



Water-Data Report 2011

50097500 RIO SECO AT VILLODAS, GUAYAMA, PR

RIO SECO BASIN

LOCATION.--Lat 17°58'43.7", long 66°10'39.3" referenced to North American Datum of 1927, Guayama 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; M, presence verified but not quantified]

Date	Sample start time	Discharge, instantaneous, ft ³ /s (00061)	Dissolved oxygen, water, unfiltered, mg/L (00300)	pH, water, unfiltered, field, standard units (00400)	Specific conductance, water, unfiltered, µS/cm at 25 °C (00095)	Temperature, 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)
10-18-2010	1035	16	7.3	8.4	484	26.5	22	M	< .02
03-21-2011	0810	.14	3.6	7.3	857	23.1	< 2.0	.00005	< .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; M, presence verified but not quantified]

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 substances, water, unfiltered, recoverable, mg/L (38260)
10-18-2010	1035	.66	.003	.045	.89	E 650	4,400	< .05
03-21-2011	0810	1.19	.054	.040	1.35	6,500	40,000	< .05