

**Colorado River Basin Regional Water Quality Control Board**

**NEW RIVER AT THE INTERNATIONAL BOUNDARY -  
CALEXICO, CALIFORNIA  
OCTOBER 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>
10/24/23	10:32	22.7	7.61	2.64	57.84 <sup>4</sup>

**FIELD OBSERVATIONS**

10/24/23 10:32 – Ambient air temperature is approximately 78°F. Water color is green. Clear sky. No wind. 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>
10/24/23	10:35	>16,000 (1:10 dilution) <sup>6</sup>
10/24/23	10:35	>16,000 (1:10 dilution)
10/24/23	10:35	54,000 (1:100 dilution)
10/24/23	10:35	92,000 (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 uS/cm. The discrepancy in the reported value may due to human or equipment error.

<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.

EDWARD MUZIK, CHAIR | PAULA RASMUSSEN, EXECUTIVE OFFICER

**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)
10/24/23	Ammonia as Nitrogen	SM 4500 NH3 HG	0.5	13
10/24/23	Ammonia as Nitrogen	SM 4500 NH3 HG	0.5	13
10/24/23	Total Kjeldahl Nitrogen	EPA 351.2	1.0	16
10/24/23	Total Kjeldahl Nitrogen	EPA 351.2	1.0	17
10/24/23	Total Phosphorus	SM 4500-P BE	0.25	2.0
10/24/23	Total Phosphorus	SM 4500-P BE	0.25	2.1
10/24/23	Total Suspended Solids	SM 2540 D	2.0	24
10/24/23	BOD <sup>8</sup>	SM 5210 B	5.0	15
10/24/23	BOD	SM 5210 B	5.0	16
10/24/23	Arsenic	EPA 200.8	0.002	0.0068
10/24/23	Arsenic	EPA 200.8	0.002	0.0067
10/24/23	Selenium	EPA 200.8	0.001	0.0047
10/24/23	Selenium	EPA 200.8	0.001	0.0047

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

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