

Table 3 Monthly spatial variation in the community structure indices of planktonic diatoms in selected parts of Lower Ogun River in Abeokuta

Community Structure Indices	March, 2015				April, 2015				May, 2015				June, 2015			
	A	B	C	D	A	B	C	D	A	B	C	D	A	B	C	D
Abundance (N)	600	500	540	2840	3140	1620	2280	800	960	1020	3420	480	400	500	1800	740
Species diversity (S)	8	7	12	12	32	19	16	14	11	15	20	10	8	8	12	10
Shannon-Weaver Index (Hs)	2.77	2.69	2.71	3.45	3.48	3.19	3.35	2.88	2.97	2.99	3.53	2.66	2.58	2.68	3.25	2.86
Menhinick Index (D)	0.33	0.31	0.52	0.23	0.57	0.47	0.34	0.49	0.36	0.47	0.34	0.46	0.40	0.36	0.28	0.37
Margalef Index (d)	1.09	0.97	1.75	1.38	3.85	2.44	1.94	1.94	1.46	2.02	2.33	1.46	1.17	1.13	1.47	1.36
Pielou Equitability Index (j)	0.92	0.96	0.76	0.96	0.70	0.75	0.84	0.76	0.86	0.77	0.82	0.80	0.86	0.89	0.91	0.86
Simpsons Dominance Index (C)	1.15	1.06	1.12	1.28	1.06	1.15	1.12	1.10	1.03	1.09	1.03	1.06	1.10	1.23	1.41	1.17