

Surface Water Quality Data in Puducherry - July 2024

Sl. No.	Parameters	Ousteri Lake	Kanagan Lake	Chunnambar River	Bahour Lake
	Station Code	1396	4634	1689	1686
1	Latitude	11.950528 N	11.935104 N	11.883585 N	11.829944 N
2	Longitude	79.746583 E	79.798522 E	79.787326 E	79.743139 E
3	Dt.of Sampling	01.07.2024	01.07.2024	01.07.2024	01.07.2024
4	Time	10.00 A.M	10.40 A.M	01.30 P.M	03.00 P.M
5	Temperature °C	30.0	30.0	30.0	32.0
6	DO mg/l	4.3	7.4	10.9	3.0
7	pH	8.07	7.45	9.26	8.16
8	Conductivity µmho/cm	641	1551	1608	1338
9	COD (mg/l)	28.2	32.3	52.4	40.3
10	BOD (mg/l)	1.0	1.3	9.0	1.3
11	Turbidity NTU	3.2	5.4	22.3	5.6
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)		46	BDL
16	Total Alkalinity (mg/l)	129	202	205	263
17	Chloride (mg/l)	98.87	319.6	298.6	279.6
18	Ammonia -N (mg/l)	BDL (DL:0.4)			
19	Total Hardness as CaCO ₃ (mg/l)	132	300	240	298
20	Calcium Hardness as CaCO ₃ (mg/l)	60	218	78	154
21	Magnesium Hardness as CaCO ₃ (mg/l)	72.0	82.0	162.0	144.0

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22	Calcium as Ca ⁺⁺ (mg/l)	24	87.2	31.2	61.6
23	Magnesium as Mg ⁺⁺ (mg/l)	17.5	19.9	39.4	34.99
24	TDS (mg/l)	345	851	911	748
25	TSS (mg/l)	BDL (DL:10.0)	14.0	38.0	BDL
26	FDS /TFS (mg/l)	207	612	519	515
27	Sodium (mg/l)	87.93	134.4	187.6	112.2
28	Potassium (mg/l)	6.09	13.01	6.59	8.15
29	Sulphate (mg/l)	7.57	13.82	78.46	13.06
30	Ortho phosphate (mg/l)	0.09	0.59	0.15	0.16
31	% Sodium	57.63	47.95	61.96	44.04
32	Fluoride	0.49	0.27	0.86	BDL (DL:0.2)
33	SAR	3.3	3.4	5.2	2.8
34	Total Coliform MPN/100 ml	430	350	350	280
35	Faecal Coliform MPN/100ml	350	140	94	120
36	Faecal Streptococci MPN/100ml	350	94	38	84

BDL - Below Detectable Limit; DL - Detection Limit

