50093075 CANAL DE RIEGO DE PATILLAS ABOVE GUAYAMA FILTRATION PLANT, PR

CANAL DE RIEGO DE PATILLAS BASIN

LOCATION.--Lat 17°58′57″, long 66°06′04″ referenced to North American Datum of 1927, Guayama Municipio, PR, Hydrologic Unit 21010004, 0.85 mi (1.37 km) southeast from Guayama plaza church, 1.8 mi (2.9 km) north-northeast from Central Machete and 2.85 mi (4.58 km) northwest from Arroyo town church.

DRAINAGE AREA.--Undetermined.

SURFACE-WATER RECORDS

PERIOD OF RECORD.--February 2003 to current year.

GAGE.--Water-stage recorder, satellite telemetry at station. Elevation of gage is about 98 ft (30 m) from topographic map.

REMARKS.--Records good. Controlled by Lago Patillas dam.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, undetermined, September 21, 2008, gage height 4.63 ft (1.41 m); minimum daily discharge, 11.2 ft^3/s (0.317 m^3/s), August 23, 2012.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, undetermined, November 04, gage height 3.40 ft (1.04 m); minimum daily discharge, 7.12 ft^3/s (0.201 m^3/s), August 23.

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DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2011 TO SEPTEMBER 2012
DAILY MEAN VALUES
[>, greater than]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	18.9	20.3	22.3	20.9	22.6	17.2	22.4	23.6	23.3	20.5	17.3	15.3
2	19.0	21.2	22.3	21.9	21.7	16.2	22.5	23.4	23.5	20.4	17.9	15.3
3	19.7	20.6	22.2	21.8	21.6	16.1	22.3	24.0	23.5	19.1	18.4	15.4
4	20.3	>24.6	22.1	20.9	21.2	16.4	20.9	24.6	23.6	19.9	20.7	14.7
5	21.0	21.0	23.5	21.7	21.9	16.6	21.1	24.5	19.5	21.3	18.5	13.7
6	31.1	21.8	24.4	21.9	22.4	16.1	21.3	24.9	21.6	20.2	17.8	14.8
7	20.7	21.5	24.4	22.0	20.6	16.2	20.8	24.5	22.1	20.2	17.7	17.2
8	23.0	21.4	23.7	22.1	16.2	15.8	20.5	22.7	21.9	20.6	19.3	17.4
9	20.9	20.7	20.8	22.2	21.5	16.5	20.6	22.1	21.3	22.2	18.7	17.6
10	20.6	23.5	21.5	22.4	21.6	16.8	20.4	22.6	21.5	22.0	18.8	17.9
11	20.7	21.4	26.4	22.7	19.0	18.1	18.9	22.3	21.7	22.4	18.7	17.6
12	21.3	17.9	24.5	22.5	15.0	17.7	18.7	22.0	21.8	22.8	19.1	16.9
13	22.3	17.7	18.5	19.8	17.2	16.5	20.4	21.9	21.9	21.9	19.0	16.3
14	21.7	19.0	18.7	18.4	21.4	16.0	21.6	21.2	21.8	20.3	18.8	16.3
15	21.6	22.2	18.9	18.6	20.7	16.4	21.7	21.1	22.2	20.8	18.6	16.7
16	21.1	20.2	19.1	19.3	20.2	16.2	21.7	20.7	22.5	20.5	18.6	17.2
17	21.0	20.4	18.9	18.4	18.0	16.3	21.1	21.6	22.7	19.5	17.9	16.8
18	21.2	20.8	18.9	17.7	18.1	16.8	19.5	23.8	23.0	17.4	17.0	16.4
19	20.9	20.7	18.3	16.8	18.2	16.5	19.5	22.6	22.8	18.3	16.9	16.2
20	20.4	20.7	18.1	16.4	18.5	16.2	19.1	22.2	23.1	20.4	16.5	16.0
21	19.2	21.3	18.9	16.3	18.5	15.4	19.2	21.4	23.2	23.4	16.6	16.4
22	20.3	21.0	18.8	16.7	17.6	15.0	20.9	23.3	22.1	21.6	15.6	16.4
23	20.4	21.0	19.1	16.4	17.5	15.9	19.7	23.0	21.5	20.7	11.2	16.3
24	20.6	20.9	18.9	19.2	17.7	17.6	17.9	23.1	21.3	21.1	23.5	16.4
25	23.1	21.0	19.0	27.4	17.9	18.1	18.0	23.3	21.2	22.2	16.8	16.3
26	22.3	20.8	19.1	31.4	18.2	17.0	18.7	23.3	22.0	22.0	16.1	15.8
27	22.4	20.8	18.7	25.3	17.9	16.1	17.0	23.4	21.5	22.1	15.3	17.7
28	23.4	21.0	18.4	24.5	16.8	17.0	23.2	23.5	20.4	22.0	15.8	18.9
29	20.7	21.0	16.3	24.9	15.9	19.5	23.5	23.3	20.1	21.6	16.3	20.3
30	20.2	22.1	16.6	24.8	---	20.6	23.8	23.4	20.5	18.8	16.3	20.0
31	20.9	---	22.0	23.3	---	23.0	---	23.1	---	20.5	16.2	---
Total	660.9	628.5	633.3	658.6	555.6	525.8	616.9	710.4	659.1	646.7	545.9	500.2
Mean	21.3	20.9	20.4	21.2	19.2	17.0	20.6	22.9	22.0	20.9	17.6	16.7
Max	31.1	24.6	26.4	31.4	22.6	23.0	23.8	24.9	23.6	23.4	23.5	20.3
Min	18.9	17.7	16.3	16.3	15.0	15.0	17.0	20.7	19.5	17.4	11.2	13.7
Ac-ft	1,310	1,250	1,260	1,310	1,100	1,040	1,220	1,410	1,310	1,280	1,080	992

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2003 - 2012, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	19.6	18.4	19.1	18.4	17.9	17.3	18.4	19.3	19.1	19.2	19.4	18.4
Max	23.3	21.6	22.4	21.6	21.7	20.4	22.0	22.9	22.0	20.9	22.6	21.9
(WY)	(2011)	(2011)	(2007)	(2007)	(2005)	(2005)	(2010)	(2012)	(2012)	(2012)	(2011)	(2006)
Min	16.9	11.9	12.8	14.6	14.1	15.6	15.0	14.3	15.2	17.0	16.0	16.2
(WY)	(2004)	(2009)	(2009)	(2009)	(2011)	(2011)	(2011)	(2003)	(2003)	(2003)	(2003)	(2003)

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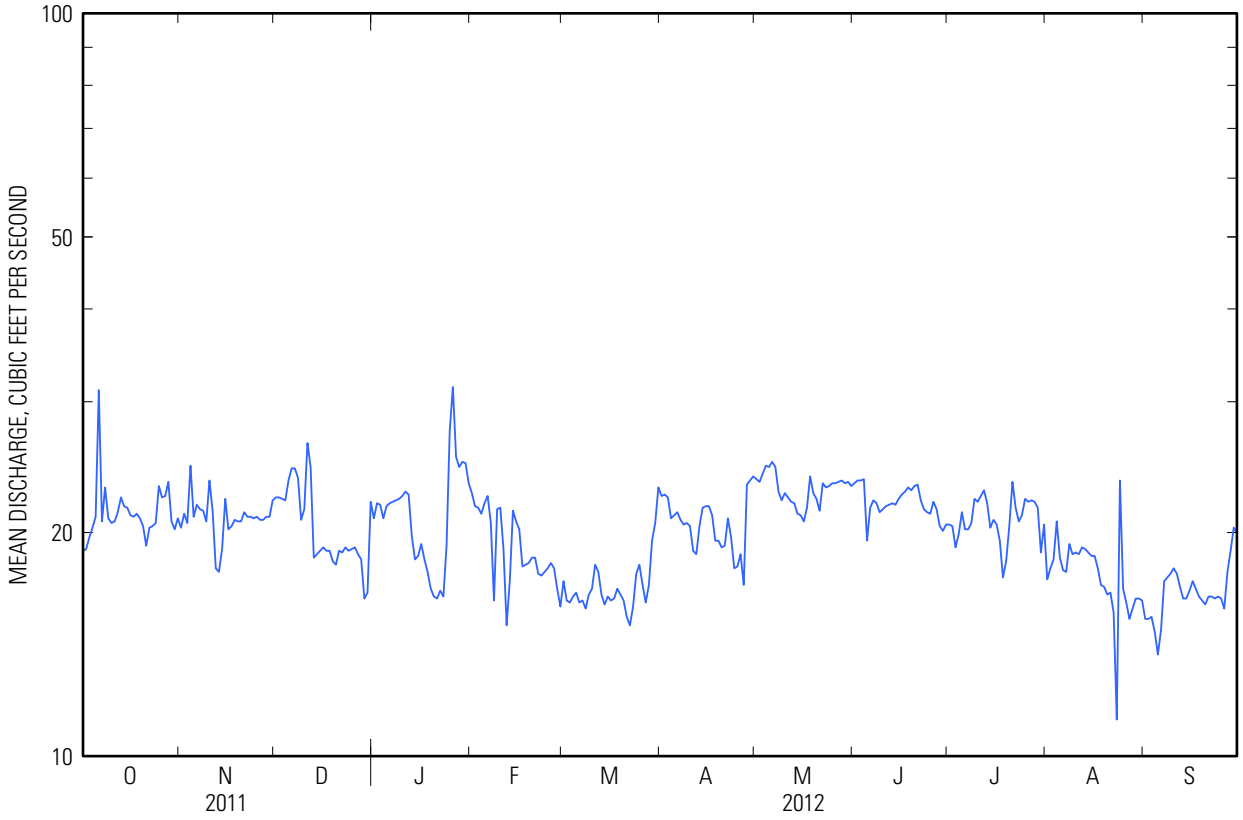
SUMMARY STATISTICS

	Water Year 2012		Water Years 2003 - 2012	
Annual total	7,341.9			
Annual mean	20.1		18.9	
Highest annual mean			20.1	2012
Lowest annual mean			18.0	2004
Highest daily mean	31.4	Jan 26	50.0	May 17, 2005
Lowest daily mean	11.2	Aug 23	7.95	Sep 1, 2009
Annual seven-day minimum	15.1	Aug 31	11.4	Nov 19, 2008
Maximum peak stage	3.40	Nov 4	4.63	Sep 21, 2008
Annual runoff (ac-ft)	14,560		13,720	
10 percent exceeds	23.3		22.2	
50 percent exceeds	20.5		18.7	
90 percent exceeds	16.3		15.8