

Surface Water Quality Data in Puducherry - August 2025					
Sl. No.	Parameters	Ousteri Lake	Bahour Lake	Chunnambar River	Kanagan Lake
	Station Code	1396	1686	1689	4634
1	Latitude	11.950528 N	11.829944 N	11.883585 N	11.935104 N
2	Longitude	79.746583 E	79.743139 E	79.787326 E	79.798522 E
3	Dt.of Sampling	11.08.2025	11.08.2025	11.08.2025	11.08.2025
4	Time	11.50 A.M	01.05 P.M	01.50 P.M	02.30 P.M
5	Temperature °C	30.0	30.0	30.0	29.5
6	DO mg/l	4.4	8.2	8.6	8.7
7	pH	7.7	8.0	8.8	7.5
8	Conductivity µmho/cm	371	697	1258	976
9	COD (mg/l)	32.0	28.0	24.0	28.0
10	BOD (mg/l)	3.0	4.5	2.5	3.8
11	Turbidity NTU	8.3	16.4	7.5	6.4
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)		30.0	BDL (DL:5.0)
16	Total Alkalinity (mg/l)	115.0	224.0	212.0	170.0
17	Fluoride (mg/l)	0.54	0.52	0.81	0.69
18	Chloride (mg/l)	39.8	94.2	236.0	198.2
19	Ammonia -N (mg/l)	BDL (DL: 0.4)			
20	Total Hardness as CaCO ₃ (mg/l)	104.0	156.0	208.0	222.0
21	Calcium Hardness as CaCO ₃ (mg/l)	46.0	72.0	62.0	130.0
22	Magnesium Hardness as CaCO ₃ (mg/l)	58.0	84.0	146.0	92.0
23	Calcium as Ca ⁺⁺ (mg/l)	18.4	28.8	24.8	52.0

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24	Magnesium as Mg ⁺⁺ (mg/l)	14.1	20.4	35.5	22.4
25	TDS (mg/l)	242.0	450.0	745.0	650.0
26	TSS (mg/l)	13.0	34.0	BDL (DL:10.0)	
27	FDS /TFS (mg/l)	147	285	545	463
28	Sodium (mg/l)	33.1	101.5	388.3	321.0
29	Potassium (mg/l)	4.1	5.2	6.3	7.9
30	Sulphate (mg/l)	5.3	15.2	71.9	40.2
31	Ortho phosphate (mg/l)	BDL (DL: 0.05)		0.06	BDL (DL: 0.05)
32	% Sodium	39.59	57.44	79.49	74.95
33	SAR	1.41	3.52	11.65	9.34
34	Total Coliform MPN/100 ml	350	350	350	920
35	Faecal Coliform MPN/100ml	110	280	170	350
36	Faecal Streptococci MPN/100ml	170	170	<1.8	48

BDL - Below Detectable Limit; DL - Detection Limit