

Surface Water Quality Data in Puducherry - November 2025

Sl. No.	Parameters	Kanagan Lake	Chunnambar River	Ousteri Lake
	Station Code	4634	1689	1396
1	Latitude	11.935104 N	11.883585 N	11.950528 N
2	Longitude	79.798522 E	79.787326 E	79.746583 E
3	Dt.of Sampling	03.11.2025	03.11.2025	03.11.2025
4	Time	11.45 A.M	12.35 P.M	2.20 P.M
5	Temperature °C	30.5	31.0	31.5
6	DO mg/l	13.3	7.7	7.8
7	pH	8.54	8.21	8.35
8	Conductivity µmho/cm	855	615	397
9	COD (mg/l)	40.0	12.0	16.0
10	BOD (mg/l)	5.8	BDL (DL:1.0)	
11	Turbidity NTU	31.5	2.9	3.1
12	Nitrate -N (mg/l)	BDL (DL: 0.3)		
13	Nitrite-N (mg/l)	BDL (DL: 0.2)		
14	Nitrate (mg/l)	BDL		
15	P. Alkalinity (mg/l)	14	BDL (DL:5)	
16	Total Alkalinity (mg/l)	129	182	131
17	Fluoride (mg/l)	0.30	0.65	0.64
18	Chloride (mg/l)	170.0	67	43.7
19	Ammonia -N (mg/l)	BDL (DL: 0.4)		
20	Total Hardness as CaCO ₃ (mg/l)	182.0	174.0	114.0
21	Calcium Hardness as CaCO ₃ (mg/l)	98.0	104.0	64.0
22	Magnesium Hardness as CaCO ₃ (mg/l)	84.0	70.0	50.0
23	Calcium as Ca ⁺⁺ (mg/l)	39.2	41.6	25.6

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24	Magnesium as Mg ⁺⁺ (mg/l)	20.41	17.01	12.15
25	TDS (mg/l)	584	424	248
26	TSS (mg/l)	37	BDL (DL: 10)	
27	FDS /TFS (mg/l)	288	220	134
28	Sodium (mg/l)	99.99	49.47	33.81
29	Potassium (mg/l)	8.89	4.47	4.16
30	Sulphate (mg/l)	31.53	24.62	9.65
31	Ortho phosphate (mg/l)	0.38	0.69	0.64
32	% Sodium	52.82	37.34	38.02
33	SAR	3.21	1.63	1.37
34	Hexavalent Chromium (mg/l)	BDL		
35	Total Coliform MPN/100 ml	350	430	350
36	Faecal Coliform MPN/100ml	140	220	120
37	Faecal Streptococci MPN/100ml	170	210	220

BDL - Below Detectable Limit; DL - Detection Limit

Due to Non - Availability of water, Water sample was not collected in Bahour Lake