

Surface Water Quality Data in Puducherry - March 2024

Sl. No.	Parameters	Ousteri Lake	Chunnambar River	Bahour Lake
	Station Code	1396	1689	1686
1	Latitude	11.950528 N	11.883585 N	11.829944 N
2	Longitude	79.746583 E	79.787326 E	79.743139 E
3	Dt.of Sampling	04.03.2024	04.03.2024	04.03.2024
4	Time	11.10 A.M	12.15 P.M	1.10 P.M
5	Temperature °C	30.0	30.0	30.0
6	DO mg/l	6.8	10.8	5.6
7	pH	8.24	8.68	7.29
8	Conductivity µmho/cm	525	955	936
9	COD (mg/l)	20.2	40.5	28.3
10	BOD (mg/l)	BDL (DL:1.0)	5.3	BDL (DL:1.0)
11	Turbidity NTU	1.9	9.1	1.3
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)	16	24	BDL (DL:5.0)
16	Total Alkalinity (mg/l)	118	190	202
17	Chloride (mg/l)	149.58	136.96	106.85
18	Ammonia -N (mg/l)	BDL (DL:0.4)		
19	Total Hardness as CaCO ₃ (mg/l)	132.0	192.0	222.0
20	Calcium Hardness as CaCO ₃ (mg/l)	74.0	112.0	116.0
21	Magnesium Hardness as CaCO ₃ (mg/l)	58.0	80.0	106.0
22	Calcium as Ca ⁺⁺ (mg/l)	29.6	44.8	46.4
23	Magnesium as Mg ⁺⁺ (mg/l)	14.094	19.44	25.758

Sl. No.	Parameters	Ousteri Lake	Chunnambar River	Bahour Lake
	Station Code	1396	1689	1686
24	TDS (mg/l)	230.0	516.0	404.0
25	TSS (mg/l)	BDL (DL:10.0)	22.0	BDL
26	FDS /TFS (mg/l)	162.0	404.0	248.0
27	Sodium (mg/l)	46.78	111.25	98.15
28	Potassium (mg/l)	4.87	3.72	3.80
29	Sulphate (mg/l)	BDL (DL:5.0)	30.59	14.01
30	Ortho phosphate (mg/l)	BDL (DL:0.05)		
31	% Sodium	42.26	55.01	48.32
32	SAR	1.8	3.5	2.9
33	Total Coliform MPN/100 ml	80	500	1600
34	Faecal Coliform MPN/100ml	13	34	33
35	Faecal Streptococci MPN/100ml	170	210	110

BDL - Below Detectable Limit; DL - Detection Limit