

Surface Water Quality Data in Puducherry - May 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	05.05.2025	05.05.2025	05.05.2025	05.05.2025
4	Time	10.45 A.M	11.15 A.M	12.30 P.M	01.20 P.M
5	Temperature °C	30.0	30.0	30.0	30.0
6	DO mg/l	5.2	6.2	8.3	4.6
7	pH	7.50	7.71	8.73	7.27
8	Conductivity µmho/cm	323	557	1199	277
9	COD (mg/l)	20.0	32.0	40.0	24.0
10	BOD (mg/l)	BDL(DL:1.0)	1.3	3.3	BDL(DL:1.0)
11	Turbidity NTU	4.3	6.0	7.7	2.2
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)		21.0	BDL (DL: 5.0)
16	Total Alkalinity (mg/l)	103	204	173	173
17	Fluoride (mg/l)	0.21	0.59	1.19	0.74
18	Chloride (mg/l)	32.1	187.5	227.3	59.3
19	Ammonia -N (mg/l)	BDL (DL: 0.4)			
20	Total Hardness as CaCO ₃ (mg/l)	86.3	245.1	194.1	133.3
21	Calcium Hardness as CaCO ₃ (mg/l)	47.1	156.9	76.5	90.2
22	Magnesium Hardness as CaCO ₃ (mg/l)	39.2	88.2	117.6	43.1
23	Calcium as Ca ⁺⁺ (mg/l)	18.8	62.8	30.6	36.1

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24	Magnesium as Mg ⁺⁺ (mg/l)	9.5	21.4	28.6	10.5
25	TDS (mg/l)	147	362	632	182
26	TSS (mg/l)	BDL (DL : 10.0)			
27	FDS /TFS (mg/l)	BDL	105	261	76
28	Sodium (mg/l)	23.89	112.11	141.20	54.75
29	Potassium (mg/l)	3.56	5.70	5.42	1.60
30	Sulphate (mg/l)	BDL (DL : 5.0)	35.74	54.66	BDL (DL : 5.0)
31	Ortho phosphate (mg/l)	0.09	0.14	0.15	0.10
32	% Sodium	36.3	49.0	60.3	46.7
33	SAR	1.1	3.1	4.4	2.1
34	Total Coliform MPN/100 ml	350	220	350	94
35	Faecal Coliform MPN/100ml	79	94	220	<1.8
36	Faecal Streptococci MPN/100ml	<1.8	79	220	<1.8

BDL - Below Detectable Limit; DL - Detection Limit