

Surface Water Quality Data in Puducherry - July 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	03.07.2025	03.07.2025	03.07.2025	03.07.2025
4	Time	11.30 A.M	12.15 P.M	01.00 P.M	01.40 P.M
5	Temperature °C	31.0	31.0	31.0	31.0
6	DO mg/l	5.4	7.3	8.2	3.9
7	pH	7.94	7.96	8.91	7.63
8	Conductivity µmho/cm	331	990	1150	602
9	COD (mg/l)	28.1	32.1	32.1	28.1
10	BOD (mg/l)	2.8	4.4	4.0	4.0
11	Turbidity NTU	7.5	15.7	10.9	16.8
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)		19.0	BDL (DL:5.0)
16	Total Alkalinity (mg/l)	107	157	194	194
17	Fluoride (mg/l)	0.36	0.46	0.76	0.66
18	Chloride (mg/l)	34.7	163.9	198.6	70.4
19	Ammonia -N (mg/l)	BDL (DL: 0.4)			
20	Total Hardness as CaCO ₃ (mg/l)	90.0	228.0	204.0	146.0
21	Calcium Hardness as CaCO ₃ (mg/l)	46.0	110.0	78.0	78.0
22	Magnesium Hardness as CaCO ₃ (mg/l)	44.0	118.0	126.0	68.0
23	Calcium as Ca ⁺⁺ (mg/l)	18.4	44.0	31.2	31.2

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24	Magnesium as Mg ⁺⁺ (mg/l)	10.7	28.7	30.6	16.5
25	TDS (mg/l)	202	549	670	374
26	TSS (mg/l)	BDL (DL:10.0)	22.0	12.0	32.0
27	FDS /TFS (mg/l)	140	436	552	297
28	Sodium (mg/l)	32.21	109.33	201.70	83.09
29	Potassium (mg/l)	3.92	7.72	5.71	3.63
30	Sulphate (mg/l)	BDL (DL:5.0)	36.16	61.56	5.63
31	Ortho phosphate (mg/l)	0.09	0.10	0.12	0.15
32	% Sodium	42.3	49.8	67.3	54.4
33	SAR	1.47	3.14	6.11	2.98
34	Total Coliform MPN/100 ml	170	430	540	350
35	Faecal Coliform MPN/100ml	46	140	84	110
36	Faecal Streptococci MPN/100ml	32	130	170	140

BDL - Below Detectable Limit; DL - Detection Limit