Colorado River Basin Regional Water Quality Control Board

NEW RIVER AT THE INTERNATIONAL BOUNDARY - CALEXICO, CALIFORNIA
MARCH 2024 WATER QUALITY DATA

FIELD MEASUREMENTS

DATE	TIME	TEMP	PH	D.O.	SPECIFIC CONDUCTIVITY
(MM/DD/YY)	(HH:MM)	(°C)[1]	S.U.[2]	(mg/L)[3]	(*u*S/cm)[4]
03/26/24	10:34	18.5	7.6	4.36	5,278

FIELD OBSERVATIONS

03/26/24 10:15 – Ambient air temperature is approximately 66°F. Water color is brown green. Sunny sky. Low winds. No foam. Odor is rotten egg like.

BACTERIAL ANALYSIS RESULTS

BABCOCK LABORATORIES, INC. IN RIVERSIDE, CA

DATE	TIME	FECAL COLIFORM
(MM/DD/YY)	(HH:MM)	(MPN/100 ML)[5]
03/26/24	10:17	16,000 (1:10 dilution)
03/26/24	10:17	2,400 (1:10 dilution)
03/26/24	10:23	28,000 (1:100 dilution)
03/26/24	10:23	>160,000 (1:100 dilution)[6]

[1] Water temperature is reported in units of degrees Celsius (°C).
[2] pH is reported in standard units.
[3] Dissolved oxygen (D.O.) is reported in units of milligrams per liter.
[4] Specific conductivity is reported in units of microSiemens per centimeter.
[5] Fecal coliform is reported in units of Most Probable Number (MPN) per 100 milliliters.
[6] 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)[7]	(mg/L)
03/26/24	Ammonia as Nitrogen	SM 4500 NH3 HG	0.20	12
03/26/24	Ammonia as Nitrogen	SM 4500 NH3 HG	0.20	12
03/26/24	Total Kjeldahl Nitrogen	EPA 351.2	1.2	16
03/26/24	Total Kjeldahl Nitrogen	EPA 351.2	1.2	15
03/26/24	Total Phosphorus	SM 4500-P BE	0.25	2.2
03/26/24	Total Phosphorus	SM 4500-P BE	0.25	2.2
03/26/24	Total Suspended Solids	SM 2540 D	1.0	25
03/26/24	BOD[8]	SM 5210 B	5.0	23
03/26/24	BOD	SM 5210 B	5.0	19
03/26/24	Arsenic	EPA 200.8	0.001	0.0075
03/26/24	Arsenic	EPA 200.8	0.001	0.0073
03/26/24	Selenium	EPA 200.8	0.0005	0.0041
03/26/24	Selenium	EPA 200.8	0.0005	0.0041

[7] The concentrations are reported in units of milligrams per liter.

[8] Biochemical Oxygen Demand.