

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
COLORADO RIVER BASIN REGION

NEW RIVER @ THE INTERNATIONAL BOUNDARY - CALEXICO, CALIFORNIA
 JANUARY- JUNE 2013 WATER QUALITY DATA

Field Measurements:

DATE	TIME	TEMP	PH	DO	EC	TURBIDITY
(MM/DD/YY)	(HH:MM)	(°C) ¹		(mg/l) ²	(umhos/cm) ³	(NTU) ^{4,5}
01/30/13	10:10					
03/28/13	11:06					
06/11/13	10:40	26.90	7.60	3.85		

Field Observations:

01/30/13 10:10- Water color brown. No foam. Slight sewage odor. Sky clear. No wind. Ambient air temperature ≈80 °F.
 03/28/13 11:06- Water color brown green. No Foam. Clear sky. Ambient air temperature 78 °F.
 06/11/13 10:50- Water color green. No foam. No odor. Sky clear. Slight breeze. Ambient air temperature ≈90 °F. Initial %D.O. 99.9. Final %D.O. 100.5.

Bacterial Analysis:

DATE	TIME	ANALYSIS METHOD ⁶	E. COLI
(MM/DD/YY)	(HH:MM)		(MPN/100ml) ^{7,8}
01/30/13	10:18	Multiple Tube Fermentation	92,080
03/28/13	12:10	Multiple Tube Fermentation	100
06/11/13	10:40	Multiple Tube Fermentation	5460

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

² Dissolved Oxygen (DO) is reported in units of milligrams per liter.

³ Electrical Conductivity (EC) is reported in units of micromhos per centimeter.

⁴ Turbidity measurements taken in the field.

⁵ Turbidity is reported in units of nephelometer turbidity units (NTUs).

⁶ Bacterial analysis completed by Imperial Valley Environmental Laboratory in Calexico, CA.

⁷ Fecal coliform analysis was not requested.

⁸ Escherichia coli (E. coli) density is reported in units of Most Probable Number (MPN) per 100 milliliters.

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IMPERIAL VALLEY ENVIRONMENTAL LAB ⁹				CONCENTRATION (ug/l) ¹⁰		
CONSTITUENT	STORET CODE	US EPA METHOD	REPORTING LIMIT	JAN 2013	MAR 2013	JUNE 2013
As-Arsenic	1002	200.8	20			ND ¹¹
Cd-Cadmium	1027	200.8	10			ND
Cr-Chromium	1034	200.8	10			ND
Cu-Copper	1042	200.9	100			ND
Pb-Lead	1051	200.8	10			ND
Se-Selenium	1147	200.8	5	ND	ND	ND
Zn-Zinc	1092	200.8	15			ND
Hg-Mercury	71900	200.8	0.20			ND

⁹ Samples submitted to Imperial Valley Environmental Laboratory in Calexico, CA for analysis.

¹⁰ Micrograms per liter (ug/l).

¹¹ The concentration is reported as less than the analytical Reporting Limit (RL).