

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
COLORADO RIVER BASIN REGION

NEW RIVER @ THE INTERNATIONAL BOUNDARY - CALEXICO, CALIFORNIA
 JUNE- AUGUST 2009 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}
06/02/09	09:15	27.03	7.66	4.58	6684	32.1
07/21/09	09:00	31.65	7.73	3.66	6945	22.6
08/26/09	09:00	30.13	8.00	3.64	6598	23.7

Field Observations:

06/02/09 09:15- Water color olive green. No Foam. No Odor. Overcast. Slight breeze N-NW. Ambient air temperature 88 °F. Initial %D.O. 100.4. Final %D.O. 98.5.

07/21/09 09:00- Water color bright green. No Foam. No Odor. Clear sky. No wind. Ambient air temperature 85 °F. Initial %D.O. 100.3. Final %D.O. 100.0.

08/26/09 09:00- Water color green. No Foam. No Odor. Clear sky. Slight breeze. Ambient air temperature 78 °F. Initial %D.O. 100.6. Final %D.O. 101.0.

Bacterial Analysis:

DATE	TIME	ANALYSIS METHOD ⁶	E. COLI
(MM/DD/YY)	(HH:MM)		(MPN/100ml) ^{7,8}
06/02/09	09:15	Multiple Tube Fermentation	3,760
07/21/09	09:00	Multiple Tube Fermentation	7,600
08/26/09	09:00	Multiple Tube Fermentation	690,000

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 Regional Water Quality Control Board Region 7 Laboratory in Palm Desert, CA.

⁷ Fecal coliform analysis was not requested to be analyzed, or was requested for analysis but not analyzed/reported.

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