Water-Data Report 2012

50147600 RIO CULEBRINAS NEAR SAN SEBASTIAN, PR

RIO CULEBRINAS BASIN

LOCATION.--Lat 18°20′51″, long 67°02′40″ referenced to North American Datum of 1927, San Sebastián Municipio, PR, Hydrologic Unit 21010003, at bridge on State Road 423, 1.3 mi (2.1 km) south of Quebrada El Salto Bridge on State Road 111, and 2.1 mi (3.4 km) west of Central La Plata.

DRAINAGE AREA.--58.2 mi^2, (150.7 km^2).

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1979 to current year.

REMARKS.--Part of Water-Quality Synoptic survey at streams in the Río Culebrinas Basin during Water Years 2007 and 2010.

WATER-QUALITY DATA
WATER YEAR OCTOBER 2011 TO SEPTEMBER 2012

Part 1 of 4

[MF, membrane filter; N, nitrogen; NTRU, nephelometric turbidity ratio unit; P, phosphorus; col/100 mL, colonies per 100 milliliters; ft^3/s, cubic feet per second; mg/L, milligrams per liter; ng/L, nanograms per liter; nm, nanometers; °C, degrees Celsius; µS/cm, microsiemens per centimeter; µg/L, micrograms per liter; --, no data; <, less than; E, estimated]

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)	Calcium, water, unfiltered, recoverable, mg/L (00916)	Magnesium, water, unfiltered, recoverable, mg/L (00927)
11-08-2011	**1225**	168	8.0	7.9	330	24.6	42	--	--
02-07-2012	**1430**	29	10.2	8.2	316	25.3	E 2.51	36.8	5.28
05-08-2012	**1405**	107	8.4	8.0	313	26.4	E 13	--	--
08-29-2012	**0825**	70	8.1	7.7	336	24.7	E 5.6	45.7	5.77

Suggested citation: U.S. Geological Survey, 2013, Water-resources data for the United States, Water Year 2012: U.S. Geological Survey Water-Data Report WDR-US-2012, site 50147600, accessed at http://wdr.water.usgs.gov/wy2012/pdfs/50147600.2012.pdf

50147600 RIO CULEBRINAS NEAR SAN SEBASTIAN, PR—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2011 TO SEPTEMBER 2012
Part 2 of 4

[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; ng/L, nanograms per liter; nm, nanometers; °C, degrees Celsius; µS/cm, microsiemens per centimeter; µg/L, micrograms per liter; --, no data; <, less than; E, estimated]

Date	Sample start time	Hydrogen ion, water, unfiltered, calcu-lated, mg/L (00191)	Ammonia, water, unfiltered, mg/L as N (00610)	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)
11-08-2011	**1225**	0.00001	0.03	0.873	0.006	0.104	1.16	2,300	43,000
02-07-2012	**1430**	.00001	.04	1.26	.006	.180	1.49	84	300
05-08-2012	**1405**	.00001	.02	.804	.005	.062	.98	760	7,600
08-29-2012	**0825**	.00002	< .02	.859	.022	.081	1.04	470	3,100

WATER-QUALITY DATA
WATER YEAR OCTOBER 2011 TO SEPTEMBER 2012
Part 3 of 4

[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; ng/L, nanograms per liter; nm, nanometers; °C, degrees Celsius; µS/cm, microsiemens per centimeter; µg/L, micrograms per liter; --, no data; <, less than; E, estimated]

Date	Sample start time	Cadmium, water, unfiltered, µg/L (01027)	Chromium, water, unfiltered, recover-able, µg/L (01034)	Copper, water, unfiltered, recover-able, µg/L (01042)	Lead, water, unfiltered, recover-able, µg/L (01051)	Mercury, water, unfiltered, ng/L (50286)	Zinc, water, filtered, µg/L (01090)	Arsenic, water, unfiltered, µg/L (01002)	Cyanide, water, unfiltered, milligrams per liter (00720)	Selenium, water, unfiltered, µg/L (01147)
11-08-2011	**1225**	--	--	--	--	--	--	--	--	--
02-07-2012	**1430**	< .016	< .6	1.5	.04	1.02	< 1.4	1.3	< .0050	.077
05-08-2012	**1405**	--	--	--	--	--	--	--	--	--
08-29-2012	**0825**	< .016	< .6	.92	.07	1.16	< 1.4	.97	< .0050	.077

50147600 RIO CULEBRINAS NEAR SAN SEBASTIAN, PR—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2011 TO SEPTEMBER 2012

Part 4 of 4

[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; ng/L, nanograms per liter; nm, nanometers; °C, degrees Celsius; µS/cm, microsiemens per centimeter; µg/L, micrograms per liter; --, no data; <, less than; E, estimated]

Date	Sample start time	Methylene blue active substances, water, unfiltered, recoverable, mg/L (38260)
11-08-2011	**1225**	--
02-07-2012	**1430**	< .050
05-08-2012	**1405**	--
08-29-2012	**0825**	< .050