

Colorado River Basin Regional Water Quality Control Board

NEW RIVER AT THE INTERNATIONAL BOUNDARY - CALEXICO, CALIFORNIA

MARCH 2019 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
03/06/19	09:00	18	7.7	4.87	4,764
03/27/19	10:18	20	7.7	4.38	4,804

FIELD OBSERVATIONS

03/06/19 09:00- Water color is brown/green. Sky clear. Wind 6 to 7 miles per hour. No foam. No odor.

03/27/19 10:18- Water color is brown. Sky is cloudy. Wind 3 miles per hour. Little foam balls. No odor.

BACTERIAL ANALYSIS

IMPERIAL VALLEY ENVIRONMENTAL LABORATORIES IN CALEXICO, CA

DATE	TIME	FECAL COLIFORM
(MM/DD/YY)	(HH:MM)	(MPN/100 ML) ⁴
03/06/19	09:51	23,000 ⁵
03/27/19	10:33	29,000 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
03/06/19	Ammonia as N	SM 4500 NH3 D	0.04	4.96 ⁷
03/27/19	Ammonia as N	SM 4500 NH3 D	0.08	6.26 ⁷
03/06/19	Total Kjeldahl N	EPA 351.2	0.08	10.8 ⁷
03/27/19	Total Kjeldahl N	EPA 351.2	0.08	8.03
03/06/19	Total Phosphorus	EPA 365.1 M	0.03	1.72 ⁷
03/27/19	Total Phosphorus	EPA 365.1 M	0.03	1.01 ⁷
03/06/19	Total Suspended Solids	SM 2540 D	1.0	37
03/27/19	Total Suspended Solids	SM 2540 D	1.0	58
03/06/19	BOD ⁸	SM 5210 B	2.0	31.9 ⁷
03/27/19	BOD	SM 5210 B	2.0	14.3 ⁷
03/06/19	Arsenic	EPA 200.7	0.002	0.006 ⁷
03/27/19	Arsenic	EPA 200.7	0.002	0.002 ⁷
03/06/19	Selenium	EPA 200.7	0.0002	0.002 ⁷
03/27/19	Selenium	EPA 200.7	0.0002	0.005 ⁷

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

⁷ A simple average of two sample results.

⁸ Biochemical Oxygen Demand.