

Surface Water Quality Data in Puducherry for April-June 2020 Quarter

Sl. No.	Parameters	Ousteri Lake	Chunnambar River	Kanagan Lake
1	Dt.of Sampling	15.04.2020	15.04.2020	15.04.2020
2	Time	10:05 AM	11:30 AM	12:10 PM
3	Temperature °C	31.0	32.0	30.0
4	pH	7.23	7.70	7.35
5	Conductivity µmho/cm	411	1306	1650
6	DO (mg/l)	5.2	6.3	7.2
7	COD (mg/l)	32.0	40.0	84.0
8	BOD (mg/l)	1.5	1.25	27.0
9	Turbidity NTU	0.6	3.1	15.4
10	Ammoniacal Nitrogen (mg/l)	BDL	BDL	BDL
11	Nitrate -N (mg/l)	0.0543	0.0592	1.287
12	Nitrite-N (mg/l)	0.0016	0.0019	0.737
13	Nitrate (mg/l)	0.2403	0.262	5.6988
14	Bi- Carbonate as CaCO ₃ (mg/l)	158.4	249.5	223.7
15	Carbonate as CaCO ₃ (mg/l)	NIL	NIL	NIL
16	Chloride (mg/l)	62.7	271.9	397.3
17	Total Hardness (mg/l)	117.6	219.5	262.6
18	Calcium hardness (mg/l)	66.6	125.4	186.2
19	Magnesium hardness (mg/l)	51	94.1	76.4
20	Calcium as Ca ⁺⁺ (mg/l)	26.6	50.2	74.5
21	Magnesium as Mg ⁺⁺ (mg/l)	12.4	22.9	18.6
22	TDS (mg/l)	343.0	795.0	934.0
23	TSS (mg/l)	BDL	11.0	29.0

Sl. No.	Parameters	Ousteri Lake	Chunnambar River	Kanagan Lake
24	FDS /TFS (mg/l)	282.0	620.0	758.0
25	Sodium (mg/l)	39.4	200.4	259.8
26	Potassium (mg/l)	4.7	6.2	18.5
27	Sulphate (mg/l)	1.5	150.9	155.5
28	% Sodium (mg/l)	40.8	65.6	66.3
29	SAR	1.6	5.9	7.0
30	Hexavalent Chromium (mg/l)	BDL	BDL	BDL
31	Ortho Phosphate (mg/l)	0.01	0.06	0.56

BDL - Below Detectable Limit

Note: There is no water in the Bahour lake, the sample was not collected.