

Colorado River Basin Regional Water Quality Control Board

NEW RIVER AT THE INTERNATIONAL BOUNDARY - CALEXICO, CALIFORNIA MAY 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
05/21/25	NR ⁵	NR	NR	NR	NR

FIELD OBSERVATIONS

05/21/25 10:10 – Blue sky. Slight wind. Water color is brown. Major foam. No odor.

BACTERIAL ANALYSIS RESULTS

BABCOCK LABORATORIES, INC. IN EL CENTRO, CA

DATE	TIME	FECAL COLIFORM
(MM/DD/YY)	(HH:MM)	(MPN/100 ML) ⁶
05/21/25	10:40	16,000 (1:10 dilution)
05/21/25	10:42	>16,000 (1:10 dilution) ⁷
05/21/25	10:44	35,000 (1:100 dilution)
05/21/25	10:44	24,000 (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)
05/21/25	Ammonia as Nitrogen	SM 4500 NH3 HG	0.5	14
05/21/25	Ammonia as Nitrogen	SM 4500 NH3 HG	0.5	14
05/21/25	Total Kjeldahl Nitrogen	EPA 351.2	2.5	16
05/21/25	Total Kjeldahl Nitrogen	EPA 351.2	2.5	16
05/21/25	Total Phosphorous	SM 4500-P BE	0.50	2.7
05/21/25	Total Phosphorous	SM 4500-P BE	0.50	2.7
05/21/25	Total Suspended Solids	SM 2540 D	2	26
05/21/25	BOD ⁹	SM 5210 B	10	47
05/21/25	BOD	SM 5210 B	10	46
05/21/25	Arsenic	EPA 200.8	0.005	0.0077
05/21/25	Arsenic	EPA 200.8	0.005	0.0079
05/21/25	Selenium	EPA 200.8	0.005	0.0024
05/21/25	Selenium	EPA 200.8	0.005	0.0030

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