

**Table 1.** Ichthyofauna composition according to littoral types of the gulf Arguin (*n*—number of caught specimens; *LT*—specimen average length, mm)

No.	Species	Littoral types												n
		type 1		type 2		type 3		type 4		type 5		type 6		
		n	TL	n	TL	n	TL	n	TL	n	TL	n	TL	
1	<i>Albula vulpes</i>									1	233.0	1	242.0	2
2	<i>Alectis alexandrinus</i>	2	417.5											2
3	<i>Argyrosomus regius</i>							6	137.6					6
4	<i>Arius heudeloti</i>	21	60.3					5	181.7	2	421.0			28
5	<i>A. parkii</i>	4	177.5	13	191.3	1	455.0	2	223.5	2	242.0			22
6	<i>Atherina lopeziana</i>	7	39.0			9	70.4							16
7	<i>A. presbyter</i>	653	26.1	35	66.2	218	129.3	7	65.3	637	31.9			1550
8	<i>Batrachoides liberiensis</i>									1	105.0			1
9	<i>Belone</i> sp.					5	304.0			2	385.5			7
10	<i>Bodianus speciosus</i>									1	90.0			1
11	<i>Brachydeuterus auritus</i>			37	83.1			15	78.3			7	81.1	59
12	<i>Branchiostegus semifasciatus</i>									10	63.0			10
13	<i>Campogramma glaycos</i>			2	245.0			22	185.6					24
14	<i>Caranx crysos</i>							1	71.0	1	21.0			2
15	<i>C. hippos</i>											2	50.0	2
16	<i>Chelon labrosus</i>	44	23.5	47	26.4	24	84.8	31	94.5	1	254.0			147
17	<i>Chloroscombrus chrysurus</i>	58	67.4			1	61.0	17	200.6	31	61.3			107
18	<i>Citharichthys stampfilii</i>	8	98.4			1	153.0							9
19	<i>Coris julis</i>									24	97.0			24
20	<i>Cynoglossus senegalensis</i>	4	51.3			3	133.7			2	213.0			9
21	<i>Decapterus rhonchus</i>	101	126.0					26	217.0	2	35.0	10	72.0	139
22	<i>Dentex canariensis</i>	1	138.0					1	215.0	1	142.0			3
23	<i>Dicentrarchus punctatus</i>	354	43.1	394	47.4	364	126.8	752	102.4	499	75.1			2363
24	<i>Dicologlossa cuneata</i>	2	86.5	1	165.0	1	100.0			1	206.0			5
25	<i>Diplodus bellottii</i>	132	55.4	21	18.0	49	79.2	169	127.4	9	67.0	8	71.4	388
26	<i>D. sargus</i>	185	26.4	8	105.5	89	158.3	31	85.1	499	29.5	1	228.0	813
27	<i>Ephippion guttifer</i>	2	445.0			1	93.0			17	99.6			20
28	<i>Epinephelus aeneus</i>	4	63.0							3	110.3			7
29	<i>E. caninus</i>							100	104.8					100
30	<i>Engraulis encrasicolus</i>							24	48.3	16	43.6			40

Table 1. (Contd.)

No.	Species	Littoral types*												n
		1		2		3		4		5		6		
		n	TL	n	TL	n	TL	n	TL	n	TL	n	TL	
31	<i>Ethmalosa fimbriata</i>	23	71.5	11	59.1			223	79.4	21	52.3			278
32	<i>Eucinostomus melanopterus</i>	484	66.5	65	71.9	287	96.6	11	120.2	262	54.8	1	154.0	1110
33	<i>Fistularia tabacaria</i>					8	108.3			12	378.6			20
34	<i>Galeoides decadactylus</i>	5	171.4					70	136.7	53	68.2			128
35	Gobiidae gen. spp.	29	60.2			7	107.3			15	55.4			51
36	<i>Halobatrachus didactylus</i>	1	49.0							1	62.0			2
37	<i>Lagocephalus laevigatus</i>	1	260.0	3	19.0	1	285.0			1	150.0	1	150.0	7
38	<i>Leptocharias smithii</i>	3	645.0					2	491.5	2	341.0			7
39	<i>Lichia amia</i>	1	645.0			1	100.0							2
40	<i>Lithognathus mormyrus</i>	489	38.0	45	54.6	98	92.7	14	115.2	944	42.8	5	52.0	1595
41	<i>Liza dumerili</i>	704	78.8	423	60.7	2390	70.6	108	193.5	796	80.4			4421
42	<i>Mugil capurrii</i>	527	21.1	24	68.3	435	124.5	42	169.6	94	124.0			1122
43	<i>M. cephalus</i>	9	44.4	49	131.0	1	179.0	4	55.5	16	54.4	12	84.3	91
44	<i>Mycteroperca rubra</i>	12	91.7							12	91.7			24
45	<i>Nicholsina usta</i>	1	103.0			1	103.0			19	52.4			21
46	<i>Pagellus bellottii</i>	1	103.0			26	147.7							27
47	<i>Paragaleus pectoralis</i>					2	544.0							2
48	<i>Parapristipoma octolineatum</i>							2	262.0					2
49	<i>Pegusa lascaris</i>	1	58.0											1
50	<i>P. triophthalmus</i>	1	53.0	1	58.0	3	131.0							5
51	<i>Pomadasys incisus</i>	18	66.4			6	123.3	15	91.2	127	21.8			166
52	<i>P. jubelini</i>	1	93.0	6	32.8			4	108.5	102	28.1	2	71.5	115
53	<i>P. perotaei</i>	21	67.2	13	55.2	10	95.5	2	69.0	77	68.1	12	68.2	135
54	<i>P. rogeri</i>	60	50.2			277	71.7	4	115.3	630	92.9	6	86.2	977
55	<i>Pomatomus saltatrix</i>			4	54.0	4	54.8	27	224.9	17	68.3			52
56	<i>Psettodes belcheri</i>	12	181.9					1	159.0	5	242.2			18
57	<i>P. bennetti</i>									1	340.0			1
58	<i>Pseudotolithus senegalensis</i>									1	789.0			1
59	<i>Remora remora</i>									1	190.0			1
60	<i>Rhinobatos rhinobatos</i>					2	313.5	5	407.2	3	256.0			10
61	<i>Rhizoprionodon acutus</i>	1	343.0							2	366.0			3
62	<i>Sardinella aurita</i>	2	66.5							1	117.0			3
63	<i>S. maderensis</i>	2121	28.1	92	74.8	63	118.6	185	79.0	1028	58.9			3489
64	<i>Sarpa salpa</i>									1	148.0			1
65	<i>Scarus hoefleri</i>									1	146.0			1
66	<i>Sciaena umbra</i>									1	213.0	1	125.0	2

Table 1. (Contd.)

No.	Species	Littoral types*												n
		1		2		3		4		5		6		
		n	TL	n	TL	n	TL	n	TL	n	TL	n	TL	
67	<i>Scomberomorus tritor</i>					3	81.7	1	468.0	6	110.2			10
68	<i>Serranus scriba</i>					1	110.0			27	103.6	2	66.0	30
69	<i>Smaris macrophthalmus</i>					2	116.5							2
70	<i>Solea senegalensis</i>	38	101.2	2	119.0	51	143.1	9	166.7	3	137.0			103
71	<i>S. vulgaris</i>	5	88.0							4	95.5			9
72	<i>Sparisoma rubipinne</i>									2	200.0			2
73	<i>Sparus aurata</i>			48	150.0	4	140.5	1	247.0	22	156.0			75
74	<i>S. caeruleostictus</i>					2	40.0							2
75	<i>Sphoeroides spengleri</i>	3	55.0			20	143.3			62	66.8			85
76	<i>Sphyraena sphyraena</i>	1	137.0			1	56.0							2
77	<i>Spicara spicara</i>					1	141.0							1
78	<i>Spondyliosoma cantharus</i>					7	83.6			5	93.0			12
79	<i>Stephanolepis hispidus</i>	7	53.0			6	72.0			27	77.9			40
80	<i>Syacium micrurum</i>	5	70.6	1	110.0					1	140.0			7
81	<i>Symphodus tinca</i>					17	154.1			30	29.1			47
82	<i>Synaptura lusitanica</i>					2	114.5	2	253.0	5	114.2			9
83	<i>Syngnathus</i> sp.	1	140.0											1
84	<i>Tilapia guineensis</i>	2	120.0			26	177.5			3	89.7			31
85	<i>Torpedo torpedo</i>	1	105.0					1	105.0					2
86	<i>Trachinotus goreensis</i>									11	105.2			11
87	<i>T. ovatus</i>	2	88.0			34	66.4	6	134.0	424	56.3	11	63.7	477
88	<i>T. teraia</i>									12	118.5			12
89	<i>Trachurus trachurus</i>									1	86.0			1
90	<i>Umbrina canariensis</i>	6	277.7			3	108.3			41	126.5	3	115.7	53
91	<i>Zanobatus schoenleinii</i>									1	310.0			1
	Total	6181		1345		4568		1948		6695		85		20822
	Species total	53		24		48		39		71		17		91
	% of adult species	0.5		0.3		0.9		2.1		0.5		0.6		