

Colorado River Basin Regional Water Quality Control Board

NEW RIVER AT THE INTERNATIONAL BOUNDARY - CALEXICO, CALIFORNIA JULY 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
07/23/25	10:30	29.4	8.08	NR ⁵	5,909

FIELD OBSERVATIONS

07/23/25 10:30 –Ambient air temperature is 93°F. Clear sky. Wind speed is 3 miles per hour. Water color is olive green. Light foam. No odor.

BACTERIAL ANALYSIS RESULTS

BABCOCK LABORATORIES, INC. IN RIVERSIDE CA

DATE	TIME	FECAL COLIFORM
(MM/DD/YY)	(HH:MM)	(MPN/100 ML) ⁶
07/23/25	11:11	>16,000 (1:10 dilution) ⁷
07/23/25	11:11	>16,000 (1:10 dilution)
07/23/25	11:19	35,000 (1:100 dilution)
07/23/25	11:19	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 Dissolved oxygen is not reported (NR). Improper format.

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)
07/23/25	Ammonia as Nitrogen	SM 4500 NH3 HG	0.5	13
07/23/25	Ammonia as Nitrogen	SM 4500 NH3 HG	0.5	14
07/23/25	Total Kjeldahl Nitrogen	EPA 351.2	2.5	17
07/23/25	Total Kjeldahl Nitrogen	EPA 351.2	2.5	20
07/23/25	Total Phosphorous	SM 4500-P E	0.25	2.7
07/23/25	Total Phosphorous	SM 4500-P E	0.25	2.8
07/23/25	Total Suspended Solids	SM 2540 D	1	40
07/23/25	BOD ⁹	SM 5210 B	5.0	23
07/23/25	BOD	SM 5210 B	5.0	21
07/23/25	Arsenic	EPA 200.8	0.01	0.011
07/23/25	Arsenic	EPA 200.8	0.01	0.012
07/23/25	Selenium	EPA 200.8	0.01	0.0032
07/23/25	Selenium	EPA 200.8	0.01	0.0049

⁸ The concentrations are reported in units of milligrams per liter.⁹ Biochemical Oxygen Demand.