

Colorado River Basin Regional Water Quality Control Board

NEW RIVER AT THE INTERNATIONAL BOUNDARY - CALEXICO, CALIFORNIA OCTOBER 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	(µS/cm) ⁴
10/07/24	NR ⁵	NR	NR	NR	NR

FIELD OBSERVATIONS

10/07/24 10:48 – Ambient air temperature is 82 °F. Clear sky. Wind speed is 6 miles per hour.

BACTERIAL ANALYSIS RESULTS

BABCOCK LABORATORIES, INC. IN EL CENTRO, CA

DATE	TIME	FECAL COLIFORM
(MM/DD/YY)	(HH:MM)	(MPN/100 ML) ⁶
10/07/24	09:58	>16,000 (1:10 dilution) ⁷
10/07/24	10:01	>16,000 (1:10 dilution)
10/07/24	10:03	92,000 (1:100 dilution)
10/07/24	10:05	>160,000 (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 Field measurements are not reported (NR). Field equipment is out of service.

⁶ Fecal coliform is reported in units of Most Probable Number (MPN) per 100 milliliters.

⁷ 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) ⁸	(mg/L)
10/07/24	Ammonia as Nitrogen	SM 4500 NH3 HG	0.2	15
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10/07/24	Total Kjeldahl Nitrogen	EPA 351.2	1.2	19
10/07/24	Total Kjeldahl Nitrogen	EPA 351.2	1.2	19
10/07/24	Total Phosphorus	SM 4500-P BE	0.5	2.8
10/07/24	Total Phosphorus	SM 4500-P BE	0.5	2.9
10/07/24	Total Suspended Solids	SM 2540 D	1.0	22
10/07/24	BOD ⁹	SM 5210 B	5.0	12
10/07/24	BOD	SM 5210 B	5.0	23
10/07/24	Arsenic	EPA 200.8	0.005	0.0076
10/07/24	Arsenic	EPA 200.8	0.005	0.0083
10/07/24	Selenium	EPA 200.8	0.005	0.0043
10/07/24	Selenium	EPA 200.8	0.005	0.0048

⁸ The concentrations are reported in units of milligrams per liter.

⁹ Biochemical Oxygen Demand.