

Surface Water Quality Data in Puducherry - May 2026				
Sl. No.	Parameters	Ousteri Lake	Kanagan Lake	Chunnambar River
	Station Code	1396	4634	1689
1	Latitude	11.950528 N	11.935104 N	11.883585 N
2	Longitude	79.746583 E	79.798522 E	79.787326 E
3	Dt.of Sampling	07.05.2026	07.05.2026	07.05.2026
4	Time	01.00 P.M	10.30 A.M	11.05 A.M
5	Temperature °C	31.5	31.5	32.0
6	DO mg/l	6.6	8.9	8.8
7	pH	8.61	7.75	8.48
8	Conductivity µmho/cm	531	1220	1390
9	COD (mg/l)	36.0	76.0	64.0
10	BOD (mg/l)	4.5	22.5	6.5
11	Turbidity NTU	4.1	7.8	11.7
12	Nitrate -N (mg/l)	BDL (DL: 0.3)		
13	Nitrite-N (mg/l)	BDL (DL: 0.02)	0.04	BDL (DL: 0.02)
14	Nitrate (mg/l)	BDL		
15	P. Alkalinity (mg/l)	34	BDL (DL: 5)	28
16	Total Alkalinity (mg/l)	186	174	321
17	Fluoride (mg/l)	0.46	0.27	0.83
18	Chloride (mg/l)	52.5	256.4	228.3
19	Ammonia -N (mg/l)	BDL (DL: 0.4)	0.42	BDL (DL: 0.4)
20	Total Hardness as CaCO ₃ (mg/l)	133.3	200.0	256.9
21	Calcium Hardness as CaCO ₃ (mg/l)	58.8	113.7	96.1
22	Magnesium Hardness as CaCO ₃ (mg/l)	74.5	86.3	160.8
23	Calcium as Ca ⁺⁺ (mg/l)	23.5	45.5	38.4

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24	Magnesium as Mg ⁺⁺ (mg/l)	18.1	20.97	39.1
25	TDS (mg/l)	299	725	773
26	TSS (mg/l)	12	58	19
27	FDS /TFS (mg/l)	137	467	567
28	Sodium (mg/l)	46.1	205.4	266
29	Potassium (mg/l)	5.3	15.3	5.7
30	Sulphate (mg/l)	6.64	52.15	80.28
31	Ortho phosphate (mg/l)	0.35	1.33	0.13
32	% Sodium	41.55	66.91	68.47
33	SAR	1.73	6.3	7.19
34	Total Coliform MPN/100 ml	350	540	920
35	Faecal Coliform MPN/100ml	110	170	350
36	Faecal Streptococci MPN/100ml	49	70	84

BDL - Below Detectable Limit; DL - Detection Limit

Sampling was not carried out in Bahour Lake due to insufficient water flow.