

Surface Water Quality Data in Puducherry - July 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	02.07.2026	02.07.2026	02.07.2026
4	Time	10.20 A.M.	10.50 A.M	11.45 A.M
5	Temperature °C	31.5	31.0	32.0
6	DO mg/l	6.7	9.8	9.4
7	pH	8.49	8.17	8.96
8	Conductivity µmho/cm	567	1269	1490
9	COD (mg/l)	32.0	44.0	52.0
10	BOD (mg/l)	2.8	8.0	8.5
11	Turbidity NTU	4.5	12.1	15.4
12	Nitrate -N (mg/l)	BDL (DL: 0.3)		
13	Nitrite-N (mg/l)	BDL (DL: 0.02)		
14	Nitrate (mg/l)	BDL		
15	P. Alkalinity (mg/l)	10	BDL	33
16	Total Alkalinity (mg/l)	198	133	267
17	Carbonate (mg/l)	6.0	BDL	19.80
18	Bi- Carbonate (mg/l)	229.36	162.26	285.48
19	Fluoride (mg/l)	0.65	0.46	0.59
20	Chloride (mg/l)	66.1	290.4	300.1
21	Ammonia -N (mg/l)	BDL (DL: 0.4)		
22	Total Hardness as CaCO ₃ (mg/l)	156.9	186.3	270.6
23	Calcium Hardness as CaCO ₃ (mg/l)	80.4	90.2	80.4

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24	Magnesium Hardness as CaCO ₃ (mg/l)	76.5	96.1	190.2
25	Calcium as Ca ⁺⁺ (mg/l)	32.2	36.1	32.2
26	Magnesium as Mg ⁺⁺ (mg/l)	18.6	23.4	46.2
27	TDS (mg/l)	337	766	928
28	TSS (mg/l)	BDL (DL: 10)	29	27
29	FDS /TFS (mg/l)	219	502	638
30	Sodium (mg/l)	56.45	194.6	308.4
31	Potassium (mg/l)	6.38	14.99	7.91
32	Sulphate (mg/l)	6.13	50.37	83.36
33	Ortho phosphate (mg/l)	0.06	BDL (DL: 0.05)	
34	% Sodium	42.48	67.15	70.31
35	SAR	1.95	6.17	8.12
36	Total Coliform MPN/100 ml	280	920	240
37	Faecal Coliform MPN/100ml	140	540	79
38	Faecal Streptococci MPN/100ml	79	350	120

BDL - Below Detectable Limit; DL - Detection Limit

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