

Surface Water Quality Data in Puducherry - February 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	01.02.2024	01.02.2024	01.02.2024
4	Time	11.25 AM	12.20 PM	1.30 PM
5	Temperature °C	30.0	30.0	29.0
6	DO mg/l	6.1	11.3	4.3
7	pH	8.14	8.67	7.46
8	Conductivity µmho/cm	532	830	847
9	COD (mg/l)	12	36.1	20.1
10	BOD (mg/l)	BDL	5.5	1.6
11	Turbidity NTU	1.5	8.1	1.8
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	18	BDL (DL:5.0)
16	Total Alkalinity (mg/l)	121	190	186
17	Chloride (mg/l)	51.1	105.1	129.2
18	Ammonia -N (mg/l)	BDL (DL:0.4)		
19	Total Hardness as CaCO ₃ (mg/l)	104.0	192.0	188.0
20	Calcium Hardness as CaCO ₃ (mg/l)	68	108	108
21	Magnesium Hardness as CaCO ₃ (mg/l)	36	84	80
22	Calcium as Ca ⁺⁺ (mg/l)	27.2	43.2	43.2
23	Magnesium as Mg ⁺⁺ (mg/l)	8.748	20.412	19.44

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	Station Code	1396	1689	1686
24	TDS (mg/l)	198.0	415.0	416.0
25	TSS (mg/l)	BDL (DL:10.0)		
26	FDS /TFS (mg/l)	88.0	192.0	190.0
27	Sodium (mg/l)	44.77	101.04	100.12
28	Potassium (mg/l)	3.83	3.43	3.73
29	Sulphate (mg/l)	BDL (DL:5.0)	35.55	19.65
30	Ortho phosphate (mg/l)	0.22	0.38	0.16
31	% Sodium	47.09	52.66	52.9
32	SAR	1.90	3.2	3.2
33	Total Coliform MPN/100 ml	<2	<2	<2
34	Faecal Coliform MPN/100ml	<2	<2	<2
35	Faecal Streptococci MPN/100ml	150	140	170

BDL - Below Detectable Limit; DL - Detection Limit