

Colorado River Basin Regional Water Quality Control Board

NEW RIVER AT THE INTERNATIONAL BOUNDARY -
CALEXICO, CALIFORNIA
JANUARY 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
01/17/23	10:37	14.2	8.0	7.2	4757

FIELD OBSERVATIONS

01/17/23 10:33- Air temperature is approximately 57.42 °F. Water is a muddy green color. Clear sky. Wind is 15 miles per hour. 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
01/17/23	11:00	>16,000 ⁵ (1:10 dilution)
01/17/23	11:00	>16,000 (1:10 dilution)
01/17/23	11:00	17,000 (1:100 dilution)
01/17/23	10:59	35,000 (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.

EDWARD MUZIK, 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) ⁶	(mg/L)
01/17/23	Ammonia as Nitrogen	SM 4500 NH3 HG	0.5	14
01/17/23	Ammonia as Nitrogen	SM 4500 NH3 HG	0.5	14
01/17/23	Total Kjeldahl Nitrogen	EPA 351.2	1.0	12
01/17/23	Total Kjeldahl Nitrogen	EPA 351.2	1.0	14
01/17/23	Total Phosphorus	SM 4500-P BE	0.25	2.5
01/17/23	Total Phosphorus	SM 4500-P BE	0.25	2.5
01/17/23	Total Suspended Solids	SM 2540 D	2	27
01/17/23	BOD ⁷	SM 5210 B	5.0	27
01/17/23	BOD	SM 5210 B	5.0	20
01/17/23	Arsenic	EPA 200.8	0.001	0.0063
01/17/23	Arsenic	EPA 200.8	0.001	0.0067
01/17/23	Selenium	EPA 200.8	0.0005	0.0086
01/17/23	Selenium	EPA 200.8	0.0005	0.0098

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

⁷ Biochemical Oxygen Demand.