

Site number	Study site	Latitude	Longitude	Altitude	Forest type in tropical region	Stream order	Stream width (m)	Stream depth (m)	Area (m ²)	Volume (m ³)	Mean velocity* (m s ⁻¹)
		WGS84 (Datum)									
Moyar river system											
1	Gulithuraipatti	11°33'20.4984" N	76°59'16.1016" E	312	Thorn forest	4	10	6	1000	6000	4
2	Kallampalayam	11°31'25.3992" N	77°0'16.4016" E	300	Thorn forest	4	13	8	1300	10400	4
3	Belemeenthurai	11°36'39.9996" N	76°47'38.0004" E	520	Dry deciduous	4	19	1.75	1900	3325	4
Chalakudy river system											
4	Orukomban range	10°22'53.6016" N	76°39'21.3984" E	450	Dry deciduous	4	6	0.5	600	300	3
5	Thenmudiparai	10°24'51.9984" N	76°36'10.5012" E	510	Dry deciduous	5	25	1.5	2500	3750	3
6	Baghapallam	10°24'57.6" N	76°43'21.3996" E	748	Dry deciduous	5	8	0.5	800	400	3
7	Thekkikal	10°27'34.2" N	76°43'48.7992" E	840	Dry deciduous	4	4	1.0	400	400	3
8	Puliyarkutti 8th bridge	10°23'39.6996" N	76°40'8.1984" E	527	Dry deciduous	4	19.2	1.2	1920	2304	3
9	Puliyarkutti 3rd bridge	10°23'52.5984" N	76°40'51.3012" E	512	Dry deciduous	4	37	1.5	3700	5550	3
10	Thunakadavu stream	10°25'44.1012" N	76°46'4.6992" E	510	Dry deciduous	4	13.6	0.5	1360	680	3
11	Thunakadavu tunnel	10°20'9.3012" N	76°34'40.6992" E	520	Dry deciduous	5	15	10	1500	15000	5
12	Urillikal	10°19'54.1992" N	76°53'57.3" E	3238	Dry deciduous	2	7	1.5	700	1050	2
13	Athirappilly	10°18'15.3598" N	76°34'0.0012" E	202	Semi-evergreen	4	8	3	800	2400	4
14	Pillapara	10°17'23.82" N	76°32'21.84" E	267	Semi-evergreen	4	5	2	500	1000	4
Bhavani river system											
15	Kovaikultralam falls	10°56'20.1516" N	76°41'21.0084" E	560	Semi-evergreen	2	5	1.2	500	600	4
16	Nellithurai	11°17'0.3012" N	76°53'6.9" E	380	Thorn forest	4	27	1.1	2700	2970	5
Periyar river system											
17	Oorpannikaham	9°28'58.1016" N	77°16'47.7012" E	884	Evergreen	4	12	2.1	1200	2520	2
18	Valukuparai	9°28'49.4004" N	77°17'35.0988" E	869	Evergreen	4	7.5	0.3	750	225	3
19	Melaparai	9°26'24.7992" N	77°18'24.5988" E	965	Evergreen	4	11	4.2	1100	4620	3
20	Naduthotam	9°26'5.1" N	77°18'48.0996" E	950	Evergreen	4	7.5	0.3	750	225	3
21	Ummikuppamthodu	9°28'20.6004" N	77°14'57.0984" E	943	Evergreen	4	5	3.0	500	1500	4
22	Sorrakottaodai	9°28'45.4008" N	77°15'32.7996" E	879	Evergreen	4	7	1.5	700	1050	3
23	Mullaitthodu	9°31'58.6992" N	77°16'15.8016" E	869	Evergreen	4	10	0.6	1000	600	3
24	Anjurily	9°33'46.1988" N	77°9'19.6992" E	912	Evergreen	4	20	5	2000	10000	2
25	Thenkasithodu	9°30'59.4" N	77°7'5.9988" E	872	Evergreen	4	11.3	0.5	1130	565	2
Cauvery river system											
26	Kadappillyarthittu	12°7'18.1992" N	77°46'28.3008" E	1137	Dry deciduous	4	75	1.5	7500	11250	2
27	Belifkoonda	12°11'2.1012" N	77°43'12.6012" E	267	Dry deciduous	4	80	10	8000	80000	5
28	Nadathittu	12°8'31.9992" N	77°44'48.9984" E	262	Dry deciduous	4	70	6	7000	42000	3
29	Sinnaru	12°6'54.7992" N	77°46'48.5004" E	225	Dry deciduous	4	55	0.5	5500	2750	3
30	Thonanthikla	12°7'2.3988" N	77°46'36.6996" E	341	Dry deciduous	4	25	1	2500	2500	4
Nugu river system											
31	Noolpuzha	11°41'35.0988" N	76°23'36.3984" E	2810	Semi-evergreen	3	25	4.1	2500	10250	4