

Colorado River Basin Regional Water Quality Control Board

NEW RIVER AT THE INTERNATIONAL BOUNDARY -
CALEXICO, CALIFORNIA
AUGUST 2023 WATER QUALITY DATA

FIELD MEASUREMENTS

DATE	TIME	TEMP	PH	D.O.	SPECIFIC CONDUCTIVITY
(MM/DD/YY)	(HH:MM)	(°C) ¹		(mg/L) ²	(µS/cm) ³
08/23/23	NR ⁴	NR	NR	NR	NR

FIELD OBSERVATIONS

08/23/23 09:56 – Ambient air temperature is approximately 93°F. Water color is dark greenish brown. Clear sky. 5 miles per hour winds. No foam. Strong odor.

BACTERIAL ANALYSIS RESULTS

BABCOCK LABORATORIES, INC. IN RIVERSIDE, CA

DATE	TIME	FECAL COLIFORM
(MM/DD/YY)	(HH:MM)	(MPN/100 ML) ⁵
08/23/23	10:13	>16,000 (1:10 dilution) ⁶
08/23/23	10:12	>16,000 (1:10 dilution)
08/23/23	10:14	160,000 (1:100 dilution)
08/23/23	10:12	>160,000 (1:100 dilution)

¹ Water temperature is reported in units of degrees Celsius (°C).

² Dissolved oxygen (D.O.) is reported in units of milligrams per liter.

³ Specific conductivity is reported in units of microSiemens per centimeter.

⁴ Field measurements and are not reported (NR). Field equipment is out of service.

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)
08/23/23	Ammonia as Nitrogen	SM 4500 NH3 HG	0.5	5.6
08/23/23	Ammonia as Nitrogen	SM 4500 NH3 HG	0.5	4.8
08/23/23	Total Kjeldahl Nitrogen	EPA 351.2	1.0	8.6
08/23/23	Total Kjeldahl Nitrogen	EPA 351.2	1.0	7.5
08/23/23	Total Phosphorus	SM 4500-P BE	0.05	0.93
08/23/23	Total Phosphorus	SM 4500-P BE	0.05	0.90
08/23/23	Total Suspended Solids	SM 2540 D	5.0	59
08/23/23	BOD ⁸	SM 5210 B	5.0	10
08/23/23	BOD	SM 5210 B	5.0	10
08/23/23	Arsenic	EPA 200.8	0.001	0.0096
08/23/23	Arsenic	EPA 200.8	0.001	0.0093
08/23/23	Selenium	EPA 200.8	0.0005	0.0050
08/23/23	Selenium	EPA 200.8	0.0005	0.0049

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

⁸ Biochemical Oxygen Demand.