

Colorado River Basin Regional Water Quality Control Board

NEW RIVER AT THE INTERNATIONAL BOUNDARY -  
CALEXICO, CALIFORNIA  
JANUARY 2025 WATER QUALITY DATA

**FIELD MEASUREMENTS**

DATE	TIME	TEMP	PH	D.O.	SPECIFIC CONDUCTIVITY
(MM/DD/YY)	(HH:MM)	(°C) <sup>1</sup>	S.U. <sup>2</sup>	(mg/L) <sup>3</sup>	(µS/cm) <sup>4</sup>
01/14/25	10:13	12.13	7.82	6.83	4,572

**FIELD OBSERVATIONS**

01/14/25 10:19 – Ambient air temperature is 59 °F. Clear sunny sky. Wind speed is 10 miles per hour. Water color is reddish brown. Major foam. Mild odor.

**NOTES**

Staff observed wildlife in the New River.

**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>
01/14/25	10:28	>16,000 (1:10 dilution) <sup>6</sup>
01/14/25	10:28	>16,000 (1:10 dilution)
01/14/25	10:28	17,000 (1:100 dilution)
01/14/25	10:28	54,000 (1:100 dilution)

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

<sup>2</sup> pH is reported in standard units.

<sup>3</sup> Dissolved oxygen (D.O.) is reported in units of milligrams per liter.

<sup>4</sup> Specific conductivity is reported in units of microSiemens per centimeter.

<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)
01/14/25	Ammonia as Nitrogen	SM 4500 NH3 HG	0.5	22
01/14/25	Ammonia as Nitrogen	SM 4500 NH3 HG	0.5	21
01/14/25	Total Kjeldahl Nitrogen	EPA 351.2	2.5	21
01/14/25	Total Kjeldahl Nitrogen	EPA 351.2	2.5	26
01/14/25	Total Phosphorus	SM 4500-P BE	0.50	2.9
01/14/25	Total Phosphorus	SM 4500-P BE	0.50	2.9
01/14/25	Total Suspended Solids	SM 2540 D	2.0	28
01/14/25	BOD <sup>8</sup>	SM 5210 B	5.0	29
01/14/25	BOD	SM 5210 B	5.0	27
01/14/25	Arsenic	EPA 200.8	0.01	0.0057
01/14/25	Arsenic	EPA 200.8	0.01	0.0058
01/14/25	Selenium	EPA 200.8	0.01	0.0033
01/14/25	Selenium	EPA 200.8	0.01	ND <sup>9</sup>

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

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

<sup>9</sup> Analyte is not detected at or above the Reporting Limit.