

Colorado River Basin Regional Water Quality Control Board

NEW RIVER AT THE INTERNATIONAL BOUNDARY -
 CALEXICO, CALIFORNIA
 DECEMBER 2024 WATER QUALITY DATA

FIELD MEASUREMENTS

DATE	TIME	TEMP	PH	D.O.	SPECIFIC CONDUCTIVITY
(MM/DD/YY)	(HH:MM)	(°C) ¹	S.U. ²	(mg/L) ³	(µS/cm) ⁴
12/17/24	NR ⁵	NR	NR	NR	NR

FIELD OBSERVATIONS

12/17/24 10:20 – Ambient air temperature is 65 °F. Sunny sky. Wind speed is 5 miles per hour. Water color is brown. Intermittent foam. Mild odor.

NOTES

New River water showing intermittent foam flowing downstream. Staff observed a duck swimming in water and dead fish.

BACTERIAL ANALYSIS RESULTS

BABCOCK LABORATORIES, INC. IN RIVERSIDE, CA

DATE	TIME	FECAL COLIFORM
(MM/DD/YY)	(HH:MM)	(MPN/100 ML) ⁶
12/17/24	10:28	16,000 (1:10 dilution)
12/17/24	10:28	16,000 (1:10 dilution)
12/17/24	10:28	24,000 (1:100 dilution)
12/17/24	10:28	13,000 (1:100 dilution)

¹ Water temperature is reported in units of degrees Celsius (°C).

² pH is reported in standard units.

³ Dissolved oxygen (D.O.) is reported in units of milligrams per liter.

⁴ Specific conductivity is reported in units of microSiemens per centimeter.

⁵ Field measurements are not reported (NR). Field equipment is out of service.

⁶ 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) ⁷	(mg/L)
12/17/24	Ammonia as Nitrogen	SM 4500 NH3 HG	0.5	21
12/17/24	Ammonia as Nitrogen	SM 4500 NH3 HG	0.5	21
12/17/24	Total Kjeldahl Nitrogen	EPA 351.2	1.2	21
12/17/24	Total Kjeldahl Nitrogen	EPA 351.2	1.2	23
12/17/24	Total Phosphorus	SM 4500-P BE	0.5	3.0
12/17/24	Total Phosphorus	SM 4500-P BE	0.5	3.2
12/17/24	Total Suspended Solids	SM 2540 D	1.0	24
12/17/24	BOD ⁸	SM 5210 B	5.0	24
12/17/24	BOD	SM 5210 B	5.0	25
12/17/24	Arsenic	EPA 200.8	0.01	0.0074
12/17/24	Arsenic	EPA 200.8	0.01	0.0074
12/17/24	Selenium	EPA 200.8	0.01	0.0057
12/17/24	Selenium	EPA 200.8	0.01	0.0047

⁷ The concentrations are reported in units of milligrams per liter.

⁸ Biochemical Oxygen Demand.