

Surface Water Quality Data in Puducherry - June 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	02.06.2025	02.06.2025	02.06.2025	02.06.2025
4	Time	10.30 A,M	11.15 A.M	12.15 P.M	01.00 P.M
5	Temperature °C	31.0	31.0	31.0	31.0
6	DO mg/l	6.8	7.8	10.9	5.1
7	pH	8.09	7.95	8.86	7.56
8	Conductivity µmho/cm	373	1151	1165	570
9	COD (mg/l)	20.0	28.0	28.0	48.0
10	BOD (mg/l)	2.8	2.8	5.0	3.3
11	Turbidity NTU	4.3	6.8	25.6	3.7
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)	111	202	188	194
17	Fluoride (mg/l)	0.36	0.44	0.78	0.33
18	Chloride (mg/l)	33.0	198.2	194.3	64.1
19	Ammonia -N (mg/l)	BDL (DL: 0.4)			
20	Total Hardness as CaCO ₃ (mg/l)	97.0	243.5	194.0	134.6
21	Calcium Hardness as CaCO ₃ (mg/l)	37.6	158.4	73.3	75.2
22	Magnesium Hardness as CaCO ₃ (mg/l)	59.4	85.1	120.8	59.4
23	Calcium as Ca ⁺⁺ (mg/l)	15.0	63.4	29.3	30.1

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24	Magnesium as Mg ⁺⁺ (mg/l)	14.4	20.7	29.4	14.4
25	TDS (mg/l)	215	658	669	320
26	TSS (mg/l)	BDL (DL:10.0)		18.0	BDL (DL:10.0)
27	FDS /TFS (mg/l)	110	355	493	194
28	Sodium (mg/l)	30.8	154.1	207.9	78.70
29	Potassium (mg/l)	3.83	9.34	5.56	3.03
30	Sulphate (mg/l)	BDL (DL:5.0)	40.53	52.73	5.72
31	Ortho phosphate (mg/l)	BDL (DL:0.05)	0.14	0.21	0.35
32	% Sodium	39.5	56.6	69.0	55.2
33	SAR	1.35	4.28	6.46	2.94
34	Total Coliform MPN/100 ml	220	170	280	240
35	Faecal Coliform MPN/100ml	49	31	70	33
36	Faecal Streptococci MPN/100ml	58	40	43	39

BDL - Below Detectable Limit; DL - Detection Limit