

Colorado River Basin Regional Water Quality Control Board

NEW RIVER AT THE INTERNATIONAL BOUNDARY -
CALEXICO, CALIFORNIA
OCTOBER 2022 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
10/18/22	10:30	24.9	7.5	2.0	5416

FIELD OBSERVATIONS

10/18/22 10:10- Air temperature is approximately 81 °F. Water color is green. Blue clear sky. No foam. Light odor.

BACTERIAL ANALYSIS RESULTS

BABCOCK LABORATORIES, INC. IN RIVERSIDE, CA

DATE	TIME	FECAL COLIFORM
(MM/DD/YY)	(HH:MM)	(MPN/100 ML) ⁴
10/18/22	10:30	>16,000 ⁵ (1:10 dilution)
10/18/22	10:30	>16,000 (1:10 dilution)
10/18/22	10:30	>160,000 (1:100 dilution)
10/18/22	10:30	>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 Fecal coliform is reported in units of Most Probable Number (MPN) per 100 milliliters.

⁵ Fecal coliform is greater than the 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)
10/18/22	Ammonia as Nitrogen	SM 4500 NH3 HG	0.1	8.7
10/18/22	Ammonia as Nitrogen	SM 4500 NH3 HG	0.1	8.8
10/18/22	Total Kjeldahl Nitrogen	EPA 351.2	1.0	12
10/18/22	Total Kjeldahl Nitrogen	EPA 351.2	1.0	12
10/18/22	Total Phosphorus	SM 4500-P BE	0.1	1.8
10/18/22	Total Phosphorus	SM 4500-P BE	0.1	1.8
10/18/22	Total Suspended Solids	SM 2540 D	5	25
10/18/22	BOD ⁷	SM 5210 B	1.0	12
10/18/22	BOD	SM 5210 B	1.0	12
10/18/22	Arsenic	EPA 200.8	0.001	0.01
10/18/22	Arsenic	EPA 200.8	0.001	0.01
10/18/22	Selenium	EPA 200.8	0.0005	0.012
10/18/22	Selenium	EPA 200.8	0.0005	0.012

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

⁷ Biochemical Oxygen Demand.