

Colorado River Basin Regional Water Quality Control Board

NEW RIVER AT THE INTERNATIONAL BOUNDARY - CALEXICO, CALIFORNIA NOVEMBER 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
11/18/25	11:08	20.7	7.9	2.57	2,470

FIELD OBSERVATIONS

11/18/25 10:58 –Ambient air temperature is 74°F. 50% over-cast. Wind speeds 20 to 25 miles per hour. Water color is brown. Minimal foam. No odor.

FIELD NOTES

Regional Water Board staff reported the New River water level rose by approximately one foot due to a rain event.

BACTERIAL ANALYSIS RESULTS

BABCOCK LABORATORIES, INC. IN RIVERSIDE CA

DATE	TIME	FECAL COLIFORM
(MM/DD/YY)	(HH:MM)	(MPN/100 ML) ⁵
11/18/25	11:26	>16,000 (1:10 dilution) ⁶
11/18/25	11:26	>16,000 (1:10 dilution)
11/18/25	11:28	>160,000 (1:100 dilution)
11/18/25	11:28	>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 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)
11/18/25	Ammonia as Nitrogen	SM 4500 NH3 HG	0.5	17
11/18/25	Ammonia as Nitrogen	SM 4500 NH3 HG	0.5	15
11/18/25	Total Kjeldahl Nitrogen	EPA 351.2	2.5	22
11/18/25	Total Kjeldahl Nitrogen	EPA 351.2	2.5	21
11/18/25	Total Phosphorous	SM 4500-P E	0.50	2.9
11/18/25	Total Phosphorous	SM 4500-P E	0.50	3.0
11/18/25	Total Suspended Solids	SM 2540 D	5.00	220
11/18/25	BOD ⁸	SM 5210 B	10	52
11/18/25	BOD	SM 5210 B	10	46
11/18/25	Arsenic	EPA 200.8	0.005	0.0063
11/18/25	Arsenic	EPA 200.8	0.005	0.0061
11/18/25	Selenium	EPA 200.8	0.005	0.0027
11/18/25	Selenium	EPA 200.8	0.005	0.0025

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