Colorado River Basin Regional Water Quality Control Board

NEW RIVER AT THE INTERNATIONAL BOUNDARY - CALEXICO, CALIFORNIA SEPTEMBER 2024 WATER QUALITY DATA

FIELD MEASUREMENTS

DATE	TIME	TEMP	PH	D.O.	SPECIFIC CONDUCTIVITY
(MM/DD/YY)	(HH:MM)	(°C)[1]	S.U.[2]	(mg/L)[3]	(*u*S/cm)[4]
09/10/24	10:48	31.7	7.7	3.96	5,767

FIELD OBSERVATIONS

09/10/24 10:48 – Ambient air temperature is 93 °F. Water color is green. Clear sky. Wind speed is 5 miles per hour. No foam. No odor.

NOTES

Staff observed several car tires and trash in the river.

BACTERIAL ANALYSIS RESULTS

BABCOCK LABORATORIES, INC. IN EL CENTRO, CA

DATE	TIME	FECAL COLIFORM
(MM/DD/YY)	(HH:MM)	(MPN/100 ML)[5]
09/10/24	11:02	>16,000 (1:10 dilution)[6]
09/10/24	11:02	>16,000 (1:10 dilution)
09/10/24	11:02	92,000 (1:100 dilution)
09/10/24	11:02	54,000 (1:100 dilution)

[1] Water temperature is reported in units of degrees Celsius (°C).
[2] pH is reported in standard units.
[3] Dissolved oxygen (D.O.) is reported in units of milligrams per liter.
[4] Specific conductivity is reported in units of microSiemens per centimeter.
[5] Fecal coliform is reported in units of Most Probable Number (MPN) per 100 milliliters.
[6] Fecal coliform is greater than upper reporting limit.

CHEMICAL ANALYSIS RESULTS

BABCOCK LABORATORIES, INC. IN RIVERSIDE, CA

DATE	CONSTITUENT	METHOD	REPORTING LIMIT	CONCENTRATION
(MM/DD/YY)			(mg/L)[7]	(mg/L)
09/10/24	Ammonia as Nitrogen	SM 4500 NH3 HG	0.2	11
09/10/24	Ammonia as Nitrogen	SM 4500 NH3 HG	0.2	11
09/10/24	Total Kjeldahl Nitrogen	EPA 351.2	1.2	14
09/10/24	Total Kjeldahl Nitrogen	EPA 351.2	1.2	15
09/10/24	Total Phosphorus	SM 4500-P BE	0.5	2.2
09/10/24	Total Phosphorus	SM 4500-P BE	0.5	2.1
09/10/24	Total Suspended Solids	SM 2540 D	2.0	27
09/10/24	BOD[8]	SM 5210 B	5.0	19
09/10/24	BOD	SM 5210 B	5.0	15
09/10/24	Arsenic	EPA 200.8	0.005	0.0096
09/10/24	Arsenic	EPA 200.8	0.005	0.0096
09/10/24	Selenium	EPA 200.8	0.005	0.0064
09/10/24	Selenium	EPA 200.8	0.005	0.0064

[7] The concentrations are reported in units of milligrams per liter.

[8] Biochemical Oxygen Demand.