

Surface Water Quality Data in Puducherry - June 2026

Sl. No.	Parameters	Ousteri Lake	Kanagan Lake	Chunnambar River	Bahour Lake
	Station Code	1396	4634	1689	1686
1	Latitude	11.950528 N	11.935104 N	11.883585 N	11.829944 N
2	Longitude	79.746583 E	79.798522 E	79.787326 E	79.743139 E
3	Dt.of Sampling	01.06.2026	01.06.2026	01.06.2026	01.06.2026
4	Time	02.25 P.M	11.05 A.M	12.10 P.M	01.30 P.M
5	Temperature °C	31.0	32.5	34.0	33.0
6	DO mg/l	7.8	10.0	9.0	5.0
7	pH	8.55	9.22	9.02	7.97
8	Conductivity µmho/cm	517	1107	1398	1190
9	COD (mg/l)	60.0	76.0	68.0	40.0
10	BOD (mg/l)	4.0	7.0	5.0	1.0
11	Turbidity NTU	5.1	9.7	11.6	3.5
12	Nitrate -N (mg/l)	BDL (DL: 0.3)			
13	Nitrite-N (mg/l)	BDL (DL: 0.02)	0.1	BDL (DL: 0.02)	
14	Nitrate (mg/l)	BDL			
15	P. Alkalinity (mg/l)	12	17	15	BDL (DL: 5)
16	Total Alkalinity (mg/l)	161	121	411	422
17	Carbonate (mg/l)	7	10	9	BDL
18	Bi- Carbonate (mg/l)	182	127	483	515
19	Fluoride (mg/l)	0.37	0.17	0.63	0.69
20	Chloride (mg/l)	16.7	243.6	259.3	153.6
21	Ammonia -N (mg/l)	BDL (DL: 0.4)	0.61	BDL (DL: 0.4)	
22	Total Hardness as CaCO ₃ (mg/l)	133.3	160.8	247.1	190.2
23	Calcium Hardness as CaCO ₃ (mg/l)	62.7	82.4	92.2	47.1

Sl. No.	Parameters	Ousteri Lake	Kanagan Lake	Chunnambar River	Bahour Lake
	Station Code	1396	4634	1689	1686
24	Magnesium Hardness as CaCO ₃ (mg/l)	70.6	78.4	154.9	143.1
25	Calcium as Ca ⁺⁺ (mg/l)	25.1	33.0	36.9	18.8
26	Magnesium as Mg ⁺⁺ (mg/l)	17.2	19.1	37.6	34.8
27	TDS (mg/l)	323	633	833	720
28	TSS (mg/l)	11	32	20	BDL (DL: 10)
29	FDS /TFS (mg/l)	160	498	596	561
30	Sodium (mg/l)	49.8	121.5	194.9	196.8
31	Potassium (mg/l)	2.24	14.0	6.8	4.3
32	Sulphate (mg/l)	7.85	48.94	73.8	25.54
33	Ortho phosphate (mg/l)	0.1	BDL (DL: 0.05)	0.11	0.24
34	% Sodium	44.09	59.47	62.19	68.42
35	SAR	1.87	4.15	5.37	6.18
36	Total Coliform MPN/100 ml	920	1600	540	430
37	Faecal Coliform MPN/100ml	280	920	240	210
38	Faecal Streptococci MPN/100ml	220	280	350	280

BDL - Below Detectable Limit; DL - Detection Limit