

Surface Water Quality Data in Puducherry - April 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	01.04.2025	01.04.2025	01.04.2025	01.04.2025
4	Time	10.10 A.M	10.30 A.M	01.00 P.M	02.10 P.M
5	Temperature °C	30.0	31.0	32.0	31.0
6	DO mg/l	5.1	5.2	9.2	3.4
7	pH	7.67	7.30	8.61	7.03
8	Conductivity µmho/cm	291	968	1075	509
9	COD (mg/l)	24.0	28.0	24.0	20.0
10	BOD (mg/l)	2.5	2.8	3.3	1.8
11	Turbidity NTU	1.9	5.3	7.3	1.1
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)		18.0	BDL (DL:5.0)
16	Total Alkalinity (mg/l)	67	147	145	127
17	Fluoride (mg/l)	0.45	0.55	0.92	0.85
18	Chloride (mg/l)	36.9	161.0	184.3	60.1
19	Ammonia -N (mg/l)	BDL (DL: 0.4)			
20	Total Hardness as CaCO ₃ (mg/l)	83.50	225.25	205.83	122.33
21	Calcium Hardness as CaCO ₃ (mg/l)	44.66	147.58	99.03	69.90
22	Magnesium Hardness as CaCO ₃ (mg/l)	38.84	77.67	106.80	52.43
23	Calcium as Ca ⁺⁺ (mg/l)	17.86	59.03	39.61	27.96

Sl. No.	Parameters	Ousteri Lake	Kanagan Lake	Chunnambar River	Bahour Lake
	Station Code	1396	4634	1689	1686
24	Magnesium as Mg ⁺⁺ (mg/l)	9.44	18.87	25.95	12.74
25	TDS (mg/l)	147	504	596	273
26	TSS (mg/l)	BDL (DL:10.0)	13.0	12.0	BDL (DL:10.0)
27	FDS /TFS (mg/l)	BDL (DL:10.0)	169.0	205.0	BDL (DL:10.0)
28	Sodium (mg/l)	23.01	97.08	128.80	50.07
29	Potassium (mg/l)	3.17	3.97	4.92	1.25
30	Sulphate (mg/l)	BDL (DL:5.0)	27.25	45.41	BDL (DL:5.0)
31	Ortho phosphate (mg/l)	BDL (DL: 0.05)	0.08	BDL (DL: 0.05)	
32	% Sodium	36.26	47.73	56.76	46.63
33	SAR	1.09	2.81	3.89	1.96
34	Total Coliform MPN/100 ml	110	94	70	79
35	Faecal Coliform MPN/100ml	<1.8	<1.8	<1.8	<1.8
36	Faecal Streptococci MPN/100ml	<1.8	<1.8	<1.8	<1.8

BDL - Below Detectable Limit; DL - Detection Limit