

Colorado River Basin Regional Water Quality Control Board

NEW RIVER AT THE INTERNATIONAL BOUNDARY -
CALEXICO, CALIFORNIA
NOVEMBER 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
11/16/21	10:00	20.0	7.7	5.3	5,062

FIELD OBSERVATIONS

11/16/21 10:00- Ambient air temp 76°F. Water color is green. Sky overcast. Light wind. Minor foam. No odor.

NOTES- Arrived at site 9:30. Gate locked. Take pictures of gates, lock, and broken concrete pad. Obtain river water samples.

BACTERIAL ANALYSIS

BABCOCK LABORATORIES, INC. IN EL CENTRO, CA

DATE	TIME	FECAL COLIFORM
(MM/DD/YY)	(HH:MM)	(MPN/100 ML) ⁴
11/16/21	10:10	>16,000 ⁵ (1:10 dilution)
11/16/21	10:10	>16,000 (1:10 dilution)
11/16/21	10:10	35,000 (1:100 dilution)
11/16/21	10:10	54,000 (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.

CHEMICAL ANALYSIS

BABCOCK LABORATORIES, INC. IN RIVERSIDE, CA

DATE	CONSTITUENT	METHOD	REPORTING LIMIT	CONCENTRATION (mg/L) ⁶
11/16/21	Ammonia as Nitrogen	SM 4500 NH3 HG	0.5	14
11/16/21	Ammonia as Nitrogen	SM 4500 NH3 HG	0.5	14
11/16/21	Total Kjeldahl Nitrogen	EPA 351.2	1.0	19
11/16/21	Total Kjeldahl Nitrogen	EPA 351.2	1.0	19
11/16/21	Total Phosphorus	SM 4500-P BE	0.25	2.9
11/16/21	Total Phosphorus	SM 4500-P BE	0.25	3.0
11/16/21	Total Suspended Solids	SM 2540 D	5	33
11/16/21	BOD ⁷	SM 5210 B	20	ND ⁸
11/16/21	BOD	SM 5210 B	20	ND
11/16/21	Arsenic	EPA 200.8	0.001	0.007
11/16/21	Arsenic	EPA 200.8	0.001	0.007
11/16/21	Selenium	EPA 200.8	0.0005	0.008
11/16/21	Selenium	EPA 200.8	0.0005	0.008

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

⁷ Biochemical Oxygen Demand.

⁸ Analyte not detected. Concentration below quantitation limit.