

Colorado River Basin Regional Water Quality Control Board

NEW RIVER AT THE INTERNATIONAL BOUNDARY -
CALEXICO, CALIFORNIA
MAY 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
05/16/23	NR ⁴	NR	NR	NR	NR

FIELD OBSERVATIONS

05/16/23 10:01 – Air temperature is approximately 89°F. Water color is murky green. Sunny sky. Wind speed is 1 mile per hour. No foam. No odor.

BACTERIAL ANALYSIS RESULTS

BABCOCK LABORATORIES, INC. IN EL CENTRO, CA

DATE	TIME	FECAL COLIFORM
(MM/DD/YY)	(HH:MM)	(MPN/100 ML) ⁵
05/16/23	10:03	5,400 (1:10 dilution)
05/16/23	10:03	16,000 (1:10 dilution)
05/16/23	10:03	7,000 (1:100 dilution)
05/16/23	10:03	13,000 (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 Field measurements and are not reported (NR). Field equipment is out of service.

⁵ Fecal coliform is reported in units of Most Probable Number (MPN) per 100 milliliters.

CHEMICAL ANALYSIS RESULTS

BABCOCK LABORATORIES, INC. IN RIVERSIDE, CA

DATE	CONSTITUENT	METHOD	REPORTING LIMIT	CONCENTRATION
(MM/DD/YY)			(mg/L) ⁶	(mg/L)
05/16/23	Ammonia as Nitrogen	SM 4500 NH3 HG	0.5	11
05/16/23	Ammonia as Nitrogen	SM 4500 NH3 HG	0.5	10
05/16/23	Total Kjeldahl Nitrogen	EPA 351.2	2.0	13
05/16/23	Total Kjeldahl Nitrogen	EPA 351.2	2.0	13
05/16/23	Total Phosphorus	SM 4500-P BE	0.25	1.9
05/16/23	Total Phosphorus	SM 4500-P BE	0.25	2.0
05/16/23	Total Suspended Solids	SM 2540 D	1.0	28
05/16/23	BOD ⁷	SM 5210 B	20	ND
05/16/23	BOD	SM 5210 B	10	ND
05/16/23	Arsenic	EPA 200.8	0.001	0.0094
05/16/23	Arsenic	EPA 200.8	0.001	0.0092
05/16/23	Selenium	EPA 200.8	0.005	0.011
05/16/23	Selenium	EPA 200.8	0.005	0.011

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

⁷ Biochemical Oxygen Demand.