

Colorado River Basin Regional Water Quality Control Board

NEW RIVER AT THE INTERNATIONAL BOUNDARY -
CALEXICO, CALIFORNIA
MAY 2022 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 |
| 05/31/22 | 08:46 | 25.1 | 7.7 | 4.4 | 5590 |

FIELD OBSERVATIONS

05/31/22 08:43- Water color is olive green. Clear sky. Slight breeze. Wind 0-5 miles per hour. No foam.

NOTES

Samples from short dock. Water level normal.

BACTERIAL ANALYSIS RESULTS

BABCOCK LABORATORIES, INC. IN RIVERSIDE, CA

| DATE | TIME | FECAL COLIFORM |
|------------|---------|--------------------------------------|
| (MM/DD/YY) | (HH:MM) | (MPN/100 ML) ⁴ |
| 05/31/22 | 08:55 | 9,200 (1:10 dilution) |
| 05/31/22 | 08:55 | ≥16,000 ⁵ (1:10 dilution) |
| 05/31/22 | 08:56 | 24,000 (1:100 dilution) |
| 05/31/22 | 08:56 | 24,000 (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 or equal to the upper reporting limit (16,000 MPN).

CHEMICAL ANALYSIS RESULTS

BABCOCK LABORATORIES, INC. IN RIVERSIDE, CA

| DATE | CONSTITUENT | METHOD | REPORTING LIMIT | CONCENTRATION (mg/L) ⁶ |
|----------|-------------------------|----------------|-----------------|-----------------------------------|
| 05/31/22 | Ammonia as Nitrogen | SM 4500 NH3 HG | 0.1 | 10 |
| 05/31/22 | Ammonia as Nitrogen | SM 4500 NH3 HG | 0.1 | 10 |
| 05/31/22 | Total Kjeldahl Nitrogen | EPA 351.2 | 1.0 | 13 |
| 05/31/22 | Total Kjeldahl Nitrogen | EPA 351.2 | 1.0 | 14 |
| 05/31/22 | Total Phosphorus | SM 4500-P BE | 0.25 | 2.5 |
| 05/31/22 | Total Phosphorus | SM 4500-P BE | 0.25 | 2.2 |
| 05/31/22 | Total Suspended Solids | SM 2540 D | 5 | 38 |
| 05/31/22 | BOD ⁷ | SM 5210 B | 20 | ND ⁸ |
| 05/31/22 | BOD | SM 5210 B | 20 | ND |
| 05/31/22 | Arsenic | EPA 200.8 | 0.005 | 0.0089 |
| 05/31/22 | Arsenic | EPA 200.8 | 0.010 | 0.010 |
| 05/31/22 | Selenium | EPA 200.8 | 0.0005 | 0.0087 |
| 05/31/22 | Selenium | EPA 200.8 | 0.0005 | 0.010 |

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

⁷ Biochemical Oxygen Demand.

⁸ Analyte not detected. Concentration below quantitation limit.