

Colorado River Basin Regional Water Quality Control Board

NEW RIVER AT THE INTERNATIONAL BOUNDARY - CALEXICO, CALIFORNIA AUGUST 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	(μ S/cm) ⁴
08/19/25	11:10	31	6.75 ⁵	2.67	5,795

FIELD OBSERVATIONS

08/19/25 11:04 –Ambient air temperature is 96°F. Mostly clear sky. Wind speed is 4 miles per hour. Water color is green brown. Light foam. Briny odor.

FIELD NOTES

Regional Water Board staff observed ducks swimming and on the bank of the New River.

BACTERIAL ANALYSIS RESULTS

BABCOCK LABORATORIES, INC. IN RIVERSIDE CA

DATE	TIME	FECAL COLIFORM
(MM/DD/YY)	(HH:MM)	(MPN/100 ML) ⁶
08/19/25	11:14	16,000 (1:10 dilution)
08/19/25	11:14	16,000 (1:10 dilution)
08/19/25	11:14	2,700 (1:100 dilution)
08/19/25	11:14	13,000 (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 may be due to human or equipment error.

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)
08/19/25	Ammonia as Nitrogen	SM 4500 NH3 HG	0.5	16
08/19/25	Ammonia as Nitrogen	SM 4500 NH3 HG	0.5	16
08/19/25	Total Kjeldahl Nitrogen	EPA 351.2	2.5	20
08/19/25	Total Kjeldahl Nitrogen	EPA 351.2	2.5	20
08/19/25	Total Phosphorous	SM 4500-P E	0.50	3.6
08/19/25	Total Phosphorous	SM 4500-P E	0.50	3.6
08/19/25	Total Suspended Solids	SM 2540 D	2	16
08/19/25	BOD ⁸	SM 5210 B	10	14
08/19/25	BOD	SM 5210 B	10	13
08/19/25	Arsenic	EPA 200.8	0.005	0.0084
08/19/25	Arsenic	EPA 200.8	0.005	0.0080
08/19/25	Selenium	EPA 200.8	0.005	0.0035
08/19/25	Selenium	EPA 200.8	0.005	0.0033

⁷ The concentrations are reported in units of milligrams per liter.⁸ Biochemical Oxygen Demand.