

Surface Water Quality Data in Puducherry - May 2024

Sl. No.	Parameters	Ousteri Lake	Bahour Lake	Chunnambar River	Kanagan Lake
	Station Code	1396	1686	1689	4634
1	Latitude	11.950528 N	11.829944 N	11.883585 N	11.935104 N
2	Longitude	79.746583 E	79.743139 E	79.787326 E	79.798522 E
3	Dt.of Sampling	02.05.2024	02.05.2024	02.05.2024	02.05.2024
4	Time	10:15 AM	11:15 AM	12:25 PM	1:10 PM
5	Temperature °C	31.0	31.0	32.0	32.0
6	DO mg/l	5.0	5.1	11.3	7.2
7	pH	8.03	7.50	8.97	7.42
8	Conductivity µmho/cm	590	1133	1455	1251
9	COD (mg/l)	32.1	48.2	76.3	48.2
10	BOD (mg/l)	BDL (DL:1.0)	2.0	9.0	2.5
11	Turbidity NTU	1.3	3.1	10.6	4.4
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)	8	BDL (DL:5.0)	24	BDL
16	Total Alkalinity (mg/l)	133	249	216	196
17	Chloride (mg/l)	75.21	175.49	269.99	246.85
18	Ammonia -N (mg/l)	BDL (DL:0.4)			
19	Total Hardness as CaCO ₃ (mg/l)	126	270	234	254
20	Calcium Hardness as CaCO ₃ (mg/l)	98	142	134	150
21	Magnesium Hardness as CaCO ₃ (mg/l)	28.0	128.0	100.0	104.0
22	Calcium as Ca ⁺⁺ (mg/l)	39.2	56.8	53.6	60.0
23	Magnesium as Mg ⁺⁺ (mg/l)	6.804	31.104	24.3	25.272

Sl. No.	Parameters	Ousteri Lake	Bahour Lake	Chunnambar River	Kanagan Lake
	Station Code	1396	1686	1689	4634
24	TDS (mg/l)	337	668	844	726
25	TSS (mg/l)	BDL(DL:10.0)		34.0	BDL
26	FDS /TFS (mg/l)	208	396	482	414
27	Sodium (mg/l)	57.78	105.69	304.7	111.87
28	Potassium (mg/l)	5.76	4.8	4.27	11.19
29	Sulphate (mg/l)	BDL (DL:5.0)	13.75	83.54	11.04
30	Ortho phosphate (mg/l)	BDL (DL:0.05)	0.15	0.13	0.16
31	% Sodium	48.43	45.27	73.35	47.42
32	SAR	2.2	2.8	8.6	3.0
33	Total Coliform MPN/100 ml	220	14	14	900
34	Faecal Coliform MPN/100ml	50	8	8	30
35	Faecal Streptococci MPN/100ml	130	140	120	150

BDL - Below Detectable Limit; DL - Detection Limit