

## Colorado River Basin Regional Water Quality Control Board

### NEW RIVER AT THE INTERNATIONAL BOUNDARY - CALEXICO, CALIFORNIA DECEMBER 2023 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>
12/27/23	9:37	14.9	7.65	5.75	4626

#### FIELD OBSERVATIONS

12/27/23 9:32 – Ambient air temperature is approximately 58.9°F. Water color is brown. Cloudy sky. Minor winds. No foam.

#### BACTERIAL ANALYSIS RESULTS

BABCOCK LABORATORIES, INC. IN EL CENTRO, CA

DATE	TIME	FECAL COLIFORM
(MM/DD/YY)	(HH:MM)	(MPN/100 ML) <sup>4</sup>
12/27/23	9:53	>16,000 (1:10 dilution) <sup>5</sup>
12/27/23	9:54	16,000 (1:10 dilution)
12/27/23	9:54	22,000 (1:100 dilution)
12/27/23	9:54	54,000 (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 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)
12/27/23	Ammonia as Nitrogen	SM 4500 NH3 HG	0.2	12
12/27/23	Ammonia as Nitrogen	SM 4500 NH3 HG	0.2	12
12/27/23	Total Kjeldahl Nitrogen	EPA 351.2	1.2	15
12/27/23	Total Kjeldahl Nitrogen	EPA 351.2	1.2	14
12/27/23	Total Phosphorus	SM 4500-P BE	0.25	2.0
12/27/23	Total Phosphorus	SM 4500-P BE	0.10	2.0
12/27/23	Total Suspended Solids	SM 2540 D	1.0	25
12/27/23	BOD <sup>7</sup>	SM 5210 B	2.5	14
12/27/23	BOD	SM 5210 B	2.5	16
12/27/23	Arsenic	EPA 200.8	0.005	0.0054
12/27/23	Arsenic	EPA 200.8	0.005	0.0057
12/27/23	Selenium	EPA 200.8	0.005	0.0035
12/27/23	Selenium	EPA 200.8	0.005	0.0039

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

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

PETER SATIN, CHAIR | PAULA RASMUSSEN, EXECUTIVE OFFICER