

Colorado River Basin Regional Water Quality Control Board

NEW RIVER AT THE INTERNATIONAL BOUNDARY -  
CALEXICO, CALIFORNIA  
SEPTEMBER 2022 WATER QUALITY DATA

**FIELD MEASUREMENTS**

DATE	TIME	TEMP	PH	D.O.	SPECIFIC CONDUCTIVITY
(MM/DD/YY)	(HH:MM)	(°C) <sup>1</sup>		(mg/L) <sup>2</sup>	(µS/cm) <sup>3</sup>
09/20/22	10:29	28.3	7.4	1.4	5261

**FIELD OBSERVATIONS**

09/20/22 10:28- Air temperature is approximately 89 °F. Water color is brown. Blue clear sky. Wind speed is 0.5 miles per hour. No foam. Light odor.

**BACTERIAL ANALYSIS RESULTS**

BABCOCK LABORATORIES, INC. IN RIVERSIDE, CA

DATE	TIME	FECAL COLIFORM
(MM/DD/YY)	(HH:MM)	(MPN/100 ML) <sup>4</sup>
09/20/22	10:45	2,400 (1:10 dilution)
09/20/22	10:45	>16,000 <sup>5</sup> (1:10 dilution)
09/20/22	10:45	160,000 (1:100 dilution)
09/20/22	10:45	160,000 (1:100 dilution)

<sup>1</sup> Water temperature is reported in units of degrees Celsius (°C).

<sup>2</sup> Dissolved oxygen (D.O.) is reported in units of milligrams per liter.

<sup>3</sup> Specific conductivity is reported in units of microSiemens per centimeter.

<sup>4</sup> Fecal coliform is reported in units of Most Probable Number (MPN) per 100 milliliters.

<sup>5</sup> Fecal coliform is greater than the upper reporting limit.

**CHEMICAL ANALYSIS RESULTS**

BABCOCK LABORATORIES, INC. IN RIVERSIDE, CA

DATE	CONSTITUENT	METHOD	REPORTING LIMIT	CONCENTRATION
(MM/DD/YY)			(mg/L) <sup>6</sup>	(mg/L)
09/20/22	Ammonia as Nitrogen	SM 4500 NH3 HG	0.1	10
09/20/22	Ammonia as Nitrogen	SM 4500 NH3 HG	0.1	11
09/20/22	Total Kjeldahl Nitrogen	EPA 351.2	1.0	13
09/20/22	Total Kjeldahl Nitrogen	EPA 351.2	1.0	12
09/20/22	Total Phosphorus	SM 4500-P BE	0.25	2.3
09/20/22	Total Phosphorus	SM 4500-P BE	0.25	2.3
09/20/22	Total Suspended Solids	SM 2540 D	2	26
09/20/22	BOD <sup>7</sup>	SM 5210 B	20	ND <sup>8</sup>
09/20/22	BOD	SM 5210 B	10	15
09/20/22	Arsenic	EPA 200.8	0.001	0.0099
09/20/22	Arsenic	EPA 200.8	0.001	0.0096
09/20/22	Selenium	EPA 200.8	0.0005	0.0079
09/20/22	Selenium	EPA 200.8	0.0005	0.0078

<sup>6</sup> The concentrations are reported in units of milligrams per liter.

<sup>7</sup> Biochemical Oxygen Demand.

<sup>8</sup> Analyte not detected.