

Colorado River Basin Regional Water Quality Control Board

NEW RIVER AT THE INTERNATIONAL BOUNDARY -
CALEXICO, CALIFORNIA
FEBRUARY 2024 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
02/21/24	9:55	18.7	7.6	4.78	4,755

FIELD OBSERVATIONS

02/21/24 9:53 – Ambient air temperature is approximately 70°F. Water color is dark green. Slightly cloudy sky. Light breeze. No 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) ⁵
02/21/24	10:03	>16,000 (1:10 dilution) ⁶
02/21/24	10:04	>16,000 (1:10 dilution)
02/21/24	10:05	24,000 (1:100 dilution)
02/21/24	10:02	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 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)
02/21/24	Ammonia as Nitrogen	SM 4500 NH3 HG	0.20	13
02/21/24	Ammonia as Nitrogen	SM 4500 NH3 HG	0.20	14
02/21/24	Total Kjeldahl Nitrogen	EPA 351.2	1.2	19
02/21/24	Total Kjeldahl Nitrogen	EPA 351.2	2.5	18
02/21/24	Total Phosphorus	SM 4500-P BE	0.25	2.7
02/21/24	Total Phosphorus	SM 4500-P BE	0.25	2.6
02/21/24	Total Suspended Solids	SM 2540 D	5.0	39
02/21/24	BOD ⁸	SM 5210 B	40	~22 ⁹
02/21/24	BOD	SM 5210 B	20	36
02/21/24	Arsenic	EPA 200.8	0.005	0.0055
02/21/24	Arsenic	EPA 200.8	0.005	0.0054
02/21/24	Selenium	EPA 200.8	0.005	0.0031
02/21/24	Selenium	EPA 200.8	0.005	0.0027

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

⁸ Biochemical Oxygen Demand.

⁹ The reported result is an estimated value because the result did not meet method calculation criteria.