

## Colorado River Basin Regional Water Quality Control Board

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

#### FIELD MEASUREMENTS

DATE	TIME	TEMP	PH	D.O.	SPECIFIC CONDUCTIVITY
(MM/DD/YY)	(HH:MM)	(°C) <sup>1</sup>	S.U.	(mg/L) <sup>2</sup>	(µS/cm) <sup>3</sup>
01/23/24	10:54	15.3	7.47	3.65	2,812 <sup>4</sup>

#### FIELD OBSERVATIONS

01/23/24 10:50 – Ambient air temperature is approximately 63°F. Water color is brown. Slightly cloudy sky. No foam. No odor.

#### BACTERIAL ANALYSIS RESULTS

BABCOCK LABORATORIES, INC. IN EL CENTRO, CA

DATE	TIME	FECAL COLIFORM
(MM/DD/YY)	(HH:MM)	(MPN/100 ML) <sup>5</sup>
01/23/24	11:06	>16,000 (1:10 dilution) <sup>6</sup>
01/23/24	11:06	>16,000 (1:10 dilution)
01/23/24	11:08	>160,000 (1:100 dilution)
01/23/24	11:07	>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> Historical data for specific conductivity ranges from 4,000 to 6,000 µS/cm.

<sup>5</sup> Fecal coliform is reported in units of Most Probable Number (MPN) per 100 milliliters.

<sup>6</sup> Fecal coliform is greater than upper reporting limit.

**CHEMICAL ANALYSIS RESULTS**

BABCOCK LABORATORIES, INC. IN RIVERSIDE, CA

DATE	CONSTITUENT	METHOD	REPORTING LIMIT	CONCENTRATION
(MM/DD/YY)			(mg/L) <sup>7</sup>	(mg/L)
01/23/24	Ammonia as Nitrogen	SM 4500 NH3 HG	0.20	8.5
01/23/24	Ammonia as Nitrogen	SM 4500 NH3 HG	0.20	8.6
01/23/24	Total Kjeldahl Nitrogen	EPA 351.2	0.60	12
01/23/24	Total Kjeldahl Nitrogen	EPA 351.2	3.1	11
01/23/24	Total Phosphorus	SM 4500-P BE	0.10	1.5
01/23/24	Total Phosphorus	SM 4500-P BE	0.10	1.5
01/23/24	Total Suspended Solids	SM 2540 D	5.0	120
01/23/24	BOD <sup>8</sup>	SM 5210 B	5.0	30
01/23/24	BOD	SM 5210 B	5.0	31
01/23/24	Arsenic	EPA 200.8	0.005	0.0046
01/23/24	Arsenic	EPA 200.8	0.005	0.0047
01/23/24	Selenium	EPA 200.8	0.005	0.0027
01/23/24	Selenium	EPA 200.8	0.005	0.0027

<sup>7</sup> The concentrations are reported in units of milligrams per liter.

<sup>8</sup> Biochemical Oxygen Demand.