

Colorado River Basin Regional Water Quality Control Board

NEW RIVER AT THE INTERNATIONAL BOUNDARY - CALEXICO, CALIFORNIA MARCH 2023 WATER QUALITY DATA

FIELD MEASUREMENTS

| DATE | TIME | TEMP | PH | D.O. | SPECIFIC CONDUCTIVITY |
|------------|---------|-------------------|-----|---------------------|-----------------------|
| (MM/DD/YY) | (HH:MM) | (°C) ¹ | | (mg/L) ² | (µS/cm) ³ |
| 03/21/23 | 9:25 | 19.4 | 7.7 | 4.17 | 4980 |

FIELD OBSERVATIONS

03/21/23 9:25 - Air temperature is approximately 65 °F. Water is an olive-green color. Cloudy sky with rain. Low wind. No foam. No odor.

NOTES

9:25 Construction activities and traffic nearby. Earth movement. Homeless encampment approximately 50 feet upstream.

BACTERIAL ANALYSIS RESULTS

BABCOCK LABORATORIES, INC. IN EL CENTRO, CA

| DATE | TIME | FECAL COLIFORM |
|------------|---------|--------------------------------------|
| (MM/DD/YY) | (HH:MM) | (MPN/100 ML) ⁴ |
| 03/21/23 | 9:35 | >16,000 ⁵ (1:10 dilution) |
| 03/21/23 | 9:35 | >16,000 (1:10 dilution) |
| 03/21/23 | 9:36 | 54,000 (1:100 dilution) |
| 03/21/23 | 9:36 | 35,000 (1:100 dilution) |

¹ Water temperature is reported in units of degrees Celsius (°C).

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

³ Specific conductivity is reported in units of microSiemens per centimeter.

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

⁵ 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) ⁶ | (mg/L) |
| 03/21/23 | Ammonia as Nitrogen | SM 4500 NH3 HG | 0.2 | 11 |
| 03/21/23 | Ammonia as Nitrogen | SM 4500 NH3 HG | 0.2 | 10 |
| 03/21/23 | Total Kjeldahl Nitrogen | EPA 351.2 | 2.0 | 15 |
| 03/21/23 | Total Kjeldahl Nitrogen | EPA 351.2 | 2.0 | 15 |
| 03/21/23 | Total Phosphorus | SM 4500-P BE | 0.25 | 1.9 |
| 03/21/23 | Total Phosphorus | SM 4500-P BE | 0.25 | 1.9 |
| 03/21/23 | Total Suspended Solids | SM 2540 D | 2 | 28 |
| 03/21/23 | BOD ⁷ | SM 5210 B | 20 | ND ⁸ |
| 03/21/23 | BOD | SM 5210 B | 20 | ND |
| 03/21/23 | Arsenic | EPA 200.8 | 0.001 | 0.0074 |
| 03/21/23 | Arsenic | EPA 200.8 | 0.001 | 0.0076 |
| 03/21/23 | Selenium | EPA 200.8 | 0.0005 | 0.0096 |
| 03/21/23 | Selenium | EPA 200.8 | 0.0005 | 0.01 |

⁶ The concentrations are reported in units of milligrams per liter.

⁷ Biochemical Oxygen Demand.

⁸ Analyte not detected.