

Surface Water Quality Data in Puducherry - March 2025

Sl. No.	Parameters	Kanagan Lake	Ousteri Lake	Chunnambar River	Bahour Lake
	Station Code	4634	1396	1689	1686
1	Latitude	11.935104 N	11.950528 N	11.883585 N	11.829944 N
2	Longitude	79.798522 E	79.746583 E	79.787326 E	79.743139 E
3	Dt.of Sampling	03.03.2025	03.03.2025	03.03.2025	03.03.2025
4	Time	10.30 A.M	11.20 A.M	12.20 P.M	01.15 P.M
5	Temperature °C	29.0	29.0	30.0	30.0
6	DO mg/l	4.0	6.9	10.2	5.2
7	pH	7.04	8.00	8.67	7.24
8	Conductivity µmho/cm	767	294	838	483
9	COD (mg/l)	24.2	24.2	28.2	24.2
10	BOD (mg/l)	2.0	2.8	2.8	2.3
11	Turbidity NTU	1.6	1.4	1.8	1.5
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:5.0)		22.0	BDL
16	Total Alkalinity (mg/l)	136	72	118	132
17	Fluoride (mg/l)	0.78	0.70	0.78	0.84
18	Chloride (mg/l)	127.1	31.0	141.6	48.5
19	Ammonia -N (mg/l)	BDL (DL:0.4)			
20	Total Hardness as CaCO ₃ (mg/l)	134.0	42.0	120.0	68.0
21	Calcium Hardness as CaCO ₃ (mg/l)	108.0	38	72	58
22	Magnesium Hardness as CaCO ₃ (mg/l)	26	4	48	10
23	Calcium as Ca ⁺⁺ (mg/l)	43.2	15.2	28.8	23.2

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	Station Code	4634	1396	1689	1686
24	Magnesium as Mg ⁺⁺ (mg/l)	6.318	0.972	11.664	2.430
25	TDS (mg/l)	441	125	442	219
26	TSS (mg/l)	16.0	BDL (DL:10.0)	13.0	21.0
27	FDS /TFS (mg/l)	317.0	BDL (DL:10.0)	140.0	BDL
28	Sodium (mg/l)	83.7	24.54	103.93	50.42
29	Potassium (mg/l)	4.41	3.27	5.12	1.86
30	Sulphate (mg/l)	24.81	BDL (DL:5.0)	41.80	BDL
31	Ortho phosphate (mg/l)	BDL (DL:0.05)			
32	% Sodium	56.52	53.57	63.99	60.85
33	SAR	3.1	1.6	4.1	2.7
34	Total Coliform MPN/100 ml	240	240	130	920
35	Faecal Coliform MPN/100ml	240	240	130	920
36	Faecal Streptococci MPN/100ml	110	140	220	180

BDL - Below Detectable Limit; DL - Detection Limit