

Colorado River Basin Regional Water Quality Control Board

NEW RIVER AT THE INTERNATIONAL BOUNDARY -
CALEXICO, CALIFORNIA
APRIL 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
04/15/24	10:10	19.9	7.9	3.89	4,963

FIELD OBSERVATIONS

04/15/24 10:10 –Water color is brown green. Clear sky. 8 to 12 mile per hour winds.

BACTERIAL ANALYSIS RESULTS

BABCOCK LABORATORIES, INC. IN RIVERSIDE, CA

DATE	TIME	FECAL COLIFORM
(MM/DD/YY)	(HH:MM)	(MPN/100 ML) ⁵
04/15/24	10:15	>16,000 (1:10 dilution ⁶)
04/15/24	10:15	>16,000 (1:10 dilution)
04/15/24	10:15	35,000 (1:100 dilution)
04/15/24	10:15	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 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)
04/15/24	Ammonia as Nitrogen	SM 4500 NH3 HG	0.20	11
04/15/24	Ammonia as Nitrogen	SM 4500 NH3 HG	0.20	11
04/15/24	Total Kjeldahl Nitrogen	EPA 351.2	1.2	14
04/15/24	Total Kjeldahl Nitrogen	EPA 351.2	1.2	13
04/15/24	Total Phosphorus	SM 4500-P BE	0.25	2.2
04/15/24	Total Phosphorus	SM 4500-P BE	0.25	2.3
04/15/24	Total Suspended Solids	SM 2540 D	2.0	21
04/15/24	BOD ⁸	SM 5210 B	5.0	16
04/15/24	BOD	SM 5210 B	10.0	16
04/15/24	Arsenic	EPA 200.8	0.005	0.0072
04/15/24	Arsenic	EPA 200.8	0.005	0.0068
04/15/24	Selenium	EPA 200.8	0.005	0.0038
04/15/24	Selenium	EPA 200.8	0.005	0.0034

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

⁸ Biochemical Oxygen Demand.