# 50094410 RIO NIGUA AT CANAL DE PATILLAS, ARROYO, PR

RIO NIGUA BASIN

LOCATION.--Lat 17°59'26.0", long 66°03'50.6" referenced to North American Datum of 1927, Arroyo Municipio, PR, Hydrologic Unit 21010004.

## WATER-QUALITY RECORDS

REMARKS.--Part of Water-Quality Synoptic survey at streams in the southeast, south, and western areas of Puerto Rico during Water Year 2011.

### WATER-QUALITY DATA
### WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011

Part 1 of 2

[MF, membrane filter; N, nitrogen; NTRU, nephelometric turbidity ratio unit; P, phosphorus; col/100 mL, colonies per 100 milliliters; ft³/s, cubic feet per second; mg/L, milligrams per liter; nm, nanometers; °C, degrees Celsius; µS/cm, microsiemens per centimeter; <, less than; E, estimated]

| Date | Sample start time | Discharge, instanta-neous, ft³/s (00061) | Dissolved oxygen, water, unfiltered, mg/L (00300) | pH, water, unfiltered, field, standard units (00400) | Specific conduc-tance, water, unfiltered, µS/cm at 25 °C (00095) | Tempera-ture, water, °C (00010) | Turbidity, water, unfiltered, broad band light source (400-680 nm), detectors at multiple angles including 90 +/- 30 degrees, ratiometric correction, NTRU (63676) | Hydrogen ion, water, unfiltered, calculated, mg/L (00191) | Ammonia, water, unfiltered, mg/L as N (00610) |
|---|---|---|---|---|---|---|---|---|---|
| 10-19-2010 | 0820 | 6.6 | 8.9 | 7.8 | 425 | 27.1 | < 2.0 | .00002 | < .02 |

### WATER-QUALITY DATA
### WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011

Part 2 of 2

[MF, membrane filter; N, nitrogen; NTRU, nephelometric turbidity ratio unit; P, phosphorus; col/100 mL, colonies per 100 milliliters; ft³/s, cubic feet per second; mg/L, milligrams per liter; nm, nanometers; °C, degrees Celsius; µS/cm, microsiemens per centimeter; <, less than; E, estimated]

| Date | Sample start time | Nitrate plus nitrite, water, filtered, mg/L as N (00631) | Nitrite, water, filtered, mg/L as N (00613) | Phosphorus, water, unfiltered, mg/L as P (00665) | Total nitrogen, water, unfiltered, analytically determined, mg/L (62855) | Fecal coliform, M-FC MF (0.7 micron ) method, water, col/100 mL (31625) | Total coliform, M-Endo MF method, immediate, water, col/100 mL (31501) | Methylene blue active sub-stances, water, unfiltered, recover-able, mg/L (38260) |
|---|---|---|---|---|---|---|---|---|
| 10-19-2010 | 0820 | .59 | .002 | .040 | .68 | E 30 | E 80,000 | < .05 |



Suggested citation: U.S. Geological Survey, 2012, Water-resources data for the United States, Water Year 2011: U.S. Geological Survey Water-Data Report WDR-US-2011, site 50094410, accessed at http://wdr.water.usgs.gov/wy2011/pdfs/50094410.2011.pdf