

Surface Water Quality Data in Puducherry - October 2025

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	06.10.2025	06.10.2025	06.10.2025	06.10.2025
4	Time	11.00 A.M	11.30 A.M	01.05 P.M	01.50 P.M
5	Temperature °C	30.0	30.0	32.0	32.5
6	DO mg/l	6.4	12.4	9.9	5
7	pH	8.12	8.41	8.97	7.87
8	Conductivity µmho/cm	331	858	1048	759
9	COD (mg/l)	52.2	36.1	48.2	56.2
10	BOD (mg/l)	3.5	3.3	2.8	2.5
11	Turbidity NTU	6.5	9.3	7.8	17.2
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)		27	BDL (DL: 5)
16	Total Alkalinity (mg/l)	126	155	237	260
17	Fluoride (mg/l)	0.47	0.42	0.83	0.82
18	Chloride (mg/l)	36.6	173.6	175.5	95.5
19	Ammonia -N (mg/l)	BDL (DL: 0.4)			
20	Total Hardness as CaCO ₃ (mg/l)	100	182.4	198.0	147.1
21	Calcium Hardness as CaCO ₃ (mg/l)	58.8	129.4	103.9	102.0
22	Magnesium Hardness as CaCO ₃ (mg/l)	41.2	53.0	94.1	45.1
23	Calcium as Ca ⁺⁺ (mg/l)	23.5	51.8	41.6	40.8

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24	Magnesium as Mg ⁺⁺ (mg/l)	10	12.9	22.9	11.0
25	TDS (mg/l)	215	524	639	503
26	TSS (mg/l)	BDL (DL: 10)		10.0	37.0
27	FDS /TFS (mg/l)	120	288	358	301
28	Sodium (mg/l)	38.1	115	443.1	419.2
29	Potassium (mg/l)	10.9	13.8	11.8	11.1
30	Sulphate (mg/l)	BDL (DL: 5.0)	29.44	58.08	37.61
31	Ortho phosphate (mg/l)	0.2106	0.3009	0.3047	0.094
32	% Sodium	42.07	55.49	81.81	84.94
33	SAR	1.65	3.69	13.64	15.01
34	Total Coliform MPN/100 ml	350	350	920	540
35	Faecal Coliform MPN/100ml	210	70	140	110
36	Faecal Streptococci MPN/100ml	94	220	79	63

BDL - Below Detectable Limit; DL - Detection Limit