

ANNEX IV Records of fishing stations

PROJECT STATION: 232
 DATE: 7/ 8/91 GEAR TYPE: BT No:1 POSITION: Lat S 506 Long E 1158
 start stop duration Purpose code: 3
 TIME :15:04:00 15:34:00 30 (min) Area code : 2
 LOG :1469.59 1470.90 dist.:1.40km GearCond.code:
 FDEPTH: 20 18 Validity code:
 BDEPTH: 20 18
 Towing dir: 150° Wire out: 100 m Speed: 28 kn*10
 Sorted: 22 Kg Total catch: 917.70 CATCH/HOUR: 1935.40

SPECIES	CATCH/HOUR		% OF TOT. C	SAMP.NO.
	weight	numbers		
Pseudotolithus typus	1215.20	1026	66.21	4
Selene dorsalis	182.00	659	9.52	3
Plectorhynchus mediterraneus	154.00	154	8.39	
Ilisha africana	70.00	1806	3.91	1
Chloroscombrus chrysurus	63.60	1260	3.74	2
Brachydeuterus auritus	30.80	1106	1.68	
Panulirus regius	71.00	42	1.14	
Umbrina canariensis	21.00	56	1.14	
Drepane africana	18.20	56	0.99	
Trichurus lepturus	14.00	532	0.75	
Galeoides decadactylus	12.60	42	0.69	
Pomadasy peroteti	12.60	14	0.69	
Arius parkii	11.20	84	0.61	
Pentanemus quinquarius	4.20	42	0.23	
Trachurus trecae	0.00	28		
Total	1835.40		100.00	

PROJECT STATION: 233
 DATE: 7/ 8/91 GEAR TYPE: BT No:1 POSITION: Lat S 513 Long E 1263
 start stop duration Purpose code: 3
 TIME :16:27:30 16:57:00 30 (min) Area code : 2
 LOG :1477.79 1479.20 1.43 GearCond.code:
 FDEPTH: 12 12 Validity code:
 BDEPTH: 12 12
 Towing dir: 150° Wire out: 100 m Speed: 29 kn*10
 Sorted: 30 Kg Total catch: 239.60 CATCH/HOUR: 479.20

SPECIES	CATCH/HOUR		% OF TOT. C	SAMP.NO.
	weight	numbers		
Trichurus lepturus	150.00	3360	33.39	
Ilisha africana	96.00	2954	20.03	6
Brachydeuterus auritus	48.00	1968	10.02	
Chloroscombrus chrysurus	32.00	1398	6.68	7
Carcharinus sp.	24.00	16	5.01	
Pomadasy peroteti	24.00	64	5.01	
Pentheroscion abizi	22.40	368	4.67	
Pseudotolithus typus	16.00	32	3.34	
Stromateus fiatola	16.00	16	3.34	
Sepiella ornata	8.00	128	1.67	
Galeoides decadactylus	8.00	64	1.67	
Parapenaeus atlantica	8.00	448	1.67	5
Pentanemus quinquarius	6.40	192	1.34	
Sardinella aurita	5.60	192	1.17	
Pegusa tascaris	1.60	48	0.33	
Trachurus trecae	1.60	360	0.33	
Schedophilus pamarco	0.80	16	0.17	
Arius parkii	0.80	16	0.17	
Total	479.20		100.01	

PROJECT STATION: 234
 DATE: 7/ 8/91 GEAR TYPE: BT No:1 POSITION: Lat S 516 Long E 1157
 start stop duration Purpose code: 3
 TIME :17:56:00 18:26:00 30 (min) Area code : 2
 LOG :1497.00 1498.40 1.70 GearCond.code:
 FDEPTH: 31 34 Validity code:
 BDEPTH: 31 34
 Towing dir: 321° Wire out: 150 m Speed: 32 kn*10
 Sorted: 25 Kg Total catch: 28.85 CATCH/HOUR: 57.70

SPECIES	CATCH/HOUR		% OF TOT. C	SAMP.NO.
	weight	numbers		
Trichurus lepturus	13.80	275	23.92	
Brachydeuterus auritus	13.80	254	23.92	
Ilisha africana	10.40	200	18.02	
Carcharinus sp.	4.00	4	6.93	
Panulirus sp.	3.60	2	5.20	
Pterothrissus belloci	3.00	50	5.47	
Pomadasy peroteti	2.00	2	3.47	
Dentex gibbosus	1.50	2	2.60	
Pomadasy incisus	1.40	6	2.43	
Penaeus notialis	1.00	36	1.73	
Umbrina canariensis	0.80	2	1.39	
Pseudupeneus prayensis	0.80	2	1.39	
Dentex barnardi	0.80	2	1.39	
Pagellus bellottii	0.60	2	1.04	
Cynoglossus senegalensis	0.40	2	0.69	
Sardinella aurita	0.40	10	0.69	
Total	57.70		100.01	

PROJECT STATION: 235
 DATE: 8/ 8/91 GEAR TYPE: BT No:1 POSITION: Lat S 521 Long E 1132
 start stop duration Purpose code: 3
 TIME :07:19:00 07:48:00 30 (min) Area code : 2
 LOG :1594.80 1596.00 1.30 GearCond.code:
 FDEPTH: 371 361 Validity code:
 BDEPTH: 371 361
 Towing dir: 12° Wire out: 1200 m Speed: 26 kn*10
 Sorted: 59 Kg Total catch: 119.60 CATCH/HOUR: 239.20

SPECIES	CATCH/HOUR		% OF TOT. C	SAMP.NO.
	weight	numbers		
Centrophorus granulosus	108.00	24	45.15	
Merluccius polli	40.40	99	16.89	8
Scorpaena normani	16.20	522	6.77	
Menalocarcinus africanus	13.40	1206	5.60	
Etmopterus spinax	13.20	336	5.52	
Laemonema laureysi	12.60	54	5.27	
Malacocephalus laevis	11.40	654	4.77	
Hoplostethus mediterraneus	7.20	174	3.01	
Oibranchus atlanticus	4.20	30	1.76	
Photomectes sp	3.00	30	1.25	
Stereomastis sculpta	2.40	90	1.60	
Halosaurus ovenii	1.80	72	0.75	
Channux pictus	1.20	24	0.50	
Xenodermichthys socialis	1.20	18	0.50	
Parapenaeus longirostris	1.20	168	0.50	
Melanostigma sp	0.60	6	0.25	
MACROURIDAE	0.60	6	0.25	
Nemichthys scolopacea	0.60	6	0.25	
Total	239.20		99.59	

PROJECT STATION: 236
 DATE: 8/ 8/91 GEAR TYPE: BT No:1 POSITION: Lat S 524 Long E 1134
 start stop duration Purpose code: 3
 TIME :06:45:00 09:15:00 30 (min) Area code : 2
 LOG :1601.20 1602.60 1.40 GearCond.code:
 FDEPTH: 288 214 Validity code:
 BDEPTH: 288 214
 Towing dir: 170° Wire out: 900 m Speed: 27 kn*10
 Sorted: 22 Kg Total catch: 309.20 CATCH/HOUR: 618.40

SPECIES	CATCH/HOUR		% OF TOT. C	SAMP.NO.
	weight	numbers		
Scorpaena normani	336.00	1028	54.33	
Merluccius polli, female	114.40	278	18.50	9
Pterothrissus belloci	66.00	480	10.67	
Merluccius polli, male	56.00	134	9.05	31
Trichurus lepturus	12.00	60	1.94	
Chlorophthalmus atlanticus	10.00	100	1.62	
Nemichthys scolopacea	8.00	60	1.29	
Triplophos hemingi	6.00	1280	0.97	
Laemonema laureysi	4.00	20	0.65	
Etmopterus spinax	4.00	40	0.65	
MACROURIDAE	2.00	20	0.32	
Total	618.40		100.00	

PROJECT STATION: 237
 DATE: 8/ 8/91 GEAR TYPE: BT No:1 POSITION: Lat S 524 Long E 1136
 start stop duration Purpose code: 3
 TIME :10:08:00 10:36:00 30 (min) Area code : 2
 LOG :1506.70 1608.00 1.30 GearCond.code:
 FDEPTH: 214 216 Validity code:
 BDEPTH: 214 216
 Towing dir: 350° Wire out: 700 m Speed: 28 kn*10
 Sorted: 37 Kg Total catch: 107.40 CATCH/HOUR: 214.80

SPECIES	CATCH/HOUR		% OF TOT. C	SAMP.NO.
	weight	numbers		
Pterothrissus belloci	113.40	810	52.79	
Parapenaeus longirostris, fem.	48.60	2058	22.63	10
Trichurus lepturus	15.60	144	7.26	
Parapenaeus longirostris, male	11.40	1196	5.31	11
Stomias affinis	9.00	594	4.19	
Synagrops microlepis	3.00	18	1.40	
Merluccius polli	3.00	24	1.40	
Scorpaena normani	3.00	78	1.40	
Chlorophthalmus atlanticus	3.00	108	1.40	
Chlorophthalmus sp.	1.80	12	0.84	
Sepia elegans	1.20	72	0.58	
Raja straeleni	0.80	6	0.37	
Lepophtidium pheromystax	0.60	6	0.28	
Peristodion cataphractum	0.40	6	0.19	
Oibranchus atlanticus	0.06	6	0.03	
Total	214.80		100.00	

PROJECT STATION: 238
 DATE: 8/ 8/91 GEAR TYPE: BT No:1 POSITION: Lat S 518 Long E 1142
 start stop duration Purpose code: 3
 TIME :11:58:00 12:28:00 30 (min) Area code : 2
 LOG :1618.70 1620.30 1.50 GearCond.code:
 FDEPTH: 95 94 Validity code:
 BDEPTH: 95 94
 Towing dir: 145° Wire out: 430 m Speed: 30 kn*10
 Sorted: 22 Kg Total catch: 52.64 CATCH/HOUR: 105.28

SPECIES	CATCH/HOUR		% OF TOT. C	SAMP.NO.
	weight	numbers		
Trichurus lepturus	48.60	448	46.35	
Dentex angolensis	26.00	116	24.70	12
Squatina aculeata	16.20	10	15.39	
Umbrina canariensis	11.20	32	10.64	
Pagellus bellottii	1.20	8	1.14	
Todarodes sagittatus	0.80	36	0.76	
Uranoscopus albesca	0.80	8	0.76	
Parapenaeus longirostris	0.28	36	0.27	
Total	105.28		100.01	

PROJECT STATION: 239
 DATE: 8/ 8/91 GEAR TYPE: BT No:1 POSITION:Lat S 518. Long E 1149
 start stop duration
 TIME :16:21:00 16:51:00 30 (min) Purpose code: 3
 LOG :1531.40 1633.10 1.70 Area code : 2
 FDEPTH: 54 51 GearCond.code:
 BDEPTH: 54 51 Validity code:
 Towing dir: 130° Wire out: 200 m Speed: 20 kn*10

Sorted: 22 Kg Total catch: 43.00 CATCH/HOUR: 86.00

SPECIES	CATCH/HOUR		% OF TOT. C	SAMP.NO.
	weight	numbers		
Brachydeuterus auritus	23.20	156	26.98	
Dentex angolensis	16.00	80	18.60	10
Dentex barnardi	12.00	32	13.95	
Trichiurus lepturus	8.00	20	9.30	
Fistularia petimba	8.00	20	9.30	
Trachurus trecae	4.00	1392	4.65	14
Epinephelus aeneus	4.00	4	4.65	
Umbrina canariensis	2.40	8	2.79	
Loligo sp.	2.00	756	2.33	
Chaetodon hoefleri	2.00	8	2.33	
Pagellus bellottii	1.60	12	1.86	
Todarodes sagittatus	1.20	16	1.40	
Decapterus rhonchus	0.80	4	0.93	
Selene dorsalis	0.80	4	0.93	
Total	66.00		100.00	

PROJECT STATION: 240
 DATE: 8/ 8/91 GEAR TYPE: BT No:1 POSITION:Lat S 522 Long E 1154
 start stop duration
 TIME :17:44:00 18:14:00 30 (min) Purpose code: 3
 LOG :1640.30 1641.50 1.60 Area code : 2
 FDEPTH: 43 46 GearCond.code:
 BDEPTH: 43 46 Validity code:
 Towing dir: 237° Wire out: 200 m Speed: 30 kn*10

Sorted: 53 Kg Total catch: 152.20 CATCH/HOUR: 304.40

SPECIES	CATCH/HOUR		% OF TOT. C	SAMP.NO.
	weight	numbers		
Brachydeuterus auritus	131.20	1072	43.10	
Dentex gibbosus	39.20	56	12.88	
Umbrina canariensis	31.20	80	10.25	
Trichiurus lepturus	20.80	80	6.83	
Pagellus bellottii	16.00	64	5.26	15
Gymnura sp.	13.60	2	4.47	
Trachurus trecae	10.40	2720	3.42	16
Pomadourus incisus	8.80	84	2.89	
Dentex barnardi	8.40	20	2.76	
Pseudotolithus tynus	7.20	2	2.37	
Epinephelus aeneus	4.80	4	1.56	
Panulirus regius	4.00	2	1.31	
Seriola lalandi	3.20	8	1.05	
Trigla lyra	2.40	8	0.79	
Atractoscion acciuidens	2.00	2	0.66	
Sepia sp.	0.80	96	0.26	
Peneus notialis	0.40	16	0.13	
Total	304.40		100.01	

PROJECT STATION: 241
 DATE: 8/ 8/91 GEAR TYPE: BT No:1 POSITION:Lat S 530 Long E 1143
 start stop duration
 TIME :06:30:00 07:00:00 30 (min) Purpose code: 3
 LOG :1690.80 1692.00 1.50 Area code : 2
 FDEPTH: 90 82 GearCond.code:
 BDEPTH: 90 82 Validity code:
 Towing dir: 120° Wire out: 350 m Speed: 28 kn*10

Sorted: 61 Kg Total catch: 50.90 CATCH/HOUR: 121.80

SPECIES	CATCH/HOUR		% OF TOT. C	SAMP.NO.
	weight	numbers		
Umbrina canariensis	25.20	62	20.69	
Dentex angolensis	21.60	162	17.73	17
Trichiurus lepturus	15.60	38	12.81	
Pterothrissus belloci	11.60	90	9.52	
Squatina oculata	9.40	2	7.72	
Citharus linguatula	9.00	14	7.35	
Epinephelus aeneus	7.20	2	5.91	
Atractoscion acciuidens	6.80	20	5.58	
Trachurus trecae	2.80	42	2.30	18
Brotula barbata	2.80	6	2.30	
Torpedo torpedo	2.60	4	2.13	
Uranoscopus albesca	1.60	28	1.31	
Boops boops	1.60	6	1.31	
Trigla lyra	1.40	14	1.15	
Saurida brasiliensis	0.80	114	0.66	
Thorogobius angolensis	0.40	10	0.39	
Loligo sp.	0.40	24	0.33	
Parapenaeus longirostris	0.40	60	0.32	
Scorpaena normani	0.40	4	0.33	
Todaropsis eblanae	0.20	50	0.16	
Total	121.80		99.99	

PROJECT STATION: 242
 DATE: 8/ 8/91 GEAR TYPE: BT No:1 POSITION:Lat S 533 Long E 1139
 start stop duration
 TIME :08:03:00 08:33:00 30 (min) Purpose code: 3
 LOG :1701.00 1702.90 1.40 Area code : 2
 FDEPTH: 130 113 GearCond.code:
 BDEPTH: 130 113 Validity code:
 Towing dir: 120° Wire out: 550 m Speed: 28 kn*10

Sorted: 29 Kg Total catch: 98.60 CATCH/HOUR: 197.20

SPECIES	CATCH/HOUR		% OF TOT. C	SAMP.NO.
	weight	numbers		
Synagrops microlepis	84.00	1058	43.00	
Trichiurus lepturus	84.00	498	42.60	
Dentex angolensis	16.00	74	8.52	19
Pterothrissus belloci	3.60	42	1.63	
Loligo vulgaris	2.20	50	1.12	
Miracorvina angolensis	1.40	8	0.71	
Heptanchias perlo	1.40	2	0.71	
Boops boops	1.40	14	0.71	
Parapenaeus longirostris	0.80	56	0.41	
Trachurus trecae	0.70	14	0.35	
Total	197.10		99.96	

PROJECT STATION: 243
 DATE: 8/ 8/91 GEAR TYPE: BT No:1 POSITION:Lat S 534 Long E 1136
 start stop duration
 TIME :09:28:00 09:58:00 30 (min) Purpose code: 3
 LOG :1709.00 1710.10 1.40 Area code : 2
 FDEPTH: 205 224 GearCond.code:
 BDEPTH: 205 224 Validity code:
 Towing dir: 20° Wire out: 700 m Speed: 28 kn*10

Sorted: 32 Kg Total catch: 99.70 CATCH/HOUR: 187.40

SPECIES	CATCH/HOUR		% OF TOT. C	SAMP.NO.
	weight	numbers		
Pterothrissus belloci	55.00	552	29.35	
Stomias affinis	35.00	4470	13.68	
Trichiurus lepturus	17.60	400	9.39	
Miracorvina angolensis	16.00	30	8.54	
Parapenaeus longirostris, fem.	14.60	1606	7.79	21
Dentex angolensis	13.40	44	7.15	20
Brotula barbata	11.60	14	6.19	
Parapenaeus longirostris, male	9.50	2064	5.12	22
Solenocera africana	5.30	350	2.67	
Zenopsis conchifer	2.00	10	1.07	
Loligo vulgaris	2.00	50	1.07	
Synagrops microlepis	1.60	76	0.85	
Uranoscopus albesca	1.00	6	0.53	
Leptolepis intermedia	0.60	26	0.32	
Sepia elegans	0.60	30	0.32	
Citharus linguatula	0.60	6	0.32	
Chlorophthalmus agassizi	0.60	6	0.32	
Merluccius merluccius	0.60	5	0.32	
Total	187.40		100.00	

PROJECT STATION: 244
 DATE: 8/ 8/91 GEAR TYPE: BT No:1 POSITION:Lat S 534 Long E 1133
 start stop duration
 TIME :10:40:00 11:10:00 30 (min) Purpose code: 3
 LOG :1713.50 1715.00 1.50 Area code : 2
 FDEPTH: 274 265 GearCond.code:
 BDEPTH: 274 265 Validity code:
 Towing dir: 160° Wire out: 900 m Speed: 28 kn*10

Sorted: 37 Kg Total catch: 220.90 CATCH/HOUR: 441.80

SPECIES	CATCH/HOUR		% OF TOT. C	SAMP.NO.
	weight	numbers		
Pterothrissus belloci	246.00	1644	55.68	
Merluccius polli, female	55.20	288	12.49	23
Rematocarcinus africanus	42.00	2736	9.51	
Miracorvina angolensis	26.40	144	5.93	
Trichiurus lepturus	21.60	600	4.89	
Grosmitulus imberbis *	15.60	432	3.53	
Epigonus sp.	6.00	60	1.36	
Chlorophthalmus atlanticus	4.80	60	1.03	
Promethichthys prometheus	3.60	12	0.81	
Stomias affinis	3.60	12	0.81	
Parapenaeus longirostris	3.60	216	0.81	
MYCTOPHIDAE	3.60	408	0.81	
Sepia sp.	2.40	36	0.54	
Scorpaena normani	2.40	24	0.54	
PARLPOD	1.20	36	0.27	
Merluccius polli, male	1.20	24	0.27	24
Halacapphalus laevis	1.20	12	0.27	
Laemonema laureys	1.20	12	0.27	
Solenocera africana	0.12	12	0.09	
Total	441.72		99.96	

PROJECT STATION: 245
 DATE: 9/ 8/91 GEAR TYPE: BT No:1 POSITION:Lat S 545 Long E 1131
 start stop duration
 TIME :12:31:00 13:01:00 30 (min) Purpose code: 3
 LOG :1724.60 1725.70 1.55 Area code : 2
 FDEPTH: 207 216 GearCond.code:
 BDEPTH: 207 216 Validity code:
 Towing dir: 180° Wire out: 900 m Speed: 30 kn*10

Sorted: 32 Kg Total catch: 212.80 CATCH/HOUR: 425.60

SPECIES	CATCH/HOUR		% OF TOT. C	SAMP.NO.
	weight	numbers		
Synagrops microlepis	206.80	3808	67.39	25
Dentex angolensis	39.00	134	8.93	26
Trichurus lepturus	28.80	168	6.77	
MYCTOPHIDAE	18.00	2100	4.23	
Zenopsis conchifer	16.80	72	3.95	
Pentheroscion mbizi	14.40	120	3.39	
Pterothrissus belloci	14.40	96	3.39	
Todarodes sagittatus	6.00	96	1.41	
Merluccius merluccius	2.40	24	0.55	
Parapenaeus longirostris	0.00	96		
Chlorophthalmus agassizii	0.00	24		
Total	425.60		100.00	

PROJECT STATION: 246
 DATE: 9/ 8/91 GEAR TYPE: BT No:1 POSITION:Lat S 542 Long E 1135
 start stop duration
 TIME :14:33:40 16:20:20 30 (min) Purpose code: 3
 LOG :1732.70 1734.10 1.40 Area code : 2
 FDEPTH: 194 191 GearCond.code:
 BDEPTH: 194 191 Validity code:
 Towing dir: 30° Wire out: 750 m Speed: 30 kn*10

Sorted: 33 Kg Total catch: 413.10 CATCH/HOUR: 826.20

SPECIES	CATCH/HOUR		% OF TOT. C	SAMP.NO.
	weight	numbers		
Pentheroscion mbizi	585.80	4680	70.88	28
Pterothrissus belloci	40.00	528	5.81	
Dentex angolensis	46.20	100	5.59	27
MYCTOPHIDAE	36.00	25560	4.36	
Synagrops microlepis	28.80	696	3.49	
Trichurus lepturus	21.60	216	2.61	
Parapenaeus longirostris, male	19.20	1472	2.32	29
Parapenaeus longirostris, fem.	16.80	1612	2.03	30
Todarodes sagittatus	12.00	144	1.45	
Zenopsis conchifer	12.00	24	1.45	
Total	826.20		99.99	

PROJECT STATION: 247
 DATE: 9/ 8/91 GEAR TYPE: BT No:1 POSITION:Lat S 539 Long E 1142
 start stop duration
 TIME :15:44:00 16:14:00 30 (min) Purpose code: 3
 LOG :1743.10 1745.20 1.20 Area code : 2
 FDEPTH: 96 89 GearCond.code:
 BDEPTH: 96 89 Validity code:
 Towing dir: 95° Wire out: 500 m Speed: 29 kn*10

Sorted: 24 Kg Total catch: 24.10 CATCH/HOUR: 48.20

SPECIES	CATCH/HOUR		% OF TOT. C	SAMP.NO.
	weight	numbers		
Umbriina canariensis	16.00	94	33.20	32
Dentex angolensis	14.00	70	29.05	33
Trichurus lepturus	5.80	28	12.03	
Pentheroscion mbizi	4.60	18	9.54	
Todaropsis eblanae	3.00	50	6.22	
Todarodes sagittatus	1.80	20	3.73	
Scomber japonicus	1.20	50	2.49	
Schedophilus pinnarco	1.00	2	2.07	
Trachurus trecae	0.80	10	1.66	
Saurida brasiliensis	0.00	4		
Total	48.20		99.99	

PROJECT STATION: 248
 DATE: 9/ 8/91 GEAR TYPE: BT No:1 POSITION:Lat S 539 Long E 1153
 start stop duration
 TIME :17:29:00 17:59:00 30 (min) Purpose code: 3
 LOG :1756.60 1757.70 1.70 Area code : 2
 FDEPTH: 52 45 GearCond.code:
 BDEPTH: 52 45 Validity code:
 Towing dir: 95° Wire out: 250 m Speed: 30 kn*10

Sorted: 24 Kg Total catch: 70.10 CATCH/HOUR: 140.20

SPECIES	CATCH/HOUR		% OF TOT. C	SAMP.NO.
	weight	numbers		
Cynopenticus ferox	34.00	4	24.25	
Brachydeuterus auritus	32.80	216	23.40	
Trichurus lepturus	21.60	324	15.41	
Pseudotolithus typus	9.20	44	6.56	
Desyatis marmorata	6.00	2	4.28	
Pterothrissus belloci	6.00	36	4.28	
Pseudotolithus senegalensis	4.30	4	3.42	
Arius parkii	4.80	4	3.42	
Stromateus fiatola	4.00	4	2.95	
Umbriina canariensis	4.00	16	2.95	
Penaeus notialis	3.50	100	2.57	
Pagellus bellottii	3.00	24	2.14	34
Selene dorsalis	2.00	3	1.43	
Pomadasys incisus	1.20	4	0.86	
Trigla lyra	0.80	4	0.57	
Auxis thazard	0.40	4	0.29	
Decapterus rhonchus	0.40	4	0.29	
Pentheroscion mbizi	0.40	4	0.29	
Miracorvina angolensis	0.40	12	0.29	
Todarodes sagittatus	0.40	4	0.29	
Trachurus trecae	0.40	72	0.29	
Total	140.20		100.03	

PROJECT STATION: 249
 DATE: 10/ 8/91 GEAR TYPE: BT No:1 POSITION:Lat S 531 Long E 1158
 start stop duration
 TIME :06:25:00 06:35:00 10 (min) Purpose code: 3
 LOG :1866.70 1861.50 0.60 Area code : 2
 FDEPTH: 36 34 GearCond.code:
 BDEPTH: 36 34 Validity code:
 Towing dir: 120° Wire out: 200 m Speed: 29 kn*10

Sorted: 28 Kg Total catch: 28.40 CATCH/HOUR: 170.40

SPECIES	CATCH/HOUR		% OF TOT. C	SAMP.NO.
	weight	numbers		
Pseudotolithus typus	75.60	216	44.37	35
Arius parkii	45.60	42	26.78	
Trichurus lepturus	11.40	606	6.69	
Miracorvina angolensis	7.80	150	4.58	
Pentanemus quinquarius	7.80	108	4.58	
Pseudotolithus senegalensis	7.20	24	4.23	
Brachydeuterus auritus	3.60	24	2.11	
Ilisha africana	3.00	30	1.76	
Parapenaeopsis atlantica	2.40	180	1.41	
Pomadasys incisus	1.80	18	1.06	
Dicolloglossa cuneata	1.20	12	0.70	
Dentex gibbosus	1.20	6	0.70	
Sepiella ornata	0.60	6	0.35	
Raja miraletus	0.60	6	0.35	
Trachurus trecae	0.60	12	0.35	
Total	170.40		100.00	

PROJECT STATION: 250
 DATE: 10/ 8/91 GEAR TYPE: BT No:1 POSITION:Lat S 538 Long E 1200
 start stop duration
 TIME :07:59:00 08:29:00 30 (min) Purpose code: 3
 LOG :1872.50 1873.80 1.60 Area code : 2
 FDEPTH: 28 31 GearCond.code:
 BDEPTH: 28 31 Validity code:
 Towing dir: 330° Wire out: 150 m Speed: 33 kn*10

Sorted: 30 Kg Total catch: 313.60 CATCH/HOUR: 627.20

SPECIES	CATCH/HOUR		% OF TOT. C	SAMP.NO.
	weight	numbers		
Trichurus lepturus	344.00	8000	54.85	
Miracorvina angolensis	102.00	2280	16.26	
Sepia orbignyana	42.00	80	6.70	
Brachydeuterus auritus	38.00	280	6.06	
Pseudotolithus senegalensis	32.00	260	5.10	
Arius parkii	22.40	18	3.57	
Ilisha africana	18.00	240	2.87	
Pentheroscion mbizi	12.00	580	1.91	
Pentanemus quinquarius	12.00	120	1.91	
Callinectes marginatus	2.80	4	0.45	
Pseudotolithus senegalensis	2.00	28	0.32	
Total	627.20		100.00	

PROJECT STATION: 251
 DATE: 10/ 8/91 GEAR TYPE: BT No:1 POSITION:Lat S 544 Long E 1154
 start stop duration
 TIME :09:38:00 10:08:00 30 (min) Purpose code: 3
 LOG :1893.50 1894.70 1.65 Area code : 2
 FDEPTH: 47 51 GearCond.code:
 BDEPTH: 47 51 Validity code:
 Towing dir: 300° Wire out: 250 m Speed: 33 kn*10

Sorted: 23 Kg Total catch: 133.80 CATCH/HOUR: 267.60

SPECIES	CATCH/HOUR		% OF TOT. C	SAMP.NO.
	weight	numbers		
Shrimps, small, non comm.	69.40	26566	25.91	
Trichurus lepturus	68.60	708	25.62	
Pseudotolithus typus	33.60	66	12.55	37
Pseudotolithus senegalensis	30.80	88	11.50	36
Cynopenticus ferox	24.00	2	8.96	
Stromateus fiatola	19.60	28	7.32	
Pentheroscion mbizi	19.60	182	7.32	
Selene dorsalis	1.40	14	0.52	
Miracorvina angolensis	0.80	8	0.30	
Trachurus trecae	0.00	14		
Total	267.60		100.00	

PROJECT STATION: 252
 DATE: 10/ 8/91 GEAR TYPE: BT No:1 POSITION:Lat S 549 Long E 1148
 start stop duration
 TIME :11:20:00 11:50:00 30 (min) Purpose code: 3
 LOG :1894.20 1895.30 1.80 Area code : 2
 FDEPTH: 65 73 GearCond.code:
 BDEPTH: 65 73 Validity code:
 Towing dir: 300° Wire out: 250 m Speed: 32 kn*10

Sorted: Kg Total catch: 63.00 CATCH/HOUR: 126.00

SPECIES	CATCH/HOUR		% OF TOT. C	SAMP.NO.
	weight	numbers		
Trichurus lepturus	126.00	406	100.00	38
Total	126.00		100.00	

PROJECT STATION: 253
 DATE:10/ 8/91 GEAR TYPE: BT No:1 POSITION:Lat S 555 Long E 1141
 start stop duration
 TIME :13:31:00 14:01:00 30 (min) Purpose code: 3
 LOG :1905.70 1906.60 1.50 Area code : 2
 FDEPTH: 103 109 GearCond.code:
 BDEPTH: 103 109 Validity code:
 Towing dir: 300° Wire out: 500 m Speed: 31 kn*10
 Sorted: 31 Kg Total catch: 30.80 CATCH/HOUR: 61.60

SPECIES	CATCH/HOUR		% OF TOT. C	SAMP.NO.
	weight	numbers		
Dentex angolensis	30.00	114	40.70	39
Trichurus lepturus	9.40	32	15.26	
Trachurus trecae	7.40	100	12.01	40
Dentex gibbosus	5.00	2	0.12	
Todarodes sagittatus	3.40	60	5.52	
Todaropsis eblanae	3.00	10	4.97	41
Pagellus bellottii	2.40	18	3.90	
Spicara alta	1.00	4	1.62	
Total	61.60		100.00	

PROJECT STATION: 257
 DATE:11/ 8/91 GEAR TYPE: ET No:1 POSITION:Lat S 609 Long E 1136
 start stop duration
 TIME :13:22:00 13:52:00 30 (min) Purpose code: 3
 LOG :1983.40 1984.50 1.57 Area code : 2
 FDEPTH: 125 139 GearCond.code:
 BDEPTH: 125 139 Validity code:
 Towing dir: 328° Wire out: 550 m Speed: 31 kn*10
 Sorted: 30 Kg Total catch: 109.50 CATCH/HOUR: 219.00

SPECIES	CATCH/HOUR		% OF TOT. C	SAMP.NO.
	weight	numbers		
Trachurus trecae	108.60	2052	49.59	48
Dentex angolensis	16.20	160	16.53	47
Todarodes sagittatus	33.00	990	15.07	49
Saurida brasiliensis	18.00		6.22	
Dentex congoensis	8.40	522	3.84	
Todaropsis eblanae	5.40	8	2.47	
Arionna bondi	5.40	60	2.47	
Trichiurus lepturus	3.40	2	1.55	
Boops boops	0.60	6	0.27	
Total	219.00		100.01	

PROJECT STATION: 254
 DATE:10/ 8/91 GEAR TYPE: BT No:1 POSITION:Lat S 557 Long E 1148
 start stop duration
 TIME :15:51:00 16:21:00 30 (min) Purpose code: 3
 LOG :1922.00 1923.10 1.54 Area code : 2
 FDEPTH: 80 85 GearCond.code:
 BDEPTH: 80 85 Validity code:
 Towing dir: 320° Wire out: 400 m Speed: 30 kn*10
 Sorted: 24 Kg Total catch: 173.30 CATCH/HOUR: 346.60

SPECIES	CATCH/HOUR		% OF TOT. C	SAMP.NO.
	weight	numbers		
Pentheroscion mbizi	274.00	2870	50.20	42
Umbriina canariensis	95.00	266	27.41	43
Trichiurus lepturus	50.00	1080	14.43	
Epinephelus aeneus	11.60	2	3.35	
Dentex angolensis	9.00	50	2.60	
Boops boops	2.00	10	0.58	
Trachurus trecae	2.00	30	0.58	
Torpedo torpedo	1.40	2	0.40	
Epinephelus goreensis	1.00	2	0.29	
Parapanaeus longirostris	0.50	50	0.24	
Total	346.50		99.98	

PROJECT STATION: 258
 DATE:11/ 8/91 GEAR TYPE: BT No:1 POSITION:Lat S 609 Long E 1130
 start stop duration
 TIME :14:42:00 15:12:00 30 (min) Purpose code: 3
 LOG :1989.90 1990.80 1.54 Area code : 2
 FDEPTH: 204 224 GearCond.code:
 BDEPTH: 204 224 Validity code:
 Towing dir: 321° Wire out: 800 m Speed: 30 kn*10
 Sorted: 33 Kg Total catch: 219.20 CATCH/HOUR: 438.40

SPECIES	CATCH/HOUR		% OF TOT. C	SAMP.NO.
	weight	numbers		
Synagrops microlepis	276.00	13332	62.96	51
Todarodes sagittatus	48.00	912	10.95	
Dentex angolensis	28.00	96	6.39	50
MYCTOPHIDAE	12.00	4224	2.74	
Citharus linguatula	12.00		2.74	
Oicologlossa cuneata	12.00		2.74	
Trichiurus lepturus	12.00	84	2.74	
Pterothrissus belloci	12.00	108	2.74	
Todarodes sp.	8.40	72	1.52	
Zenopsis conchifer	8.40	36	1.52	
Pentheroscion mbizi	6.00	24	1.37	
Parapanaeus longirostris	1.20	216	0.27	
Sepia elegans	1.20	12	0.27	
Trigla lyra	1.20	12	0.27	
C R A B S	0.00	12		
Saurida brasiliensis	0.00	36		
Total	438.40		100.02	

PROJECT STATION: 255
 DATE:11/ 8/91 GEAR TYPE: BT No:1 POSITION:Lat S 610 Long E 1201
 start stop duration
 TIME :09:16:00 09:46:00 30 (min) Purpose code: 3
 LOG :1960.40 1961.60 1.60 Area code : 2
 FDEPTH: 43 49 GearCond.code:
 BDEPTH: 43 49 Validity code:
 Towing dir: 270° Wire out: 200 m Speed: 32 kn*10
 Sorted: 23 Kg Total catch: 23.10 CATCH/HOUR: 46.20

SPECIES	CATCH/HOUR		% OF TOT. C	SAMP.NO.
	weight	numbers		
Epinephelus alexandrinus	30.00	4	64.94	
Sparus pagrus africanus	5.40	4	11.69	
Alloteuthis africana	3.40	230	7.36	
Dentex barnardi	3.40	6	7.36	
Sphyraena guachancho	2.60	2	5.63	
Sparus caeruleostictus	1.40	2	3.03	
Trachurus capensis	0.60	2		
Uranoscopus albesca	0.60	2		
Total	46.20		100.01	

PROJECT STATION: 259
 DATE:11/ 8/91 GEAR TYPE: BT No:1 POSITION:Lat S 607 Long E 1126
 start stop duration
 TIME :15:58:00 16:28:00 30 (min) Purpose code: 3
 LOG :1994.90 1995.90 1.58 Area code : 2
 FDEPTH: 317 347 GearCond.code:
 BDEPTH: 317 347 Validity code:
 Towing dir: 340° Wire out:1000 m Speed: 31 kn*10
 Sorted: 30 Kg Total catch: 414.40 CATCH/HOUR: 828.80

SPECIES	CATCH/HOUR		% OF TOT. C	SAMP.NO.
	weight	numbers		
Merluccius polli, male	621.60	2588	75.00	53
Pterothrissus belloci	50.40	140	6.08	
Merluccius polli, female	50.40	224	6.08	52
Scorpaena notata	25.20	392	3.04	
Nematocarcinus africanus	19.60	3415	2.36	
Trichiurus lepturus	19.60	280	2.36	
Brosimiculus imberbis *	14.00	252	1.59	
Malacocephalus occidentalis	14.00	84	1.69	
Chlorophthalmus agassizii	8.40	56	1.01	
Laemonema laureysi	5.60	56	0.60	
Total	828.80		99.99	

PROJECT STATION: 256
 DATE:11/ 8/91 GEAR TYPE: ET No:1 POSITION:Lat S 610 Long E 1149
 start stop duration
 TIME :11:17:00 11:47:00 30 (min) Purpose code: 3
 LOG :1974.80 1972.80 1.40 Area code : 2
 FDEPTH: 84 88 GearCond.code:
 BDEPTH: 84 88 Validity code:
 Towing dir: 270° Wire out: 350 m Speed: 30 kn*10
 Sorted: 38 Kg Total catch: 37.50 CATCH/HOUR: 75.00

SPECIES	CATCH/HOUR		% OF TOT. C	SAMP.NO.
	weight	numbers		
Dentex gibbosus	23.20	4	30.93	
Dentex angolensis	23.20	116	30.93	45
Todarodes sagittatus	10.80	1026	14.40	46
Dentex congoensis	10.80	116	14.40	44
Todaropsis eblanae	4.00	174	5.33	
Dentex barnardi	3.00	14	4.00	
Total	75.00		99.99	

PROJECT STATION: 260
 DATE:12/ 8/91 GEAR TYPE: BT No:1 POSITION:Lat S 624 Long E 1217
 start stop duration
 TIME :06:33:00 06:58:00 25 (min) Purpose code: 3
 LOG :2110.20 2111.40 1.30 Area code : 2
 FDEPTH: 14 22 GearCond.code:
 BDEPTH: 14 22 Validity code:
 Towing dir: 180° Wire out: 100 m Speed: 30 kn*10
 Sorted: 26 Kg Total catch: 51.00 CATCH/HOUR: 122.40

SPECIES	CATCH/HOUR		% OF TOT. C	SAMP.NO.
	weight	numbers		
Pomadasys perotetii	58.56	77	47.84	55
Sphyraena sphyraena	19.20	53	15.69	
Sparus caeruleostictus	15.60	19	12.94	
Trachurus trecae	10.08	2185	8.24	56
Pagellus bellottii	5.76	34	4.71	
Sparus pagrus africanus	5.28	5	4.31	
Brachydeuterus auritus	3.36	43	2.75	
Dentex barnardi	3.36	5	2.75	
Feristedion cataphractum	0.48	5	0.39	
Selene dorsalis	0.48	5	0.39	
Chaetodon hoefleri	0.00	5		
Total	122.40		100.01	

PROJECT STATION: 261
 DATE:12/ 8/91 GEAR TYPE: BT No:1 POSITION:Lat S 629
 start stop duration Long E 1222
 TIME :08:06:00 08:36:00 30 (min) Purpose code: 3
 LOG :2119.00 2120.50 1.40 Area code : 2
 FDEPTH: 12 11 GearCond.code:
 BDEPTH: 12 11 Validity code:
 Towing dir: 150° Wire out: 100 m Speed: 29 km*10
 Sorted: 26 Kg Total catch: 344.30 CATCH/HOUR: 688.60

SPECIES	CATCH/HOUR		% OF TOT. C	SAMP.NO.
	weight	numbers		
<i>Ilisha africana</i>	228.00	14544	33.11	58
<i>Galeoides decadactylus</i>	117.60	984	17.08	
<i>Brachydeuterus auritus</i>	117.60	6000	17.08	59
<i>Chloroscombrus chrysurus</i>	100.80	10368	14.64	60
<i>Pseudotolithus senegalensis</i>	41.60	62	5.04	57
<i>Trichurus lepturus</i>	20.80	1512	4.18	
<i>Sardinella aurita</i>	16.00	1152	2.44	
<i>Selene dorsalis</i>	16.80	192	2.44	
<i>Sardinella maderensis</i>	7.20	480	1.05	
<i>Pomadasys peroteti</i>	5.00	9	0.73	
<i>Pomadasys jubelini</i>	3.40	4	0.49	
<i>Stromateus fiatola</i>	1.80	2	0.26	
<i>Pagellus bellottii</i>	1.60	4	0.23	
<i>Pomadasys incisus</i>	0.90	2	0.12	
<i>Sparus caeruleostictus</i>	0.80	2	0.12	
Total	688.60		100.01	

PROJECT STATION: 262
 DATE:12/ 8/91 GEAR TYPE: BT No:1 POSITION:Lat S 629
 start stop duration Long E 1218
 TIME :09:15:00 09:45:00 30 (min) Purpose code: 3
 LOG :2124.90 2126.30 1.70 Area code : 2
 FDEPTH: 22 25 GearCond.code:
 BDEPTH: 22 25 Validity code:
 Towing dir: 260° Wire out: 150 m Speed: 32 km*10
 Sorted: 28 Kg Total catch: 129.70 CATCH/HOUR: 259.40

SPECIES	CATCH/HOUR		% OF TOT. C	SAMP.NO.
	weight	numbers		
<i>Trachurus trecae</i>	108.60	28392	41.87	62
<i>Pagellus bellottii</i>	56.20	336	21.67	63
<i>Sparus caeruleostictus</i>	27.00	42	10.41	61
<i>Leptocottus armatus</i>	25.20	78	9.71	
<i>Pomadasys peroteti</i>	18.60	24	7.17	
<i>Dentex barnardi</i>	16.60	12	4.09	
<i>Sphyraena sphyraena</i>	6.00	12	2.31	
<i>Sphyraena guachancho</i>	4.20	6	1.62	
<i>Selene dorsalis</i>	1.80	18	0.69	
<i>Galeoides decadactylus</i>	0.60	6	0.23	
<i>Scomber japonicus</i>	0.60	24	0.23	
Total	259.40		100.00	

PROJECT STATION: 263
 DATE:12/ 8/91 GEAR TYPE: BT No:1 POSITION:Lat S 628
 start stop duration Long E 1210
 TIME :10:32:00 11:02:00 30 (min) Purpose code: 3
 LOG :2132.00 2133.30 1.60 Area code : 2
 FDEPTH: 38 41 GearCond.code:
 BDEPTH: 38 41 Validity code:
 Towing dir: 260° Wire out: 200 m Speed: 30 km*10
 Sorted: 63 Kg Total catch: 60.10 CATCH/HOUR: 120.20

SPECIES	CATCH/HOUR		% OF TOT. C	SAMP.NO.
	weight	numbers		
<i>Pagellus bellottii</i>	56.60	406	47.09	64
<i>Sparus caeruleostictus</i>	24.00	38	20.63	
<i>Allotautis africana</i>	7.00	2028	6.49	
<i>Todarodes sagittatus</i>	7.00	1820	5.82	
<i>Dentex gibbosus</i>	6.40	12	5.32	
<i>Fistularia petimba</i>	5.00	14	4.16	
<i>Epinephelus alexandrinus</i>	3.20	2	2.66	
<i>Caranx crysos</i>	2.60	2	2.16	
<i>Zeus faber</i>	2.60	2	2.16	
<i>Sphyraena guachancho</i>	2.40	2	2.00	
<i>Sepia officinalis hierredda</i>	1.60	2	1.33	
<i>Octopus vulgaris</i>	0.20	2	0.17	
Total	120.20		99.99	

PROJECT STATION: 264
 DATE:12/ 8/91 GEAR TYPE: BT No:1 POSITION:Lat S 629
 start stop duration Long E 1202
 TIME :11:53:00 12:23:00 30 (min) Purpose code: 3
 LOG :2139.70 2141.60 1.50 Area code : 2
 FDEPTH: 78 85 GearCond.code:
 BDEPTH: 78 85 Validity code:
 Towing dir: 260° Wire out: 350 m Speed: 30 km*10
 Sorted: Kg Total catch: 63.25 CATCH/HOUR: 126.50

SPECIES	CATCH/HOUR		% OF TOT. C	SAMP.NO.
	weight	numbers		
<i>Dentex congoensis</i>	58.00	722	45.65	66
<i>Dentex angolensis</i>	37.00	180	29.25	65
<i>Dentex gibbosus</i>	10.00	4	7.91	
<i>Illex sp.</i>	5.00	260	3.95	
<i>Trichurus lepturus</i>	4.00	2	3.16	
<i>Epinephelus aeneus</i>	4.00	2	3.16	
<i>Pagellus bellottii</i>	3.00	4	2.37	
<i>Dentex barnardi</i>	3.00	12	2.37	
<i>Trachurus trecae</i>	2.00	52	1.58	
<i>Boops boops</i>	0.40	12	0.32	
<i>Scomber japonicus</i>	0.10	2	0.08	
Total	126.50		100.00	

PROJECT STATION: 265
 DATE:12/ 8/91 GEAR TYPE: BT No:1 POSITION:Lat S 629
 start stop duration Long E 1149
 TIME :13:40:00 14:10:00 30 (min) Purpose code: 3
 LOG :2151.70 2153.10 1.50 Area code : 2
 FDEPTH: 113 115 GearCond.code:
 BDEPTH: 113 115 Validity code:
 Towing dir: 260° Wire out: 550 m Speed: 29 km*10
 Sorted: 36 Kg Total catch: 215.40 CATCH/HOUR: 430.80

SPECIES	CATCH/HOUR		% OF TOT. C	SAMP.NO.
	weight	numbers		
<i>Illex coindetii</i>	240.00	6600	95.71	69
<i>Dentex congoensis</i>	84.00	1008	19.50	68
<i>Dentex angolensis</i>	78.00	396	18.11	67
<i>Trachurus trecae</i>	18.00	420	4.18	70
<i>Todarodes sagittatus</i>	10.80	60	2.51	
Total	430.80		100.01	

PROJECT STATION: 266
 DATE:12/ 8/91 GEAR TYPE: BT No:1 POSITION:Lat S 628
 start stop duration Long E 1136
 TIME :15:22:00 15:52:00 30 (min) Purpose code: 3
 LOG :2162.60 2164.20 1.74 Area code : 2
 FDEPTH: 199 211 GearCond.code:
 BDEPTH: 199 211 Validity code:
 Towing dir: 325° Wire out: 800 m Speed: 33 km*10
 Sorted: 37 Kg Total catch: 336.40 CATCH/HOUR: 672.80

SPECIES	CATCH/HOUR		% OF TOT. C	SAMP.NO.
	weight	numbers		
<i>Synagrops microlepis</i>	342.00	20862	50.83	
<i>Illex coindetii</i>	234.00	3672	34.78	71
<i>Zenopsis conchifer</i>	27.00	90	4.01	
<i>Merluccius polli</i>	18.00	90	2.68	
<i>Chlorophthalmus atlanticus</i>	14.40	468	2.14	
<i>Todarodes sagittatus</i>	10.80	144	1.61	
<i>Dentex angolensis</i>	9.20	24	1.37	
<i>Trichurus lepturus</i>	8.40	36	1.25	
MYCTOPHIDAE	3.60	1746	0.54	
<i>Pentheroscion mbizi</i>	3.60	18	0.54	
<i>Uranoscopus cadenati</i>	1.80	18	0.27	
<i>Parapanaeus longirostris</i>	0.00	108		
Total	672.80		100.02	

PROJECT STATION: 267
 DATE:12/ 8/91 GEAR TYPE: BT No:1 POSITION:Lat S 628
 start stop duration Long E 1135
 TIME :16:51:00 17:21:00 30 (min) Purpose code: 3
 LOG :2170.20 2171.60 1.60 Area code : 2
 FDEPTH: 299 298 GearCond.code:
 BDEPTH: 299 298 Validity code:
 Towing dir: 325° Wire out: 1000 m Speed: 31 km*10
 Sorted: 34 Kg Total catch: 511.50 CATCH/HOUR: 1023.00

SPECIES	CATCH/HOUR		% OF TOT. C	SAMP.NO.
	weight	numbers		
<i>Synagrops microlepis</i>	420.00	12810	41.06	72
<i>Merluccius polli, male</i>	261.00	1560	25.51	74
<i>Chlorophthalmus atlanticus</i>	117.00	2190	11.44	
<i>Ariomma bondi</i>	72.00	1170	7.04	
<i>Merluccius polli, female</i>	54.00	480	5.28	73
MYCTOPHIDAE	39.00	12270	3.81	
<i>Parapanaeus longirostris</i>	24.00	180	2.35	
<i>Todarodes sagittatus</i>	9.00	60	0.88	
<i>Pterothrissus deltoideus</i>	9.00	60	0.88	
<i>Brosimolus imberbis</i>	9.00	150	0.88	
<i>Illex coindetii</i>	6.00	60	0.59	
<i>Sepia officinalis hierredda</i>	3.00	60	0.29	
Total	1023.00		100.01	

PROJECT STATION: 268
 DATE:12/ 8/91 GEAR TYPE: BT No:1 POSITION:Lat S 649
 start stop duration Long E 1211
 TIME :08:17:00 08:47:00 30 (min) Purpose code: 3
 LOG :2325.60 2327.10 1.50 Area code : 2
 FDEPTH: 66 70 GearCond.code:
 BDEPTH: 66 70 Validity code:
 Towing dir: 270° Wire out: 300 m Speed: 30 km*10
 Sorted: 29 Kg Total catch: 164.10 CATCH/HOUR: 328.20

SPECIES	CATCH/HOUR		% OF TOT. C	SAMP.NO.
	weight	numbers		
<i>Dentex congoensis</i>	200.00	2720	60.94	75
<i>Dentex gibbosus</i>	25.00	30	7.62	
<i>Allotautis africana</i>	22.00	5090	6.70	
<i>Trachurus trecae</i>	22.00	380	6.70	76
<i>Pagellus bellottii</i>	18.00	250	5.48	
<i>Epinephelus aeneus</i>	16.00	2	4.68	
<i>Galeorhinus galeus</i>	9.00	4	2.99	
<i>Fistularia petimba</i>	9.00	30	2.66	
<i>Scomber japonicus</i>	3.00	70	0.91	
<i>Sardinella aurita</i>	1.00	10	0.30	
<i>Illex coindetii</i>	1.00	10	0.30	
<i>Boops boops</i>	1.00	20	0.30	
Total	328.20		99.58	

PROJECT STATION: 269
 DATE: 13/ 0/91 GEAR TYPE: BT No:1 POSITION: Lat S 649 Long E 1206
 start stop duration
 TIME :09:23:00 09:53:00 30 (min) Purpose code: 3
 LOG :2330.80 2332.50 1.70 Area code : 2
 FDEPTH: 78 80 GearCond.code:
 BDEPTH: 78 80 Validity code:
 Towing dir: 270° Wire out: 300 m Speed: 32 km*10

Sorted: Kg Total catch: 23.10 CATCH/HOUR: 40.20

SPECIES	CATCH/HOUR		% OF TOT. C	SAMP.NO.
	weight	numbers		
Atractoscion aequidens	12.40	2	30.85	
Illex coindetii	12.00	440	29.85	
Fistularia petimba	9.80	22	24.38	
Pagellus bellottii	2.40	10	5.97	
Trachurus trecae	1.80	34	4.40	
Raja miraletus	1.20	2	2.99	
Dentex congoensis	0.40	8	1.00	
Scomber japonicus	0.20	4	0.50	
Total	40.20		100.02	

PROJECT STATION: 273
 DATE: 13/ 0/91 GEAR TYPE: BT No:1 POSITION: Lat S 650 Long E 1146
 start stop duration
 TIME :16:41:00 17:11:00 30 (min) Purpose code: 3
 LOG :2372.00 2373.60 1.60 Area code : 2
 FDEPTH: 343 351 GearCond.code:
 BDEPTH: 343 351 Validity code:
 Towing dir: 330° Wire out: 1050 m Speed: 31 km*10

Sorted: 32 Kg Total catch: 226.57 CATCH/HOUR: 453.14

SPECIES	CATCH/HOUR		% OF TOT. C	SAMP.NO.
	weight	numbers		
Merluccius polli, male	190.40	794	42.02	85
Chlorophthalmus atlanticus	70.00	980	15.45	
Merluccius polli, female	57.40	322	12.67	84
MYCTOPHIDAE	35.00	13650	7.72	
Etmopterus spinax	21.00	196	4.63	
Benthodesmus tenuis	19.60	588	4.23	
Pterothrissus belloci	16.80	94	3.71	
Illex coindetii	11.20	126	2.47	
Trichiurus lepturus	11.20	14	2.47	
Scorpaena normani	7.00	126	1.54	
Hymenocephalus italicus	2.80	196	0.62	
Epigonus sp.	2.80	28	0.62	
Brosimiculus imberbis *	2.80	70	0.62	
Malacocephalus occidentalis	1.40	14	0.31	
Stereomastis sculpta	1.40	154	0.31	
Nematocarcinus africanus	1.40	658	0.31	
Laemonema laureysi	0.80	14	0.18	
Chaunax sp.	0.14	14	0.03	
Halieutaea spicata	0.00	14		
Total	453.14		100.01	

PROJECT STATION: 270
 DATE: 13/ 0/91 GEAR TYPE: BT No:1 POSITION: Lat S 649 Long E 1154
 start stop duration
 TIME :11:04:00 11:30:00 26 (min) Purpose code: 3
 LOG :2341.70 2342.90 1.30 Area code : 2
 FDEPTH: 112 131 GearCond.code:
 BDEPTH: 112 131 Validity code:
 Towing dir: 270° Wire out: 400 m Speed: 29 km*10

Sorted: Kg Total catch: 34.30 CATCH/HOUR: 79.15

SPECIES	CATCH/HOUR		% OF TOT. C	SAMP.NO.
	weight	numbers		
Epinephelus goreensis	55.38	2	69.97	
Sparus caeruleostictus	8.08	7	10.21	
Cubiceps sp.	4.38	288	5.53	
Illex coindetii	3.46	388	4.37	
Todaropsis eblanae	2.31	106	2.92	77
Dentex angolensis	2.31	7	2.92	
Trachurus trecae	2.08	42	2.63	
Dentex congoensis	1.15	12	1.45	
Total	79.15		100.00	

PROJECT STATION: 274
 DATE: 14/ 0/91 GEAR TYPE: PT No: POSITION: Lat S 705 Long E 1240
 start stop duration
 TIME :02:24:00 02:54:00 30 (min) Purpose code: 1
 LOG :2468.40 2469.70 1.66 Area code : 2
 FDEPTH: 0 0 GearCond.code:
 BDEPTH: 23 20 Validity code:
 Towing dir: 5° Wire out: 50 m Speed: 33 km*10

Sorted: 29 Kg Total catch: 176.70 CATCH/HOUR: 353.40

SPECIES	CATCH/HOUR		% OF TOT. C	SAMP.NO.
	weight	numbers		
Sardinella maderensis	94.80	432	26.89	86
Brachydeuterus auritus	92.40	858	25.15	
Sardinella aurita	92.40	288	25.15	87
Trachurus trecae	70.80	756	23.03	88
Decapterus punctatus	2.40	36	0.68	
Scomber japonicus	0.60	24	0.17	
Total	353.40		100.01	

PROJECT STATION: 271
 DATE: 13/ 0/91 GEAR TYPE: BT No:1 POSITION: Lat S 648 Long E 1148
 start stop duration
 TIME :12:21:00 12:51:00 30 (min) Purpose code: 3
 LOG :2348.30 2349.90 1.59 Area code : 2
 FDEPTH: 247 249 GearCond.code:
 BDEPTH: 247 249 Validity code:
 Towing dir: 320° Wire out: 900 m Speed: 31 km*10

Sorted: 34 Kg Total catch: 432.16 CATCH/HOUR: 964.32

SPECIES	CATCH/HOUR		% OF TOT. C	SAMP.NO.
	weight	numbers		
Synagrops microlepis	288.00	102072	33.32	78
Chlorophthalmus atlanticus	208.80	4296	24.16	79
Merluccius polli, male	156.00	384	18.05	81
MYCTOPHIDAE	81.60	49920	9.44	
Dentex angolensis	56.00	122	6.40	
Zenopsis conchifer	45.60	72	5.28	
Illex coindetii	12.00	192	1.39	
Todaropsis eblanae	8.40	72	0.97	
Merluccius polli, female	7.20	24	0.83	80
Parapenaeus longirostris	0.72	72	0.08	
Total	964.32		100.00	

PROJECT STATION: 275
 DATE: 14/ 0/91 GEAR TYPE: BT No:1 POSITION: Lat S 713 Long E 1243
 start stop duration
 TIME :08:15:00 08:45:00 30 (min) Purpose code: 3
 LOG :2526.50 2527.90 1.60 Area code : 2
 FDEPTH: 27 30 GearCond.code:
 BDEPTH: 27 30 Validity code:
 Towing dir: 270° Wire out: 150 m Speed: 31 km*10

Sorted: 13 Kg Total catch: 66.90 CATCH/HOUR: 133.00

SPECIES	CATCH/HOUR		% OF TOT. C	SAMP.NO.
	weight	numbers		
Dentex bairdii	36.80	60	27.67	90
Dentex macrophthalmus	31.80	18	23.91	
Boops boops	21.40	1444	16.09	89
Alloteuthis africana	15.90	2148	11.95	
Caranx crysos	5.00	4	3.75	
Pagellus bellottii	4.80	12	3.61	
Sparus caeruleostictus	4.00	12	3.01	
Atractoscion aequidens	3.40	2	2.56	
Epinephelus aeneus	3.40	2	2.56	
Plectorhynchus mediterraneus	2.40	2	1.80	
Echaneis naucrates	2.00	2	1.52	
Umbrina ronchus	1.80	2	1.35	
Decapterus punctatus	0.30	12	0.23	
Total	133.00		100.00	

PROJECT STATION: 272
 DATE: 13/ 0/91 GEAR TYPE: ET No:1 POSITION: Lat S 645 Long E 1143
 start stop duration
 TIME :13:44:00 14:14:00 30 (min) Purpose code: 3
 LOG :2354.50 2355.90 1.62 Area code : 2
 FDEPTH: 349 347 GearCond.code:
 BDEPTH: 349 347 Validity code:
 Towing dir: 320° Wire out: 1100 m Speed: 30 km*10

Sorted: 39 Kg Total catch: 352.40 CATCH/HOUR: 704.90

SPECIES	CATCH/HOUR		% OF TOT. C	SAMP.NO.
	weight	numbers		
Merluccius polli, male	203.40	960	28.86	83
Merluccius polli, female	165.60	612	23.50	82
MYCTOPHIDAE	72.00		10.22	
Chlorophthalmus atlanticus	45.00	666	6.38	
Etmopterus spinax	32.40	126	4.60	
Benthodesmus tenuis	30.60	216	4.34	
Brosimiculus imberbis *	30.60	54	4.34	
Malacocephalus occidentalis	30.60	54	4.34	
Scorpaena normani	25.20	504	3.58	
Pterothrissus belloci	18.00	90	2.55	
Epigonus sp.	18.00	126	2.55	
Hymenocephalus italicus	12.60	234	1.79	
Illex coindetii	10.80	108	1.53	
Zenopsis conchifer	3.60	18	0.51	
Todaropsis eblanae	1.80	18	0.26	
Arionna bondi	1.80	18	0.26	
Boops sp.	1.80	18	0.26	
Nezumia sulilla	1.20		0.17	
Total	705.00		100.04	

PROJECT STATION: 276
 DATE: 14/ 0/91 GEAR TYPE: BT No:1 POSITION: Lat S 714 Long E 1232
 start stop duration
 TIME :09:55:00 10:25:00 30 (min) Purpose code: 3
 LOG :2537.50 2539.00 1.60 Area code : 2
 FDEPTH: 56 67 GearCond.code:
 BDEPTH: 56 67 Validity code:
 Towing dir: 270° Wire out: 250 m Speed: 32 km*10

Sorted: 37 Kg Total catch: 136.90 CATCH/HOUR: 273.80

SPECIES	CATCH/HOUR		% OF TOT. C	SAMP.NO.
	weight	numbers		
Pagellus bellottii	247.20	2744	90.28	91
Sarda sarda	5.20	2	1.90	
Squatina oculata	5.00	2	1.83	
Sparus caeruleostictus	4.20	8	1.53	
Fistularia petimba	4.00	10	1.46	
Illex sp.	3.60	798	1.31	
Zeus feber	1.80	2	0.66	
Sepia officinalis hispidella	1.40	2	0.51	
Alloteuthis africana	0.70	204	0.26	
Scomber japonicus	0.70	36	0.26	
Total	273.80		100.00	

PROJECT STATION: 277
 GATE:14/ 8/91 GEAR TYPE: BT No:1 POSITION:Lat S 713
 start stop duration Long E 1240
 TIME :11:23:00 11:53:00 30 (min) Purpose code: 3
 LOG :2546.00 2547.30 1.30 Area code : 2
 FDEPTH: 102 107 GearCond.code:
 BDEPTH: 102 107 Validity code:
 Towing dir: 270° Wire out: 400 m Speed: 31 kn*10
 Sorted: 64 Kg Total catch: 926.40 CATCH/HOUR: 1852.30

SPECIES	CATCH/HOUR		% OF TOT. C	SAMP.NO.
	weight	numbers		
Trachurus trecae	812.00	15792	43.83	96
Umbrina canariensis	564.40	2044	30.46	92
Trachurus trecae	224.00	532	12.09	95
Dentex congcoensis	126.00	924	6.80	94
Dentex angolensis	50.00	202	2.70	93
Sparus caeruleostictus	28.00	28	1.51	
Priacanthus cruentatus	14.00	28	0.76	
Centex barnardi	9.60	28	0.52	
Pagellus bellottii	5.60	20	0.30	
Boops boops	5.60	224	0.30	
Dentex gibbosus	5.00	2	0.27	
Sarda sarda	3.00	2	0.16	
Sardinella aurita	2.60	28	0.15	
Scomber japonicus	2.60	140	0.15	
Total	1852.80		100.00	

PROJECT STATION: 278
 DATE:14/ 8/91 GEAR TYPE: BT No:1 POSITION:Lat S 713
 start stop duration Long E 1209
 TIME :13:13:00 13:43:00 30 (min) Purpose code: 3
 LOG :2558.50 2559.70 1.55 Area code : 2
 FDEPTH: 183 185 GearCond.code:
 BDEPTH: 183 185 Validity code:
 Towing dir: 320° Wire out: 300 m Speed: 30 kn*10
 Sorted: 37 Kg Total catch: 125.55 CATCH/HOUR: 251.10

SPECIES	CATCH/HOUR		% OF TOT. C	SAMP.NO.
	weight	numbers		
Todarodes sp.	120.00	1416	47.79	99
Dentex congcoensis	30.40	88	12.11	97
Trichurus lepturus	27.20	120	10.83	
Todarodes sagittatus	19.80	318	7.89	98
Trachurus trecae	18.00	324	7.17	
Zenopsis conchifer	15.00	120	5.97	
Squatina aculeata	6.00	6	2.39	
Pentheroscion mbizi	6.00	18	2.39	
Ariomma bondi	3.00	42	1.19	
Merluccius polli	2.40	12	0.96	
Pterichthys belloci	2.40	12	0.96	
Spicara alta	0.90	6	0.36	
Total	251.10		100.01	

PROJECT STATION: 279
 DATE:14/ 8/91 GEAR TYPE: BT No:1 POSITION:Lat S 708
 start stop duration Long E 1206
 TIME :14:30:00 15:00:00 30 (min) Purpose code: 3
 LOG :2563.90 2565.30 1.55 Area code : 2
 FDEPTH: 128 122 GearCond.code:
 BDEPTH: 128 122 Validity code:
 Towing dir: 320° Wire out: 500 m Speed: 30 kn*10
 Sorted: 29 Kg Total catch: 184.60 CATCH/HOUR: 369.20

SPECIES	CATCH/HOUR		% OF TOT. C	SAMP.NO.
	weight	numbers		
Dentex congcoensis	192.00	2760	52.00	100
Dentex angolensis	60.00	300	16.25	101
Trachurus trecae	51.60	924	13.98	102
Sparus pagrus africanus	18.00	14	4.88	
Sarda sarda	18.00	12	4.88	
Ariomma bondi	6.00	96	1.63	
Boops boops	6.00	84	1.63	
Heptranchias serlo	5.20	2	1.41	
Zenopsis conchifer	4.80	12	1.30	
Spicara alta	4.80	60	1.30	
Dentex gibbosus	2.80	2	0.76	
Total	369.20		100.02	

PROJECT STATION: 280
 DATE:14/ 8/91 GEAR TYPE: BT No:1 POSITION:Lat S 716
 start stop duration Long E 1204
 TIME :17:06:00 17:36:00 30 (min) Purpose code: 3
 LOG :2584.20 2585.70 1.53 Area code : 2
 FDEPTH: 344 337 GearCond.code:
 BDEPTH: 344 337 Validity code:
 Towing dir: 137° Wire out:1100 m Speed: 30 kn*10
 Sorted: 33 Kg Total catch: 331.20 CATCH/HOUR: 662.40

SPECIES	CATCH/HOUR		% OF TOT. C	SAMP.NO.
	weight	numbers		
Merluccius polli, male	326.40	740	49.28	105
Nematocarcinus africanus	126.00	23160	19.02	
Merluccius polli, female	74.00	220	11.17	104
Chlorophthalmus atlanticus	40.00	840	6.64	106
Chlorophthalmus sp.	22.00	300	3.32	
Scorpaena normani	22.00	620	3.32	103
Malacocephalus laevis	10.00	40	1.51	
Todarodes sagittatus	10.00	40	1.51	
Illex coindetii	10.00	40	1.51	
Brosmiculus imberbis *	8.00	100	1.21	
Zenopsis conchifer	4.00	20	3.60	
Etmopterus spinax	2.00	40	0.30	
Hymenocephalus italicus	2.00	80	0.30	
Laemonema laureysi	2.00	20	0.30	
MYCTOPHIDAE	2.00	860	0.30	
Benthodesmus tenuis	2.00	60	0.30	
Psenes sp.	0.00	20		
Total	662.40		99.99	

PROJECT STATION: 281
 DATE:15/ 8/91 GEAR TYPE: BT No:1 POSITION:Lat S 730
 start stop duration Long E 1242
 TIME :06:40:00 07:10:00 30 (min) Purpose code: 3
 LOG :2713.90 2715.40 1.60 Area code : 2
 FDEPTH: 71 77 GearCond.code:
 BDEPTH: 71 77 Validity code:
 Towing dir: 270° Wire out: 300 m Speed: 31 kn*10
 Sorted: 20 Kg Total catch: 46.70 CATCH/HOUR: 93.40

SPECIES	CATCH/HOUR		% OF TOT. C	SAMP.NO.
	weight	numbers		
Trachurus trecae	32.00	524	34.26	109
Dentex congcoensis	12.80	196	13.70	107
Umbrina canariensis	9.60	8	10.28	
Zeus faber	6.80	12	7.28	
Pagellus bellottii	5.60	40	6.00	
Atractoscion aequidens	5.40	2	5.78	
Sepia officinalis hierredda	5.00	4	5.35	
Dentex barnardi	3.60	12	3.85	
Trichurus lepturus	3.20	8	3.43	
Fistularia petimba	3.00	4	3.21	
Illex coindetii	2.80	40	3.00	
Zenopsis conchifer	1.60	4	1.71	
Illex sp.	0.80	44	0.86	
Scomber japonicus	0.40	4	0.43	
Dentex angolensis	0.40	4	0.43	
Ailoteuthis africana	0.40	8	0.43	
Total	93.40		100.00	

PROJECT STATION: 282
 DATE:15/ 8/91 GEAR TYPE: BT No:1 POSITION:Lat S 730
 start stop duration Long E 1237
 TIME :08:12:00 08:42:00 30 (min) Purpose code: 3
 LOG :2720.90 2722.50 1.50 Area code : 2
 FDEPTH: 92 83 GearCond.code:
 BDEPTH: 92 83 Validity code:
 Towing dir: 50° Wire out: 350 m Speed: 29 kn*10
 Sorted: 33 Kg Total catch: 186.90 CATCH/HOUR: 373.80

SPECIES	CATCH/HOUR		% OF TOT. C	SAMP.NO.
	weight	numbers		
Trachurus trecae	147.00	2850	39.33	109
Boops boops	89.00	4150	23.81	110
Spicara alta	51.00	6050	13.64	111
Epinephelus goreensis	24.00	6	6.42	
Dentex barnardi	15.00	60	4.01	
Illex sp.	7.00	740	1.87	
Dentex angolensis	7.00	30	1.87	
Pagellus bellottii	7.00	40	1.87	
Umbrina canariensis	6.20	8	1.66	
Epinephelus aeneus	5.80	4	1.55	
Atractoscion aequidens	4.80	2	1.28	
Chaetodon hoefleri	4.00	20	1.07	
Todarodes sagittatus	1.00	10	0.27	
Ailoteuthis africana	1.00	70	0.27	
Illex coindetii	1.00	110	0.27	
Saurida brasiliensis	1.00	90	0.27	
Zeus faber	1.00	2	0.27	
Dentex congcoensis	1.00	20	0.27	
Total	373.80		100.00	

PROJECT STATION: 283
 DATE: 15/ 0/91 GEAR TYPE: BT No:1 POSITION: Lat S 730 Long E 1227
 start stop duration
 TIME :11:38:00 12:08:00 30 (min) Purpose code: 3
 LOG :2745.20 2746.60 1.60 Area code : 2
 FDEPTH: 254 214 GearCond.code:
 BDEPTH: 254 214 Validity code:
 Towing dir: 340° Wire out: 900 m Speed: 31 kn*10
 Sorted: 28 Kg Total catch: 403.40 CATCH/HOUR: 905.80

SPECIES	CATCH/HOUR	% OF TOT. C	SAMP. NO.
	weight numbers		
Merluccius polli, male	393.20	1848	41.30
Synagrops microlepis	190.40	7096	23.60
Chlorophthalmus atlanticus	187.60	560	23.25
Squatina aculeata	28.00	2	3.47
Zenopsis conchifer	28.00	56	3.47
Merluccius polli, female	11.20	56	1.39
Parapenaeus longirostris, fem.	5.60	336	0.69
Trichurus lepturus	5.60	28	0.69
Parapenaeus longirostris, male	4.20	224	0.52
Pterothrissus belloci	4.20	28	0.52
Dentex angolensis	3.60	8	0.45
Colelinchus coelorhincus	2.80	56	0.35
Sepia officinalis hierredda	1.40	28	0.17
Spicara alta	1.00	4	0.12
Munida sp.	0.00	84	
Solenocera africana	0.00	28	
Chlorophthalmus sp.	0.00	28	
Total	905.80	99.99	

PROJECT STATION: 284
 DATE: 15/ 0/91 GEAR TYPE: BT No:1 POSITION: Lat S 730 Long E 1231
 start stop duration
 TIME :14:36:00 15:06:00 30 (min) Purpose code: 3
 LOG :2767.20 2768.70 1.49 Area code : 2
 FDEPTH: 312 308 GearCond.code:
 BDEPTH: 312 308 Validity code:
 Towing dir: 340° Wire out: 1000 m Speed: 28 kn*10
 Sorted: 29 Kg Total catch: 197.80 CATCH/HOUR: 395.60

SPECIES	CATCH/HOUR	% OF TOT. C	SAMP. NO.
	weight numbers		
Centrophorus uyato	102.00	24	25.78
Merluccius polli, male	84.00	540	21.23
Merluccius polli, female	78.00	280	19.72
Nematocarcinus africanus	35.00	15400	8.85
Chlorophthalmus atlanticus	25.00	420	6.32
Trichurus lepturus	20.00	230	5.06
Brosmiculus imberbis *	18.00	180	4.55
Pterothrissus belloci	17.00	90	4.30
Gephyroberyx darwini	5.00	10	1.26
Trigla sp.	2.00	10	0.51
MYCTOPHIDAE	2.00	570	0.51
Neomerinthe polygori	2.00	50	0.51
Ma'acocephalus occidentalis	2.00	10	0.51
Epigonus sp.	2.00	20	0.51
Munida sp.	0.50	60	0.12
Conger conger	0.50	10	0.13
Scorpanna normani	0.50	10	0.13
Laemoneira lauraysi	0.10	20	0.03
Solenocera africana	0.00	10	
Total	395.60	100.04	

PROJECT STATION: 285
 DATE: 15/ 0/91 GEAR TYPE: BT No:1 POSITION: Lat S 739 Long E 1232
 start stop duration
 TIME :16:15:00 16:45:00 30 (min) Purpose code: 3
 LOG :2775.40 2776.90 1.61 Area code : 2
 FDEPTH: 154 155 GearCond.code:
 BDEPTH: 154 155 Validity code:
 Towing dir: 330° Wire out: 650 m Speed: 32 kn*10
 Sorted: 38 Kg Total catch: 231.00 CATCH/HOUR: 462.00

SPECIES	CATCH/HOUR	% OF TOT. C	SAMP. NO.
	weight numbers		
Synagrops microlepis	69.40	3564	14.81
Pterothrissus belloci	60.00	360	12.99
MYCTOPHIDAE	54.00	32940	11.69
Umbra canariensis	48.00	86	10.39
Zenopsis conchifer	42.00	516	9.05
Epinephelus caninus	40.00	2	8.66
Dentex angolensis	30.00	62	6.49
Illex sp.	22.80	408	4.94
Chlorophthalmus atlanticus	22.80	1452	4.94
Trachurus trecae	21.00	78	4.55
Merluccius merluccius	14.40	48	3.22
Parapenaeus longirostris	10.80	5184	2.34
Pentheroscion mbizi	8.40	36	2.82
Todaropsis eblanae	6.00	60	1.30
Uramoscopus albesca	4.80	48	1.04
Sargimelia aurita	3.00	6	0.65
Atractoscion aequidens	2.80	2	0.61
Srotula barbata	2.80	2	0.61
Total	462.00	100.04	

PROJECT STATION: 286
 DATE: 15/ 0/91 GEAR TYPE: PT No:4 POSITION: Lat S 745 Long E 1931
 start stop duration
 TIME :22:55:00 23:25:00 30 (min) Purpose code: 1
 LOG :2837.00 2838.00 1.00 Area code : 2
 FDEPTH: 0 0 GearCond.code:
 BDEPTH: 27 28 Validity code:
 Towing dir: 150° Wire out: 100 m Speed: 30 kn*10
 Sorted: 32 Kg Total catch: 645.00 CATCH/HOUR: 1290.00

SPECIES	CATCH/HOUR	% OF TOT. C	SAMP. NO.
	weight numbers		
Brachydeuterus auritus	760.00	5760	58.91
Sardinella maderensis	308.00	1120	23.88
Sardinella aurita	128.00	360	9.92
Trachurus trecae	36.00	280	2.79
Selene dorsalis	28.00	200	2.17
Pteroscion peli	16.00	200	1.24
Trichurus lepturus	8.00	240	0.62
Ilisha africana	6.00	40	0.47
Total	1290.00	100.00	

PROJECT STATION: 287
 DATE: 16/ 0/91 GEAR TYPE: PT No: POSITION: Lat S 800 Long E 1307
 start stop duration
 TIME :03:16:00 03:46:00 30 (min) Purpose code: 1
 LOG :2874.10 2875.50 1.63 Area code : 2
 FDEPTH: 0 0 GearCond.code:
 BDEPTH: 29 22 Validity code:
 Towing dir: 30° Wire out: 50 m Speed: 31 kn*10
 Sorted: 58 Kg Total catch: 803.20 CATCH/HOUR: 1618.40

SPECIES	CATCH/HOUR	% OF TOT. C	SAMP. NO.
	weight numbers		
Brachydeuterus auritus	784.00	9856	48.44
Sardinella maderensis	700.00	2744	43.25
Trachurus trecae	56.00	592	3.46
Sardinella aurita	56.00	168	3.46
Selene dorsalis	22.40	84	1.38
Total	1618.40	99.99	

PROJECT STATION: 288
 DATE: 16/ 0/91 GEAR TYPE: BT No:1 POSITION: Lat S 750 Long E 1303
 start stop duration
 TIME :07:10:00 07:40:00 30 (min) Purpose code: 3
 LOG :2908.80 2910.20 1.00 Area code : 2
 FDEPTH: 10 17 GearCond.code:
 BDEPTH: 10 17 Validity code:
 Towing dir: 336° Wire out: 100 m Speed: 35 kn*10
 Sorted: 28 Kg Total catch: 308.00 CATCH/HOUR: 616.00

SPECIES	CATCH/HOUR	% OF TOT. C	SAMP. NO.
	weight numbers		
Brachydeuterus auritus	409.20	15444	66.43
Hiracovina angolensis	85.00	1440	13.93
Pseudolithus senegalensis	41.80	72	6.79
Trachurus trecae	19.80	286	3.21
Ilisha africana	15.40	176	2.50
Trichurus lepturus	15.40	330	2.50
Atractoscion aequidens	13.20	22	2.14
Pomadasys peroteti	11.00	22	1.79
Galeoides decedactylus	2.20	22	0.36
Pentanemus quinquarius	2.20	22	0.36
Sepia officinalis hierredda	0.00	22	
NDMEIDAE	0.00	22	
Parapenaeopsis atlantica	0.00	110	
Total	616.00	100.01	

PROJECT STATION: 289
 DATE: 16/ 0/91 GEAR TYPE: BT No:1 POSITION: Lat S 749 Long E 1254
 start stop duration
 TIME :09:30:00 09:30:00 30 (min) Purpose code: 3
 LOG :2920.80 2922.30 1.50 Area code : 2
 FDEPTH: 67 58 GearCond.code:
 BDEPTH: 67 58 Validity code:
 Towing dir: 90° Wire out: 250 m Speed: 30 kn*10
 Sorted: Kg Total catch: CATCH/HOUR:

SPECIES	CATCH/HOUR	% OF TOT. C	SAMP. NO.
	weight numbers		
Trichurus lepturus	0.00	6	
Ilisha africana	0.00	4	
Selene dorsalis	0.00	4	
Total			

PROJECT STATION: 290
 DATE:16/ 8/91 GEAR TYPE: BT No:1 POSITION:Lat S 749 Long E 1250
 start stop duration
 TIME :10:35:00 11:03:00 30 (min) Purpose code: 3
 LOG :2929.96 2931.60 1.60 Area code : 2
 FDEPTH: 87 79 GearCond.code:
 BDEPTH: 87 79 Validity code:
 Towing dir: 90° Wire out: 350 m Speed: 31 km*10

Sorted: 36 Kg Total catch: 574.43 CATCH/HOUR: 1140.80

SPECIES	CATCH/HOUR		% OF TOT. C	SAMP.NO.
	weight	numbers		
Pagellus bellottii	784.00	4576	58.25	132
Ommastrephes pteropus	185.60	20096	16.15	
Dentex congoensis	67.20	736	5.85	133
Dentex angolensis	41.60	224	3.62	
Trachurus trecae	38.40	672	3.34	
Dentex barnardi	32.00	128	2.79	
Total	1140.80		100.01	

PROJECT STATION: 291
 DATE:16/ 8/91 GEAR TYPE: BT No:1 POSITION:Lat S 750 Long E 1246
 start stop duration
 TIME :11:50:00 12:20:00 30 (min) Purpose code: 3
 LOG :2936.90 2938.20 1.47 Area code : 2
 FDEPTH: 101 105 GearCond.code:
 BDEPTH: 101 105 Validity code:
 Towing dir: 230° Wire out: 400 m Speed: 31 km*10

Sorted: 30 Kg Total catch: 224.70 CATCH/HOUR: 449.40

SPECIES	CATCH/HOUR		% OF TOT. C	SAMP.NO.
	weight	numbers		
Trachurus trecae	215.00	3240	46.06	134
Boops boops	95.00	2689	21.36	
Illex sp.	42.00	3144	9.35	
Dentex gibbosus	34.40	12	7.65	
Atractoscion aequidens	24.40	14	5.43	
Argyrosomus hololepidotus	14.00	2	3.12	
Dentex angolensis	10.00	32	2.23	135
Anthias anthias	7.40	36	1.65	
Sarda sarda	2.00	2	0.45	
Dentex congoensis	2.00	20	0.45	
Scomber japonicus	1.20	24	0.27	
Total	449.40		100.02	

PROJECT STATION: 292
 DATE:16/ 8/91 GEAR TYPE: BT No:1 POSITION:Lat S 749 Long E 1237
 start stop duration
 TIME :13:44:00 14:14:00 30 (min) Purpose code: 3
 LOG :2945.70 2947.10 1.65 Area code : 2
 FDEPTH: 208 215 GearCond.code:
 BDEPTH: 208 215 Validity code:
 Towing dir: 330° Wire out: 800 m Speed: 31 km*10

Sorted: 33 Kg Total catch: 664.00 CATCH/HOUR: 1328.00

SPECIES	CATCH/HOUR		% OF TOT. C	SAMP.NO.
	weight	numbers		
Synagrops microlepis	1000.00	42200	75.30	136
Merluccius pollii, male	176.00	1000	13.25	138
Zenopsis conchifer	60.00	80	4.52	
Chlorophthalmus atlanticus	40.00	1160	3.01	
Merluccius pollii, female	15.00	80	1.20	137
Pterothrissus bellotti	16.00	80	1.20	
Trichurus lepturus	12.00	40	0.90	
Dentex macrophthalmus	6.00	20	0.45	
Chlorophthalmus sp.	2.00	120	0.15	
MYCTOPHIDAE	3.00	200		
Total	1328.00		99.98	

PROJECT STATION: 293
 DATE:16/ 8/91 GEAR TYPE: BT No:1 POSITION:Lat S 747 Long E 1235
 start stop duration
 TIME :14:52:00 15:22:00 30 (min) Purpose code: 3
 LOG :2949.30 2950.00 1.74 Area code : 2
 FDEPTH: 238 292 GearCond.code:
 BDEPTH: 238 292 Validity code:
 Towing dir: 330° Wire out:1000 m Speed: 32 km*10

Sorted: 35 Kg Total catch: 279.70 CATCH/HOUR: 559.40

SPECIES	CATCH/HOUR		% OF TOT. C	SAMP.NO.
	weight	numbers		
Merluccius pollii, female	118.40	432	21.17	139
Merluccius pollii, male	107.20	624	19.16	140
Chlorophthalmus atlanticus	104.00	1504	18.59	141
MYCTOPHIDAE	66.24	3200	11.84	
Trichurus lepturus	57.60	160	10.30	
Shrimps, small, non comm.	29.44	78392	5.26	
Brmsmiculus imberbis *	16.00	352	2.86	
Pterothrissus bellotti	16.00	80	2.86	
Zenopsis conchifer	9.60	32	1.72	
Neomerinthe folgarli	8.00	48	1.43	
Centroscymnus crepidater	5.00	2	0.89	
Todarodes sagittatus	3.20	32	0.57	
Illex coindetii	3.20	32	0.57	
Hymenocephalus italicus	3.20	48	0.57	
Triplophos sp.	3.20	200	0.57	
Gephyroberyx darwini	3.20	16	0.57	
Malacocephalus occidentalis	3.20	16	0.57	
Laemonema laureysi	1.60	16	0.29	
Parapenaeus longirostris	0.60	48	0.14	
Stomias affinis	0.16	16	0.03	
Hoplostethus occidentalis	0.16	16	0.03	
Total	559.40		99.99	

PROJECT STATION: 294
 DATE:16/ 8/91 GEAR TYPE: BT No:1 POSITION:Lat S 746 Long E 1234
 start stop duration
 TIME :16:06:00 16:36:00 30 (min) Purpose code: 3
 LOG :2952.90 2954.60 1.53 Area code : 2
 FDEPTH: 493 406 GearCond.code:
 BDEPTH: 403 406 Validity code:
 Towing dir: 141° Wire out:1200 m Speed: 29 km*10

Sorted: 29 Kg Total catch: 263.25 CATCH/HOUR: 526.50

SPECIES	CATCH/HOUR		% OF TOT. C	SAMP.NO.
	weight	numbers		
Menacanthus africanus	126.00	32550	23.93	
Centroscymnus crepidater	114.00	34	21.65	
Merluccius pollii, male	56.60	978	18.36	143
Merluccius pollii, female	47.60	154	9.04	142
Illex sp.	44.80	42	8.51	
Hoplostethus sp.	28.00	770	5.32	
Halleutichthys sp.	18.20	140	3.46	
Brmsmiculus imberbis *	14.00	350	2.66	
Laemonema laureysi	12.60	158	2.39	
Melanostomias sp.	7.00	84	1.33	
Lamprogrammus sp.	7.00	84	1.33	
Aristeus varians	2.10	126	0.40	
Triplophos hemingi	2.10	98	0.40	
Malacocephalus occidentalis	2.10	28	0.40	
Chaunax pictus	1.40	46	0.27	
Xenodermichthys socialis	1.40	98	0.27	
Peristedion sp.	0.80	14	0.15	
Coelorrincus coelorrincus	0.80	28	0.15	
Total	526.50		100.01	

PROJECT STATION: 295
 DATE:17/ 8/91 GEAR TYPE: BT No:1 POSITION:Lat S 800 Long E 1304
 start stop duration
 TIME :06:48:00 07:18:00 30 (min) Purpose code: 3
 LOG :3077.50 3079.20 1.60 Area code : 2
 FDEPTH: 48 37 GearCond.code:
 BDEPTH: 48 37 Validity code:
 Towing dir: 90° Wire out: 200 m Speed: 33 km*10

Sorted: 29 Kg Total catch: 314.40 CATCH/HOUR: 628.80

SPECIES	CATCH/HOUR		% OF TOT. C	SAMP.NO.
	weight	numbers		
Brachydeuterus auritus	278.20	13248	44.24	
Trichurus lepturus	86.40	6174	13.74	
Dentex barnardi	82.00	126	13.17	
Pseudotolithus senegalensis	62.40	50	9.32	145
Pomadasy incisus	37.00	162	6.01	
Trachurus trecae	36.00	324	5.73	
Pagellus bellottii	22.60	116	3.39	144
Miracorvina angolensis	10.80	1008	1.72	
Atractoscion aequidens	6.40	4	1.02	
Engraulis encrasicolus	1.80	126	0.29	
Penaeus notialis	1.80	252	0.29	
Halleutea spicata	1.80	180	0.29	
Selene dorsalis	0.00	18		
Total	628.80		100.01	

PROJECT STATION: 296
 DATE:17/ 8/91 GEAR TYPE: BT No:1 POSITION:Lat S 800 Long E 1309
 start stop duration
 TIME :07:56:00 08:12:00 16 (min) Purpose code: 3
 LOG :3082.80 3083.70 0.70 Area code : 2
 FDEPTH: 23 23 GearCond.code:
 BDEPTH: 23 23 Validity code:
 Towing dir: 150° Wire out: 150 m Speed: 30 km*10

Sorted: 63 Kg Total catch: 192.60 CATCH/HOUR: 722.25

SPECIES	CATCH/HOUR		% OF TOT. C	SAMP.NO.
	weight	numbers		
Parapenaeopsis atlantica	356.25	22200	49.33	147
Pseudotolithus typus	69.38	53	9.61	148
Atractoscion aequidens	34.50	4	4.78	
Miracorvina angolensis	31.98	525	4.41	146
Trichurus lepturus	31.13	1155	4.31	
Dentex barnardi	28.13	86	3.89	
Plectorhynchus mediterraneus	28.13	30	3.89	
Pomadasy rogeri	27.30	56	3.79	
Pomadasy peroteti	23.63	30	3.27	
Centrarchops chapini	22.50	56	3.12	
Dasyatis centroura	20.63	4	2.86	
Brachydeuterus auritus	16.88	656	2.34	
Lithognathus mormyrus	9.38	11	1.30	
Torpedo sp.	4.88	11	0.58	
Hyperoglyphe meselli	4.88	56	0.58	
Pentanezum quinquevittatus	3.75	56	0.52	
Pomadasy incisus	1.88	11	0.26	
Pseudotolithus senegalensis	1.50	4	0.21	
Uclogoglossa cuneata	1.13	36	0.16	
Ilisha africana	1.13	11	0.16	
Sepia officinalis hierredda	1.13	36	0.16	
Trachurus trecae	1.13	150	0.16	
Chaetodon hoefleri	1.13	11	0.16	
Halleutea spicata	0.00	11		
Total	722.25		100.05	

PROJECT STATION: 297
 DATE:17/ 8/91 GEAR TYPE: BT No:1 POSITION:Lat S 809 Long E 1313
 start stop duration
 TIME :09:28:00 09:58:00 30 (min) Purpose code: 3
 LOG :3094.20 3095.60 1.70 Area code : 2
 FDEPTH: 20 19 GearCond.code:
 BDEPTH: 20 19 Validity code:
 Towing dir: 331° Wire out: 100 m Speed: 33 km*10
 Sorted: 16 Kg Total catch: 28.90 CATCH/HOUR: 57.60

SPECIES	CATCH/HOUR		% OF TOT. C	SAMP.NO.
	weight	numbers		
Trichiurus lenturus	13.60	336	23.53	
Brachydeuterus auritus	13.00	420	22.49	149
Pteromylaeus bovinus	10.00	2	17.30	
Trachurus trecae	8.40	162	14.53	150
Sepia officinalis hierreda	4.00	192	6.92	
Pseudotolithus senegalensis	2.40	4	4.15	
Atractoscion aequidens	1.80	4	3.11	
Stromateus fiatola	1.80	4	3.11	
Dentex barnardi	1.20	4	2.08	
Scorpaena angolensis	0.40	4	0.69	
Chaetodon hoefleri	0.40	6	0.69	
Hyperoglyphe meselii	0.40	38	0.69	
Octopus vulgaris	0.40	4	0.69	
Total	57.60		99.98	

PROJECT STATION: 301
 DATE:17/ 8/91 GEAR TYPE: BT No:1 POSITION:Lat S 809 Long E 1251
 start stop duration
 TIME :14:09:00 14:39:00 30 (min) Purpose code: 3
 LOG :3120.60 3121.90 1.45 Area code : 2
 FDEPTH: 112 112 GearCond.code:
 BDEPTH: 112 112 Validity code:
 Towing dir: 340° Wire out: 550 m Speed: 28 km*10
 Sorted: 49 Kg Total catch: 346.05 CATCH/HOUR: 692.10

SPECIES	CATCH/HOUR		% OF TOT. C	SAMP.NO.
	weight	numbers		
Trachurus trecae	308.00	8062	44.50	159
Dentex congolensis	154.00	1306	22.25	161
Dentex angolensis	140.00	616	20.23	160
Boops boops	21.00	210	3.03	
Trichiurus lepturus	21.00	28	3.03	
Scomber japonicus	21.00	1120	3.03	162
Anthias anthias	14.00	168	2.02	
Erythrocles monodi	7.00	14	1.01	
Sparus pagrus africanus	4.00	2	0.58	
Lepidotrigla cadmani	1.40	14	0.20	
Pagellus bellottii	0.70	14	0.10	
Total	692.10		99.98	

PROJECT STATION: 298
 DATE:17/ 8/91 GEAR TYPE: BT No:1 POSITION:Lat S 810 Long E 1309
 start stop duration
 TIME :10:37:00 10:47:00 10 (min) Purpose code: 3
 LOG :3100.00 3100.50 0.50 Area code : 2
 FDEPTH: 43 45 GearCond.code: 5
 BDEPTH: 43 45 Validity code: 9
 Towing dir: 90° Wire out: 200 m Speed: 31 km*10
 Sorted: 31 Kg Total catch: 3653.90 CATCH/HOUR: 21923.40

SPECIES	CATCH/HOUR		% OF TOT. C	SAMP.NO.
	weight	numbers		
Brachydeuterus auritus	20028.00	157440	91.35	151
Trachurus trecae	772.40	7014	3.56	
Atractoscion aequidens	389.40	258	1.78	
Stromateus fiatola	181.80	258	0.83	
Sparus caeruleostictus	181.80	258	0.83	
Dentex barnardi	130.20	258	0.59	
Alloteuthis africana	78.00	6234	0.36	
Pomadasys incisus	77.40	258	0.35	
Pagellus bellottii	77.40	258	0.35	
Total	21923.40		100.00	

PROJECT STATION: 302
 DATE:17/ 8/91 GEAR TYPE: BT No:1 POSITION:Lat S 809 Long E 1247
 start stop duration
 TIME :15:36:00 16:06:00 30 (min) Purpose code: 3
 LOG :3128.00 3129.20 1.59 Area code : 2
 FDEPTH: 201 200 GearCond.code:
 BDEPTH: 201 200 Validity code:
 Towing dir: 334° Wire out: 800 m Speed: 31 km*10
 Sorted: 35 Kg Total catch: 1488.90 CATCH/HOUR: 2977.80

SPECIES	CATCH/HOUR		% OF TOT. C	SAMP.NO.
	weight	numbers		
Synagrops microlepis	2100.00	4620	70.52	169
Merluccius polli, male	512.40	2688	17.21	165
Chlorophthalmus atlanticus	92.40	756	3.10	
Merluccius polli, female	84.00	420	2.82	164
Pterothrissus belloci	84.00	336	2.82	
Zeus faber	84.00	420	2.82	
Todaropsis eblanae	12.50	168	0.42	
Illex sp.	8.40	168	0.28	
Parapenaeus longirostris	0.00	168		
Total	2977.80		99.99	

PROJECT STATION: 299
 DATE:17/ 8/91 GEAR TYPE: BT No:1 POSITION:Lat S 811 Long E 1307
 start stop duration
 TIME :11:31:00 11:40:00 9 (min) Purpose code: 3
 LOG :3104.30 3104.80 0.50 Area code : 2
 FDEPTH: 54 54 GearCond.code:
 BDEPTH: 54 54 Validity code:
 Towing dir: 330° Wire out: 200 m Speed: 29 km*10
 Sorted: 27 Kg Total catch: 26.70 CATCH/HOUR: 178.00

SPECIES	CATCH/HOUR		% OF TOT. C	SAMP.NO.
	weight	numbers		
Pagellus bellottii	11.33	320	62.54	127
Ubrina canariensis	42.67	120	23.97	152
Dentex barnardi	17.33	40	9.74	
Argyrosomus hololepidotus	3.33	7	1.07	
Pomadasys incisus	3.33	7	1.07	
Total	177.99		99.99	

PROJECT STATION: 303
 DATE:17/ 8/91 GEAR TYPE: BT No:1 POSITION:Lat S 808 Long E 1244
 start stop duration
 TIME :16:54:00 17:24:00 30 (min) Purpose code: 3
 LOG :3132.50 3134.30 1.59 Area code : 2
 FDEPTH: 306 314 GearCond.code:
 BDEPTH: 306 314 Validity code:
 Towing dir: 165° Wire out: 1000 m Speed: 30 km*10
 Sorted: 32 Kg Total catch: 1278.00 CATCH/HOUR: 2556.00

SPECIES	CATCH/HOUR		% OF TOT. C	SAMP.NO.
	weight	numbers		
Merluccius polli, male	1272.00	7040	49.77	167
Merluccius polli, female	872.00	3120	34.12	166
Malacocephalus occidentalis	136.00	80	5.32	
Chlorophthalmus atlanticus	120.00	1620	4.69	
Pterothrissus belloci	80.00	480	3.13	
Etmopterus spinax	72.00	1040	2.82	
Scorpaena normani	4.00	80	0.16	
Total	2556.00		100.01	

PROJECT STATION: 300
 DATE:17/ 8/91 GEAR TYPE: BT No:1 POSITION:Lat S 809 Long E 1300
 start stop duration
 TIME :12:36:00 13:06:00 30 (min) Purpose code: 3
 LOG :3111.80 3113.20 1.60 Area code : 2
 FDEPTH: 90 96 GearCond.code:
 BDEPTH: 90 96 Validity code:
 Towing dir: 295° Wire out: 450 m Speed: 31 km*10
 Sorted: Kg Total catch: 122.40 CATCH/HOUR: 244.80

SPECIES	CATCH/HOUR		% OF TOT. C	SAMP.NO.
	weight	numbers		
Trachurus trecae	72.00	142	29.41	154
Trichiurus lepturus	71.00	136	29.03	158
Ubrina canariensis	36.00	86	14.71	156
Dentex angolensis	17.20	72	7.03	153
Dentex macropthalmus	12.70	36	5.19	157
Illex sp.	12.00	4440	4.90	
Trachurus trecae	9.00	228	3.66	155
Boops boops	3.00	26	1.23	
Sarda sarda	3.00	2	1.23	
Dentex barnardi	2.00	4	0.82	
Torpedo torpedo	2.00	2	0.82	
Miracorvina angolensis	1.40	2	0.57	
Zeus faber	1.20	4	0.49	
Dentex gibbusus	1.20	2	0.49	
Illex coindetii	1.00	12	0.41	
Scomber japonicus	0.10	4	0.04	
Total	244.80		100.02	

PROJECT STATION: 304
 DATE:17/ 8/91 GEAR TYPE: PT No:4 POSITION:Lat S 821 Long E 1312
 start stop duration
 TIME :21:44:00 22:14:00 30 (min) Purpose code: 3
 LOG :3172.40 3174.00 1.60 Area code : 2
 FDEPTH: 0 0 GearCond.code:
 BDEPTH: 30 28 Validity code:
 Towing dir: 180° Wire out: 100 m Speed: 32 km*10
 Sorted: 32 Kg Total catch: 190.20 CATCH/HOUR: 380.40

SPECIES	CATCH/HOUR		% OF TOT. C	SAMP.NO.
	weight	numbers		
Sardinella maderensis	309.60	1836	79.81	168
Sardinella aurita	30.00	144	7.89	169
Trichiurus lepturus	27.60	72	7.25	
Stromateus fiatola	14.40	24	3.79	
Sepia officinalis hierreda	3.60	72	0.95	
Leurocephalus	1.20	452	0.32	
Selene dorsalis	0.00	12		
Total	380.40		100.02	