

Surface Water Quality Data in Puducherry - August 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	04.08.2026	04.08.2026	04.08.2026
4	Time	10.35 A.M	03.20 P.M	11.25 A.M
5	Temperature °C	32.0	35.0	32.0
6	DO mg/l	6.7	8.6	5.0
7	pH	8.37	8.73	7.96
8	Conductivity µmho/cm	550	1350	1674
9	COD (mg/l)	44.4	56.4	32.3
10	BOD (mg/l)	4.3	18.0	2.8
11	Turbidity NTU	10.6	18.8	7.7
12	Nitrate -N (mg/l)	BDL (DL: 0.3)		
13	Nitrite-N (mg/l)	BDL (DL: 0.02)	0.04	BDL
14	Nitrate (mg/l)	BDL		
15	P. Alkalinity (mg/l)	15.0	50	BDL (DL:5)
16	Total Alkalinity (mg/l)	382	394	353
17	Carbonate (mg/l)	9.0	30.0	BDL
18	Bi- Carbonate (mg/l)	447.74	419.68	430.66
19	Fluoride (mg/l)	0.56	0.25	0.50
20	Chloride (mg/l)	73.4	316.0	328.7
21	Ammonia -N (mg/l)	BDL (DL: 0.4)		
22	Total Hardness as CaCO ₃ (mg/l)	141.7	190.3	287.4
23	Calcium Hardness as CaCO ₃ (mg/l)	75.7	106.8	122.3

Sl. No.	Parameters	Ousteri Lake	Kanagan Lake	Chunnambar River
	Station Code	1396	4634	1689
24	Magnesium Hardness as CaCO ₃ (mg/l)	66.0	83.5	165.1
25	Calcium as Ca ⁺⁺ (mg/l)	30.3	42.7	48.9
26	Magnesium as Mg ⁺⁺ (mg/l)	16.03	20.3	40.1
27	TDS (mg/l)	328	814	999
28	TSS (mg/l)	BDL (DL:10)	25	BDL (DL:10)
29	FDS /TFS (mg/l)	223	551	744
30	Sodium (mg/l)	61.1	226.2	302.4
31	Potassium (mg/l)	6.6	16.60	9.15
32	Sulphate (mg/l)	7.37	63.19	64.27
33	Ortho phosphate (mg/l)	0.07	3.08	0.09
34	% Sodium	46.80	69.81	68.58
35	SAR	2.23	7.11	7.73
36	Total Coliform MPN/100 ml	350	920	240
37	Faecal Coliform MPN/100ml	170	540	46
38	Faecal Streptococci MPN/100ml	94	140	70

BDL - Below Detectable Limit; DL - Detection Limit

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