

Surface Water Quality Data in Puducherry - June 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	03.06.2024	03.06.2024	03.06.2024
4	Time	10.52 AM	12.50 PM	1.35 PM
5	Temperature °C	31.0	32.0	31.0
6	DO mg/l	6.2	10.1	5.3
7	pH	8.23	9.21	7.82
8	Conductivity µmho/cm	674	1607	1323
9	COD (mg/l)	28.2	48.4	36.3
10	BOD (mg/l)	1.3	9.5	3.0
11	Turbidity NTU	1.3	15.1	2.7
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)	8.0	27.0	BDL (DL:5.0)
16	Total Alkalinity (mg/l)	125	208	259
17	Chloride (mg/l)	87.74	281.5	203.4
18	Ammonia -N (mg/l)	BDL (DL:0.4)	0.51	BDL
19	Total Hardness as CaCO ₃ (mg/l)	124	238	292
20	Calcium Hardness as CaCO ₃ (mg/l)	80	82	150
21	Magnesium Hardness as CaCO ₃ (mg/l)	44.0	156.0	142.0
22	Calcium as Ca ⁺⁺ (mg/l)	32	32.8	60
23	Magnesium as Mg ⁺⁺ (mg/l)	10.7	37.9	34.5

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24	TDS (mg/l)	374	891	744
25	TSS (mg/l)	BDL (DL:10.0)	28.0	BDL
26	FDS /TFS (mg/l)	229	542	452
27	Sodium (mg/l)	64.46	246.2	115.72
28	Potassium (mg/l)	11.31	11.26	11.08
29	Sulphate (mg/l)	6.45	76.92	11.72
30	Ortho phosphate (mg/l)	0.66	0.37	0.35
31	% Sodium	50.25	67.82	44.99
32	SAR	2.5	6.9	2.9
33	Total Coliform MPN/100ml	1600	1600	1600
34	Faecal Coliform MPN/100ml	1600	1600	1600
35	Faecal Streptococci MPN/100ml	140	170	150

BDL - Below Detectable Limit; DL - Detection Limit

