

Surface Water Quality Data in Puducherry - December 2024					
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	09.12.2024	09.12.2024	09.12.2024	09.12.2024
4	Time	10.10 A.M	10.48 A.M	11.45 A.M	01.20 P.M
5	Temperature °C	30.0	30.0	30.0	30.0
6	DO mg/l	6.2	11.0	7.4	9.4
7	pH	7.27	8.37	7.66	8.44
8	Conductivity µmho/cm	204	474	405	387
9	COD (mg/l)	24.1	20.1	52.2	16.1
10	BOD (mg/l)	2.0	1.5	3.0	BDL (DL:1.0)
11	Turbidity NTU	2.9	1.4	3.2	3.0
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)	8	BDL (DL:5.0)	10
16	Total Alkalinity (mg/l)	52	70	100	108
17	Chloride (mg/l)	25.0	79.7	46.1	40.3
18	Ammonia -N (mg/l)	BDL (DL:0.4)			
19	Fluoride (mg/l)	BDL (DL:0.2)			
20	Total Hardness as CaCO ₃ (mg/l)	112.0	76.0	104.0	84.0
21	Calcium Hardness as CaCO ₃ (mg/l)	20.0	68.0	72.0	44.0
22	Magnesium Hardness as CaCO ₃ (mg/l)	92.0	8.0	32.0	40.0
23	Calcium as Ca ⁺⁺ (mg/l)	8.0	27.2	28.8	17.6

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24	Magnesium as Mg++ (mg/l)	22.4	1.9	7.8	9.7
25	TDS (mg/l)	116	276	241	237
26	TSS (mg/l)	26.0	18.0	11.0	BDL (DL:10.0)
27	FDS /TFS (mg/l)	61	152	138	130
28	Sodium (mg/l)	16.82	46.02	34.14	49.23
29	Potassium (mg/l)	2.71	5.37	4.55	2.36
30	Sulphate (mg/l)	BDL (DL:5.0)			
31	Ortho phosphate (mg/l)	BDL (DL:0.05)	0.08	0.24	BDL (DL:0.05)
32	% Sodium	23.84	54.71	40.22	55.03
33	SAR	0.7	2.3	1.5	2.3
34	Total Coliform MPN/100 ml	79	240	240	540
35	Faecal Coliform MPN/100ml	79	240	240	540
36	Faecal Streptococci MPN/100ml	<1.8	25	<1.8	<1.8

BDL - Below Detectable Limit; DL - Detection Limit