

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
COLORADO RIVER BASIN REGION

NEW RIVER @ THE INTERNATIONAL BOUNDARY - CALEXICO, CALIFORNIA
 AUGUST 2017 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
08/16/17	10:08	27.77	-- ⁴	3.08	5626

Field Observations:

8/16/17 10:08- Water color is olive green. Sky blue. Wind calm. No foam balls. No odor. Initial %D.O 99.8. Final %D.O. 100.

NOTES: Water level about two feet below normal. Color is olive greenish. No foam, No odor. Almost calm wind. Sky blue. Ambient temp. is 90 F. No floating trash.

Bacterial Analysis:

DATE	TIME	FECAL ⁵ COLIFORM
(MM/DD/YY)	(HH:MM)	(MPN/100 ML) ⁶
08/16/17	10:08	40,000 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			08/16/17
CONSTITUENT	METHOD	REPORTING LIMIT	CONCENTRATION (MG/L) ⁸
Ammonia (as Nitrogen)	SM4500NH3BC	0.56	1.68
pH	SM 4500HB	0.5	7.78 ⁹
Oxygen, dissolved	SM 4500 OG	1.0	5.54
Conductivity	SM 2510B	15.0	5860
Total Kjeldahl Nitrogen	SM4500org A,C	0.56	6.16
Total Suspended Solids	SM2540D	5.0	52.2
Total Phosphorus	SM4500PB5E	0.1	3.52
BOD ¹⁰	SM 5210B	2.0	15 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.