

Colorado River Basin Regional Water Quality Control Board

NEW RIVER AT THE INTERNATIONAL BOUNDARY -
CALEXICO, CALIFORNIA
APRIL 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
04/19/22	10:02	22.7	7.8	5.3	5331

FIELD OBSERVATIONS

04/19/22 10:00- Ambient air temp 73°F. Water color is brown. Sky clear. Wind 3 miles per hour. Little foam. No odor.

NOTES

9:54 Sky little cloudy and clear (C/CL). Mostly little foam is white color.

BACTERIAL ANALYSIS

BABCOCK LABORATORIES, INC. IN RIVERSIDE, CA

DATE	TIME	FECAL COLIFORM
(MM/DD/YY)	(HH:MM)	(MPN/100 ML) ⁴
04/19/22	10:12	≥16,000 ⁵ (1:10 dilution)
04/19/22	10:13	5,400 (1:10 dilution)
04/19/22	10:14	13,000 (1:100 dilution)
04/19/22	10:15	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 or equal to the upper reporting limit (16,000 MPN).

CHEMICAL ANALYSIS

BABCOCK LABORATORIES, INC. IN RIVERSIDE, CA

DATE	CONSTITUENT	METHOD	REPORTING LIMIT	CONCENTRATION (mg/L) ⁶
04/19/22	Ammonia as Nitrogen	SM 4500 NH3 HG	0.1	10
04/19/22	Ammonia as Nitrogen	SM 4500 NH3 HG	0.1	10
04/19/22	Total Kjeldahl Nitrogen	EPA 351.2	1.0	15
04/19/22	Total Kjeldahl Nitrogen	EPA 351.2	1.0	14
04/19/22	Total Phosphorus	SM 4500-P BE	0.25	2.2
04/19/22	Total Phosphorus	SM 4500-P BE	0.25	2.2
04/19/22	Total Suspended Solids	SM 2540 D	2	50
04/19/22	BOD ⁷	SM 5210 B	2.5	17 (N-BOD1) ⁸
04/19/22	BOD	SM 5210 B	2.5	18 (N-BOD1)
04/19/22	Arsenic	EPA 200.8	0.002	0.0079
04/19/22	Arsenic	EPA 200.8	0.002	0.0083
04/19/22	Selenium	EPA 200.8	0.001	0.011
04/19/22	Selenium	EPA 200.8	0.001	0.011

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

⁷ Biochemical Oxygen Demand.

⁸ Dilution water blank exceeds 0.20 milligrams per liter. As per method, data is reportable as qualified.