

Surface Water Quality Data in Puducherry - March 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	02.03.2026	02.03.2026	02.03.2026	02.03.2026
4	Time	10.25 A.M	10.50 A.M	11.40 AM	12.25 PM
5	Temperature °C	30.0	31.0	30.0	31.0
6	DO mg/l	6.1	12.8	6.2	3.2
7	pH	8.10	8.85	8.07	7.26
8	Conductivity µmho/cm	417	1386	1052	544
9	COD (mg/l)	36.3	80.6	32.3	36.3
10	BOD (mg/l)	3.3	8.5	2.8	2.5
11	Turbidity NTU	4.1	11.2	6.6	1.9
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)	BDL (DL: 5)	8	BDL (DL: 5)	
16	Total Alkalinity (mg/l)	184	113	297	237
17	Fluoride (mg/l)	0.43	0.48	0.72	0.83
18	Chloride (mg/l)	53.0	342.3	178.4	57.9
19	Ammonia -N (mg/l)	BDL (DL: 0.4)			
20	Total Hardness as CaCO₃ (mg/l)	150.0	220.0	242.0	120.0
21	Calcium Hardness as CaCO₃ (mg/l)	78.0	116.0	102.0	58.0
22	Magnesium Hardness as CaCO₃ (mg/l)	72.0	104.0	140.0	62.0
23	Calcium as Ca⁺⁺ (mg/l)	31.2	46.4	40.8	23.2

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24	Magnesium as Mg ⁺⁺ (mg/l)	17.5	25.3	34	15.1
25	TDS (mg/l)	265	855	645	328
26	TSS (mg/l)	11	53	14	BDL (DL: 10)
27	FDS /TFS (mg/l)	108	560	390	138
28	Sodium (mg/l)	39.7	498.4	418.4	92.3
29	Potassium (mg/l)	4.2	12.9	4.2	1.0
30	Sulphate (mg/l)	BDL (DL: 5.0)	40.19	46.31	5.20
31	Ortho phosphate (mg/l)	0.17	0.26	0.29	BDL (DL: 0.05)
32	% Sodium	35.59	82.02	78.51	62.16
33	SAR	1.41	14.56	11.65	3.65
34	Total Coliform MPN/100 ml	430	540	280	350
35	Faecal Coliform MPN/100ml	79	140	84	70
36	Faecal Streptococci MPN/100ml	170	94	94	120

BDL - Below Detectable Limit; DL - Detection Limit