

Sampling locations	Altitude	Diversity ( $H'$ )	Evenness ( $E$ )	Abundance	Richness ( $S$ )	Dominance ( $D$ )
Moyar river system						
Belemeenthurai	520	0.841	0.932	19	8	8.55
Gulithuraipatti	312	0.769	0.769	62	10	5.016
Kallampalayam	300	0.62	0.686	38	8	3.316
Chalakydy river system						
Urilikal	3238	0.734	0.869	131	7	4.598
Thellikal	840	0.805	0.843	32	9	5.701
Baghapallam	748	0.617	0.793	36	6	3.728
Puliyarkutti 8th bridge	527	0.879	0.921	39	9	7.8
Thunakadavu tunnel	520	0.357	0.748	42	3	2.121
Puliyarkutti 3rd bridge	512	0.401	0.841	17	3	2.429
Thunakadavu stream	510	0.864	0.864	68	10	6.026
Thenmudiparai	510	0.74	0.875	59	7	4.833
Orukomban range	450	0.711	0.842	49	7	4.576
Pillapara	267	0.718	0.923	25	6	5.769
Athirappilly	202	1.01	0.936	52	12	11.143
Bhavani river system						
Kovaikutralam falls	560	0.722	0.928	40	6	5
Nellithurai	380	0.757	0.896	29	7	5.639
Periyar river system						
Melaparai	965	0.798	0.944	19	7	7.773
Naduthotam	950	1.019	0.915	152	13	9.936
Ummikuppamthodu	943	0.527	0.678	41	6	2.384
Anjurily	912	0.537	0.768	19	5	3.054
Oorpannikaham	884	0.767	0.849	27	8	5.4
Sorrakottaodai	879	0.465	0.976	16	3	3.243
Thenkasithodu	872	0.638	0.668	100	9	3.327
Valukuparai	869	0.91	0.954	28	9	9.947
Mullaithodu	869	1.045	0.968	48	12	12.966
Cauvery river system						
Kadapilliyarthittu	1137	0.8	0.886	37	8	6.055
Thonanthikla	341	1.069	0.909	46	15	11.129
Belikoonda	267	0.625	0.804	16	6	3.75
Nadathittu	262	1.198	0.921	77	20	15.481
Sinnaru	225	1.268	0.959	75	21	21.346
Nugu river system						
Noolpuzha	2810	0.946	0.946	78	10	8.938