

Table 1 Species composition, Habitat, Environment, CPUE (number of fish per operation) and standard deviation (SD) of fin fishes collected from estuarine upper zone (EUZ) and estuarine marine zone (EMZ) of Kodungallur-Azhikode estuary (KAE) during July 2009-2010 period.

Species	Habitat	Environment	EMZ		EUZ	
			CPUE	SD	CPUE	SD
<i>Anguilla bengalensis</i>	F, E, M	Benthopelagic	1.33	0.58	0.33	0.58
<i>Strongylura strongylura</i>	E, M	Pelagic-neritic	11.33	3.51	10.00	3.61
<i>Rhynchorhamphus georgii</i>	E, M	Pelagic-neritic	11.00	2.65	8.00	3.00
<i>Sardinella gibbosa</i>	M	Reef-associated	4.33	4.04	1.00	1.73
<i>Sardinella longiceps</i>	M	Pelagic-neritic	9.67	14.22	9.33	16.17
<i>Stolephorus commersonii</i>	E, M	Pelagic-neritic	0.67	1.15	0.33	0.58
<i>Thryssa dussumieri</i>	E, M	Pelagic-neritic	9.33	1.53	10.67	6.43
<i>Thryssa malabarica</i>	E, M	Pelagic-neritic	10.33	2.52	9.67	6.03
<i>Puntius amphibiis</i>	F, E	Benthopelagic	0.00	0.00	4.67	5.69
<i>Puntius filamentosis</i>	F	Benthopelagic	1.00	1.73	6.67	8.33
<i>Puntius sarana</i>	F, E	Benthopelagic	0.00	0.00	1.67	1.53
<i>Elops machnata</i>	E, M	Pelagic-neritic	6.33	6.11	6.00	6.08
<i>Megalops cyprinoides</i>	F, E, M	Benthopelagic	18.67	4.51	10.33	2.08
<i>Chanos chanos</i>	F, E, M	Benthopelagic	16.67	15.82	20.00	15.87
<i>Lisa macrolepis</i>	F, E, M	Demersal	29.00	0.00	34.33	1.15
<i>Lisa parsia</i>	F, E, M	Demersal	30.67	6.11	34.33	8.08
<i>Mugil cephalus</i>	F, E, M	Benthopelagic	34.00	11.00	39.33	17.62
<i>Valamugil cunnesius</i>	F, E, M	Demersal	17.00	5.20	26.67	14.84
<i>Valamugil speigleri</i>	F, E, M	Demersal	22.33	10.02	28.67	8.02
<i>Ambassis ambassis</i>	F, E, M	Demersal	41.67	18.34	34.00	17.35
<i>Carangoides malabaricus</i>	M	Reef-associated	9.00	6.24	5.67	5.69
<i>Caranx sexfasciatus</i>	M	Reef-associated	10.33	10.07	5.33	7.57
<i>Trachinotus blochii</i>	M	Reef-associated	10.67	8.08	1.00	0.00
<i>Channa marulius</i>	F	Benthopelagic	0.00	0.00	0.33	0.58
<i>Channa striata</i>	F, E	Benthopelagic	0.00	0.00	1.00	1.73
<i>Etroplus maculatus</i>	E, M	Benthopelagic	31.00	7.00	37.33	12.86
<i>Etroplus suratensis</i>	E	Benthopelagic	21.00	12.12	33.67	11.55
<i>Oreochromis mossambicus</i>	F, E	Benthopelagic	22.33	11.06	37.67	23.67
<i>Bunaka gyrinoides</i>	F, E, M	Demersal	2.00	1.73	2.67	3.06
<i>Butis butis</i>	F, E, M	Demersal	3.00	1.73	4.00	2.00
<i>Eleotris fusca</i>	F, E, M	Demersal	2.67	1.15	2.67	0.58
<i>Gerres erythrourus</i>	F, E, M	Demersal	23.33	2.52	26.33	11.59
<i>Gerres filamentosus</i>	E, M	Reef-associated	38.00	23.30	32.33	15.18
<i>Gerres setifer</i>	E, M	Benthopelagic	31.00	5.20	14.67	5.51
<i>Gobiopsis macrostoma</i>	E, M	Demersal	2.00	1.00	3.67	2.08
<i>Taenioides buchanani</i>	E, M	Demersal	1.33	1.53	1.33	2.31

Continuing Table 1

Species	Habitat	Environment	EMZ		EUZ	
			CPUE	SD	CPUE	SD
<i>Taenioides cirratus</i>	F, E, M	Demersal	0.00	0.00	0.33	0.58
<i>Siganus canaliculatus</i>	E, M	Reef-associated	15.00	7.94	8.67	3.51
<i>Trypauchen vagina</i>	E, M	Demersal	7.33	7.09	3.67	0.58
<i>Lates calcarifer</i>	F, E, M	Demersal	2.00	1.73	0.67	0.58
<i>Eubleekeria splendens</i>	E, M	Demersal	37.33	15.63	36.00	8.19
<i>Leiognathus berbis</i>	E, M	Demersal	29.33	16.50	40.33	15.14
<i>Photopectoralis bindus</i>	E, M	Demersal	21.33	10.50	36.67	20.26
<i>Lethrinus lentjan</i>	E, M	Reef-associated	11.67	2.31	8.67	4.93
<i>Lutjanus malabaricus</i>	M	Reef-associated	6.33	3.79	5.33	4.04
<i>Upeneus sulphureus</i>	E, M	Demersal	4.00	3.61	1.33	0.58
<i>Upeneus vittatus</i>	E, M	Reef-associated	2.33	3.21	1.67	1.15
<i>Pristolepis fasciata</i>	F	Demersal	0.00	0.00	0.33	0.58
<i>Scatophagus argus</i>	E, M	Reef-associated	13.00	1.73	2.33	2.52
<i>Johnius belangerii</i>	E, M	Demersal	16.00	8.66	0.00	0.00
<i>Otolithoides biauritus</i>	M	Demersal	19.67	12.42	0.00	0.00
<i>Sillogo sihima</i>	E, M	Reef-associated	13.67	5.51	1.00	0.00
<i>Terapon jarbua</i>	F, E, M	Demersal	13.67	9.02	9.00	6.08
<i>Cyanoglossus macrostomus</i>	E, M	Benthopelagic	12.33	5.51	5.67	5.03
<i>Pseudorhombus arsius</i>	E, M	Demersal	4.33	2.08	5.00	5.29
<i>Platycephalus indicus</i>	E, M	Reef-associated	6.00	1.73	8.67	5.86
<i>Arius subrostratus</i>	E, M	Demersal	15.33	5.13	16.00	6.08
<i>Plicofollis dussumieri</i>	F, M, E	Demersal	26.67	12.86	30.33	13.01
<i>Horabagrus branchysoma</i>	F, E	Demersal	2.00	3.46	7.67	7.02
<i>Mystus gulio</i>	E, M	Demersal	13.33	3.21	23.67	10.02
<i>Clarias batrachus</i>	F, E	Demersal	0.00	0.00	0.67	1.15
<i>Heteropneustes fossilis</i>	F, E	Demersal	0.00	0.00	0.33	0.58
<i>Wallago atto</i>	F, E	Demersal	0.00	0.00	0.33	0.58

Note: F: Freshwater, E: Estuarine, M: Marine