

Colorado River Basin Regional Water Quality Control Board

NEW RIVER AT THE INTERNATIONAL BOUNDARY - CALEXICO, CALIFORNIA

APRIL 2019 WATER QUALITY DATA

FIELD MEASUREMENTS

DATE	TIME	TEMP	PH	D.O.	SPECIFIC CONDUCTIVITY
(MM/DD/YY)	(HH:MM)	(°C) ¹		(mg/L) ²	(μ S/cm) ³
04/23/19	09:37	21.9	7.7	4.91	5,178

FIELD OBSERVATIONS

04/23/19 09:37- Ambient air temperature 83 °F. Water color is green/brown. Sky clear. Wind North 12 miles per hour. No foam. Light odor.

NOTES- Higher than normal water level, the appearance of water is not "septic".

BACTERIAL ANALYSIS

IMPERIAL VALLEY ENVIRONMENTAL LABORATORIES IN CALEXICO, CA

DATE	TIME	FECAL COLIFORM
(MM/DD/YY)	(HH:MM)	(MPN/100 ML) ⁴
04/23/19	09:50	160,000 ⁵

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

² Dissolved oxygen (DO) 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 ml.

⁵ A simple average of two sample results.

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CHEMICAL ANALYSIS

DELTA ENVIRONMENTAL LABORATORIES IN BENICIA, CA

DATE	CONSTITUENT	METHOD	REPORTING LIMIT	CONCENTRATION (mg/L) ⁶
04/23/19	Ammonia as N	SM 4500 NH3 D	0.820	8.83 ⁷
04/23/19	Total Kjeldahl N	EPA 351.2	0.08	ND ^{7,8}
04/23/19	Total Phosphorus	EPA 365.1 M	0.320	0.96 ⁷
04/23/19	Total Suspended Solids	SM 2540 D	1.0	28
04/23/19	BOD ⁹	SM 5210 B	2.0	61.2 ⁷
04/23/19	Arsenic	EPA 200.7	0.002	0.013 ⁷
04/23/19	Selenium	EPA 200.7	0.0002	0.010 ⁷

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

⁷ A simple average of two sample results.

⁸ Sample result is below the method detection limit.

⁹ Biochemical Oxygen Demand.