

Colorado River Basin Regional Water Quality Control Board

NEW RIVER AT THE INTERNATIONAL BOUNDARY -
CALEXICO, CALIFORNIA
JULY 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
07/16/24	10:22	32.4	7.7	4.45	5,785

FIELD OBSERVATIONS

07/16/24 10:19 – Ambient air temperature is 99 °F. Water color is light green. Clear sky. Wind speed is 9 miles per hour. 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
07/16/24	10:54	>16,000 (1:10 dilution) ⁶
07/16/24	10:55	>16,000 (1:10 dilution)
07/16/24	10:56	54,000 (1:100 dilution)
07/16/24	10:56	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.

PETER SATIN, CHAIR | PAULA RASMUSSEN, EXECUTIVE OFFICER

CHEMICAL ANALYSIS RESULTS

BABCOCK LABORATORIES, INC. IN RIVERSIDE, CA

DATE	CONSTITUENT	METHOD	REPORTING LIMIT	CONCENTRATION
(MM/DD/YY)			(mg/L) ⁷	(mg/L)
07/16/24	Ammonia as Nitrogen	SM 4500 NH3 HG	0.2	11
07/16/24	Ammonia as Nitrogen	SM 4500 NH3 HG	0.2	11
07/16/24	Total Kjeldahl Nitrogen	EPA 351.2	1.2	15
07/16/24	Total Kjeldahl Nitrogen	EPA 351.2	1.2	15
07/16/24	Total Phosphorus	SM 4500-P BE	0.5	2.6
07/16/24	Total Phosphorus	SM 4500-P BE	0.5	2.6
07/16/24	Total Suspended Solids	SM 2540 D	2.0	42
07/16/24	BOD ⁸	SM 5210 B	20.0	ND ⁹
07/16/24	BOD	SM 5210 B	20.0	ND
07/16/24	Arsenic	EPA 200.8	0.005	0.0092
07/16/24	Arsenic	EPA 200.8	0.005	0.0095
07/16/24	Selenium	EPA 200.8	0.005	0.0038
07/16/24	Selenium	EPA 200.8	0.005	0.0039

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

⁸ Biochemical Oxygen Demand.

⁹ Analyte not detected at or above the Reporting Limit.