

Colorado River Basin Regional Water Quality Control Board

NEW RIVER AT THE INTERNATIONAL BOUNDARY - CALEXICO, CALIFORNIA SEPTEMBER 2021 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
09/21/21	10:25	28.0	7.7	3.5	5,499

FIELD OBSERVATIONS

09/21/21 10:24- Ambient air temp 93°F. Water color is olive green. No clouds. Wind east 3 miles per hour. Some foam. Low odor.

NOTES- Observed a live fish, a heron.

BACTERIAL ANALYSIS

BABCOCK LABORATORIES, INC. IN RIVERSIDE, CA

DATE	TIME	FECAL COLIFORM
(MM/DD/YY)	(HH:MM)	(MPN/100 ML) ⁴
09/21/21	10:36	9,200 (1:10 dilution)
09/21/21	10:37	9,200 (1:10 dilution)
09/21/21	10:38	11,000 (1:100 dilution)
09/21/21	10:39	4,900 (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.

CHEMICAL ANALYSIS

BABCOCK LABORATORIES, INC. IN RIVERSIDE, CA

DATE	CONSTITUENT	METHOD	REPORTING LIMIT	CONCENTRATION (mg/L) ⁵
09/21/21	Ammonia as Nitrogen	SM 4500 NH3 HG	0.5	11
09/21/21	Ammonia as Nitrogen	SM 4500 NH3 HG	0.5	10
09/21/21	Total Kjeldahl Nitrogen	EPA 351.2	1	13
09/21/21	Total Kjeldahl Nitrogen	EPA 351.2	1	13
09/21/21	Total Phosphorus	SM 4500-P BE	0.1	2.5 (N_HThist ⁶)
09/21/21	Total Phosphorus	SM 4500-P BE	0.1	2.2 (N_HThist)
09/21/21	Total Suspended Solids	SM 2540 D	2	30
09/21/21	BOD ⁷	SM 5210 B	5	12
09/21/21	BOD	SM 5210 B	5	10
09/21/21	Arsenic	EPA 200.8	0.002	0.01
09/21/21	Arsenic	EPA 200.8	0.002	0.011
09/21/21	Selenium	EPA 200.8	0.001	0.011
09/21/21	Selenium	EPA 200.8	0.001	0.011

⁵ The concentrations are reported in units of milligrams per liter.

⁶ Original sample was run within holding time, however since the result did not match historical data and/or exhibit proper relationship with other test parameters, the sample was reanalyzed. Reanalysis occurred outside EPA recommended holding time.

⁷ Biochemical Oxygen Demand.