00 23:45:00 10 (min) Purpose code: 1  
 LOG :5659.80 5654.20 5.60 Area code : 3  
 FDEPTH: 18 19 GearCond.code:  
 BDEPTH: 18 19 Validity code:  
 Towing dir: 180° Wire out: 150 m Speed: 3 kn\*10  
 Sorted: 27 Kg Total catch: 269.03 CATCH/HOUR: 1614.18

SPECIES	CATCH/HOUR	% OF TOT. C	SAMP. NO.
	weight numbers		
Trachurus trecae	1434.00 40506	88.84	1031
Dentex macrophthalmus	126.00 11040	7.81	
Lithognathus mormyrus	20.40 240	1.26	
Todarodes sagittatus	16.20 120	1.00	
Arius parkii	6.42 12	0.40	
Octopus sp.	6.00 6	0.37	
Bothus podas	1.86 60	0.12	
Trachinus armatus	1.80 60	0.11	
Fistularia sp.	1.20 60	0.07	
Austroglossus microlepis	0.36 60	0.02	
Total	1614.24	100.00	

PROJECT STATION: 380  
 DATE: 6/ 6/94 GEAR TYPE: PT No:7 POSITION:Lat S 1652  
 start stop duration Long E 1142  
 TIME :22:30:00 23:00:00 30 (min) Purpose code: 1  
 LOG :5831.70 833.33 8.37 Area code : 3  
 FDEPTH: 5 5 GearCond.code:  
 BDEPTH: 13 13 Validity code:  
 Towing dir: \* Wire out: 150 m Speed: 3 kn\*10  
 Sorted: 95 Kg Total catch: 10000.00 CATCH/HOUR: 20000.00

SPECIES	CATCH/HOUR	% OF TOT. C	SAMP. NO.
	weight numbers		
Sardinops ocellatus	19671.26 145938	98.36	1047
Engraulis capensis	201.00 15070	1.01	1048
Etrumeus whiteheadi	110.98 4188	0.55	1049
Pagellus bellottii	12.56 210	0.06	
Trigla lyra	4.18 210	0.02	
Total	19999.98	100.00	

PROJECT STATION: 376  
 DATE: 6/ 6/94 GEAR TYPE: PT No:7 POSITION:Lat S 1637  
 start stop duration Long E 1140  
 TIME :09:35:00 10:05:00 30 (min) Purpose code: 1  
 LOG :5742.60 5744.30 1.70 Area code : 3  
 FDEPTH: 10 10 GearCond.code: 2  
 BDEPTH: 13 15 Validity code: 3  
 Towing dir: 343° Wire out: 200 m Speed: 34 kn\*10  
 Sorted: 45 Kg Total catch: 186.53 CATCH/HOUR: 373.06

SPECIES	CATCH/HOUR	% OF TOT. C	SAMP. NO.
	weight numbers		
Diplodus sargus capensis	223.30 1170	59.86	1036
Pomatomus saltatrix	49.18 196	13.18	1037
Lithognathus mormyrus	46.56 218	12.48	1038
Trachurus trecae	46.14 596	12.37	1032
Etrumeus whiteheadi	6.74 118	1.81	1033
Sardinops ocellatus	0.34 14	0.09	1034
Trichiurus lepturus	0.04 2	0.01	
Engraulis capensis	0.04 2	0.01	1035
Total	372.34	99.81	

PROJECT STATION: 381  
 DATE: 7/ 6/94 GEAR TYPE: PT No:7 POSITION:Lat S 1642  
 start stop duration Long E 1140  
 TIME :02:08:00 02:38:00 30 (min) Purpose code: 1  
 LOG :5859.80 5861.00 1.50 Area code : 3  
 FDEPTH: 10 10 GearCond.code:  
 BDEPTH: 21 18 Validity code:  
 Towing dir: 160° Wire out: 150 m Speed: 3 kn\*10  
 Sorted: 15 Kg Total catch: 76.65 CATCH/HOUR: 153.30

SPECIES	CATCH/HOUR	% OF TOT. C	SAMP. NO.
	weight numbers		
Etrumeus whiteheadi	141.00 4330	91.98	1051
Sardinops ocellatus	11.40 190	7.44	1050
Trachurus trecae	1.30 50	0.85	1052
Engraulis capensis	0.60 40	0.39	
Todarodes sagittatus	0.30 10	0.20	
Total	154.60	100.86	

PROJECT STATION: 377  
 DATE: 6/ 6/94 GEAR TYPE: PT No:1 POSITION:Lat S 1641  
 start stop duration Long E 1137  
 TIME :11:35:00 12:05:00 30 (min) Purpose code: 1  
 LOG :5754.80 5756.30 1.50 Area code : 3  
 FDEPTH: 35 35 GearCond.code:  
 BDEPTH: 82 80 Validity code:  
 Towing dir: \* Wire out: 150 m Speed: 35 kn\*10  
 Sorted: 1 Kg Total catch: 0.51 CATCH/HOUR: 1.02

SPECIES	CATCH/HOUR	% OF TOT. C	SAMP. NO.
	weight numbers		
Todarodes sagittatus	0.92 14	90.20	
Trachurus Juveniles	0.10 34	9.80	1039
Total	1.02	100.00	

PROJECT STATION: 382  
 DATE: 7/ 6/94 GEAR TYPE: BT No:6 POSITION:Lat S 1702  
 start stop duration Long E 1140  
 TIME :07:35:00 08:10:00 35 (min) Purpose code: 1  
 LOG :5911.20 913.00 8.20 Area code : 3  
 FDEPTH: 20 21 GearCond.code: 3  
 BDEPTH: 20 21 Validity code:  
 Towing dir: 180° Wire out: 150 m Speed: 4 kn\*10  
 Sorted: 58 Kg Total catch: 417.38 CATCH/HOUR: 715.51

SPECIES	CATCH/HOUR	% OF TOT. C	SAMP. NO.
	weight numbers		
Engraulis capensis	353.83 27792	49.45	1053
Trachurus capensis	130.63 8661	18.26	1054
Etrumeus whiteheadi	95.66 3487	13.37	1055
Heptanchias perlo	31.46 2	4.40	
Callorhynchus capensis	21.51 12	3.01	
Pomatomus saltatrix	21.17 103	2.96	1059
Galeichthys feliceps	13.37 72	1.87	
Diplodus sargus capensis	12.31 27	1.72	
Argyrosomus hololepidotus	10.03 3	1.40	1058
Mustelus mustelus	8.74 3	1.22	
Thyrssites atun	6.69 12	0.93	1056
Chelidonichthys capensis	5.91 7	0.83	
Raja miraletus	1.89 3	0.26	
Todarodes sagittatus	1.29 5	0.18	
Sardinops ocellatus	1.03 82	0.14	1057
Total	715.52	100.00	

PROJECT STATION: 383  
 DATE: 7/ 6/94 GEAR TYPE: BT No:6 POSITION:Lat S 1700  
 start stop duration Long E 1122  
 TIME :12:33:00 12:48:00 15 (min) Purpose code: 1  
 LOG :5941.10 5941.80 0.70 Area code : 3  
 FDEPTH: 133 130 GearCond.code:  
 BDEPTH: 133 130 Validity code:  
 Towing dir: 90° Wire out: 500 m Speed: 3 kn\*10

Sorted: 27 Kg Total catch: 3000.00 CATCH/HOUR: 12000.00

SPECIES	CATCH/HOUR		% OF TOT. C	SAMP. NO.
	weight	numbers		
Trachurus capensis	11996.40	489648	99.97	1060
Mustelus mustelus	14.80	4	0.12	
Merluccius capensis, male	12.16	32	0.10	
Galeus polli	4.00	4	0.03	
Helicolenus dactylopterus	3.52	28	0.03	
Zeus faber	2.96	8	0.02	
Dentex macrophthalmus	0.52	28		
Total	12034.36		100.27	

PROJECT STATION: 388  
 DATE: 9/ 6/94 GEAR TYPE: PT No:6 POSITION:Lat S 1813  
 start stop duration Long E 1150  
 TIME :03:13:00 03:37:00 24 (min) Purpose code: 1  
 LOG :5260.70 6262.00 1.30 Area code : 3  
 FDEPTH: 5 5 GearCond.code:  
 BDEPTH: 33 47 Validity code:  
 Towing dir: 205° Wire out: 150 m Speed: 33 kn\*10

Sorted: 24 Kg Total catch: 25.55 CATCH/HOUR: 63.88

SPECIES	CATCH/HOUR		% OF TOT. C	SAMP. NO.
	weight	numbers		
Engraulis capensis	45.25	8978	70.84	1077
Sardinops ocellatus	9.40	1560	14.72	1076
Etrumeus whiteheadi	4.73	260	7.40	1075
Thyrsites atun	2.73	3	4.27	
Chelidonichthys capensis	1.05	3	1.64	
Todarodes sagittatus	0.48	18	0.75	
Trachurus, Juveniles	0.25	48	0.39	1074
Total	63.89		100.01	

PROJECT STATION: 384  
 DATE: 7/ 6/94 GEAR TYPE: PT No:1 POSITION:Lat S 1700  
 start stop duration Long E 1114  
 TIME :15:05:00 15:35:00 30 (min) Purpose code: 1  
 LOG :5952.70 5954.10 1.40 Area code : 3  
 FDEPTH: 200 200 GearCond.code:  
 BDEPTH: 880 925 Validity code:  
 Towing dir: 270° Wire out: 600 m Speed: 3 kn\*10

Sorted: 1 Kg Total catch: 2.56 CATCH/HOUR: 5.12

SPECIES	CATCH/HOUR		% OF TOT. C	SAMP. NO.
	weight	numbers		
MYCTOPHIDAE	3.32	1156	64.84	1061
Zeus faber	1.72	20	33.59	
LEISEI	0.04	4	0.78	
Trachurus capensis	0.04	16	0.78	
Total	5.12		99.99	

PROJECT STATION: 389  
 DATE: 9/ 6/94 GEAR TYPE: PT No:5 POSITION:Lat S 1800  
 start stop duration Long E 1134  
 TIME :12:00:00 12:36:00 36 (min) Purpose code: 1  
 LOG :6327.20 6329.40 2.20 Area code : 3  
 FDEPTH: 50 50 GearCond.code: 3  
 BDEPTH: 186 180 Validity code: 4  
 Towing dir: 10° Wire out: 250 m Speed: 4 kn\*10

Sorted: 1 Kg Total catch: 3.84 CATCH/HOUR: 6.40

SPECIES	CATCH/HOUR		% OF TOT. C	SAMP. NO.
	weight	numbers		
Trachurus capensis	6.40	737	100.00	1078
Total	6.40		100.00	

PROJECT STATION: 385  
 DATE: 7/ 6/94 GEAR TYPE: PT No:7 POSITION:Lat S 1711  
 start stop duration Long E 1143  
 TIME :20:10:00 20:20:00 10 (min) Purpose code: 1  
 LOG :5996.20 5996.70 0.50 Area code : 3  
 FDEPTH: 10 10 GearCond.code: 1  
 BDEPTH: 23 25 Validity code:  
 Towing dir: 270° Wire out: 150 m Speed: 3 kn\*10

Sorted: 50 Kg Total catch: 708.35 CATCH/HOUR: 4250.10

SPECIES	CATCH/HOUR		% OF TOT. C	SAMP. NO.
	weight	numbers		
Engraulis capensis	2133.60	134400	50.20	1065
Sardinops ocellatus	1810.20	24444	42.59	1063
Etrumeus whiteheadi	145.32	5376	3.42	1064
Trachurus, Juveniles	120.96	4368	2.85	1062
Thyrsites atun	27.90	78	0.66	1066
Galeichthys feliceps	8.46	18	0.20	
Brama brama	3.54	6	0.08	
Lepidopus caudatus	0.12	12		
Total	4250.10		100.00	

PROJECT STATION: 390  
 DATE: 9/ 6/94 GEAR TYPE: PT No:5 POSITION:Lat S 1828  
 start stop duration Long E 1127  
 TIME :19:40:00 20:10:00 30 (min) Purpose code: 1  
 LOG :6379.00 6381.00 2.00 Area code : 3  
 FDEPTH: 0 0 GearCond.code: 3  
 BDEPTH: 313 Validity code:  
 Towing dir: 95° Wire out: m Speed: 3 kn\*10

Sorted: 16 Kg Total catch: 16.75 CATCH/HOUR: 33.50

SPECIES	CATCH/HOUR		% OF TOT. C	SAMP. NO.
	weight	numbers		
MYCTOPHIDAE	20.00	11376	59.70	1079
Ruvettus pretiosus	7.94	2	23.70	
Brama brama	5.08	2	15.16	
Synagrops microlepis	0.24	16	0.72	
Trachurus capensis	0.24	2	0.72	
Total	33.50		100.00	

PROJECT STATION: 386  
 DATE: 8/ 6/94 GEAR TYPE: BT No:6 POSITION:Lat S 1741  
 start stop duration Long E 1141  
 TIME :07:15:00 07:25:00 10 (min) Purpose code: 3  
 LOG :6102.40 6102.90 0.50 Area code : 3  
 FDEPTH: 85 85 GearCond.code:  
 BDEPTH: 85 85 Validity code:  
 Towing dir: \* Wire out: 400 m Speed: 3 kn\*10

Sorted: 50 Kg Total catch: 7000.00 CATCH/HOUR: 42000.00

SPECIES	CATCH/HOUR		% OF TOT. C	SAMP. NO.
	weight	numbers		
Trachurus capensis	40582.20	529548	96.62	1067
Merluccius capensis	1344.48	11550	3.20	1068
Prionace glauca	30.00	6	0.07	
Galeichthys feliceps	14.16	72	0.03	
Chelidonichthys capensis	13.92	72	0.03	
Trigla lyra	10.50	48	0.03	
Thyrsites atun	4.74	6	0.01	
Total	42000.00		99.99	

PROJECT STATION: 391  
 DATE: 10/ 6/94 GEAR TYPE: PT No:1 POSITION:Lat S 1838  
 start stop duration Long E 1202  
 TIME :01:17:00 01:32:00 15 (min) Purpose code: 1  
 LOG :6425.40 6426.30 0.90 Area code : 3  
 FDEPTH: 20 25 GearCond.code:  
 BDEPTH: 67 74 Validity code:  
 Towing dir: 290° Wire out: 150 m Speed: 4 kn\*10

Sorted: 16 Kg Total catch: 1001.13 CATCH/HOUR: 4004.52

SPECIES	CATCH/HOUR		% OF TOT. C	SAMP. NO.
	weight	numbers		
Trachurus capensis	4000.00		99.89	1080
Merluccius capensis	4.52	56	0.11	1081
Total	4004.52		100.00	

PROJECT STATION: 387  
 DATE: 8/ 6/94 GEAR TYPE: PT No:1 POSITION:Lat S 1734  
 start stop duration Long E 1143  
 TIME :18:30:00 18:59:00 29 (min) Purpose code: 3  
 LOG :6188.70 6190.60 1.90 Area code : 3  
 FDEPTH: 16 15 GearCond.code: 1  
 BDEPTH: 36 46 Validity code:  
 Towing dir: 100° Wire out: 150 m Speed: 37 kn\*10

Sorted: 51 Kg Total catch: 412.96 CATCH/HOUR: 854.40

SPECIES	CATCH/HOUR		% OF TOT. C	SAMP. NO.
	weight	numbers		
Engraulis capensis	229.55		26.87	1073
Etrumeus whiteheadi	216.52		25.34	1072
Trachurus, Juveniles	157.14		18.39	1071
Sardinops ocellatus	116.59		13.65	1069
Argyrosomus hololepidotus	63.62	12	7.45	1070
Chelidonichthys capensis	21.31	31	2.49	
Mustelus mustelus	20.69	2	2.42	
Galeichthys feliceps	20.57	101	2.41	
Merluccius capensis	4.66	174	0.55	
Thyrsites atun	3.04	6	0.36	
S H R I M P S	0.00			
Total	853.69		99.93	

PROJECT STATION: 392  
 DATE: 10/ 6/94 GEAR TYPE: PT No:1 POSITION:Lat S 1857  
 start stop duration Long E 1223  
 TIME :08:57:00 09:27:00 30 (min) Purpose code: 1  
 LOG :6482.00 6483.90 1.90 Area code : 3  
 FDEPTH: 25 25 GearCond.code:  
 BDEPTH: 57 67 Validity code:  
 Towing dir: 295° Wire out: 200 m Speed: 38 kn\*10

Sorted: 17 Kg Total catch: 210.00 CATCH/HOUR: 420.00

SPECIES	CATCH/HOUR		% OF TOT. C	SAMP. NO.
	weight	numbers		
Trachurus capensis	420.00	26544	100.00	1082
Total	420.00		100.00	

PROJECT STATION: 393  
 DATE: 10/ 6/94 GEAR TYPE: PT No:5 POSITION:Lat S 1925  
 start stop duration Long E 1155  
 TIME :20:27:00 20:57:00 30 (min) Purpose code: 1  
 LOG :6577.60 6579.60 2.00 Area code : 3  
 FDEPTH: 53 54 GearCond.code:  
 BDEPTH: 300 302 Validity code:  
 Towing dir: 200° Wire out: m Speed: 4 kn\*10

Sorted: 5 Kg Total catch: 122.31 CATCH/HOUR: 244.62

SPECIES	CATCH/HOUR		% OF TOT. C	SAMP. NO.
	weight	numbers		
Trachurus, Juveniles	240.00	8190	98.11	1083
Thyrsites atun	4.20	4	1.72	1084
Todarodes sagittatus	0.42	2	0.17	
Total	244.62		100.00	

PROJECT STATION: 394  
 DATE: 11/6/94 GEAR TYPE: PT No:5 POSITION: Lat S 1927 Long E 1214  
 start stop duration  
 TIME :01:07:00 01:37:00 30 (min) Purpose code: 1  
 LOG :6605.20 6607.30 1.90 Area code : 3  
 FDEPTH: 30 35 GearCond.code:  
 BDEPTH: 180 172 Validity code:  
 Towing dir: 360° Wire out: 200 m Speed: 43 kn\*10  
 Sorted: 13 Kg Total catch: 624.06 CATCH/HOUR: 1248.12

SPECIES	CATCH/HOUR		% OF TOT. C	SAMP. NO.
	weight	numbers		
Trachurus capensis	1200.00	43898	96.14	1085
Thyrssites atun	47.70	44	3.82	
Todarodes sagittatus	0.42	2	0.03	
Total	1248.12		99.99	

PROJECT STATION: 395  
 DATE: 11/6/94 GEAR TYPE: PT No:1 POSITION: Lat S 1919 Long E 1237  
 start stop duration  
 TIME :05:23:00 05:33:00 10 (min) Purpose code: 1  
 LOG :6639.60 6640.20 0.60 Area code : 3  
 FDEPTH: 12 12 GearCond.code:  
 BDEPTH: 48 50 Validity code:  
 Towing dir: 314° Wire out: 1504 m Speed: 43 kn\*10  
 Sorted: 23 Kg Total catch: 23.70 CATCH/HOUR: 142.20

SPECIES	CATCH/HOUR		% OF TOT. C	SAMP. NO.
	weight	numbers		
Trachurus, Juveniles	78.00	9834	54.85	1086
Engraulis capensis	60.50	4236	42.62	1087
Merluccius capensis, juveniles	2.76	96	1.94	1088
Etrumeus whiteheadi	0.48	84	0.34	1089
Sardinops ocellatus	0.36	54	0.25	1090
Total	142.20		100.00	

PROJECT STATION: 396  
 DATE: 11/6/94 GEAR TYPE: PT No:1 POSITION: Lat S 1905 Long E 1230  
 start stop duration  
 TIME :07:50:00 08:20:00 30 (min) Purpose code: 1  
 LOG :6660.00 6662.10 2.10 Area code : 3  
 FDEPTH: 10 20 GearCond.code: 1  
 BDEPTH: 23 34 Validity code:  
 Towing dir: 152° Wire out: 150 m Speed: 42 kn\*10  
 Sorted: 24 Kg Total catch: 178.05 CATCH/HOUR: 356.10

SPECIES	CATCH/HOUR		% OF TOT. C	SAMP. NO.
	weight	numbers		
Engraulis capensis	286.20	17172	80.37	1091
Alopias vulpinus	42.76	2	12.01	
Sardinops ocellatus	13.66	172	3.84	1092
Etrumeus whiteheadi	8.16	756	2.29	1095
Thyrssites atun	2.68	2	0.75	
Trachurus, Juveniles	2.28	240	0.64	1093
Merluccius capensis, juveniles	0.24	12	0.07	1094
Lepidopus caudatus	0.12	12	0.03	
Total	356.10		100.00	

PROJECT STATION: 397  
 DATE: 11/6/94 GEAR TYPE: BT No:6 POSITION: Lat S 1903 Long E 1227  
 start stop duration  
 TIME :10:06:40 10:06:40 (min) Purpose code: 1  
 LOG :6678.00 6678.50 0.50 Area code : 3  
 FDEPTH: 51 48 GearCond.code: 8  
 BDEPTH: 51 48 Validity code:  
 Towing dir: 12° Wire out: 300 m Speed: 3 kn\*10  
 Sorted: 18 Kg Total catch: 107.45 CATCH/HOUR: 6447.00

SPECIES	CATCH/HOUR		% OF TOT. C	SAMP. NO.
	weight	numbers		
Trachurus capensis	6363.00	340440	98.70	1096
Merluccius capensis	42.00	1680	0.65	1097
COBIIDAE	25.20	3360	0.39	1098
SOLEIDAE	16.80	420	0.26	
Total	6447.00		100.00	

PROJECT STATION: 398  
 DATE: 11/6/94 GEAR TYPE: PT No:1 POSITION: Lat S 1913 Long E 1229  
 start stop duration  
 TIME :13:09:00 13:39:00 30 (min) Purpose code: 1  
 LOG :6696.30 6698.00 1.70 Area code : 3  
 FDEPTH: 20 40 GearCond.code:  
 BDEPTH: 78 87 Validity code:  
 Towing dir: 300° Wire out: 200 m Speed: 35 kn\*10  
 Sorted: 29 Kg Total catch: 600.00 CATCH/HOUR: 1200.00

SPECIES	CATCH/HOUR		% OF TOT. C	SAMP. NO.
	weight	numbers		
Trachurus capensis	1200.00	201532	100.00	1099
Total	1200.00		100.00	

PROJECT STATION: 399  
 DATE: 12/6/94 GEAR TYPE: PT No:1 POSITION: Lat S 1939 Long E 1247  
 start stop duration  
 TIME :03:43:00 03:58:00 15 (min) Purpose code: 1  
 LOG :6753.20 6754.20 1.00 Area code : 3  
 FDEPTH: 20 15 GearCond.code:  
 BDEPTH: 48 57 Validity code:  
 Towing dir: 290° Wire out: 150 m Speed: 4 kn\*10  
 Sorted: 18 Kg Total catch: 90.38 CATCH/HOUR: 361.52

SPECIES	CATCH/HOUR		% OF TOT. C	SAMP. NO.
	weight	numbers		
Trachurus capensis	177.80	17780	49.18	1101
Engraulis capensis	145.40	9268	40.22	1102
Merluccius capensis	19.60	660	5.42	1100
Etrumeus whiteheadi	10.20	1260	2.82	1104
Trigla lyra	6.00	60	1.66	
Galeichthys feliceps	2.12	4	0.59	
Sardinops ocellatus	0.40	60	0.11	1103
Total	361.52		100.00	

PROJECT STATION: 400  
 DATE: 12/6/94 GEAR TYPE: PT No:1 POSITION: Lat S 1946 Long E 1246  
 start stop duration  
 TIME :06:10:00 06:34:00 24 (min) Purpose code: 1  
 LOG :6773.50 6774.70 1.20 Area code : 3  
 FDEPTH: 37 41 GearCond.code: 1  
 BDEPTH: 79 89 Validity code:  
 Towing dir: 288° Wire out: 300 m Speed: 3 kn\*10  
 Sorted: 30 Kg Total catch: 10002.89 CATCH/HOUR: 25007.23

SPECIES	CATCH/HOUR		% OF TOT. C	SAMP. NO.
	weight	numbers		
Trachurus, Juveniles	25000.00	993150	99.97	1105
Thyrssites atun	7.23	5	0.03	1106
Total	25007.23		100.00	

PROJECT STATION: 401  
 DATE: 12/6/94 GEAR TYPE: PT No:1 POSITION: Lat S 1951 Long E 1255  
 start stop duration  
 TIME :08:55:00 09:25:00 30 (min) Purpose code: 1  
 LOG :6792.00 6793.80 1.80 Area code : 3  
 FDEPTH: 10 10 GearCond.code:  
 BDEPTH: 24 26 Validity code:  
 Towing dir: 330° Wire out: 100 m Speed: 36 kn\*10  
 Sorted: 21 Kg Total catch: 242.67 CATCH/HOUR: 485.34

SPECIES	CATCH/HOUR		% OF TOT. C	SAMP. NO.
	weight	numbers		
Trachurus, Juveniles	357.70	28222	73.70	1107
Engraulis capensis	100.54	7392	20.72	1108
Etrumeus whiteheadi	14.96	1518	3.08	1109
Sardinops ocellatus	7.94	418	1.45	1110
Pomatomus saltatrix	5.10	2	1.05	1111
Total	485.34		100.00	

PROJECT STATION: 402  
 DATE: 12/6/94 GEAR TYPE: PT No:5 POSITION: Lat S 2001 Long E 1207  
 start stop duration  
 TIME :17:28:00 17:52:00 24 (min) Purpose code: 1  
 LOG :6862.40 6863.40 1.00 Area code : 3  
 FDEPTH: 100 85 GearCond.code: 8  
 BDEPTH: 287 285 Validity code: 9  
 Towing dir: 151° Wire out: 450 m Speed: 33 kn\*10  
 Sorted: Kg Total catch: CATCH/HOUR:

SPECIES	CATCH/HOUR		% OF TOT. C	SAMP. NO.
	weight	numbers		
Total				

PROJECT STATION: 403  
 DATE: 13/6/94 GEAR TYPE: BT No:1 POSITION: Lat S 2028 Long E 1210  
 start stop duration  
 TIME :00:16:00 00:31:00 15 (min) Purpose code: 1  
 LOG :6908.30 6909.10 0.80 Area code : 3  
 FDEPTH: 327 327 GearCond.code:  
 BDEPTH: 327 327 Validity code:  
 Towing dir: 331° Wire out: 1200 m Speed: 35 kn\*10  
 Sorted: 29 Kg Total catch: 238.47 CATCH/HOUR: 953.88

SPECIES	CATCH/HOUR		% OF TOT. C	SAMP. NO.
	weight	numbers		
Merluccius capensis, female	386.20	412	40.49	1117
Merluccius capensis, male	184.80	228	19.37	1116
Chlorophthalmus atlanticus	164.64	5704	17.26	1112
Helicolenus dactylopterus	158.88	4916	16.66	1113
Galeus polli	23.28	264	2.44	
Merluccius paradoxus, female	12.84	48	1.35	1115
RAJIDAE	10.52	8	1.10	
Lophius upsicephalus	7.44	24	0.78	
C R A B S	2.16	48	0.23	
Nezumia sp	1.68	120	0.18	
MYCTOPHIDAE	0.72	192	0.08	
Merluccius paradoxus, male	0.48	4	0.05	1114
ATHAA00	0.24	48	0.03	
Total	953.88		100.02	

PROJECT STATION: 404  
 DATE:13/ 6/94 GEAR TYPE: PT No:1 POSITION:Lat S 2028  
 start stop duration Long E 1242  
 TIME :04:16:00 04:21:00 5 (min) Purpose code: 1  
 LOG :6943.20 6943.40 0.20 Area code : 3  
 FDEPTH: 70 70 GearCond.code:  
 BDEPTH: 169 180 Validity code:  
 Towing dir: 300° Wire out: 300 m Speed: 35 kn\*10  
 Sorted: 9 Kg Total catch: 148.67 CATCH/HOUR: 1784.04

SPECIES	CATCH/HOUR		% OF TOT. C	SAMP.NO.
	weight	numbers		
Trachurus capensis	1674.00	35688	93.83	1118
Brama brama	43.80	24	2.46	
Thyrssites atun	26.64	12	1.49	
Merluccius capensis, juveniles	23.40	1800	1.31	1119
Etrumeus whiteheadi	9.00	180	0.50	
Engraulis capensis	7.20	540	0.40	1120
Total	1784.04		99.99	

PROJECT STATION: 409  
 DATE:13/ 6/94 GEAR TYPE: PT No:2 POSITION:Lat S 2014  
 start stop duration Long E 1311  
 TIME :21:25:00 21:58:00 33 (min) Purpose code: 1  
 LOG :7089.80 7091.50 1.70 Area code : 3  
 FDEPTH: 0 0 GearCond.code:  
 BDEPTH: 18 22 Validity code:  
 Towing dir: 320° Wire out: 100 m Speed: 33 kn\*10  
 Sorted: 20 Kg Total catch: 424.45 CATCH/HOUR: 771.73

SPECIES	CATCH/HOUR		% OF TOT. C	SAMP.NO.
	weight	numbers		
Engraulis capensis	345.55	19473	44.78	1136
Trachurus capensis	118.36	1413	15.34	1133
Sardinops ocellatus	82.47	2367	10.69	1134
Merluccius capensis, juveniles	75.98	267	9.85	1138
Trachurus, Juveniles	74.07	7293	9.60	1137
Etrumeus whiteheadi	67.20	5536	8.71	1135
Diplodus sargus capensis	8.09	7	1.05	1139
Total	771.72		100.02	

PROJECT STATION: 405  
 DATE:13/ 6/94 GEAR TYPE: PT No:7 POSITION:Lat S 2018  
 start stop duration Long E 1312  
 TIME :09:30:00 10:00:00 30 (min) Purpose code: 1  
 LOG :6992.40 6994.10 1.70 Area code : 3  
 FDEPTH: 10 10 GearCond.code: 1  
 BDEPTH: 19 17 Validity code:  
 Towing dir: 150° Wire out: 200 m Speed: 34 kn\*10  
 Sorted: 25 Kg Total catch: 364.76 CATCH/HOUR: 729.52

SPECIES	CATCH/HOUR		% OF TOT. C	SAMP.NO.
	weight	numbers		
Engraulis capensis	497.00	37268	68.13	1123
Sardinops ocellatus	166.60	8400	22.84	1121
Etrumeus whiteheadi	56.28	3192	7.71	1122
Diplodus sargus capensis	6.02	6	0.83	1125
Trachurus capensis	2.28	24	0.31	1124
Todarodes sagittatus	1.02	2	0.14	
Helicolenus dactylopterus	0.18	30	0.02	
PORTUNIDAE	0.14	24	0.02	
Total	729.52		100.00	

PROJECT STATION: 410  
 DATE:14/ 6/94 GEAR TYPE: PT No:1 POSITION:Lat S 2020  
 start stop duration Long E 1302  
 TIME :01:20:00 01:35:00 15 (min) Purpose code: 1  
 LOG :7106.60 7107.20 0.60 Area code : 3  
 FDEPTH: 55 55 GearCond.code:  
 BDEPTH: 96 94 Validity code:  
 Towing dir: 60° Wire out: 200 m Speed: 28 kn\*10  
 Sorted: 9 Kg Total catch: 83.03 CATCH/HOUR: 332.12

SPECIES	CATCH/HOUR		% OF TOT. C	SAMP.NO.
	weight	numbers		
Trachurus capensis	306.00	15520	92.14	1140
Merluccius paradoxus	14.76	720	4.44	
Chelidonichthys capensis	6.68	12	2.01	
Etrumeus whiteheadi	4.68	144	1.41	
Total	332.12		100.00	

PROJECT STATION: 411  
 DATE:14/ 6/94 GEAR TYPE: PT No:1 POSITION:Lat S 2038  
 start stop duration Long E 1315  
 TIME :05:37:00 05:52:00 15 (min) Purpose code: 1  
 LOG :7143.80 7144.90 1.10 Area code : 3  
 FDEPTH: 10 22 GearCond.code:  
 BDEPTH: 63 72 Validity code:  
 Towing dir: 295° Wire out: 100 m Speed: 4 kn\*10  
 Sorted: 29 Kg Total catch: 146.10 CATCH/HOUR: 584.40

SPECIES	CATCH/HOUR		% OF TOT. C	SAMP.NO.
	weight	numbers		
Etrumeus whiteheadi	572.00	26480	97.88	1141
Sardinops ocellatus	6.00	180	1.03	1144
Engraulis capensis	3.20	180	0.55	1143
Trachurus, Juveniles	3.20	700	0.55	1142
Total	584.40		100.01	

PROJECT STATION: 412  
 DATE:20/10/45 GEAR TYPE: PT No:1 POSITION:Lat S 2037  
 start stop duration Long E 1316  
 TIME :06:57:00 07:14:00 17 (min) Purpose code: 1  
 LOG :7151.10 7152.10 1.00 Area code : 3  
 FDEPTH: 17 19 GearCond.code:  
 BDEPTH: 41 47 Validity code:  
 Towing dir: 324° Wire out: 150 m Speed: 3 kn\*10  
 Sorted: 23 Kg Total catch: 945.38 CATCH/HOUR: 3336.64

SPECIES	CATCH/HOUR		% OF TOT. C	SAMP.NO.
	weight	numbers		
Etrumeus whiteheadi	2837.65	138353	85.05	1146
Sardinops ocellatus	264.00	37694	7.91	1148
Engraulis capensis	194.82	30212	5.84	1145
Trachurus, Juveniles	31.06	2541	0.93	1147
Merluccius capensis, juveniles	2.82	141	0.08	1149
TRIGLIDAE	2.75	4	0.08	
Galeichthys feliceps	2.12	4	0.06	
Trachurus capensis	1.41	141	0.04	
Total	3336.63		99.99	

PROJECT STATION: 407  
 DATE:13/ 6/94 GEAR TYPE: PT No:1 POSITION:Lat S 2006  
 start stop duration Long E 1259  
 TIME :14:19:00 14:39:00 20 (min) Purpose code: 1  
 LOG :7025.50 7026.70 1.20 Area code : 3  
 FDEPTH: 30 45 GearCond.code: 2  
 BDEPTH: 62 66 Validity code:  
 Towing dir: 292° Wire out: 200 m Speed: 32 kn\*10  
 Sorted: 11 Kg Total catch: 46.36 CATCH/HOUR: 139.08

SPECIES	CATCH/HOUR		% OF TOT. C	SAMP.NO.
	weight	numbers		
Etrumeus whiteheadi	83.76	2964	60.22	1130
Trachurus capensis	54.00	7104	38.83	1131
Sardinops ocellatus	1.08	24	0.78	
Merluccius capensis, juveniles	0.24	12	0.17	
Total	139.08		100.00	

PROJECT STATION: 413  
 DATE:14/ 6/94 GEAR TYPE: BT No:6 POSITION:Lat S 2059  
 start stop duration Long E 1326  
 TIME :11:45:00 11:55:00 10 (min) Purpose code: 1  
 LOG :7196.70 7197.20 0.50 Area code : 3  
 FDEPTH: 32 35 GearCond.code:  
 BDEPTH: 32 35 Validity code:  
 Towing dir: 286° Wire out: 200 m Speed: 3 kn\*10  
 Sorted: 43 Kg Total catch: 2000.00 CATCH/HOUR: 12000.00

SPECIES	CATCH/HOUR		% OF TOT. C	SAMP.NO.
	weight	numbers		
Trachurus capensis	4911.00	191892	40.93	1153
Engraulis capensis	4711.80	91418	39.27	1150
Callorhynchus capensis	1041.60	540	8.68	
Argyrosomus hololepidotus	424.80	126	3.54	
Sardinops ocellatus	320.40	46800	2.67	1152
Chelidonichthys capensis	188.40	1344	1.57	
Galeichthys feliceps	180.60	540	1.51	
Etrumeus whiteheadi	172.20	25036	1.44	1151
Merluccius capensis, juveniles	45.60	2154	0.38	
GOBIIDAE	3.00	540	0.03	
Total	11999.40		100.02	

PROJECT STATION: 408  
 DATE:13/ 6/94 GEAR TYPE: BT No:1 POSITION:Lat S 2004  
 start stop duration Long E 1253  
 TIME :16:40:00 16:55:00 15 (min) Purpose code: 1  
 LOG :7043.70 7044.50 0.80 Area code : 3  
 FDEPTH: 91 87 GearCond.code:  
 BDEPTH: 91 87 Validity code:  
 Towing dir: 65° Wire out: 350 m Speed: 34 kn\*10  
 Sorted: 14 Kg Total catch: 144.60 CATCH/HOUR: 578.40

SPECIES	CATCH/HOUR		% OF TOT. C	SAMP.NO.
	weight	numbers		
Trachurus capensis	568.00	25244	98.20	1132
Merluccius capensis, juveniles	9.60	320	1.66	
GOBIIDAE juvenile	0.80	280	0.14	
Total	578.40		100.00	

PROJECT STATION: 414  
 DATE:14/ 6/94 GEAR TYPE: BT No:6 POSITION:Lat S 2059  
 start stop duration Long E 1258  
 TIME :16:48:00 17:03:00 15 (min) Purpose code: 1  
 LOG :7231.20 7231.90 0.70 Area code : 3  
 FDEPTH: 171 171 GearCond.code:  
 BDEPTH: 171 171 Validity code:  
 Towing dir: 300° Wire out: 600 m Speed: 36 kn\*10

Sorted: 49 Kg Total catch: 2463.65 CATCH/HOUR: 9854.60

SPECIES	CATCH/HOUR		% OF TOT. C	SAMP. NO.
	weight	numbers		
Trachurus capensis	8880.00	188400	90.11	1154
Merluccius capensis	968.00	17800	9.82	1155
Sufflogobius bibarbat	4.00	1200	0.04	
Dentex macropthalmus	1.92	8	0.02	
Austroglossus microlepis	0.68	4	0.01	
Total	9854.60		100.00	

PROJECT STATION: 415  
 DATE:14/ 6/94 GEAR TYPE: BT No:6 POSITION:Lat S 2059  
 start stop duration Long E 1246  
 TIME :20:30:00 21:00:00 30 (min) Purpose code: 1  
 LOG :7256.80 7258.50 1.70 Area code : 3  
 FDEPTH: 319 314 GearCond.code: 1  
 BDEPTH: 319 314 Validity code:  
 Towing dir: 353° Wire out: 1200 m Speed: 34 kn\*10

Sorted: 6 Kg Total catch: 150.76 CATCH/HOUR: 301.52

SPECIES	CATCH/HOUR		% OF TOT. C	SAMP. NO.
	weight	numbers		
Merluccius capensis, female	147.20	282	48.82	1157
Merluccius capensis, male	50.60	114	16.78	1156
Epigonus denticulatus	33.60	1032	11.14	
Lophius upsicephalus	30.60		10.15	
Trachurus capensis	11.36	64	3.77	1158
Galeus polli	10.72	176	3.56	
Coelorinchus fasciatus	8.16	312	2.71	
Todarodes sagittatus	4.02	6	1.33	
Nezumia leonis	1.76	168	0.58	
Dentex macropthalmus	1.72	6	0.57	
Austroglossus microlepis	1.04	4	0.34	
Pterothrissus bellocci	0.34	4	0.11	
Helicolenus dactylopterus	0.24	24	0.08	
Solenocera africana	0.16	72	0.05	
Total	301.52		99.99	

PROJECT STATION: 416  
 DATE:15/ 6/94 GEAR TYPE: BT No:6 POSITION:Lat S 2059  
 start stop duration Long E 1253  
 TIME :03:26:00 03:56:00 30 (min) Purpose code: 1  
 LOG :7285.60 7286.80 1.40 Area code : 3  
 FDEPTH: 256 249 GearCond.code:  
 BDEPTH: 256 249 Validity code:  
 Towing dir: 360° Wire out: 249 m Speed: 34 kn\*10

Sorted: 54 Kg Total catch: 146.19 CATCH/HOUR: 292.38

SPECIES	CATCH/HOUR		% OF TOT. C	SAMP. NO.
	weight	numbers		
Merluccius capensis	140.40	780	48.02	1162
Trachurus capensis	109.80	704	37.55	1160
Dentex macropthalmus	35.20	138	12.04	1161
Pterothrissus bellocci	2.50	86	0.86	
Sufflogobius bibarbat	1.92	816	0.66	1159
Nezumia leonis	1.34	58	0.46	
Trigla lyra	0.90	6	0.31	
Galeus polli	0.32	10	0.11	
Total	292.38		100.01	

PROJECT STATION: 417  
 DATE:15/ 6/94 GEAR TYPE: PT No:1 POSITION:Lat S 2102  
 start stop duration Long E 1253  
 TIME :05:23:00 05:38:00 15 (min) Purpose code: 1  
 LOG :7292.60 7293.30 0.70 Area code : 2  
 FDEPTH: 180 150 GearCond.code:  
 BDEPTH: 268 272 Validity code:  
 Towing dir: 180° Wire out: 500 m Speed: 28 kn\*10

Sorted: 1 Kg Total catch: 0.76 CATCH/HOUR: 3.04

SPECIES	CATCH/HOUR		% OF TOT. C	SAMP. NO.
	weight	numbers		
Merluccius capensis, juveniles	2.20	72	72.37	1165
Synagrops microlepis	0.36	144	11.84	1163
Sufflogobius bibarbat	0.24	52	7.89	1164
Trachurus, Juveniles	0.08	28	2.63	1166
Squalus megalops	0.08	4	2.63	
MYCTOPHIDAE	0.04	8	1.32	1167
Total	3.00		98.68	

PROJECT STATION: 418  
 DATE:15/ 6/94 GEAR TYPE: PT No:1 POSITION:Lat S 2117  
 start stop duration Long E 1252  
 TIME :07:55:00 08:30:00 35 (min) Purpose code: 1  
 LOG :7310.30 7312.00 1.70 Area code : 2  
 FDEPTH: 185 180 GearCond.code:  
 BDEPTH: 299 300 Validity code:  
 Towing dir: 360° Wire out: 600 m Speed: 32 kn\*10

Sorted: Kg Total catch: CATCH/HOUR:

SPECIES	CATCH/HOUR		% OF TOT. C	SAMP. NO.
	weight	numbers		
Total				

PROJECT STATION: 419  
 DATE:15/ 6/94 GEAR TYPE: PT No:1 POSITION:Lat S 2113  
 start stop duration Long E 1252  
 TIME :13:24:00 13:29:00 5 (min) Purpose code: 1  
 LOG :7340.20 7340.30 0.10 Area code : 2  
 FDEPTH: 210 180 GearCond.code:  
 BDEPTH: 296 297 Validity code:  
 Towing dir: 180° Wire out: 600 m Speed: 34 kn\*10

Sorted: 1 Kg Total catch: 8.70 CATCH/HOUR: 104.40

SPECIES	CATCH/HOUR		% OF TOT. C	SAMP. NO.
	weight	numbers		
MYCTOPHIDAE	92.04	35820	88.16	1169
Trachurus capensis	12.36	132	11.84	1168
Total	104.40		100.00	

PROJECT STATION: 420  
 DATE:15/ 6/94 GEAR TYPE: BT No:6 POSITION:Lat S 2112  
 start stop duration Long E 1252  
 TIME :14:18:00 14:33:00 15 (min) Purpose code: 1  
 LOG :7342.90 7343.40 0.50 Area code : 2  
 FDEPTH: 299 299 GearCond.code:  
 BDEPTH: 299 299 Validity code:  
 Towing dir: 360° Wire out: 900 m Speed: 32 kn\*10

Sorted: 31 Kg Total catch: 31.87 CATCH/HOUR: 127.48

SPECIES	CATCH/HOUR		% OF TOT. C	SAMP. NO.
	weight	numbers		
Merluccius capensis	82.60	252	64.79	1172
Nezumia sp.	13.20	604	10.35	1175
Trachurus capensis	6.40	36	5.02	1170
Lophius upsicephalus	4.48	20	3.51	
Galeus polli	4.36	104	3.42	
Sufflogobius bibarbat	3.40	760	2.67	1173
Austroglossus microlepis	2.28	4	1.79	
Chlorophthalmus punctatus	2.24	216	1.76	1174
Neoharriotta pinnata	2.00	4	1.57	
Small squids	0.88	8	0.69	
Dentex macropthalmus	0.88	4	0.69	
CONGRIDAE	0.56	12	0.44	
Synagrops microlepis	0.44	56	0.35	
Trigla lyra	0.32	4	0.25	
Trachurus, Juveniles	0.04	28	0.03	1171
MYCTOPHIDAE	0.00	8		
Pterothrissus bellocci	0.00	8		
Total	124.08		97.33	

PROJECT STATION: 421  
 DATE:15/ 6/94 GEAR TYPE: PT No:2 POSITION:Lat S 2130  
 start stop duration Long E 1334  
 TIME :21:55:00 22:25:00 30 (min) Purpose code: 1  
 LOG :7398.00 7399.50 1.50 Area code : 2  
 FDEPTH: 0 0 GearCond.code:  
 BDEPTH: 95 99 Validity code:  
 Towing dir: 270° Wire out: 200 m Speed: 3 kn\*10

Sorted: 2 Kg Total catch: 7.56 CATCH/HOUR: 15.12

SPECIES	CATCH/HOUR		% OF TOT. C	SAMP. NO.
	weight	numbers		
Engraulis capensis	9.92	2304	65.61	1180
Trachurus, Juveniles	4.88	1208	32.28	1176
Sufflogobius bibarbat	0.08	8	0.53	1181
MYCTOPHIDAE	0.08	24	0.53	1179
Sardinops ocellatus	0.08	128	0.53	1178
Merluccius capensis, juveniles	0.08	40	0.53	1177
Total	15.12		100.01	

PROJECT STATION: 422  
 DATE:16/ 6/94 GEAR TYPE: PT No:7 POSITION:Lat S 2110  
 start stop duration Long E 1332  
 TIME :01:29:00 01:39:00 10 (min) Purpose code: 1  
 LOG :7427.70 7428.00 0.30 Area code : 2  
 FDEPTH: 5 5 GearCond.code:  
 BDEPTH: 34 35 Validity code:  
 Towing dir: 165° Wire out: 150 m Speed: 33 kn\*10

Sorted: 8 Kg Total catch: 40.70 CATCH/HOUR: 244.20

SPECIES	CATCH/HOUR		% OF TOT. C	SAMP. NO.
	weight	numbers		
Trachurus capensis	76.20	6162	31.20	1185
Etrumeus whiteheadi	69.90	8928	28.62	1182
Sardinops ocellatus	64.20	10836	26.29	1184
Galeichthys feliceps	16.20	30	6.63	
Engraulis capensis	12.90	2550	5.28	1183
Chelidonichthys capensis	2.70	210	1.11	
Merluccius paradoxus	1.80	90	0.74	
Sufflogobius bibarbat	0.30	30	0.12	
Total	244.20		99.99	

PROJECT STATION: 423  
 DATE:16/ 6/94 GEAR TYPE: PT No:7 POSITION:Lat S 2104  
 start stop duration Long E 1330  
 TIME :02:41:00 02:51:00 10 (min) Purpose code: 1  
 LOG :7434.80 7435.30 0.50 Area code : 2  
 FDEPTH: 10 10 GearCond.code:  
 BDEPTH: 25 25 Validity code:  
 Towing dir: 342° Wire out: 150 m Speed: 34 kn\*10

Sorted: 1 Kg Total catch: 1.28 CATCH/HOUR: 7.68

SPECIES	CATCH/HOUR		% OF TOT. C	SAMP. NO.
	weight	numbers		
Galeichthys feliceps	3.49	7	45.44	
Etrumeus whiteheadi	3.36	144	43.75	1186
Merluccius capensis, juveniles	0.42	18	5.47	
Engraulis capensis	0.18	18	2.34	
Chelidonichthys capensis	0.18	6	2.34	
Galeus polli	0.06	6	0.78	
Total	7.69		100.12	

PROJECT STATION: 424  
 DATE: 16/ 6/94 GEAR TYPE: BT No:6 POSITION: Lat S 2112 Long E 1332  
 start stop duration  
 TIME :05:15:00 05:30:00 15 (min) Purpose code: 1  
 LOG :7456.60 7457.40 0.80 Area code : 2  
 FDEPTH: 45 49 GearCond.code:  
 BDEPTH: 45 49 Validity code:  
 Towing dir: 45° Wire out: 49 m Speed: 33 kn\*10  
 Sorted: Kg Total catch: 0.20 CATCH/HOUR: 0.80

SPECIES	CATCH/HOUR		% OF TOT. C	SAMP. NO.
	weight	numbers		
Trachurus capensis	0.60	80	75.00	1187
Etrumeus whiteheadi	0.20	8	25.00	1188
Total	0.80		100.00	

PROJECT STATION: 425  
 DATE: 16/ 6/94 GEAR TYPE: PT No:1 POSITION: Lat S 2129 Long E 1344  
 start stop duration  
 TIME :08:35:00 08:57:00 22 (min) Purpose code: 1  
 LOG :7484.90 7486.40 1.50 Area code : 2  
 FDEPTH: 10 15 GearCond.code:  
 BDEPTH: 41 47 Validity code:  
 Towing dir: 300° Wire out: 100 m Speed: 3 kn\*10  
 Sorted: 42 Kg Total catch: 172.01 CATCH/HOUR: 469.12

SPECIES	CATCH/HOUR		% OF TOT. C	SAMP. NO.
	weight	numbers		
Etrumeus whiteheadi	459.71	11782	97.99	1190
Sardinops ocellatus	8.73	120	1.86	1189
Trigla lyra	0.22	22	0.05	1191
Merluccius capensis, juveniles	0.22	33	0.05	1192
Galeichthys feliceps	0.14	3	0.03	
Trachurus, Juveniles	0.11	11	0.02	
Total	469.13		100.00	

PROJECT STATION: 426  
 DATE: 16/ 6/94 GEAR TYPE: PT No:2 POSITION: Lat S 2206 Long E 1407  
 start stop duration  
 TIME :15:03:00 15:20:00 17 (min) Purpose code: 1  
 LOG :7545.90 7546.70 0.80 Area code : 2  
 FDEPTH: 5 15 GearCond.code:  
 BDEPTH: 37 34 Validity code:  
 Towing dir: 360° Wire out: 200 m Speed: 33 kn\*10  
 Sorted: 1 Kg Total catch: 11.07 CATCH/HOUR: 39.07

SPECIES	CATCH/HOUR		% OF TOT. C	SAMP. NO.
	weight	numbers		
Chelidonichthys capensis	26.72	1493	68.39	
Trachurus capensis	6.56	1098	16.79	
Galeichthys feliceps	2.26	4	5.78	
Engraulis capensis	1.69	469	4.33	1195
Etrumeus whiteheadi	1.02	42	2.61	1193
Sardinops ocellatus	0.53	88	1.36	1194
Merluccius capensis, juveniles	0.11	21	0.28	
Sufflogobius bibarbatatus	0.11	7	0.28	
ARGENTINIDAE	0.07	18	0.18	
Total	39.07		100.00	

PROJECT STATION: 427  
 DATE: 16/ 6/94 GEAR TYPE: BT No:6 POSITION: Lat S 2242 Long E 1426  
 start stop duration  
 TIME :21:20:00 21:32:00 12 (min) Purpose code: 1  
 LOG :7601.00 7601.60 0.60 Area code : 2  
 FDEPTH: 35 33 GearCond.code:  
 BDEPTH: 35 33 Validity code:  
 Towing dir: 340° Wire out: 100 m Speed: 3 kn\*10  
 Sorted: Kg Total catch: 3.00 CATCH/HOUR: 15.00

SPECIES	CATCH/HOUR		% OF TOT. C	SAMP. NO.
	weight	numbers		
Sufflogobius bibarbatatus	10.00	1000	66.67	
Trachurus, Juveniles	5.00	500	33.33	
Total	15.00		100.00	

PROJECT STATION: 428  
 DATE: 17/ 6/94 GEAR TYPE: PT No:7 POSITION: Lat S 2309 Long E 1425  
 start stop duration  
 TIME :03:42:00 03:47:00 5 (min) Purpose code: 1  
 LOG :7657.30 7657.50 0.20 Area code : 2  
 FDEPTH: 5 5 GearCond.code:  
 BDEPTH: 22 22 Validity code:  
 Towing dir: 210° Wire out: 150 m Speed: 28 kn\*10  
 Sorted: 8 Kg Total catch: 69.99 CATCH/HOUR: 839.88

SPECIES	CATCH/HOUR		% OF TOT. C	SAMP. NO.
	weight	numbers		
Engraulis capensis	586.80	15660	69.87	1197
Trachurus capensis	114.00	19512	13.57	1198
Etrumeus whiteheadi	95.28	47664	11.34	1196
Sardinops ocellatus	37.20	16920	4.43	1199
Merluccius capensis, juveniles	5.52	984	0.66	
TRIGLIDAE	1.08	552	0.13	
Total	839.88		100.00	

PROJECT STATION: 429  
 DATE: 17/ 6/94 GEAR TYPE: BT No:6 POSITION: Lat S 2327 Long E 1424  
 start stop duration  
 TIME :08:03:00 08:10:00 7 (min) Purpose code: 1  
 LOG :7688.90 7689.20 0.30 Area code : 2  
 FDEPTH: 33 33 GearCond.code:  
 BDEPTH: 33 33 Validity code:  
 Towing dir: 348° Wire out: 250 m Speed: 3 kn\*10  
 Sorted: 1 Kg Total catch: 19.09 CATCH/HOUR: 163.63

SPECIES	CATCH/HOUR		% OF TOT. C	SAMP. NO.
	weight	numbers		
Callorhynchus capensis	94.29	86	57.62	
Mustelus palumbes	20.57	9	12.57	
Chelidonichthys capensis	18.00	51	11.00	
Merluccius capensis, juveniles	13.37	617	8.17	1200
Trachurus, Juveniles	12.34	900	7.54	1201
Sufflogobius bibarbatatus	4.89	643	2.99	
Austroglossus microlepis	0.09	9	0.06	
Small squids	0.00	51		
Shrimps, small, non comm.	0.00	26		
Total	163.55		99.95	

PROJECT STATION: 430  
 DATE: 17/ 6/94 GEAR TYPE: BT No:6 POSITION: Lat S 2319 Long E 1424  
 start stop duration  
 TIME :09:00:00 09:10:00 10 (min) Purpose code: 1  
 LOG :7705.50 7705.90 0.40 Area code : 2  
 FDEPTH: 47 50 GearCond.code: 8  
 BDEPTH: 47 50 Validity code:  
 Towing dir: 338° Wire out: 200 m Speed: 3 kn\*10  
 Sorted: 7 Kg Total catch: 54.53 CATCH/HOUR: 327.18

SPECIES	CATCH/HOUR		% OF TOT. C	SAMP. NO.
	weight	numbers		
Trachurus, Juveniles	96.84	16056	29.60	1202
Merluccius capensis, juveniles	80.64	900	24.65	1204
Sufflogobius bibarbatatus	58.68		17.94	
Callorhynchus capensis	50.10	30	15.31	
Etrumeus whiteheadi	28.80	4536	8.80	1203
Chelidonichthys capensis	8.52	30	2.60	
Small squids	3.24	1368	0.99	
Sardinops ocellatus	0.36	36	0.11	
Total	327.18		100.00	

PROJECT STATION: 431  
 DATE: 17/ 6/94 GEAR TYPE: PT No:7 POSITION: Lat S 2339 Long E 1427  
 start stop duration  
 TIME :18:22:00 18:41:00 19 (min) Purpose code: 1  
 LOG :1190.70 7791.60 0.90 Area code : 2  
 FDEPTH: 5 5 GearCond.code:  
 BDEPTH: 26 22 Validity code:  
 Towing dir: 30° Wire out: 100 m Speed: 28 kn\*10  
 Sorted: 1 Kg Total catch: 1.71 CATCH/HOUR: 5.40

SPECIES	CATCH/HOUR		% OF TOT. C	SAMP. NO.
	weight	numbers		
Engraulis capensis	2.40	600	44.44	1206
Trachurus, Juveniles	1.77	316	32.78	1205
Sardinops ocellatus	0.57	32	10.56	
Small squids	0.22	120	4.07	
Etrumeus whiteheadi	0.19	88	3.52	
Sufflogobius bibarbatatus	0.09	63	1.67	
Chelidonichthys capensis	0.06	63	1.11	
Merluccius capensis, juveniles	0.03	13	0.56	
Total	5.33		98.71	

PROJECT STATION: 432  
 DATE: 18/ 6/94 GEAR TYPE: PT No:7 POSITION: Lat S 2455 Long E 1446  
 start stop duration  
 TIME :06:35:00 07:05:00 30 (min) Purpose code: 1  
 LOG :7913.80 7914.80 1.00 Area code : 2  
 FDEPTH: 0 0 GearCond.code:  
 BDEPTH: 24 28 Validity code:  
 Towing dir: 330° Wire out: 125 m Speed: 2 kn\*10  
 Sorted: 3 Kg Total catch: 6.20 CATCH/HOUR: 12.40

SPECIES	CATCH/HOUR		% OF TOT. C	SAMP. NO.
	weight	numbers		
Etrumeus whiteheadi	9.12	1488	73.55	1207
Trachurus, Juveniles	3.16	592	25.48	1208
Engraulis capensis	0.08	12	0.65	
Merluccius capensis, juveniles	0.04	4	0.32	
Small squids	0.04	4	0.32	
Total	12.44		100.32	

PROJECT STATION: 433  
 DATE: 18/ 6/94 GEAR TYPE: BT No:6 POSITION: Lat S 2507 Long E 1450  
 start stop duration  
 TIME :09:08:00 09:39:00 31 (min) Purpose code: 1  
 LOG :7932.80 7934.50 1.70 Area code : 1  
 FDEPTH: 17 16 GearCond.code: 2  
 BDEPTH: 17 16 Validity code: 4  
 Towing dir: 10° Wire out: 100 m Speed: 34 kn\*10  
 Sorted: 9 Kg Total catch: 253.74 CATCH/HOUR: 491.11

SPECIES	CATCH/HOUR	% OF TOT. C	SAMP. NO.
	weight numbers		
Chelidonichthys capensis	154.84 310	31.53	
Thyrsites atun	79.55 283	16.20	1210
Lithognathus aureti	74.52 37	15.17	1212
Shrimps, small, non comm.	52.65 35110	10.72	
Trachurus, Juveniles	50.71 2981	10.33	1213
Etrumeus whiteheadi	33.68 4065	6.86	1209
Small squids	14.32 7161	2.92	
Merluccius capensis	10.84 503	2.21	1211
Engraulis capensis	10.45 1471	2.13	1214
Hyperoglyphe moselii	4.94 4	1.01	
Sardinops ocellatus	2.32 426	0.47	
Austroglossus microlepis	1.16 39	0.24	
Trichurus lepturus	0.75 2	0.15	
Sufflogobius bibarbatatus	0.39 271	0.08	
Total	491.12	100.02	

PROJECT STATION: 437  
 DATE: 20/ 6/94 GEAR TYPE: BT No:6 POSITION: Lat S 2258 Long E 1309  
 start stop duration  
 TIME :16:00:00 16:36:00 36 (min) Purpose code: 2  
 LOG :8398.40 8400.00 1.60 Area code : 2  
 FDEPTH: 299 293 GearCond.code: 5  
 BDEPTH: 299 293 Validity code: 5  
 Towing dir: 360° Wire out: 940 m Speed: 30 kn\*10  
 Sorted: 94 Kg Total catch: 232.10 CATCH/HOUR: 386.83

SPECIES	CATCH/HOUR	% OF TOT. C	SAMP. NO.
	weight numbers		
Merluccius paradoxus, female	141.38 543	36.55	1221
Trachurus capensis	101.43 188	26.22	1220
Merluccius paradoxus, male	53.07 83	13.72	1222
Helicolenus dactylopterus	28.95 765	7.48	1223
Nezumia leonis	13.20 360	3.41	
Brama brama	12.60 8	3.26	1224
Galeus polli	8.85 293	2.29	
Lophius upsicephalus	6.78 2	1.75	
Todarodes sagittatus	6.60 23	1.71	
Epigonus denticulatus	5.70 263	1.47	
Squalus megalops	3.23 8	0.83	
CHLOROPHTHALMIDAE	3.08 120	0.80	
PORTUNIDAE	1.95 60	0.50	
Total	386.82	99.99	

PROJECT STATION: 434  
 DATE: 19/ 6/94 GEAR TYPE: BT No:6 POSITION: Lat S 2501 Long E 1425  
 start stop duration  
 TIME :09:42:00 09:52:00 10 (min) Purpose code: 1  
 LOG :8140.80 8141.30 0.50 Area code : 1  
 FDEPTH: 120 120 GearCond.code: 2  
 BDEPTH: 120 120 Validity code: 2  
 Towing dir: 115° Wire out: 500 m Speed: 3 kn\*10  
 Sorted: 3 Kg Total catch: 30.82 CATCH/HOUR: 184.92

SPECIES	CATCH/HOUR	% OF TOT. C	SAMP. NO.
	weight numbers		
Merluccius capensis, juveniles	180.00 4896	97.34	1215
Sufflogobius bibarbatatus	3.00 3600	1.62	
MYCTOPHIDAE	1.20 600	0.65	
Trachurus, Juveniles	0.72 72	0.39	
Total	184.92	100.00	

PROJECT STATION: 438  
 DATE: 20/ 6/94 GEAR TYPE: BT No:6 POSITION: Lat S 2248 Long E 1310  
 start stop duration  
 TIME :23:10:00 23:40:00 30 (min) Purpose code: 1  
 LOG :8410.60 8412.10 1.50 Area code : 2  
 FDEPTH: 313 313 GearCond.code: 1  
 BDEPTH: 313 313 Validity code: 2  
 Towing dir: 355° Wire out: 900 m Speed: 36 kn\*10  
 Sorted: 205 Kg Total catch: 446.22 CATCH/HOUR: 892.44

SPECIES	CATCH/HOUR	% OF TOT. C	SAMP. NO.
	weight numbers		
Merluccius capensis, female	455.60 436	51.05	1228
Merluccius capensis, male	202.40 300	22.68	1227
Merluccius paradoxus, female	61.20 340	6.86	1226
Helicolenus dactylopterus	52.40 1320	5.87	1229
Trachurus capensis	28.08 70	3.15	1230
Todarodes sagittatus	24.72 36	2.77	
Nezumia leonis	24.64 262	2.76	
Lophius upsicephalus	20.30 28	2.27	
CHLOROPHTHALMIDAE	9.46 378	1.06	
Galeus polli	8.12 204	0.91	
Epigonus denticulatus	3.08 162	0.35	
Merluccius paradoxus, male	2.36 16	0.26	1225
Merluccius capensis, juveniles	0.08 8	0.01	
Total	892.44	100.00	

PROJECT STATION: 435  
 DATE: 19/ 6/94 GEAR TYPE: PT No:1 POSITION: Lat S 2423 Long E 1342  
 start stop duration  
 TIME :15:21:00 15:31:00 10 (min) Purpose code: 1  
 LOG :8194.10 8194.50 0.40 Area code : 2  
 FDEPTH: 150 150 GearCond.code: 2  
 BDEPTH: 325 324 Validity code: 2  
 Towing dir: 313° Wire out: 500 m Speed: 3 kn\*10  
 Sorted: 2 Kg Total catch: 2.00 CATCH/HOUR: 12.00

SPECIES	CATCH/HOUR	% OF TOT. C	SAMP. NO.
	weight numbers		
MYCTOPHIDAE	12.00	100.00	
Total	12.00	100.00	

PROJECT STATION: 439  
 DATE: 21/ 6/94 GEAR TYPE: PT No:2 POSITION: Lat S 2306 Long E 1424  
 start stop duration  
 TIME :09:18:00 09:29:00 11 (min) Purpose code: 1  
 LOG :8492.70 8493.40 0.70 Area code : 1  
 FDEPTH: 10 10 GearCond.code: 2  
 BDEPTH: 26 28 Validity code: 2  
 Towing dir: 340° Wire out: 100 m Speed: 3 kn\*10  
 Sorted: 17 Kg Total catch: 153.13 CATCH/HOUR: 835.25

SPECIES	CATCH/HOUR	% OF TOT. C	SAMP. NO.
	weight numbers		
Trachurus, Juveniles	417.27 88020	49.96	1232
Etrumeus whiteheadi	287.18 76336	34.38	1231
Engraulis capensis	80.51 11967	9.64	1234
Thyrsites atun	21.82 5	2.61	
Sardinops ocellatus	21.60 3976	2.59	1233
TRIGLIDAE	4.42 2553	0.53	
Sufflogobius bibarbatatus	1.47 393	0.18	
Small squids	0.98 393	0.12	
Total	835.25	100.01	

PROJECT STATION: 436  
 DATE: 19/ 6/94 GEAR TYPE: BT No:6 POSITION: Lat S 2400 Long E 1319  
 start stop duration  
 TIME :19:32:00 20:02:00 30 (min) Purpose code: 1  
 LOG :8229.60 8231.00 1.40 Area code : 2  
 FDEPTH: 321 325 GearCond.code: 1  
 BDEPTH: 321 325 Validity code: 2  
 Towing dir: 330° Wire out: 1200 m Speed: 28 kn\*10  
 Sorted: 126 Kg Total catch: 611.35 CATCH/HOUR: 1222.70

SPECIES	CATCH/HOUR	% OF TOT. C	SAMP. NO.
	weight numbers		
Merluccius capensis, female	682.00 824	55.78	1218
Helicolenus dactylopterus	185.00 3020	15.13	
Merluccius capensis, male	120.00 224	9.81	1219
Merluccius paradoxus, female	98.80 352	8.08	1216
Lophius upsicephalus	48.70 32	3.98	
Coelorinchus fasciatus	25.20 880	2.06	
Galeus polli	13.40 300	1.10	
Solenocera africana	10.00	0.82	
Nezumia leonis	9.80 640	0.80	
Epigonus denticulatus	5.60 180	0.46	
PORTUNIDAE	5.20 320	0.43	
Lepidopus caudatus	3.70 8	0.30	
Merluccius paradoxus, male	3.20 8	0.26	1217
Genypteris capensis	2.94 6	0.24	
Todarodes sagittatus	2.58 4	0.21	
Coelorinchus coelorhinc. polli	2.00 20	0.16	
MYCTOPHIDAE	2.00 240	0.16	
Schedophilus huttoni	1.26 2	0.10	
Trachurus capensis	0.92 4	0.08	
Austroglossus microlepis	0.40 6	0.03	
Total	1222.70	99.99	

PROJECT STATION: 440  
 DATE: 21/ 6/94 GEAR TYPE: PT No:5 POSITION: Lat S 2253 Long E 1409  
 start stop duration  
 TIME :16:29:00 16:34:00 5 (min) Purpose code: 1  
 LOG :8549.90 8550.10 0.20 Area code : 2  
 FDEPTH: 70 70 GearCond.code: 2  
 BDEPTH: 112 110 Validity code: 2  
 Towing dir: 304° Wire out: 250 m Speed: 35 kn\*10  
 Sorted: Kg Total catch: 0.80 CATCH/HOUR: 9.60

SPECIES	CATCH/HOUR	% OF TOT. C	SAMP. NO.
	weight numbers		
Sufflogobius bibarbatatus	6.00 3312	62.50	1235
Merluccius capensis, juveniles	2.04 948	21.25	1236
Trachurus, Juveniles	1.20 372	12.50	1237
Small squids	0.36 36	3.75	
Total	9.60	100.00	



PROJECT STATION: 441  
 DATE: 22/ 6/94 GEAR TYPE: PT No:1 POSITION: Lat S 2212  
 start stop duration Long E 1300  
 TIME :01:03:00 01:23:00 20 (min) Purpose code: 1  
 LOG :8635.50 8636.60 1.10 Area code : 2  
 FDEPTH: 150 150 GearCond.code:  
 BDEPTH: 280 285 Validity code:  
 Towing dir: 311\* Wire out: 500 m Speed: 33 kn\*10  
 Sorted: Kg Total catch: 0.75 CATCH/HOUR: 2.25

SPECIES	CATCH/HOUR		% OF TOT. C	SAMP. NO.
	weight	numbers		
Merluccius capensis, juveniles	1.44	36	64.00	1238
Trachurus capensis	0.81	9	36.00	
Total	2.25		100.00	

PROJECT STATION: 442  
 DATE: 22/ 6/94 GEAR TYPE: BT No:6 POSITION: Lat S 2200  
 start stop duration Long E 1353  
 TIME :10:10:00 10:45:00 35 (min) Purpose code: 1  
 LOG :8717.00 8718.50 1.50 Area code : 2  
 FDEPTH: 78 78 GearCond.code:  
 BDEPTH: 78 78 Validity code:  
 Towing dir: 90\* Wire out: 240 m Speed: 3 kn\*10  
 Sorted: Kg Total catch: CATCH/HOUR:

SPECIES	CATCH/HOUR		% OF TOT. C	SAMP. NO.
	weight	numbers		
Total				

PROJECT STATION: 443  
 DATE: 22/ 6/94 GEAR TYPE: PT No:1 POSITION: Lat S 2144  
 start stop duration Long E 1333  
 TIME :17:44:00 17:48:00 4 (min) Purpose code: 1  
 LOG :8782.80 8783.10 0.30 Area code : 2  
 FDEPTH: 10 10 GearCond.code:  
 BDEPTH: 114 114 Validity code:  
 Towing dir: 270\* Wire out: 150 m Speed: 41 kn\*10  
 Sorted: Kg Total catch: 0.19 CATCH/HOUR: 2.85

SPECIES	CATCH/HOUR		% OF TOT. C	SAMP. NO.
	weight	numbers		
Merluccius capensis, juveniles	2.70	1605	94.74	1240
Trachurus, Juveniles	0.15	30	5.26	1239
Total	2.85		100.00	

PROJECT STATION: 444  
 DATE: 22/ 6/94 GEAR TYPE: PT No:2 POSITION: Lat S 2143  
 start stop duration Long E 1322  
 TIME :19:00:00 19:10:00 10 (min) Purpose code: 1  
 LOG :8786.00 8786.60 0.70 Area code : 2  
 FDEPTH: 5 5 GearCond.code:  
 BDEPTH: 116 112 Validity code:  
 Towing dir: 32\* Wire out: 150 m Speed: 4 kn\*10  
 Sorted: Kg Total catch: 0.07 CATCH/HOUR: 0.42

SPECIES	CATCH/HOUR		% OF TOT. C	SAMP. NO.
	weight	numbers		
Merluccius capensis, juveniles	0.24	102	57.14	1242
Trachurus, Juveniles	0.18	72	42.86	1241
Total	0.42		100.00	

PROJECT STATION: 445  
 DATE: 23/ 6/94 GEAR TYPE: PT No:7 POSITION: Lat S 2213  
 start stop duration Long E 1354  
 TIME :00:15:00 00:30:00 15 (min) Purpose code: 1  
 LOG :8832.80 8833.70 0.90 Area code : 2  
 FDEPTH: 10 10 GearCond.code:  
 BDEPTH: 98 98 Validity code:  
 Towing dir: 324\* Wire out: 150 m Speed: 41 kn\*10  
 Sorted: 6 Kg Total catch: 119.00 CATCH/HOUR: 476.00

SPECIES	CATCH/HOUR		% OF TOT. C	SAMP. NO.
	weight	numbers		
Etrumeus whiteheadi	260.80	61768	54.79	1244
Engraulis capensis	176.00	18972	36.97	1243
Trachurus capensis	34.40	1360	7.23	1246
Merluccius capensis, juveniles	2.40	1520	0.50	1247
Sardinops ocellatus	2.40	1520	0.50	1245
Total	476.00		99.99	



## Annex V Biomass and numbers

Total biomass (tonnes) of pilchard, *Sardinops ocellatus*, and total number per 1 cm length class ( in millions) per area.

Area	Baía dos Tigres	16°40-17°15	17°15-17°45	18°00-21°00	23°00-23°30
Size of the Area (nm <sup>2</sup> )	35.4	166.7	99	668	144
Mean Sa value (m <sup>2</sup> /nm <sup>2</sup> )	14432	3530	756	46	
Total biomass (tonnes)	108325	131190	16206	3127	712
No. per length class (millions):					78
7					97
8			5	48	14
9			34	144	34
10		3	9	82	37
11		5	7	4	
12		8	7	1	
13		6	1	15	
14			1	47	
15				11	
16			1	3	
17			2	1	
18		1	2		
19		1	5		
20	53	1	16		
21	552	127	52		
22	539	450	45		
23	184	553	33		
24	39	261	16		
25		22	8		
26		8	2		
27		3	1		
Sum	1367	1449	247	356	260

Total biomass (tonnes) of round herring, *Etrumeus whiteheadi*, and total number per 1 cm length class (in millions) per area.

Area	16°40-17°15	17°15-19°15	19°50-21°	23°00-25°15
Size of the Area (nm <sup>2</sup> )	128	328	645	869
Mean Sa value (m <sup>2</sup> /nm <sup>2</sup> )	109	50	648	
Total biomass (tonnes)	1762	1783	50299	17638
No. per length class (millions):				1183
6				1797
7				2054
8			2	854
9			18	234
10		1	35	34
11		4	100	40
12		7	314	32
13		4	321	11
14	2	13	185	
15	8	37	188	
16	24	27	440	
17	67	3	466	
18	27		204	
19			62	
20			17	
Sum	128	96	2352	6239

Total biomass (tonnes) of anchovy, *Engraulis capensis*, and total number per 1 cm length class (in millions) per area.

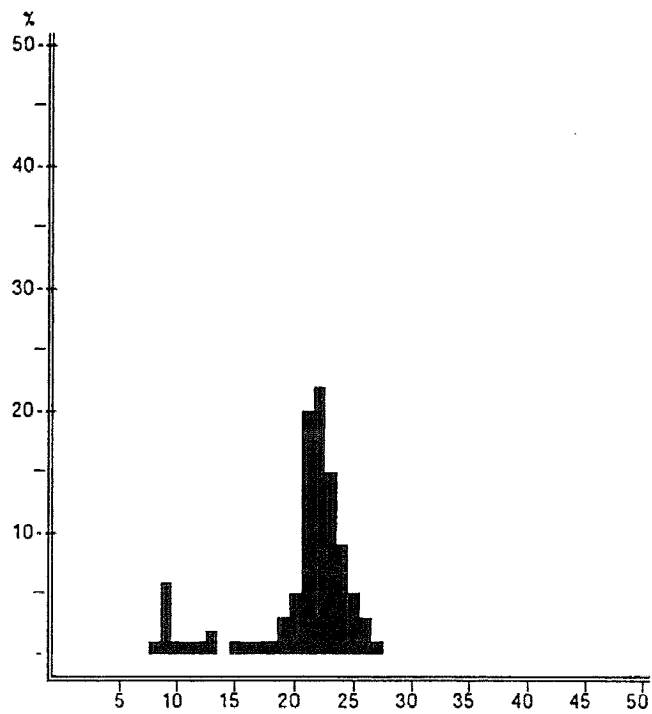
Area	17°07-17°15	17°15-18°15	19°-21°	21°00-23°30
Size of the Area (nm <sup>2</sup> )	122	289	783	429
Mean Sa value (m <sup>2</sup> /nm <sup>2</sup> )	459	282	298	
Total biomass (tonnes)	6630	6904	22394	17000
No. per length class (millions):				251
7				700
8	7	38	15	1498
9	5	195	31	1002
10	34	53	84	92
11	75	71	97	
12	76	126	82	
13	126	154	322	
14	184	115	917	
15	11	18	105	
16	1		4	
Sum:	519	770	1657	3543

Total biomass (tonnes) of horse mackerel, *Trachurus capensis*, and total number per 1 cm length class (in millions) per area.

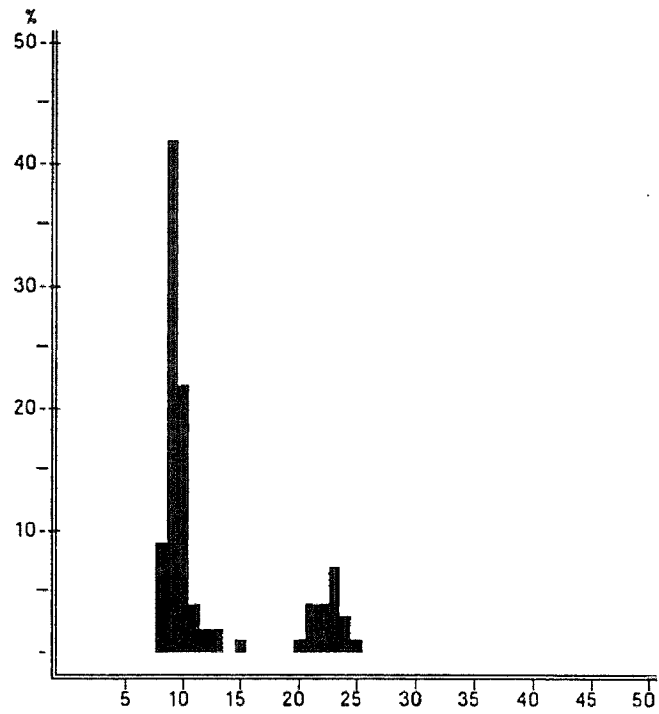
Area	16°40'- 17°15'	17°15'- 21°00'	21°00'- 21°40'	23°00'- 25°15'	Sum	
Size of the area (nm <sup>2</sup> )	730	9 224	2 560	796	13 310	
Mean Sa value (m <sup>2</sup> /nm <sup>2</sup> )	606	1 003	255	124		
Total Biomass (tonnes)	61 589	1 331 835	101 873	10 485	1 505 782	
No. per length class (mill.)	6		3	8	11	
	7	10	2 480	4	251	2 745
	8	13	3 370	18	801	4 202
	9	18	5 660	26	230	5 934
	10	19	3 750	2	1	3 772
	11	11	3 000		19	3 030
	12	26	4 070	54	14	4 164
	13	431	8 050	258	14	8 753
	14	1 540	13 500	649	29	15 718
	15	519	9 020	426	6	9 971
	16	73	4 220	235	15	4 543
	17	23	2 060	552	12	2 647
	18	19	1 230	475	50	1 774
	19	19	674	266	12	971
	20	1	382	90		473
	21		274	51		325
	22	17	490			507
	23	17	528	22		567
	24		598	9		607
	25		216	1		217
	26		70	1		71
Sum	2 756	63 642	3 142	1 472	71 012	



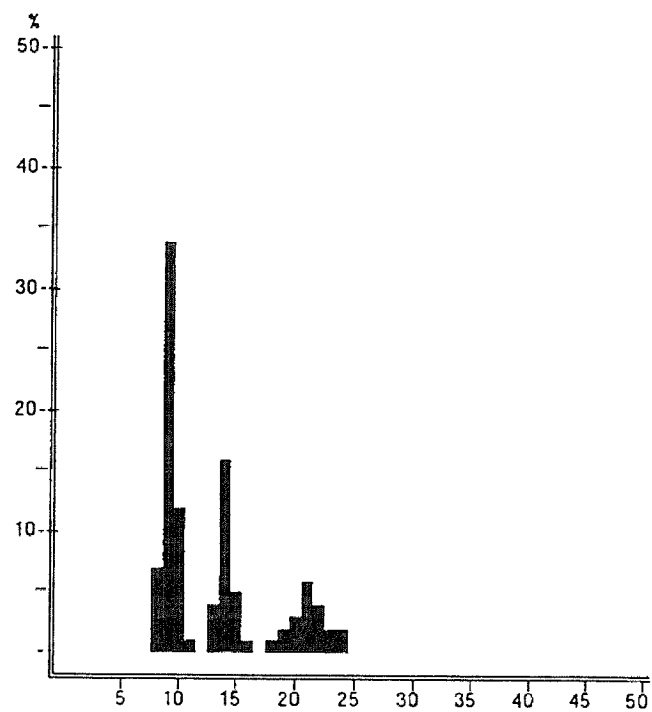
## Annex VI Length frequencies of different areas



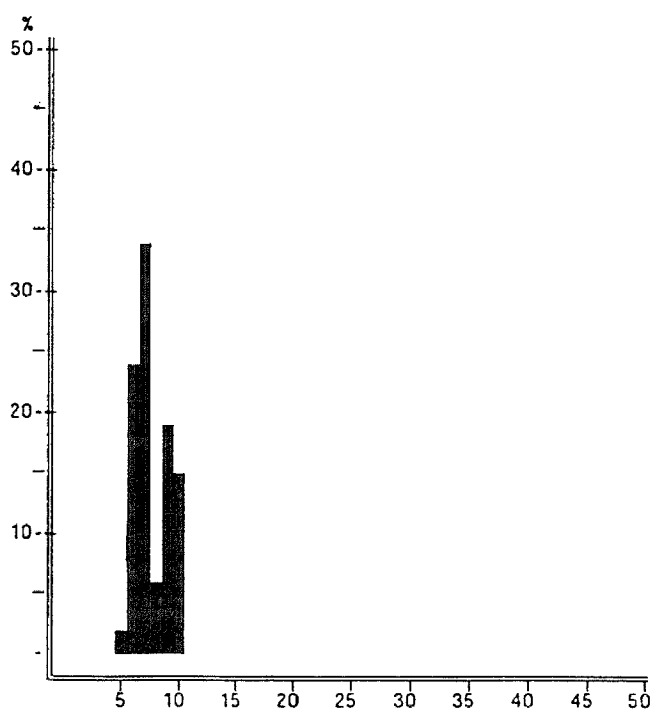
*Sardinops ocellatus*  
Area 16,00° - 18,00°



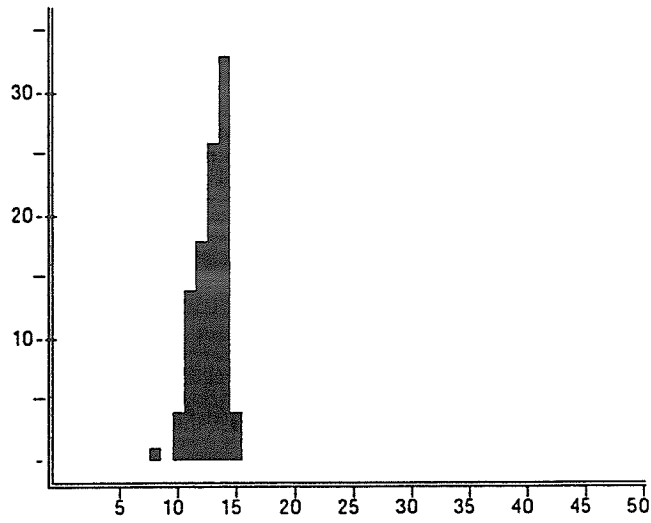
*Sardinops ocellatus*  
Area 18,00° - 20,00°



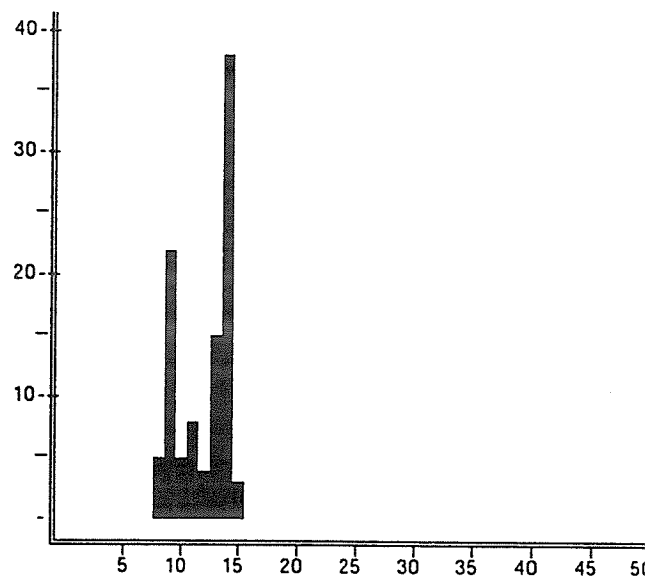
*Sardinops ocellatus*  
Area 20,00° - 22,00°



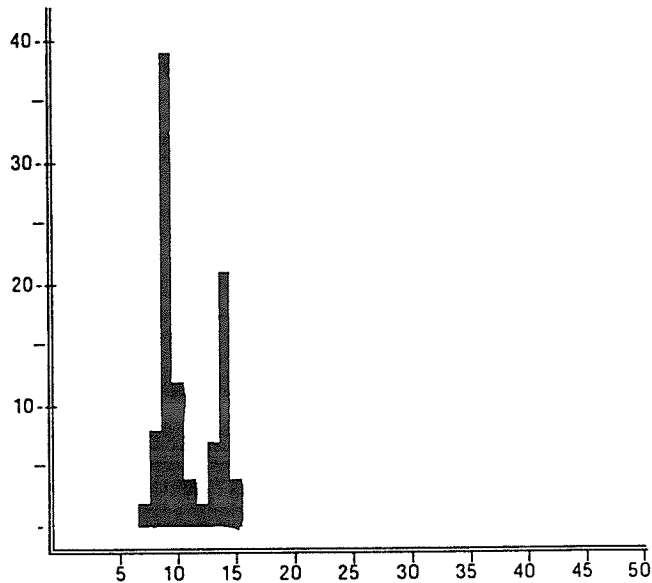
*Sardinops ocellatus*  
Area 22,00° - 24,00°



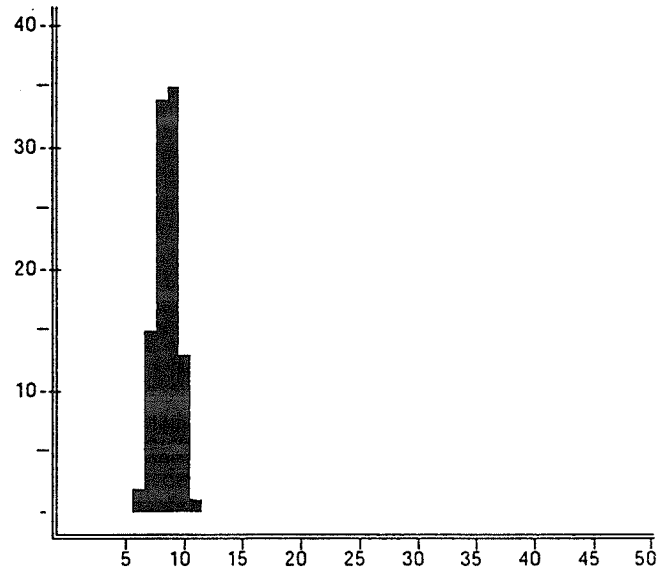
*Engraulis capensis*  
Area 16,00° - 18,00°



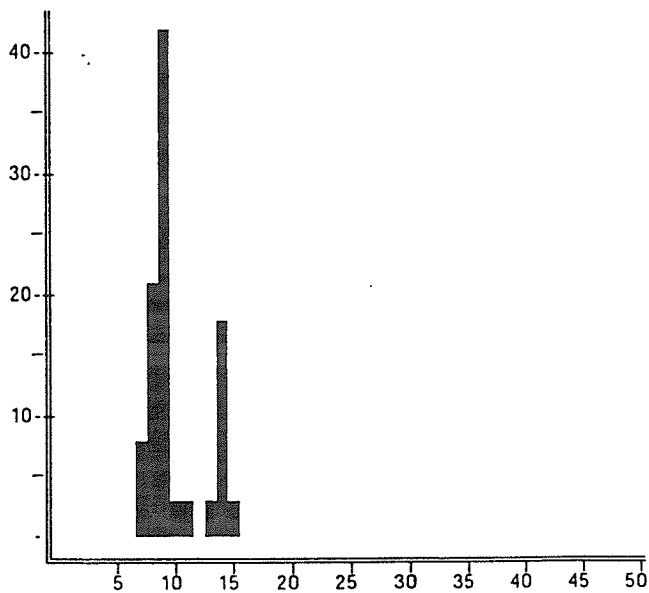
*Engraulis capensis*  
Area 18,00° - 20,00°



*Engraulis capensis*  
Area 20,00° - 22,00°

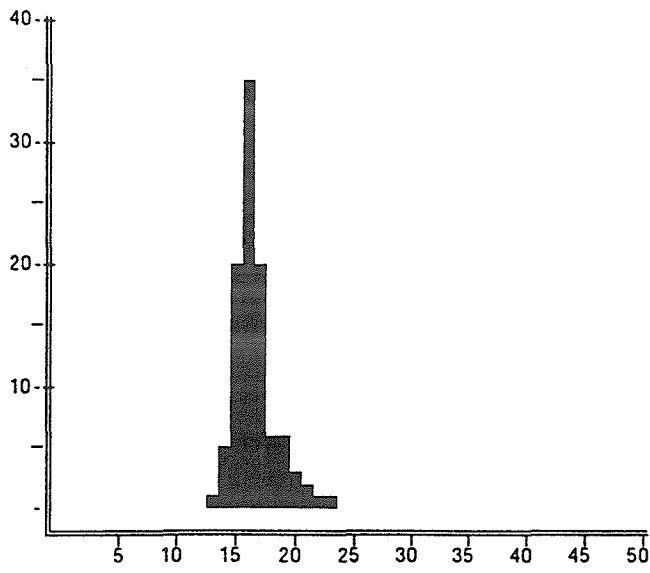


*Engraulis capensis*  
Area 22,00° - 24,00°

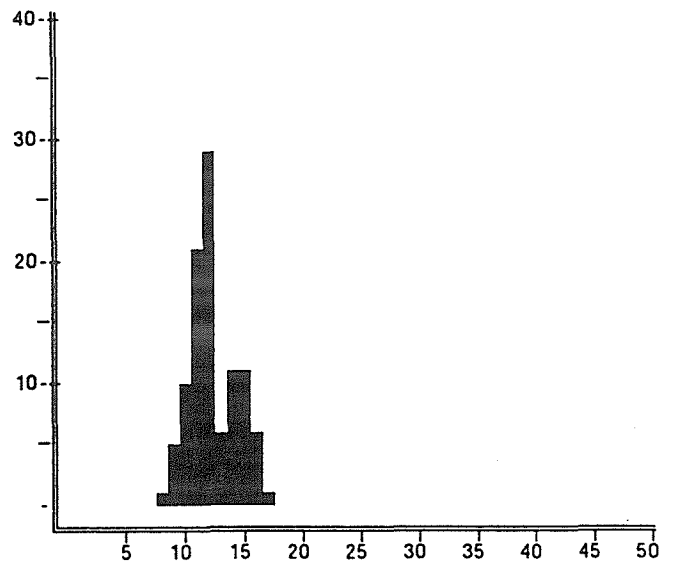


*Engraulis capensis*  
Area 24,00° - 26,00°

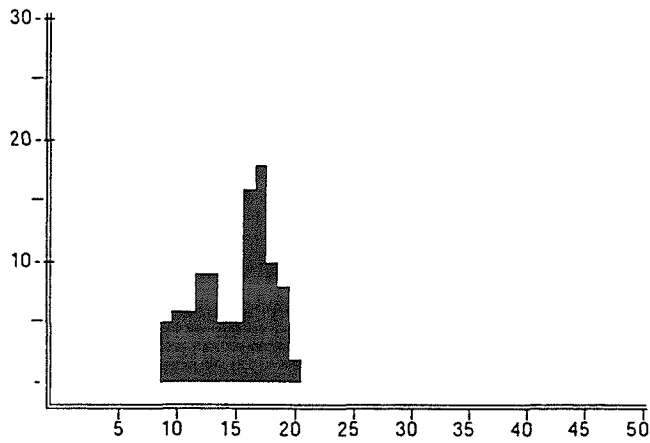




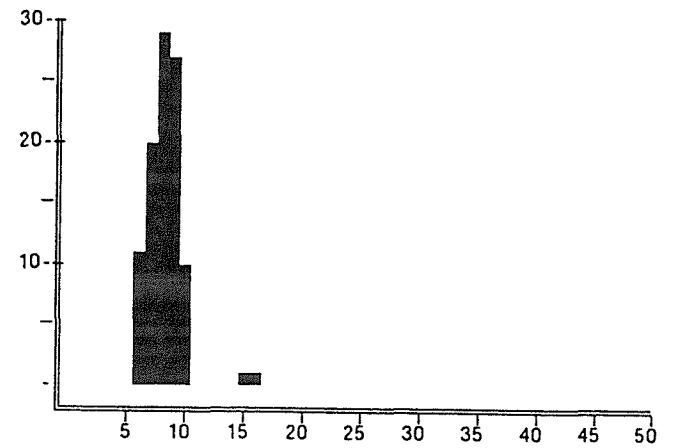
*Etrumeus whiteheadi*  
Area 16,00° - 18,00°



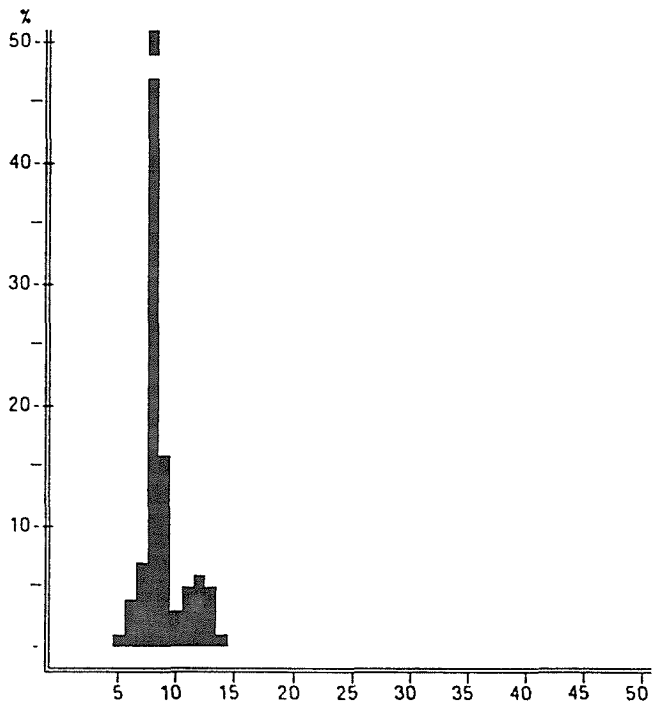
*Etrumeus whiteheadi*  
Area 18,00° - 20,00°



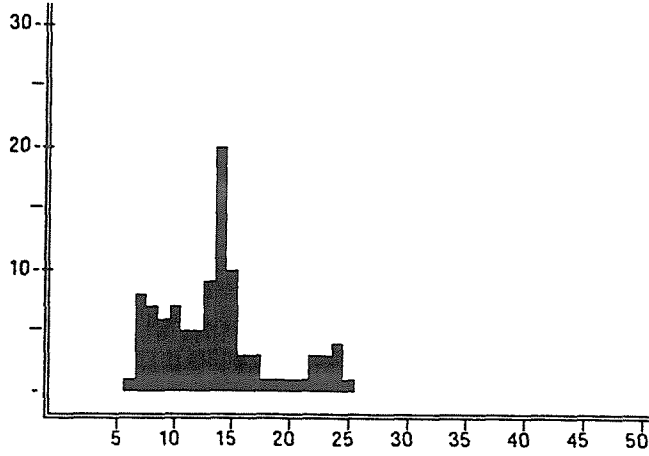
*Etrumeus whiteheadi*  
Area 20,00° - 22,00°



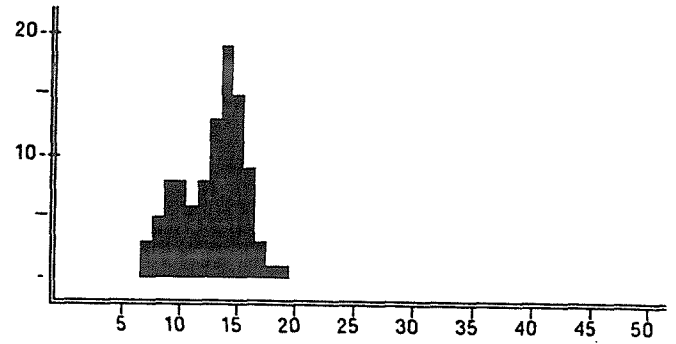
*Etrumeus whiteheadi*  
Area 22,00° - 24,00°



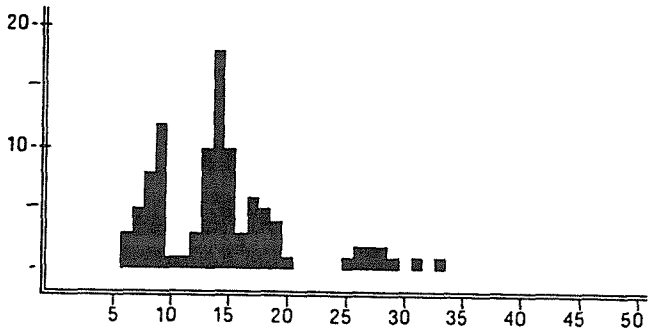
*Etrumeus whiteheadi*  
Area 24,00° - 26,00°



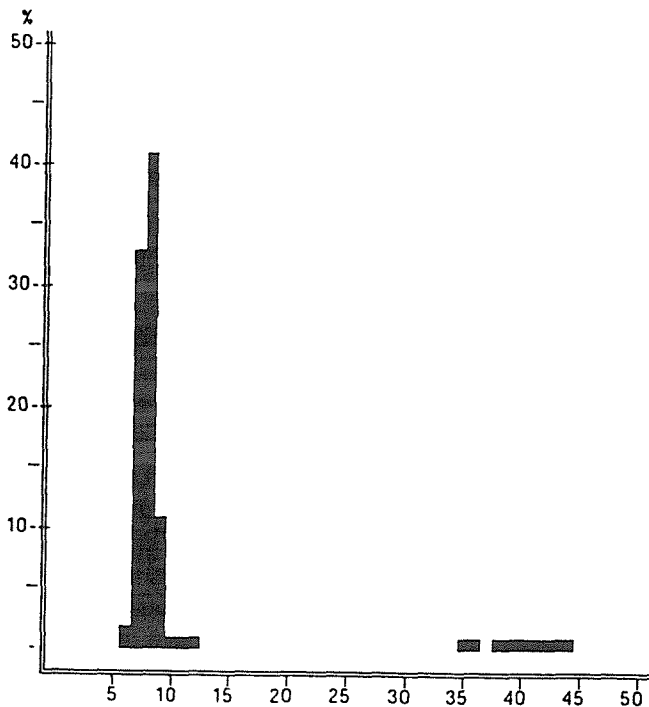
Trachurus capensis  
Area 16°00 - 18°00



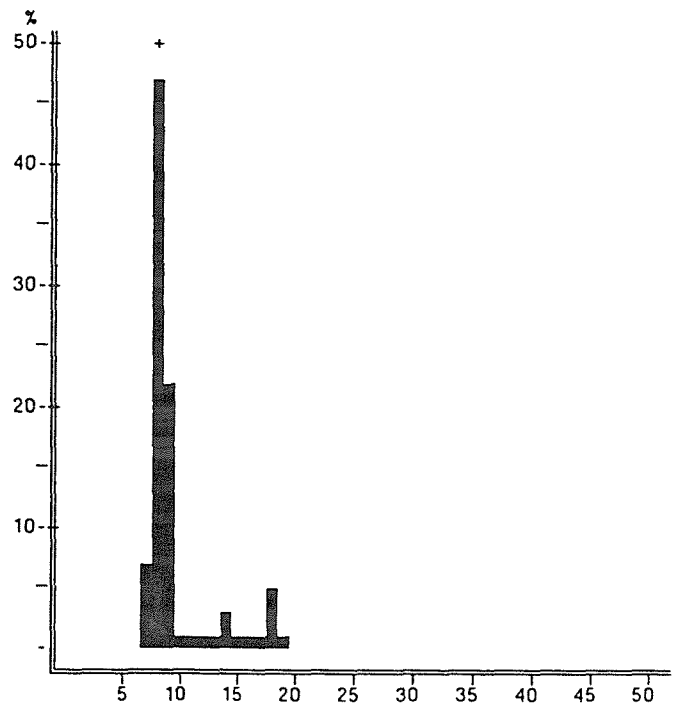
Trachurus capensis  
Area 18°00 - 20°00



Trachurus capensis  
Area 20°00 - 22°00



Trachurus capensis  
Area 22°00 - 24°00



Trachurus, Juveniles  
Area 24°00 - 26°00