

Statistics on Water Quality for the East Bank Section of Dongjiang's Main Stream in 2024

Item	Temperature (° C)	pH	Dissolved Oxygen	Permanganate Index	Chemical Oxygen Demand (COD)	5-Day Biochemical Oxygen Demand (BOD ₅)	Ammoniacal Nitrogen	Total Phosphorus
January	16.4	8.0	10.04	1.4	17 ^{Note2}	1.4	<0.025	0.03
February	16.1	7.8	8.55	1.3	13	0.7	0.075	0.03
March	17.6	7.6	9.85	1.6	13	1.4	<0.025	0.03
April	24.2	7.5	7.45	2.0	10	2.4	0.169	0.09
May	24.2	7.0	7.64	2.2	11	0.9	0.145	0.10
June	25.1	7.0	7.48	2.7	13	<0.5	0.095	0.14 ^{Note3}
July	28.5	7.1	7.26	1.6	11	1.5	0.077	0.05
August	27.1	7.0	6.08	3.0	14	2.4	0.403	0.12 ^{Note3}
September	29.6	7.0	6.01	1.9	10	0.9	0.123	0.07
October	27.6	7.5	6.64	1.8	11	0.6	0.143	0.05
November	24.1	6.7	6.46	1.5	9	0.7	0.037	0.05
December	20.1	7.3	8.14	1.6	8	0.7	0.258	0.05
Yearly Mean^{Note1}	23.4	7.1	7.63	1.9	12	1.2	0.129	0.07
GB3838-2002 Type II Standard for Surface Water	--	6 - 9	≥ 6	≤ 4	≤ 15	≤ 3	≤ 0.5	≤ 0.1

Except pH and where specified, all units are in mg/L.

Statistics on Water Quality for the East Bank Section of Dongjiang's Main Stream in 2024

Item	Copper	Zinc	Fluoride	Selenium	Arsenic	Mercury	Cadmium
January	0.00100	0.00179	0.304	<0.00041	0.00105	<0.00002	<0.00005
February	0.00112	0.00274	0.190	<0.00041	0.00096	<0.00002	<0.00005
March	0.00114	0.00051	0.139	<0.00041	0.00083	<0.00002	<0.00005
April	0.00086	<0.00067	0.224	<0.00041	0.00108	<0.00002	<0.00005
May	0.00114	0.00180	0.204	0.00032	0.00123	<0.00002	<0.00005
June	0.00168	0.00161	0.166	<0.00041	0.00154	<0.00002	<0.00005
July	0.00077	0.00172	0.190	<0.00041	0.00094	<0.00002	<0.00005
August	0.00148	0.00074	0.192	<0.00041	0.00138	<0.00002	<0.00005
September	0.00097	0.00107	0.196	<0.00041	0.00128	<0.00002	<0.00005
October	0.00101	0.00087	0.209	<0.00041	0.00133	<0.00002	<0.00005
November	0.00111	0.00094	0.243	<0.00041	0.00120	<0.00002	<0.00005
December	0.00129	0.00386	0.213	<0.00041	0.00117	<0.00002	<0.00005
Yearly Mean^{Note1}	0.00113	0.00150	0.206	<0.00041	0.00117	<0.00002	<0.00005
GB3838-2002 Type II Standard for Surface Water	≤ 1	≤ 1	≤ 1	≤ 0.01	≤ 0.05	≤ 0.00005	≤ 0.005

All units are in mg/L.

Statistics on Water Quality for the East Bank Section of Dongjiang's Main Stream in 2024

Item	Chromium (VI)	Lead	Cyanide	Volatile Phenols	Petroleum Hydrocarbons	Anionic Surfactants	Sulphides
January	<0.004	<0.00009	<0.001	<0.002	<0.01	<0.04	<0.01
February	<0.004	<0.00009	<0.001	<0.002	<0.01	<0.04	<0.01
March	<0.004	<0.00009	<0.001	<0.002	<0.01	<0.04	<0.01
April	<0.004	<0.00009	<0.001	<0.002	<0.01	<0.04	<0.01
May	<0.004	0.00013	<0.001	<0.002	<0.01	<0.04	<0.01
June	<0.004	0.00028	<0.001	<0.002	0.01	<0.04	<0.01
July	<0.004	<0.00009	<0.001	<0.002	0.01	<0.04	<0.01
August	<0.004	0.00011	<0.001	<0.002	<0.01	<0.04	<0.01
September	<0.004	0.00014	<0.001	<0.002	<0.01	<0.04	<0.01
October	<0.004	<0.00009	<0.001	<0.002	0.04	<0.04	<0.01
November	<0.004	<0.00009	<0.001	<0.002	0.02	<0.04	<0.01
December	<0.004	<0.00009	<0.001	<0.002	0.02	<0.04	<0.01
Yearly Mean^{Note1}	<0.004	0.00009	<0.001	<0.002	0.01	<0.04	<0.01
GB3838-2002 Type II Standard for Surface Water	≤ 0.05	≤ 0.01	≤ 0.05	≤ 0.002	≤ 0.05	≤ 0.2	≤ 0.1

All units are in mg/L.

Note :

1. Compliance is based on the annual average of monitoring data in accordance with international practice for surface water. If the monitoring data is lower than the detection limit, value equivalent to half of the detection limit will be used in calculating the average.
2. The exceedance in this month is due to rainfall in the local area. The annual average is in compliance with the standard.
3. The exceedances in these months are due to rainfall in the local area. The annual average is in compliance with the standard.