

Colorado River Basin Regional Water Quality Control Board

NEW RIVER AT THE INTERNATIONAL BOUNDARY -
CALEXICO, CALIFORNIA
DECEMBER 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
12/20/22	11:02	13.6	7.9	8.5	4990

FIELD OBSERVATIONS

12/20/22 11:06- Air temperature is approximately 59.8 °F. Water is a slight green color. Cloudy sky. 5 miles per hour west wind. No foam. Slight odor.

BACTERIAL ANALYSIS RESULTS

BABCOCK LABORATORIES, INC. IN EL CENTRO, CA

DATE	TIME	FECAL COLIFORM
(MM/DD/YY)	(HH:MM)	(MPN/100 ML) ⁴
12/20/22	11:33	>16,000 ⁵ (1:10 dilution)
12/20/22	11:33	>16,000 (1:10 dilution)
12/20/22	11:35	22,000 (1:100 dilution)
12/20/22	11:35	22,000 (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)
12/20/22	Ammonia as Nitrogen	SM 4500 NH3 HG	0.2	17
12/20/22	Ammonia as Nitrogen	SM 4500 NH3 HG	0.2	16
12/20/22	Total Kjeldahl Nitrogen	EPA 351.2	1.0	17
12/20/22	Total Kjeldahl Nitrogen	EPA 351.2	1.0	19
12/20/22	Total Phosphorus	SM 4500-P BE	0.25	2.5
12/20/22	Total Phosphorus	SM 4500-P BE	0.25	2.5
12/20/22	Total Suspended Solids	SM 2540 D	2	29
12/20/22	BOD ⁷	SM 5210 B	2.5	15
12/20/22	BOD	SM 5210 B	5.0	14
12/20/22	Arsenic	EPA 200.8	0.005	0.0059
12/20/22	Arsenic	EPA 200.8	0.005	0.0063
12/20/22	Selenium	EPA 200.8	0.0025	0.0092
12/20/22	Selenium	EPA 200.8	0.0025	0.010

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

⁷ Biochemical Oxygen Demand.