

Colorado River Basin Regional Water Quality Control Board

NEW RIVER AT THE INTERNATIONAL BOUNDARY -
CALEXICO, CALIFORNIA
NOVEMBER 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
11/19/24	11:25	16.1	7.7	5.73	4721

FIELD OBSERVATIONS

11/19/24 10:48 – Ambient air temperature is 70 °F. Partially cloudy sky. Wind speed is 5 miles per hour. Water color is olive green. No foam. Mild fish odor.

NOTES

Staff observed large debris, mostly submerged, and ducks swimming.

BACTERIAL ANALYSIS RESULTS

BABCOCK LABORATORIES, INC. IN EL CENTRO, CA

DATE	TIME	FECAL COLIFORM
(MM/DD/YY)	(HH:MM)	(MPN/100 ML) ⁵
11/19/24	11:38	>16,000 (1:10 dilution) ⁶
11/19/24	11:38	>16,000 (1:10 dilution)
11/19/24	11:45	92,000 (1:100 dilution)
11/19/24	11:45	92,000 (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)
11/19/24	Ammonia as Nitrogen	SM 4500 NH3 HG	0.5	21
11/19/24	Ammonia as Nitrogen	SM 4500 NH3 HG	0.5	20
11/19/24	Total Kjeldahl Nitrogen	EPA 351.2	2.5	22
11/19/24	Total Kjeldahl Nitrogen	EPA 351.2	6.2	22
11/19/24	Total Phosphorus	SM 4500-P BE	0.5	3.2
11/19/24	Total Phosphorus	SM 4500-P BE	0.5	3.1
11/19/24	Total Suspended Solids	SM 2540 D	2.0	30
11/19/24	BOD ⁸	SM 5210 B	5.0	18
11/19/24	BOD	SM 5210 B	5.0	19
11/19/24	Arsenic	EPA 200.8	0.01	0.0069
11/19/24	Arsenic	EPA 200.8	0.01	0.0062
11/19/24	Selenium	EPA 200.8	0.01	ND ⁹
11/19/24	Selenium	EPA 200.8	0.01	ND

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

⁸ Biochemical Oxygen Demand.

⁹ Analyte is not detected.