

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
COLORADO RIVER BASIN REGION

NEW RIVER @ THE INTERNATIONAL BOUNDARY - CALEXICO, CALIFORNIA
 DECEMBER 2016 WATER QUALITY DATA

Field Measurements:

DATE	TIME	TEMP	PH	DO	SPECIFIC CONDUCTIVITY
(MM/DD/YY)	(HH:MM)	(°C) ¹		(mg/l) ²	(µS/cm) ³
12/07/16	9:52	13.71	-- ⁴	7.75	4760

Field Observations:

12/07/16 09:52- Water color is olive green. Sky blue partly cloudy. Windy 20 mph. Little foam. No odor detected. Initial %D.O 98.06. Final %D.O. 99.07.

Bacterial Analysis:

DATE	TIME	FECAL ⁵ COLIFORM
(MM/DD/YY)	(HH:MM)	(#/100 ML) ⁶
12/07/16	09:52	18,000 ⁷

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 The pH was not reported, did not have suitable standards to calibrate.

⁵ Bacteria samples delivered to Imperial Valley Environmental Laboratory (Calexico, CA) for analysis (SM 9221C,E).

⁶ Fecal coliform is reported in units of Most Probable Number (MPN) per 100 ml.

⁷ A simple average of two sample results.

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Sample Analysis:

IMPERIAL VALLEY ENVIRONMENTAL LABORATORY CALEXICO, CA			12/07/16
CONSTITUENT	METHOD	REPORTING LIMIT	CONCENTRATION (MG/L) ⁸
Ammonia (as Nitrogen)	SM4500NH3BC	0.56	1.68
Oxygen Dissolved	SM 4500 OG	1.0	7.64
pH	SM 4500HB	0.5	7.60 ⁹
Specific Conductance	SM 2510B	15.0	4390.0
Total Kjeldahl Nitrogen	SM4500org A,C	0.56	5.60
Total Suspended Solids	SM2540D	5.0	28.8
Total Phosphorus	SM4500PB5E	0.1	2.14
BOD ¹⁰	SM 5210B	4.0	17.82 ¹¹

⁸ The concentrations are reported in units of milligrams per liter except where noted.

⁹ In pH units.

¹⁰ Biochemical Oxygen Demand.

¹¹ A simple average of two sample results.