

Surface Water Quality Data in Puducherry - April 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	01.04.2024	01.04.2024	01.04.2024
4	Time	10.30 AM	12.55 PM	1.30 PM
5	Temperature °C	32.0	31.0	31.0
6	DO mg/l	5.8	10.6	3.8
7	pH	8.59	9.21	7.63
8	Conductivity µmho/cm	531	1206	1027
9	COD (mg/l)	24.2	64.5	44.4
10	BOD (mg/l)	BDL (DL:1.0)	7.5	1.3
11	Turbidity NTU	1.6	11.3	1.5
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)	14	BDL
16	Total Alkalinity (mg/l)	136	176	221
17	Chloride (mg/l)	60.22	192.32	148.61
18	Ammonia -N (mg/l)	BDL (DL:0.4)		
19	Total Hardness as CaCO ₃ (mg/l)	130.0	220.0	244.0
20	Calcium Hardness as CaCO ₃ (mg/l)	80.0	114.0	124.0
21	Magnesium Hardness as CaCO ₃ (mg/l)	50.0	106.0	120.0
22	Calcium as Ca ⁺⁺ (mg/l)	32	45.6	49.6
23	Magnesium as Mg ⁺⁺ (mg/l)	12.15	25.758	29.16

Sl. No.	Parameters	Ousteri Lake	Chunnambar River	Bahour Lake
	Station Code	1396	1689	1686
24	TDS (mg/l)	184.0	698.0	542.0
25	TSS (mg/l)	11.0	31.0	BDL(DL:10.0)
26	FDS /TFS (mg/l)	108.0	453.0	287.0
27	Sodium (mg/l)	48.44	122.4	98.39
28	Potassium (mg/l)	5.65	4.45	4.09
29	Sulphate (mg/l)	BDL (DL:5.0)	60.20	15.45
30	Ortho phosphate (mg/l)	BDL (DL:0.05)	0.07	0.10
31	% Sodium	43.3	53.96	46.03
32	SAR	1.8	3.6	2.7
33	Total Coliform MPN/100 ml	170	70	170
34	Faecal Coliform MPN/100ml	170	70	170
35	Faecal Streptococci MPN/100ml	150	130	110

BDL - Below Detectable Limit; DL - Detection Limit