

ANNEX II

DATE: 14/ 9/90 GEAR TYPE: BT No:1 POSITION: Lat S 2828 Long E 1603
 PROJECT STATION: 356
 start stop duration Purpose code: 3
 TIME :09:25:00 09:55:00 30 (min) Area code : 1
 LOG :1885.40 1886.90 1.80 GearCond.code:
 FDEPTH: 74 84 Validity code:
 BDEPTH: 74 84
 Towing dir: 310° Wire out: 350 m Speed: 30 kn*10

Sorted: 59 Kg Total catch: 59.77 CATCH/HOUR: 119.54

SPECIES	CATCH/HOUR	% OF TOT. C	SAMP. NO.
	weight numbers		
Merluccius capensis female	45.70	38.23	3
Chelidonichthys capensis	44.00	36.81	4
Merluccius capensis male	11.30	9.45	2
Krill	10.00	8.37	
Thyrrites atun	4.00	3.35	
Lolligonula mercatoris	1.80	1.51	
Austroglossus microlepis	1.40	1.17	
Squilla sp	0.40	0.33	
Sepia australis	0.40	0.33	
Janus lalandii	0.30	0.25	
Trachurus capensis	0.20	0.17	
Engraulis capensis	0.02	0.02	
Etrumeus whiteheadi	0.02	0.02	
Total	119.54	100.01	

DATE: 14/ 9/90 GEAR TYPE: BT No:1 POSITION: Lat S 2850 Long E 1548
 PROJECT STATION: 360
 start stop duration Purpose code: 2
 TIME :19:27:00 20:07:00 40 (min) Area code : 1
 LOG :1952.30 1954.50 2.20 GearCond.code:
 FDEPTH: 172 174 Validity code:
 BDEPTH: 172 174
 Towing dir: 335° Wire out: 750 m Speed: 34 kn*10

Sorted: 52 Kg Total catch: 157.65 CATCH/HOUR: 236.48

SPECIES	CATCH/HOUR	% OF TOT. C	SAMP. NO.
	weight numbers		
Merluccius capensis	163.80	69.27	15
Trachurus capensis	38.25	24.3	16
Paracallionymus costatus	10.35	6.44	
Squilla sp	4.50	2.89	
Parapanaxus longirostris	3.36	2.13	
Helicolenus dactylopterus	3.15	2.00	
Cynoglossus zanzibarensis	2.25	1.43	
Holohalaelurus regani	2.25	1.43	
Genypterus capensis	2.25	1.43	
Coelorinchus fasciatus	1.80	1.14	
Thyrrites atun	1.59	1.01	
Todaropsis eblanæ	1.13	0.72	
Sepia australis	0.36	0.23	
Sufflogobius bibarbatu	0.32	0.20	
Lepidopus caudatus	0.23	0.15	
Total	236.50	100.01	

DATE: 14/ 9/90 GEAR TYPE: BT No:1 POSITION: Lat S 2840 Long E 1614
 PROJECT STATION: 357
 start stop duration Purpose code: 3
 TIME :11:35:00 12:05:00 30 (min) Area code : 1
 LOG :1909.90 1911.30 1.60 GearCond.code:
 FDEPTH: 83 81 Validity code:
 BDEPTH: 83 81
 Towing dir: 322° Wire out: 400 m Speed: 28 kn*10

Sorted: 115 Kg Total catch: 114.80 CATCH/HOUR: 229.60

SPECIES	CATCH/HOUR	% OF TOT. C	SAMP. NO.
	weight numbers		
Merluccius capensis female	70.00	30.49	7
Callorhynchus capensis	50.00	21.78	
Krill	36.40	15.85	
Chelidonichthys capensis	29.80	12.98	8
Merluccius capensis male	12.40	5.40	6
Lolligonula mercatoris	7.80	3.40	
Raja clavata	4.80	2.09	
Thyrrites atun	3.90	1.70	
Austroglossus microlepis	2.70	1.18	
Trachurus capensis	2.00	0.87	
Janus lalandii	2.00	0.87	
Sufflogobius bibarbatu	1.20	0.52	
Squalus acanthias	1.00	0.44	
Squilla sp	0.60	0.26	
Merluccius capensis juveniles	0.20	0.09	5
Engraulis capensis	0.20	0.09	
Squalus megalops	0.20	0.09	
Total	229.60	100.02	

DATE: 15/ 9/90 GEAR TYPE: BT No:1 POSITION: Lat S 2938 Long E 1442
 PROJECT STATION: 361
 start stop duration Purpose code: 3
 TIME :05:44:00 06:14:00 30 (min) Area code : 1
 LOG :2034.30 2036.00 1.90 GearCond.code:
 FDEPTH: 401 395 Validity code:
 BDEPTH: 401 395
 Towing dir: 335° Wire out: 1200 m Speed: 34 kn*10

Sorted: 12 Kg Total catch: 15.21 CATCH/HOUR: 32.42

SPECIES	CATCH/HOUR	% OF TOT. C	SAMP. NO.
	weight numbers		
Merluccius paradoxus	23.40	72.18	17
Merluccius capensis	3.60	11.10	
Malacocephalus laevis	1.60	4.94	
Lepidopus caudatus	1.20	3.70	
Lampanyctodes hectoris	1.00	3.08	
Parapanaxus longirostris	0.40	1.23	
Holohalaelurus regani	0.30	0.93	
Paracallionymus costatus	0.30	0.93	
Helicolenus dactylopterus	0.20	0.62	
Coelorinchus fasciatus	0.20	0.62	
C E P H A L O P O D A	0.10	0.31	
C R A B S	0.10	0.31	
Squilla sp	0.02	0.06	
Total	32.42	100.01	

DATE: 14/ 9/90 GEAR TYPE: BT No:1 POSITION: Lat S 2851 Long E 1602
 PROJECT STATION: 358
 start stop duration Purpose code: 3
 TIME :14:43:00 15:13:00 30 (min) Area code : 1
 LOG :1929.40 1931.00 1.60 GearCond.code:
 FDEPTH: 144 143 Validity code:
 BDEPTH: 144 143
 Towing dir: 320° Wire out: 650 m Speed: 32 kn*10

Sorted: 82 Kg Total catch: 82.02 CATCH/HOUR: 164.04

SPECIES	CATCH/HOUR	% OF TOT. C	SAMP. NO.
	weight numbers		
Merluccius capensis female	60.00	36.58	11
Merluccius capensis juveniles	38.00	23.17	9
Merluccius capensis male	28.80	17.56	10
Trachurus capensis	20.40	12.44	12
Thyrrites atun	7.60	4.63	
Sepia australis	4.60	2.80	
Cynoglossus zanzibarensis	1.40	0.85	
Chelidonichthys capensis	1.20	0.73	
Squalus megalops	0.80	0.49	
Lolligonula mercatoris	0.60	0.37	
Genypterus capensis	0.20	0.12	
Sufflogobius bibarbatu	0.20	0.12	
Lepidopus caudatus	0.10	0.06	
MYCTOPHIDAE	0.04	0.02	
Paracallionymus costatus	0.04	0.02	
Squilla sp	0.04	0.02	
Coelorinchus fasciatus	0.02	0.01	
Helicolenus dactylopterus	0.00		
Total	164.04	99.99	

DATE: 15/ 9/90 GEAR TYPE: BT No:1 POSITION: Lat S 2941 Long E 1433
 PROJECT STATION: 362
 start stop duration Purpose code: 3
 TIME :08:05:00 08:35:00 30 (min) Area code : 1
 LOG :2047.50 2048.80 1.45 GearCond.code:
 FDEPTH: 513 507 Validity code:
 BDEPTH: 513 507
 Towing dir: 350° Wire out: 1400 m Speed: 28 kn*10

Sorted: 5 Kg Total catch: 53.00 CATCH/HOUR: 106.00

SPECIES	CATCH/HOUR	% OF TOT. C	SAMP. NO.
	weight numbers		
Trachyrinus scabrus	34.80	32.83	
Raja caudaspinosa	22.00	20.75	
Dasyatis sp	15.50	14.62	
Merluccius paradoxus	10.00	9.43	18
Helicolenus dactylopterus	8.60	8.11	
Todaropsis sagittatus	7.00	6.60	
MYCTOPHIDAE	2.40	2.26	
Malacocephalus laevis	2.20	2.08	
Holohalaelurus regani	1.00	0.94	
Todaropsis eblanæ	1.00	0.94	
MYCTOPHIDAE	0.80	0.75	
Rossia sp	0.60	0.57	
Lampanyctodes hectoris	0.04	0.04	
MYCTOPHIDAE	0.04	0.04	
S H R I M P S	0.02	0.02	
Total	106.00	99.98	

DATE: 14/ 9/90 GEAR TYPE: BT No:1 POSITION: Lat S 2900 Long E 1549
 PROJECT STATION: 359
 start stop duration Purpose code: 3
 TIME :18:02:00 18:32:00 30 (min) Area code : 1
 LOG :1948.20 1950.00 1.70 GearCond.code:
 FDEPTH: 172 174 Validity code:
 BDEPTH: 172 174
 Towing dir: 335° Wire out: 750 m Speed: 36 kn*10

Sorted: 43 Kg Total catch: 171.60 CATCH/HOUR: 343.20

SPECIES	CATCH/HOUR	% OF TOT. C	SAMP. NO.
	weight numbers		
Trachurus capensis	162.40	47.32	14
Merluccius capensis	88.00	25.64	13
Paracallionymus costatus	53.60	15.62	
Thyrrites atun	19.20	5.59	
Sepia australis	9.60	2.80	
Cynoglossus zanzibarensis	4.80	1.40	
Lepidus apiccephalus	1.80	0.53	
Sufflogobius bibarbatu	0.80	0.23	
Lolligonula mercatoris	0.80	0.23	
Helicolenus dactylopterus	0.80	0.23	
Holohalaelurus regani	0.80	0.23	
Todaropsis eblanæ	0.40	0.12	
Lampanyctodes hectoris	0.32	0.09	
Squilla sp	0.08	0.02	
Total	343.20	99.99	

DATE: 15/ 9/90 GEAR TYPE: BT No:1 POSITION: Lat S 2915 Long E 1430
 PROJECT STATION: 363
 start stop duration Purpose code: 3
 TIME :11:31:00 12:06:00 35 (min) Area code : 1
 LOG :2073.00 2074.30 1.30 GearCond.code:
 FDEPTH: 452 446 Validity code:
 BDEPTH: 452 446
 Towing dir: 356° Wire out: 1250 m Speed: 24 kn*10

Sorted: 104 Kg Total catch: 104.10 CATCH/HOUR: 178.46

SPECIES	CATCH/HOUR	% OF TOT. C	SAMP. NO.
	weight numbers		
Merluccius paradoxus female	89.49	50.15	21
Merluccius paradoxus male	41.14	23.05	20
Helicolenus dactylopterus	15.43	8.65	
Raja caudaspinosa	7.87	4.42	
Genypterus capensis	5.14	2.88	
MYCTOPHIDAE	3.77	2.11	
Plesionika sp	3.77	2.11	
Scyllorhinus capensis	2.74	1.54	
Coelorinchus fasciatus	1.89	1.06	
Todaropsis sagittatus	1.71	0.96	
Trachyrinus scabrus	1.27	0.72	
Malacocephalus laevis	1.03	0.58	
Todaropsis eblanæ	0.86	0.48	
Bathypocogon vicinus	0.69	0.39	
Nezumia alosis	0.51	0.29	
Holohalaelurus regani	0.51	0.29	
Psychrolutes macrocephalus	0.34	0.19	
Diplophus sp.	0.17	0.10	
Paracallionymus costatus	0.00		
Total	178.45	100.02	

PROJECT STATION: 364
 DATE: 15/ 9/90 GEAR TYPE: BT No:1 POSITION: Lat S 2913 Long E 1434
 TIME :13:14:00 13:44:00 30 (min) Purpose code: 3
 LOG :2079.70 2081.20 1.50 Area code : 1
 FDEPTH: 352 350 GearCond.code: 1
 BDEPTH: 352 250 Validity code:
 Towing dir: 346° Wire out: 1150 m Speed: 30 kn*10
 Sorted: 83 Kg Total catch: 166.80 CATCH/HOUR: 333.60

SPECIES	CATCH/HOUR		% OF TOT. C	SAMP.NO.
	weight	numbers		
Merluccius paradoxus female	213.20	904	63.91	24
Merluccius paradoxus male	66.40	324	19.90	23
Trachurus capensis	17.60	44	5.28	25
Malacocephalus laevis	9.60	92	2.88	
Galeorhinus fasciatus	8.40	356	2.52	
Holohalaelurus regani	8.00	32	2.40	
Cynoglossus zanzibarensis	2.80	72	0.84	
Todarodes sagittatus	2.00	4	0.60	
Helicolenus dactylopterus	1.20	52	0.36	
Todaropsis eblanae	0.80	36	0.24	
Rossia sp	0.80	36	0.24	
MYCTOPHIDAE	0.40	16	0.12	
Paracallionymus costatus	0.40	36	0.12	
PORTUNIDAE	0.40	16	0.12	
Nezumia leonis	0.08	4	0.02	
Xenodermichthys dagleishi	0.08	4	0.02	
Total	332.16		99.57	

PROJECT STATION: 365
 DATE: 15/ 9/90 GEAR TYPE: BT No:1 POSITION: Lat S 2907 Long E 1432
 TIME :15:42:00 16:12:00 30 (min) Purpose code: 3
 LOG :2092.10 2093.70 1.60 Area code : 1
 FDEPTH: 290 293 GearCond.code: 1
 BDEPTH: 290 292 Validity code:
 Towing dir: 340° Wire out: 1000 m Speed: 32 kn*10
 Sorted: 92 Kg Total catch: 540.25 CATCH/HOUR: 1080.50

SPECIES	CATCH/HOUR		% OF TOT. C	SAMP.NO.
	weight	numbers		
Trachurus capensis	470.80	1586	43.97	26
Merluccius paradoxus	456.50	5986	42.25	27
Thyrssites atun	48.60	36	4.50	28
Todarodes sagittatus	34.10	44	3.16	
Malacocephalus laevis	25.30	638	2.34	
Lophius upsicephalus	16.40	4	1.52	
Cynoglossus zanzibarensis	11.00	176	1.02	
Rossia sp	6.60	242	0.61	
Holohalaelurus regani	5.50	22	0.51	
Galeorhinus fasciatus	3.30	122	0.31	
MYCTOPHIDAE	1.10	352	0.10	
Paracallionymus costatus	1.10	132	0.10	
Helicolenus dactylopterus	0.20	34	0.02	
Total	1080.50		100.01	

PROJECT STATION: 366
 DATE: 15/ 9/90 GEAR TYPE: BT No:1 POSITION: Lat S 2903 Long E 1448
 TIME :18:19:00 18:49:00 30 (min) Purpose code: 3
 LOG :2111.40 2112.00 1.74 Area code : 1
 FDEPTH: 212 206 GearCond.code: 1
 BDEPTH: 212 206 Validity code:
 Towing dir: 340° Wire out: 850 m Speed: 32 kn*10
 Sorted: 111 Kg Total catch: 2009.50 CATCH/HOUR: 4019.00

SPECIES	CATCH/HOUR		% OF TOT. C	SAMP.NO.
	weight	numbers		
Trachurus capensis	3427.20	19958	85.27	29
Merluccius capensis juveniles	252.00	5350	6.27	32
Merluccius capensis	136.60	220	3.40	31
Emmelichthys nitidus	32.00	320	0.80	
Galeorhinus galeus	32.00	2	0.80	
Thyrssites atun	31.00	18	0.77	30
Galeorhinus capensis	29.80	4	0.74	
Chelidonichthys queketti	28.80	128	0.72	
Sepia australis	12.80	1312	0.32	
Cynoglossus zanzibarensis	12.80	160	0.32	
Helicolenus dactylopterus	9.60	160	0.24	
Holohalaelurus regani	6.40	32	0.16	
Zeus faber	6.40	26	0.16	
Trichurus lepturus	6.40	64	0.16	
Paracallionymus costatus	3.20	288	0.08	
Todaropsis eblanae	3.20	32	0.08	
CONGRIDAE	1.60	32	0.04	
Total	4031.80		100.33	

PROJECT STATION: 367
 DATE: 15/ 9/90 GEAR TYPE: BT No:1 POSITION: Lat S 2852 Long E 1507
 TIME :21:55:00 22:53:00 58 (min) Purpose code: 2
 LOG :2136.00 2139.20 3.10 Area code : 1
 FDEPTH: 164 166 GearCond.code: 1
 BDEPTH: 164 166 Validity code:
 Towing dir: 340° Wire out: 650 m Speed: 33 kn*10
 Sorted: 48 Kg Total catch: 169.89 CATCH/HOUR: 175.75

SPECIES	CATCH/HOUR		% OF TOT. C	SAMP.NO.
	weight	numbers		
Merluccius capensis	125.28	200	71.28	33
Cynoglossus zanzibarensis	12.67	142	7.21	
Helicolenus dactylopterus	9.20	434	5.23	
Holohalaelurus regani	7.97	29	4.53	
Paracallionymus costatus	5.43	543	3.09	
Trachurus capensis	4.71	26	2.68	
SQUALIDAE	4.34	11	2.47	
Zeus faber	1.81	33	1.03	
Aristeus varidens	1.81	217	1.03	
Genypterus capensis	1.45	10	0.83	
Lophius upsicephalus	0.72	4	0.41	
Malacocephalus laevis	0.36	4	0.20	
Total	175.75		95.92	

PROJECT STATION: 368
 DATE: 16/ 9/90 GEAR TYPE: BT No:1 POSITION: Lat S 2853 Long E 1507
 TIME :06:44:00 07:14:00 30 (min) Purpose code: 3
 LOG :2151.60 2153.00 1.70 Area code : 1
 FDEPTH: 164 164 GearCond.code: 1
 BDEPTH: 164 164 Validity code:
 Towing dir: 340° Wire out: 650 m Speed: 28 kn*10
 Sorted: 51 Kg Total catch: 210.93 CATCH/HOUR: 421.86

SPECIES	CATCH/HOUR		% OF TOT. C	SAMP.NO.
	weight	numbers		
Merluccius capensis male	131.20	166	31.10	36
Merluccius capensis female	89.00	108	20.86	35
Helicolenus dactylopterus	53.40	2130	12.66	34
Chelidonichthys queketti	38.40	96	9.10	
Raja clavata	23.40	10	5.55	
Trachurus capensis	21.80	118	5.17	
Paracallionymus costatus	16.00	1600	3.79	
Lophius upsicephalus	10.60	10	2.51	
Cynoglossus zanzibarensis	8.20	170	1.94	
Squalus megalops	8.00	22	1.90	
Holohalaelurus regani	6.40	26	1.22	
Sepia australis	5.60	30	1.07	
Thyrssites atun	5.40	6	1.25	
Zeus faber	2.80	118	0.66	
Etrumeus whiteheadi	0.60	6	0.14	
Sufflogobius bibarbatu	0.60	122	0.14	
CONGRIDAE	0.60	22	0.14	
Congilopodus spinifer	0.60	6	0.14	
Genypterus capensis	0.60	6	0.01	
Total	421.86		99.98	

PROJECT STATION: 369
 DATE: 16/ 9/90 GEAR TYPE: BT No:1 POSITION: Lat S 2841 Long E 1527
 TIME :09:40:00 10:10:00 30 (min) Purpose code: 3
 LOG :2174.80 2176.50 1.74 Area code : 1
 FDEPTH: 182 181 GearCond.code: 1
 BDEPTH: 182 181 Validity code:
 Towing dir: 65° Wire out: 750 m Speed: 34 kn*10
 Sorted: 84 Kg Total catch: 251.85 CATCH/HOUR: 503.70

SPECIES	CATCH/HOUR		% OF TOT. C	SAMP.NO.
	weight	numbers		
Trachurus capensis	233.40	1254	46.34	
Merluccius capensis male	80.40	216	15.96	38
Merluccius capensis female	51.60	138	10.24	39
Merluccius capensis juveniles	51.00	1494	10.13	37
Paracallionymus costatus	27.00	2100	5.36	
Helicolenus dactylopterus	27.00	2154	5.36	
Holohalaelurus regani	7.20	60	1.43	
Sepia australis	3.00	300	0.66	
Squilla sp	3.00	102	0.60	
Squalus megalops	3.00	6	0.60	
Genypterus capensis	3.00	30	0.60	
Thyrssites atun	3.00	12	0.60	
Lophius upsicephalus	3.00	12	0.60	
Sufflogobius bibarbatu	2.40	900	0.48	
Chelidonichthys capensis	1.80	6	0.26	
Lepidopus caudatus	1.20	18	0.24	
CONGRIDAE	0.60	18	0.12	
Todaropsis eblanae	0.60	54	0.12	
Cynoglossus zanzibarensis	0.60	18	0.12	
Malacocephalus laevis	0.60	18	0.12	
Total	503.70		100.64	

PROJECT STATION: 370
 DATE: 16/ 9/90 GEAR TYPE: BT No:1 POSITION: Lat S 2836 Long E 1537
 TIME :11:26:00 11:56:00 30 (min) Purpose code: 3
 LOG :2185.80 2188.30 1.70 Area code : 1
 FDEPTH: 162 160 GearCond.code: 1
 BDEPTH: 162 160 Validity code:
 Towing dir: 326° Wire out: 650 m Speed: 30 kn*10
 Sorted: 54 Kg Total catch: 225.10 CATCH/HOUR: 450.20

SPECIES	CATCH/HOUR		% OF TOT. C	SAMP.NO.
	weight	numbers		
Merluccius capensis female	224.00	854	49.76	42
Merluccius capensis juveniles	95.20	2476	21.15	40
Trachurus capensis	50.40	344	11.20	20
Merluccius capensis male	40.00	248	8.88	41
Octopus vulgaris	12.40	2	2.75	
Chelidonichthys capensis	9.60	40	2.13	
Sepia australis	3.20	128	0.71	
Squilla sp	3.20	144	0.71	
Thyrssites atun	2.60	4	0.58	
Cynoglossus zanzibarensis	2.40	40	0.53	
Genypterus capensis	2.40	8	0.53	
Helicolenus dactylopterus	1.60	104	0.36	
Galeorhinus fasciatus	1.60	24	0.36	
Sufflogobius bibarbatu	1.20	480	0.27	
Lepidopus caudatus	0.40	8	0.09	
Lolliguncula mercatoris	0.00	40		
Total	450.20		100.01	

PROJECT STATION: 371
 DATE: 16/ 9/90 GEAR TYPE: BT No:1 POSITION: Lat S 2817 Long E 1522
 TIME :14:01:00 14:31:00 30 (min) Purpose code: 3
 LOG :2209.50 2210.97 1.63 Area code : 1
 FDEPTH: 143 136 GearCond.code: 1
 BDEPTH: 143 136 Validity code:
 Towing dir: 338° Wire out: 600 m Speed: 30 kn*10
 Sorted: 174 Kg Total catch: 174.56 CATCH/HOUR: 349.12

SPECIES	CATCH/HOUR		% OF TOT. C	SAMP.NO.
	weight	numbers		
Trachurus capensis	155.40	1070	44.80	44
Merluccius capensis female	68.80	494	19.71	47
Thyrssites atun	52.20	154	14.95	43
Merluccius capensis male	33.40	294	9.57	46
Galeorhinus galeus	30.00	2	8.59	
Merluccius capensis juveniles	3.20	60	0.92	45
Lolliguncula mercatoris	1.80	1	0.52	
Sufflogobius bibarbatu	1.60	1	0.46	
Lepidopus caudatus	0.60	12	0.17	
Todaropsis eblanae	0.20	4	0.06	
Cynoglossus zanzibarensis	0.20	2	0.06	
Etrumeus whiteheadi	0.20	2	0.06	
CONGRIDAE	0.20	10	0.06	
Zeus faber	0.20	2	0.06	
Sepia australis	0.10	4	0.03	
Squilla sp	0.02	4	0.01	
Total	349.12		100.03	

PROJECT STATION: 372
 DATE: 16/ 9/90 GEAR TYPE: BT No:1 POSITION: Lat S 2025 Long E 1506
 start stop duration
 TIME : 16:18:00 16:48:00 30 (min) Purpose code: 3
 LOG : 2227.90 2229.50 1.60 Area code : 1
 FDEPTH: 175 172 GearCond.code:
 BDEPTH: 175 172 Validity code:
 Towing dir: 232° Wire out: 750 m Speed: 32 kn*10
 Sorted: 99 Kg Total catch: 249.20 CATCH/HOUR: 498.40

SPECIES	CATCH/HOUR	% OF TOT. C	SAMP. NO.
	weight numbers		
Merluccius capensis female	292.00	780	58.59
Etrumeus whiteheadi	114.00	765	22.87
Merluccius capensis male	52.80	304	10.19
Thyrssites atun	30.60	40	6.44
Helicolenus dactylopterus	2.40	28	0.48
Squalus megalops	1.80	4	0.36
Zeus faber	1.60	48	0.32
Loligo vulgaris	1.40	16	0.28
Holohalaelurus regani	1.00	4	0.20
Congiopodus spinifer	0.40	4	0.08
Sepia australis	0.40	20	0.08
Todaropsis eblanae	0.04	4	0.01
Total	498.44	100.00	

PROJECT STATION: 373
 DATE: 16/ 9/90 GEAR TYPE: BT No:1 POSITION: Lat S 2832 Long E 1453
 start stop duration
 TIME : 18:15:00 18:45:00 30 (min) Purpose code: 3
 LOG : 2242.40 2244.20 1.70 Area code : 1
 FDEPTH: 181 184 GearCond.code:
 BDEPTH: 181 184 Validity code:
 Towing dir: 240° Wire out: 750 m Speed: 36 kn*10
 Sorted: 122 Kg Total catch: 272.50 CATCH/HOUR: 545.00

SPECIES	CATCH/HOUR	% OF TOT. C	SAMP. NO.
	weight numbers		
Merluccius capensis female	204.80	654	37.58
Thyrssites atun	110.00	66	20.18
Merluccius capensis male	89.00	522	16.23
Paracallionymus costatus	49.00	5850	8.99
Merluccius capensis juveniles	35.20	1082	6.46
Etrumeus whiteheadi	29.80	330	1.47
Sepia australis	8.00	682	5.62
Chelidonichthys capensis	3.20	6	0.59
Holohalaelurus regani	3.20	16	0.59
Lophius upsicephalus	2.60	10	0.48
Cynoglossus zanzibarensis	2.60	38	0.48
Zeus faber	2.60	42	0.48
Trachurus capensis	1.60	10	0.29
Helicolenus dactylopterus	1.60	144	0.29
Sufflogobius bibarbatu	0.60	112	0.11
Lepidopus caudatus	0.60	16	0.11
Todaropsis eblanae	0.60	150	0.11
Total	545.00	100.00	

PROJECT STATION: 374
 DATE: 16/ 9/90 GEAR TYPE: BT No:1 POSITION: Lat S 2854 Long E 1426
 start stop duration
 TIME : 23:20:00 23:50:00 30 (min) Purpose code: 3
 LOG : 2282.10 2284.10 1.60 Area code : 1
 FDEPTH: 349 352 GearCond.code:
 BDEPTH: 349 352 Validity code:
 Towing dir: 355° Wire out: 1050 m Speed: 40 kn*10
 Sorted: 51 Kg Total catch: 51.30 CATCH/HOUR: 102.60

SPECIES	CATCH/HOUR	% OF TOT. C	SAMP. NO.
	weight numbers		
Merluccius paradoxus female	46.80	58	45.61
Etrumeus lucifer	17.20	138	16.76
Gonypterus capensis	16.80	6	15.37
Coelorhynchus fasciatus	5.00	92	4.87
Epigonus pandionis	4.60	74	4.48
Holohalaelurus regani	4.00	20	3.90
Cynoglossus zanzibarensis	3.20	44	3.12
Merluccius paradoxus male	2.60	12	2.53
Deania calcea	1.00	2	0.97
Helicolenus dactylopterus	0.80	12	0.78
MYCTOPHIDAE	0.40	0	0.39
Paracallionymus costatus	0.20	8	0.19
Total	102.60	99.97	

PROJECT STATION: 375
 DATE: 17/ 9/90 GEAR TYPE: BT No:1 POSITION: Lat S 2815 Long E 1428
 start stop duration
 TIME : 06:54:00 07:24:00 30 (min) Purpose code: 3
 LOG : 2341.80 2343.30 1.50 Area code : 1
 FDEPTH: 452 455 GearCond.code:
 BDEPTH: 452 455 Validity code:
 Towing dir: 25° Wire out: 1350 m Speed: 30 kn*10
 Sorted: 19 Kg Total catch: 28.95 CATCH/HOUR: 57.90

SPECIES	CATCH/HOUR	% OF TOT. C	SAMP. NO.
	weight numbers		
Lampanyctodes hectoris	54.00	4	93.26
Merluccius paradoxus	1.80	4	3.11
Todaropsis eblanae	1.50	72	2.59
Cynoglossus zanzibarensis	0.60	6	1.04
Total	57.90	100.00	

PROJECT STATION: 376
 DATE: 17/ 9/90 GEAR TYPE: BT No:1 POSITION: Lat S 2814 Long E 1431
 start stop duration
 TIME : 08:35:00 09:05:00 30 (min) Purpose code: 3
 LOG : 2349.80 2351.40 1.50 Area code : 1
 FDEPTH: 350 355 GearCond.code:
 BDEPTH: 350 355 Validity code:
 Towing dir: 75° Wire out: 1050 m Speed: 32 kn*10
 Sorted: 259 Kg Total catch: 402.60 CATCH/HOUR: 865.20

SPECIES	CATCH/HOUR	% OF TOT. C	SAMP. NO.
	weight numbers		
Thyrssites atun	402.40	254	46.51
Merluccius paradoxus male	164.00	374	19.02
Merluccius paradoxus female	156.40	448	18.08
Lampanyctodes hectoris	43.60	584	5.04
Merluccius paradoxus juveniles	43.60	584	5.04
Trachurus capensis	28.60	54	3.31
Scyliorhinus capensis	18.36	20	2.12
Malacocephalus laevis	6.20	20	0.72
Holohalaelurus regani	1.40	6	0.16
Total	865.16	100.00	

PROJECT STATION: 377
 DATE: 17/ 9/90 GEAR TYPE: BT No:1 POSITION: Lat S 2813 Long E 1437
 start stop duration
 TIME : 10:22:00 11:07:00 35 (min) Purpose code: 3
 LOG : 2362.30 2363.80 1.60 Area code : 1
 FDEPTH: 196 228 GearCond.code:
 BDEPTH: 196 228 Validity code:
 Towing dir: 330° Wire out: 750 m Speed: 30 kn*10
 Sorted: 68 Kg Total catch: 386.10 CATCH/HOUR: 661.89

SPECIES	CATCH/HOUR	% OF TOT. C	SAMP. NO.
	weight numbers		
Thyrssites atun	317.49	297	47.97
Merluccius capensis female	156.34	502	23.62
Merluccius capensis male	116.57	489	17.61
Galeorhinus galeus	32.57	41	4.92
Chelidonichthys queketti	23.31	41	3.52
Todarodes sagittatus	7.37	74	1.11
Congiopodus spinifer	6.00	5	0.91
Trachurus capensis	2.23	9	0.34
Total	661.88	100.00	

PROJECT STATION: 378
 DATE: 17/ 9/90 GEAR TYPE: BT No:1 POSITION: Lat S 2807 Long E 1456
 start stop duration
 TIME : 13:45:00 14:15:00 30 (min) Purpose code: 3
 LOG : 2384.20 2385.70 1.80 Area code : 1
 FDEPTH: 198 193 GearCond.code:
 BDEPTH: 188 193 Validity code:
 Towing dir: 334° Wire out: 750 m Speed: 30 kn*10
 Sorted: 136 Kg Total catch: 136.50 CATCH/HOUR: 273.00

SPECIES	CATCH/HOUR	% OF TOT. C	SAMP. NO.
	weight numbers		
Merluccius capensis female	150.00	636	54.95
Trachurus capensis	60.00	218	21.98
Merluccius capensis male	35.40	216	12.97
Thyrssites atun	12.20	4	4.47
Etrumeus whiteheadi	9.00	142	3.30
Lepidopus caudatus	6.20	210	2.27
Loligo vulgaris	0.10	2	0.04
Baerelichthys nitidus	0.10	2	0.04
Total	273.00	100.00	

PROJECT STATION: 379
 DATE: 17/ 9/90 GEAR TYPE: BT No:1 POSITION: Lat S 2800 Long E 1513
 start stop duration
 TIME : 19:07:00 19:37:00 30 (min) Purpose code: 3
 LOG : 2418.50 2419.80 1.30 Area code : 1
 FDEPTH: 155 150 GearCond.code:
 BDEPTH: 155 150 Validity code:
 Towing dir: 340° Wire out: 750 m Speed: 26 kn*10
 Sorted: 29 Kg Total catch: 51.16 CATCH/HOUR: 122.32

SPECIES	CATCH/HOUR	% OF TOT. C	SAMP. NO.
	weight numbers		
Merluccius capensis	92.80	618	75.87
Gonypterus capensis	12.00	12	9.81
Callorhynchus capensis	8.00	2	6.54
Sufflogobius bibarbatu	4.00	704	4.27
Thyrssites atun	2.60	4	2.13
Etrumeus whiteheadi	2.00	32	1.64
Chelidonichthys capensis	0.40	4	0.23
Lepidopus caudatus	0.32	28	0.26
Lampanyctodes hectoris	0.20	48	0.16
Sepia australis	0.20	6	0.16
Loligo vulgaris	0.04	6	0.03
Squilla sp	0.04	4	0.03
Total	122.60	100.23	

PROJECT STATION: 380
 DATE: 18/ 9/90 GEAR TYPE: BT No:1 POSITION: Lat S 2741 Long E 1438
 start stop duration
 TIME : 05:21:00 05:51:00 30 (min) Purpose code: 3
 LOG : 2500.40 2501.90 1.70 Area code : 1
 FDEPTH: 392 392 GearCond.code:
 BDEPTH: 392 392 Validity code:
 Towing dir: 340° Wire out: 1150 m Speed: 30 kn*10
 Sorted: Kg Total catch: 8.71 CATCH/HOUR: 17.42

SPECIES	CATCH/HOUR	% OF TOT. C	SAMP. NO.
	weight numbers		
MYCTOPHIDAE	7.40	18	42.48
Merluccius paradoxus	5.00	18	28.70
Thyrssites atun	3.20	2	18.37
Trachurus capensis	1.20	6	6.89
Lepidopus caudatus	0.40	8	2.30
Loligo vulgaris	0.20	5	1.15
Sufflogobius bibarbatu	0.02	10	0.11
Total	17.42	100.00	

PROJECT STATION: 381
 DATE: 18/ 9/90 GEAR TYPE: BT No:1 POSITION: Lat S 2738 Long E 1443
 start stop duration
 TIME : 07:25:00 07:55:00 30 (min) Purpose code: 3
 LOG : 2511.60 2513.00 1.70 Area code : 1
 FDEPTH: 350 347 GearCond.code:
 BDEPTH: 350 347 Validity code:
 Towing dir: 315° Wire out: 1050 m Speed: 26 kn*10
 Sorted: 80 Kg Total catch: 85.11 CATCH/HOUR: 170.22

SPECIES	CATCH/HOUR	% OF TOT. C	SAMP. NO.
	weight numbers		
Thyrssites atun	128.80	92	75.67
Merluccius paradoxus	32.00	110	18.80
Lampanyctodes hectoris	4.20	4	2.47
Todarodes sagittatus	4.00	4	2.35
Beryx splendens	0.40	2	0.23
Helicolenus dactylopterus	0.20	6	0.12
Paracallionymus costatus	0.20	4	0.12
Lycoteuthis diadema	0.02	2	0.01
Total	169.82	99.77	

PROJECT STATION: 382
 DATE: 18/9/90 GEAR TYPE: BT No:1 POSITION: Lat S 2721 Long E 1457
 start stop duration
 TIME :10:23:00 10:53:00 30 (min) Purpose code: 3
 LOG :2531.70 2533.30 2.00 Area code : 1
 FDEPTH: 254 247 GearCond.code:
 BDEPTH: 254 247 Validity code:
 Towing dir: 360° Wire out: 1000 m Speed: 32 kn*10
 Sorted: 48 Kg Total catch: 320.70 CATCH/HOUR: 641.40

SPECIES	CATCH/HOUR	% OF TOT. C	SAMP. NO.
	weight numbers		
Merluccius capensis	630.00	98.22	73
Sufflogobius bibarbatatus	5.40	0.84	
Todarodes sagittatus	2.40	0.37	
Holohalaelurus regani	1.60	0.28	
Leapanactodes hectoris	1.20	0.19	
Lepidopus caudatus	0.60	0.09	
Total	641.40	99.99	

PROJECT STATION: 383
 DATE: 18/9/90 GEAR TYPE: BT No:1 POSITION: Lat S 2719 Long E 1501
 start stop duration
 TIME :13:10:00 13:40:00 30 (min) Purpose code: 3
 LOG :2544.40 2545.90 1.90 Area code : 1
 FDEPTH: 177 170 GearCond.code:
 BDEPTH: 177 170 Validity code:
 Towing dir: 340° Wire out: 750 m Speed: 30 kn*10
 Sorted: 26 Kg Total catch: 121.10 CATCH/HOUR: 242.20

SPECIES	CATCH/HOUR	% OF TOT. C	SAMP. NO.
	weight numbers		
Merluccius capensis	213.00	87.94	74
Sufflogobius bibarbatatus	15.00	6.19	
Callorhynchus capensis	6.20	2.56	
Trachurus capensis	6.00	2.48	
Lolliguncula mercatoris	2.00	0.83	
Total	242.20	100.00	

PROJECT STATION: 384
 DATE: 18/9/90 GEAR TYPE: BT No:1 POSITION: Lat S 2711 Long E 1503
 start stop duration
 TIME :15:04:00 15:34:00 30 (min) Purpose code: 3
 LOG :2553.30 2554.90 2.00 Area code : 1
 FDEPTH: 154 155 GearCond.code:
 BDEPTH: 154 155 Validity code:
 Towing dir: 340° Wire out: 450 m Speed: 32 kn*10
 Sorted: 56 Kg Total catch: 56.20 CATCH/HOUR: 112.40

SPECIES	CATCH/HOUR	% OF TOT. C	SAMP. NO.
	weight numbers		
MYCTOPHIDAE	54.00	48.75	
Merluccius capensis	50.00	44.48	
Trachurus capensis	3.80	3.38	
Callorhynchus capensis	3.00	2.67	
Lepidopus caudatus	0.80	0.71	
Total	112.40	99.99	

PROJECT STATION: 385
 DATE: 18/9/90 GEAR TYPE: BT No:1 POSITION: Lat S 2701 Long E 1450
 start stop duration
 TIME :17:54:00 18:24:00 30 (min) Purpose code: 3
 LOG :2568.40 2569.90 2.10 Area code : 1
 FDEPTH: 199 198 GearCond.code:
 BDEPTH: 199 198 Validity code:
 Towing dir: 338° Wire out: 800 m Speed: 30 kn*10
 Sorted: 35 Kg Total catch: 141.90 CATCH/HOUR: 283.80

SPECIES	CATCH/HOUR	% OF TOT. C	SAMP. NO.
	weight numbers		
Merluccius capensis	176.00	62.02	75
MYCTOPHIDAE	97.60	34.30	
Trachurus capensis	7.60	2.68	
Lepidopus caudatus	2.60	0.92	
Total	283.80	100.01	

PROJECT STATION: 386
 DATE: 19/9/90 GEAR TYPE: BT No:1 POSITION: Lat S 2656 Long E 1440
 start stop duration
 TIME :07:16:00 07:46:00 30 (min) Purpose code: 3
 LOG :2603.60 2605.30 1.90 Area code : 1
 FDEPTH: 250 250 GearCond.code:
 BDEPTH: 250 250 Validity code:
 Towing dir: 340° Wire out: 1000 m Speed: 34 kn*10
 Sorted: 87 Kg Total catch: 231.80 CATCH/HOUR: 463.60

SPECIES	CATCH/HOUR	% OF TOT. C	SAMP. NO.
	weight numbers		
Merluccius capensis female	140.00	30.20	78
Merluccius capensis male	116.00	25.92	77
Sufflogobius bibarbatatus	97.20	20.97	76
Merluccius capensis juveniles	92.00	19.84	79
Trachurus capensis	11.60	2.50	
Squilla sp	3.20	0.69	
Lepidopus caudatus	1.60	0.35	
Lophius upsicephalus	1.20	0.26	
Austroglossus microlepis	0.40	0.09	
Malacocephalus laevis	0.40	0.09	
Total	463.60	100.01	

PROJECT STATION: 387
 DATE: 19/9/90 GEAR TYPE: BT No:1 POSITION: Lat S 2647 Long E 1420
 start stop duration
 TIME :10:14:00 10:44:00 30 (min) Purpose code: 3
 LOG :2624.90 2626.60 1.64 Area code : 1
 FDEPTH: 352 350 GearCond.code:
 BDEPTH: 352 350 Validity code:
 Towing dir: 345° Wire out: 1050 m Speed: 34 kn*10
 Sorted: 95 Kg Total catch: 244.35 CATCH/HOUR: 468.70

SPECIES	CATCH/HOUR	% OF TOT. C	SAMP. NO.
	weight numbers		
Merluccius paradoxus	475.60	97.32	80
Todaropsis eblanæ	8.60	1.76	
MYCTOPHIDAE	1.00	0.20	
Helicolenus dactylopterus	1.00	0.20	
Parapenaeus longirostris	1.00	0.20	
Sufflogobius bibarbatatus	1.00	0.20	
Malacocephalus laevis	0.50	0.10	
Total	488.70	99.98	

PROJECT STATION: 388
 DATE: 19/9/90 GEAR TYPE: BT No:1 POSITION: Lat S 2635 Long E 1440
 start stop duration
 TIME :13:26:00 13:56:00 30 (min) Purpose code: 3
 LOG :2649.20 2650.90 1.78 Area code : 1
 FDEPTH: 212 212 GearCond.code:
 BDEPTH: 212 212 Validity code:
 Towing dir: 343° Wire out: 800 m Speed: 34 kn*10
 Sorted: 32 Kg Total catch: 576.40 CATCH/HOUR: 1152.80

SPECIES	CATCH/HOUR	% OF TOT. C	SAMP. NO.
	weight numbers		
Merluccius capensis female	590.40	51.21	83
Merluccius capensis male	504.00	43.72	82
Merluccius capensis juveniles	43.20	3.75	81
Trachurus capensis	7.20	0.62	
Todarodes sagittatus	3.00	0.28	
Callorhynchus capensis	3.00	0.26	
Austroglossus microlepis	2.00	0.17	
Total	1152.80	99.99	

PROJECT STATION: 389
 DATE: 19/9/90 GEAR TYPE: BT No:1 POSITION: Lat S 2630 Long E 1436
 start stop duration
 TIME :16:20:00 16:50:00 30 (min) Purpose code: 3
 LOG :2673.00 2674.60 1.60 Area code : 1
 FDEPTH: 250 250 GearCond.code:
 BDEPTH: 250 250 Validity code:
 Towing dir: 343° Wire out: 900 m Speed: 32 kn*10
 Sorted: 87 Kg Total catch: 442.80 CATCH/HOUR: 885.60

SPECIES	CATCH/HOUR	% OF TOT. C	SAMP. NO.
	weight numbers		
Merluccius capensis female	525.00	59.28	85
Merluccius capensis male	263.00	29.70	86
MYCTOPHIDAE	29.00	3.27	
Todarodes sagittatus	18.00	2.03	
Merluccius capensis juveniles	17.00	1.92	84
Sufflogobius bibarbatatus	11.00	1.24	
Trachurus capensis	10.00	1.13	
Callorhynchus capensis	6.00	0.68	
Lophius upsicephalus	3.60	0.41	
Lepidopus caudatus	3.00	0.34	
Total	885.60	100.00	

PROJECT STATION: 390
 DATE: 19/9/90 GEAR TYPE: BT No:1 POSITION: Lat S 2618 Long E 1420
 start stop duration
 TIME :18:40:00 19:10:00 30 (min) Purpose code: 3
 LOG :2691.20 2692.70 1.80 Area code : 1
 FDEPTH: 252 239 GearCond.code:
 BDEPTH: 252 239 Validity code:
 Towing dir: 330° Wire out: 900 m Speed: 30 kn*10
 Sorted: 4 Kg Total catch: 26.30 CATCH/HOUR: 52.60

SPECIES	CATCH/HOUR	% OF TOT. C	SAMP. NO.
	weight numbers		
Merluccius capensis	17.00	42.89	87
Sufflogobius bibarbatatus	17.00	39.37	
Lepidopus caudatus	4.30	8.27	
Trachurus capensis	3.30	6.27	
MYCTOPHIDAE	2.40	4.56	
Todaropsis eblanæ	2.00	3.80	
Shrimps, small, non comm.	0.60	1.14	
Squilla sp	0.60	1.14	
Total	52.60	99.99	

PROJECT STATION: 391
 DATE: 19/9/90 GEAR TYPE: BT No:1 POSITION: Lat S 2618 Long E 1404
 start stop duration
 TIME :21:18:00 21:50:00 32 (min) Purpose code: 3
 LOG :2708.70 2710.30 1.60 Area code : 1
 FDEPTH: 350 350 GearCond.code:
 BDEPTH: 350 350 Validity code:
 Towing dir: 342° Wire out: 1050 m Speed: 32 kn*10
 Sorted: 61 Kg Total catch: 284.00 CATCH/HOUR: 532.50

SPECIES	CATCH/HOUR	% OF TOT. C	SAMP. NO.
	weight numbers		
Merluccius capensis female	249.94	46.94	89
Merluccius capensis male	99.94	18.77	90
Todaropsis eblanæ	99.94	18.77	
Merluccius paradoxus	31.31	5.88	88
Shrimps, small, non comm.	24.38	4.58	
Trachurus capensis	8.12	1.52	
MYCTOPHIDAE	8.06	1.51	
Hoplostethus cadenati	4.88	0.92	
Helicolenus dactylopterus	4.69	0.88	
Malacocephalus laevis	1.26	0.24	
Total	532.52	100.01	

PROJECT STATION: 392
 DATE: 20/9/90 GEAR TYPE: BT No:1 POSITION: Lat S 2548 Long E 1340
 start stop duration
 TIME :05:28:00 06:01:00 33 (min) Purpose code: 3
 LOG :2767.20 2768.90 1.66 Area code : 1
 FDEPTH: 454 453 GearCond.code:
 BDEPTH: 454 453 Validity code:
 Towing dir: 347° Wire out: 1200 m Speed: 32 kn*10
 Sorted: Kg Total catch: 8.60 CATCH/HOUR: 15.64

SPECIES	CATCH/HOUR	% OF TOT. C	SAMP. NO.
	weight numbers		
MYCTOPHIDAE	5.82	37.21	
Hoplostethus cadenati	4.18	26.73	
Schedophilus huttoni	2.36	15.09	
Merluccius paradoxus	1.45	9.27	
Todaropsis eblanæ	0.91	5.82	
Lycoteuthis diadema	0.36	2.30	
Picislonka sp	0.18	1.15	
Malacocephalus laevis	0.18	1.15	
Selachophidium guentheri	0.09	0.58	
Aphanopus sp	0.09	0.58	
Total	15.62	99.88	