

Colorado River Basin Regional Water Quality Control Board

**NEW RIVER AT THE INTERNATIONAL BOUNDARY -
CALEXICO, CALIFORNIA
SEPTEMBER 2025 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
09/16/25	10:56	28.4	3.97 ⁵	5.43	5,032

FIELD OBSERVATIONS

09/16/25 11:04 –Ambient air temperature is 96°F. Mostly clear sky. Light breeze. Water color is green brown. Light foam. Musty odor.

FIELD NOTES

Regional Water Board staff observed a black crate and tires in the river, and bottles and trash on the river bank. Staff also noted ducks and birds.

BACTERIAL ANALYSIS RESULTS

BABCOCK LABORATORIES, INC. IN RIVERSIDE CA

DATE	TIME	FECAL COLIFORM
(MM/DD/YY)	(HH:MM)	(MPN/100 ML) ⁶
09/16/25	11:08	9,200 (1:10 dilution)
09/16/25	11:08	16,000 (1:10 dilution)
09/16/25	11:08	54,000 (1:100 dilution)
09/16/25	11:08	35,000 (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 Historical data for pH ranges from 7.4 to 8.1 standard units. The discrepancy in the reported value is due to a pH sensor issue.

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

VIVIAN PEREZ, CHAIR | MICHAEL PLACENCIA, EXECUTIVE OFFICER

CHEMICAL ANALYSIS RESULTS

BABCOCK LABORATORIES, INC. IN RIVERSIDE, CA

DATE	CONSTITUENT	METHOD	REPORTING LIMIT	CONCENTRATION
(MM/DD/YY)			(mg/L) ⁷	(mg/L)
09/16/25	Ammonia as Nitrogen	SM 4500 NH3 HG	0.5	13
09/16/25	Ammonia as Nitrogen	SM 4500 NH3 HG	0.5	13
09/16/25	Total Kjeldahl Nitrogen	EPA 351.2	2.5	18
09/16/25	Total Kjeldahl Nitrogen	EPA 351.2	2.5	18
09/16/25	Total Phosphorous	SM 4500-P E	0.50	3.2
09/16/25	Total Phosphorous	SM 4500-P E	0.50	3.2
09/16/25	Total Suspended Solids	SM 2540 D	2	17
09/16/25	BOD ⁸	SM 5210 B	10	13
09/16/25	BOD	SM 5210 B	10	14
09/16/25	Arsenic	EPA 200.8	0.005	0.0093
09/16/25	Arsenic	EPA 200.8	0.005	0.0089
09/16/25	Selenium	EPA 200.8	0.005	0.0031
09/16/25	Selenium	EPA 200.8	0.005	0.0031

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

⁸ Biochemical Oxygen Demand.