

Colorado River Basin Regional Water Quality Control Board

NEW RIVER AT THE INTERNATIONAL BOUNDARY - CALEXICO, CALIFORNIA APRIL 2021 WATER QUALITY DATA

FIELD MEASUREMENTS

DATE	TIME	TEMP	PH	D.O.	SPECIFIC CONDUCTIVITY
(MM/DD/YY)	(HH:MM)	(°C) ¹		(mg/L) ²	(μ S/cm) ³
04/20/21	09:30	21.8	7.7	4.0	5,120

FIELD OBSERVATIONS

04/20/21 09:30- Ambient air temp 81°F. Water color is brown green. Sky is clear/blue. Wind 5 miles per hour. No foam present. Odor non-detect.

BACTERIAL ANALYSIS

BABCOCK LABORATORIES, INC. IN RIVERSIDE, CA

DATE	TIME	FECAL COLIFORM
(MM/DD/YY)	(HH:MM)	(MPN/100 ML) ⁴
04/20/21	10:02	1,300 (1:10 dilution)
04/20/21	10:03	3,500 (1:10 dilution)
04/20/21	10:04	2,300 (1:100 dilution)
04/20/21	10:05	1,700 (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
04/20/21	Ammonia as Nitrogen	SM 4500 NH3 HG	1	9.5
04/20/21	Ammonia as Nitrogen	SM 4500 NH3 HG	2	11
04/20/21	Total Kjeldahl Nitrogen	EPA 351.2	1	12
04/20/21	Total Kjeldahl Nitrogen	EPA 351.2	1	14
04/20/21	Total Phosphorus	SM 4500-P BE	0.1	2.3
04/20/21	Total Phosphorus	SM 4500-P BE	0.1	2.2
04/20/21	Total Suspended Solids	SM 2540 D	2	36
04/20/21	BOD ⁶	SM 5210 B	5	11
04/20/21	BOD	SM 5210 B	5	13
04/20/21	Arsenic	EPA 200.8	0.001	0.007
04/20/21	Arsenic	EPA 200.8	0.001	0.007
04/20/21	Selenium	EPA 200.8	0.0005	0.007
04/20/21	Selenium	EPA 200.8	0.0005	0.007

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

⁶ Biochemical Oxygen Demand.