

Table 2 Fish species recorded in the Karnafully river estuary in different seasons showing relative %contribution to the total abundance

Serial no.	Species Name	Total	% Contribution	% Contribution in different season			
				Winter	Pre Monsoon	Mon soon	Post Monsoon
1	<i>Harpodonnehereus</i> (Hamilton-Buchanan,1822)	245	20.54	16.32	1.667	30.031	10.8
2	<i>Pannamicrodon</i> (Bleeker,1849)	208	17.44	8.163	18.333	18.711	17.6
3	<i>Coiliaramcarati</i> (Hamilton-Buchanan,1822)	172	14.42	8.163	22.222	14.937	10.00
4	<i>Johniusmacropterus</i> (Bleeker,1853)	130	10.9	27.891	9.444	3.774	19.20
5	<i>Eleutheronematetradactylum</i> (Shaw,1804)	77	6.45	0.68	1.111	11.478	0.40
6	<i>Coiliadussumieri</i> (Valenciennes,1848)	52	4.36	10.204	1.111	2.358	8.00
7	<i>Cynoglossus lingua</i> (Hamilton-Buchanan,1822)	52	4.36	9.524	5.00	0.943	9.20
8	<i>Odontamblyopusrubicundus</i> (Hamilton, 1822)	51	4.28	2.041	3.889	6.447	0.00
9	<i>Mystusgulio</i> (Hamilton & Buchanna,1822)	41	3.44	0.68	15.00	0.157	4.80
10	<i>Setipimataty</i> (Valenciennes,1848)	24	2.01	0.68	7.778	0.629	2.00
11	<i>Trypauchen vagina</i> (Bloch & Schneider)	19	1.593	2.721	0.556	0.943	3.20
12	<i>Gudusiachapra</i> (Hamilton, 1822)	18	1.509	0.00	0.556	0.629	5.20
13	<i>Polynemusindicus</i> (Shaw,1804)	15	1.257	2.041	0.00	0.629	3.20
14	<i>Alentrogobius sp.</i>	9	0.754	0.00	2.222	0.00	2.00
15	<i>Cynoglossusmacrolepidotus</i> (Bleeker,1851)	9	0.754	4.762	1.111	3.145	0.00
16	<i>Paraplagusiabilineata</i> (Bloch,1784)	8	0.671	1.361	0.556	0.00	2.00
17	<i>Stolephorus tri</i> (Bleeker,1852)	7	0.587	0.68	0.00	0.943	0.00
18	<i>Tennualosatoli</i> (Valenciennes,1847)	7	0.587	0.00	0.556	0.629	0.80
19	<i>Gymnothoraxpunctatus</i> (Bloch & Schnieder,1801)	5	0.419	0.00	1.111	0.157	0.80
20	<i>Phisodonophisboro</i> (Hamilton, 1822)	5	0.419	0.00	1.667	0.314	0.00
21	<i>Arius arius</i> (Hamilton,1822)	4	0.335	0.68	0.00	0.157	0.80
22	<i>Polynemusindicus</i> (Shaw,1804)	4	0.335	0.68	1.667	0.00	0.00
23	<i>Apocrypteslanceolatus</i> (Day,1875-78)	3	0.251	0.00	0.00	0.472	0.00
24	<i>Congresotalabonoides</i> (Bleeker, 1853)	3	0.251	1.361	0.00	0.157	0.00
25	<i>Corvinadussumieri</i> (Sasaki, 1999)	3	0.251	0.00	0.00	0.472	0.00
26	<i>Rita rita</i> (Hamilton, 1822)	3	0.251	0.00	0.00	0.472	0.00
27	<i>Johniusbelangerii</i> (Cuvier,1830)	2	0.168	0.68	0.00	0.157	0.00
28	<i>Lutjanusrusselli</i> (Bleeker,1849)	2	0.168	0.68	0.556	0.00	0.00
29	<i>Sillagodomina</i> (Cuvier: Day,1876)	2	0.168	0.00	0.00	0.314	0.00
30	<i>Teraponjarbua</i> (Forsskal,1775)	2	0.168	0.00	1.111	0.00	0.00
31	<i>Boleopthalmusviridis</i> (Cuvier & Valenciennes,1851)	1	0.084	0.00	0.00	0.157	0.00
32	<i>Dussumieriaacuta</i> (Valenciennes,1847)	1	0.084	0.00	0.00	0.157	0.00
33	<i>Lepturacanthussavala</i> (Cuvier,1829)	1	0.084	0.00	0.00	0.157	0.00
34	<i>Monopteruscuchia</i> (Hamilton, 1822)	1	0.084	0.00	0.00	0.157	0.00
35	<i>Pampuschinensis</i> (Euphrasn,1788)	1	0.084	0.00	0.00	0.157	0.00
36	<i>Platycephalusindicus</i> (Linnaeus,1758)	1	0.084	0.00	0.00	0.157	0.00
37	<i>Pseudapocrypteslanceolatus</i> (Bloch-Schneider,1801)	1	0.084	0.00	0.556	0.00	0.00
38	<i>Cynoglossusdeltae</i> (Jenkins, 1910)	1	0.084	0.00	0.556	0.00	0.00
39	<i>Gobiodesrudicundus</i> (Hamilton-Buchanan, 1822)	1	0.084	0.00	0.556	0.00	0.00
40	<i>Glossogobiusgiuris</i> (Hamilton-Buchanan, 1822)	1	0.084	0.00	0.556	0.00	0.00
41	<i>Acentrogobius cyanomos</i> (Bleeker, 1849)	1	0.084	0.00	0.556	0.00	0.00
Total number of taxa		41		20	26	31	17
Total number of individual		1193		147	180	636	250
Shannon ±SD				2.41 ±0.10	2.64 ±0.11	2.67 ±0.05	2.54 ±0.07
Margalefindex ±SD				4.14 ±0.56	4.88 ±0.33	5.14 ±0.64	4.12 ±0.30
Pielou ±SD				0.95 ±0.009	0.93 ±0.008	0.96 ±0.007	0.95 ±0.010
Simpson ±SD				0.97 ±0.012	0.96 ±0.008	0.95 ±0.002	0.96 ±0.005