

Sampling locations	Altitude	pH	Conductivity (mS)	TDS (mg L <sup>-1</sup> )	Resistivity (KΩ)	DO (mg L <sup>-1</sup> )	Water temperature (°C)
Moyar river system							
Belemeenthurai	520	8.4	59.2	37.7	16.4	1.3	24.5
Gulithuraipatti	312	8.4	57.8	20.37	24.2	3.5	23.8
Kallampalayam	300	7.9	45.2	28.5	21.9	2.5	24.1
Chalakydy river system							
Urilikal	3238	7.2	78.7	51.9	12.9	1.4	24.1
Thellikal	840	8.8	59.2	37.7	16.4	1.3	24.5
Baghapallam	748	8	57.8	38.0	16.8	2.4	21.7
Puliyarkutti 8th bridge	527	7.79	27.8	18.0	34.8	5.4	23.5
Thunakadavu tunnel	520	5.9	38.3	28.3	22.2	5.09	21.4
Puliyarkutti 3rd bridge	512	7.79	27.8	18.0	34.8	5.4	23.5
Thunakadavu stream	510	5.9	38.3	28.3	22.2	5.09	21.4
Thenmudiparai	510	8	45.2	28.5	21.9	2.5	24.1
Orukomban range	450	7.5	33.9	26.5	22.4	3.5	23.4
Pillapara	267	7.6	34.0	19.5	29.9	0.89	33.6
Athirappilly	202	7.2	35.2	47.5	3.97	0.73	32.7
Bhavani river system							
Kovaikutralam falls	560	7.5	31.3	20.1	32.3	3.2	22.5
Nellithurai	380	7.3	30.3	20.3	31.5	2.3	25.5
Periyar river system							
Melaparai	965	9	44.7	28.8	22.5	1.3	26.1
Naduthotam	950	7.5	46.2	30.4	20.6	0.7	25.9
Ummikuppamthodu	943	7.7	64.9	43.2	17.1	1.2	24.8
Anjurily	912	7.2	21.5	13.6	47.5	4.86	19.2
Oorpannikaham	884	8.3	50.3	32.3	20.0	1.2	24.8
Sorrakottaodai	879	8	34.2	21.9	29.5	1.1	23.1
Thenkasithodu	872	5.2	22.0	13.7	45.6	6.11	18.9
Valukuparai	869	7.7	66.9	43.8	15.1	0.7	24.8
Mullaithodu	869	8.1	78.6	51.4	12.5	0.9	24.2
Cauvery river system							
Kadapillyarthittu	1137	9.6	39.1	26.3	2.58	0.72	30.5
Thonanthikla	341	9.2	39.5	26.3	2.65	3.11	30.2
Belikoonda	267	9.4	39.8	26.3	2.63	0.63	32.7
Nadathittu	262	9.4	39.8	26.3	2.63	0.63	32.7
Sinnaru	225	9.2	39.5	26.3	2.65	3.11	30.2
Nugu river system							
Noolpuzha	2810	7.32	85.2	51.7	11.8	3.62	23.2