

Colorado River Basin Regional Water Quality Control Board

NEW RIVER AT THE INTERNATIONAL BOUNDARY -
CALEXICO, CALIFORNIA
SEPTEMBER 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
09/19/23	9:49	28.3	7.50	1.59	5880

FIELD OBSERVATIONS

09/19/23 09:52 – Ambient air temperature is approximately 84°F. Water color is greenish brown. Clear sky. 2 miles per hour winds. Slight foam. No odor.

BACTERIAL ANALYSIS RESULTS

BABCOCK LABORATORIES, INC. IN RIVERSIDE, CA

DATE	TIME	FECAL COLIFORM
(MM/DD/YY)	(HH:MM)	(MPN/100 ML) ⁴
09/19/23	10:00	16,000 (1:10 dilution)
09/19/23	10:00	>16,000 (1:10 dilution) ⁵
09/19/23	10:00	24,000 (1:100 dilution)
09/19/23	10:00	24,000 (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 Fecal coliform is reported in units of Most Probable Number (MPN) per 100 milliliters.

⁵ 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) ⁶	(mg/L)
09/19/23	Ammonia as Nitrogen	SM 4500 NH3 HG	0.5	8.9
09/19/23	Ammonia as Nitrogen	SM 4500 NH3 HG	0.5	9.1
09/19/23	Total Kjeldahl Nitrogen	EPA 351.2	1.0	12
09/19/23	Total Kjeldahl Nitrogen	EPA 351.2	1.0	12
09/19/23	Total Phosphorus	SM 4500-P BE	0.25	1.9
09/19/23	Total Phosphorus	SM 4500-P BE	0.25	2.0
09/19/23	Total Suspended Solids	SM 2540 D	2.0	15
09/19/23	BOD ⁷	SM 5210 B	5.0	11
09/19/23	BOD	SM 5210 B	5.0	12
09/19/23	Arsenic	EPA 200.8	0.004	0.0084
09/19/23	Arsenic	EPA 200.8	0.004	0.0081
09/19/23	Selenium	EPA 200.8	0.002	0.0036
09/19/23	Selenium	EPA 200.8	0.002	0.0032

⁶ The concentrations are reported in units of milligrams per liter.

⁷ Biochemical Oxygen Demand.