

Surface Water Quality Data in Puducherry - April 2026

Sl. No.	Parameters	Ousteri Lake	Kanagan Lake	Bahour Lake	Chunnambar River
	Station Code	1396	4634	1686	1689
1	Latitude	11.950528 N	11.935104 N	11.829944 N	11.883585 N
2	Longitude	79.746583 E	79.798522 E	79.743139 E	79.787326 E
3	Dt.of Sampling	01.04.2026	01.04.2026	01.04.2026	01.04.2026
4	Time	10:40 AM	11:15 AM	01.15 PM	02.00 PM
5	Temperature °C	31.0	32.0	34.0	32.0
6	DO mg/l	6.3	9.8	5.1	9.1
7	pH	8.31	9.17	7.51	8.55
8	Conductivity µmho/cm	456	1402	665	1293
9	COD (mg/l)	44.2	52.2	40.2	60.2
10	BOD (mg/l)	2.0	6.0	1.5	5.0
11	Turbidity NTU	3.0	9.6	BDL (DL: 1.0)	5.3
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)	20	34	BDL (DL: 5)	26
16	Total Alkalinity (mg/l)	184	137	275	198
17	Fluoride (mg/l)	0.37	0.39	0.67	0.86
18	Chloride (mg/l)	52.5	363.3	72.8	226.3
19	Ammonia -N (mg/l)	BDL (DL: 0.4)			
20	Total Hardness as CaCO₃ (mg/l)	136.8	195.7	110.2	241.3
21	Calcium Hardness as CaCO₃ (mg/l)	72.2	108.3	64.6	121.6
22	Magnesium Hardness as CaCO₃ (mg/l)	64.6	87.4	45.6	119.7
23	Calcium as Ca⁺⁺ (mg/l)	28.88	43.32	25.84	48.64

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24	Magnesium as Mg ⁺⁺ (mg/l)	15.70	21.24	11.08	29.09
25	TDS (mg/l)	268	830	383	735
26	TSS (mg/l)	BDL (DL: 10)	24	BDL (DL: 10)	
27	FDS /TFS (mg/l)	101	593	108	515
28	Sulphate (mg/l)	6.87	44.43	6.75	64.7
29	Ortho phosphate (mg/l)	0.054	BDL (DL: 0.05)	0.051	0.065
30	Total Coliform MPN/100 ml	280	350	430	350
31	Faecal Coliform MPN/100ml	63	70	94	84
32	Faecal Streptococci MPN/100ml	120	130	170	140

BDL - Below Detectable Limit; DL - Detection Limit