50128935 CANAL PRINCIPAL DE RIEGO DEL VALLE DE LAJAS ABOVE LAJAS FILTRATION PLANT AT LAJAS, PR

CANAL PRINCIPAL DE RIEGO DEL VALLE DE LAJAS BASIN

LOCATION.--Lat 18°02′44″, long 67°03′17″ referenced to North American Datum of 1927, Lajas Municipio, PR, Hydrologic Unit 21010004, on upstream side of Lajas filtration plant intake, 2.8 mi (4.4 km) south of San Germán plaza, 2.6 mi (4.2 km) east of Cerro Quemado, 1.5 mi (2.4 km) northeast of Universidad de Puerto Rico, Estación Experimental Agrícola, and 0.6 mi (0.96 km) northwest from Lajas plaza.

SURFACE-WATER RECORDS

PERIOD OF RECORD.--January 2001 to September 23, 2009, (discontinued).

GAGE.--Water-stage recorder, satellite telemetry at station. Elevation of gage is 131.2 ft (40 m) above NGVD 1929, from topographic map.

REMARKS.--Records poor.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, undetermined, September 22, 2008, gage height, 4.32 ft (1.317 m) from rating curve extended above 100 ft^3/s (2.832 m^3/s) on basis of indirect measurements; no flow for many days each year.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 63.6 ft^3/s (1.801 m^3/s), September 5, gage height, 3.38 ft (1.030 m) from rating curve extended above 100 ft^3/s (2.832 m^3/s) on basis of indirect measurements; minimum daily discharge, no flow, February 4.

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DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009
DAILY MEAN VALUES

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	9.96	7.67	13.3	17.1	11.9	18.8	21.9	16.5	6.22	26.5	16.0	8.07
2	9.26	9.86	0.363	15.4	11.8	16.0	24.1	19.8	8.41	18.8	16.8	14.2
3	11.9	7.55	2.82	12.7	0.608	17.0	23.9	19.7	11.2	23.6	10.5	17.0
4	10.7	8.99	11.6	12.9	0.000	16.8	23.5	16.2	12.4	21.4	13.4	14.1
5	15.6	7.81	10.7	13.9	13.9	17.9	25.1	12.7	12.3	23.8	11.6	33.3
6	15.0	12.8	10.4	19.1	21.0	20.2	22.0	22.5	8.13	22.4	17.3	14.2
7	11.2	11.3	10.6	18.1	19.2	12.9	19.0	14.7	8.72	19.2	20.3	12.4
8	12.6	9.25	10.9	17.5	19.2	13.3	16.6	8.79	8.22	16.5	16.6	12.2
9	9.86	9.71	12.5	16.4	20.4	9.96	17.4	7.95	15.8	16.8	18.3	11.7
10	11.2	8.84	9.51	11.4	16.9	14.1	17.0	9.12	10.4	19.4	15.2	11.0
11	12.1	12.6	10.7	12.5	17.0	15.4	17.6	8.59	11.7	19.2	18.7	12.2
12	11.7	6.90	11.6	13.5	17.3	14.8	17.8	12.1	14.2	22.0	16.1	10.5
13	12.1	0.738	11.5	15.0	17.2	14.4	17.5	12.2	16.7	19.3	13.8	10.3
14	12.1	19.8	12.1	15.2	13.2	12.6	19.3	11.0	18.0	17.9	15.2	9.09
15	10.7	10.1	11.3	12.3	13.8	13.7	21.0	10.5	15.0	18.0	7.29	11.3
16	6.52	9.58	10.1	14.6	15.2	13.5	17.1	11.1	16.9	16.0	6.43	12.9
17	9.73	9.14	11.2	10.1	12.6	18.5	15.8	9.90	25.1	13.7	7.99	11.8
18	9.20	13.7	11.4	10.3	13.7	18.4	11.9	9.05	21.5	12.4	6.10	---
19	9.75	15.1	10.7	9.31	17.2	17.5	13.3	10.6	23.2	14.5	10.0	---
20	9.84	16.0	8.39	9.71	18.5	16.9	14.3	10.7	22.7	16.1	7.87	---
21	9.33	4.55	10.6	22.3	19.9	13.7	12.6	8.47	23.6	16.8	10.4	---
22	5.77	8.14	17.7	17.2	20.4	15.5	19.4	8.23	24.3	17.3	8.30	---
23	7.60	9.92	22.5	14.9	17.4	17.0	30.0	7.46	24.2	7.09	9.30	---
24	9.78	8.72	26.2	11.5	19.7	14.9	24.4	8.14	22.3	15.1	7.86	---
25	10.6	8.92	8.63	13.2	19.9	21.6	15.9	---	22.4	12.3	8.27	---
26	10.6	13.1	11.7	11.9	21.4	23.2	16.3	6.39	24.4	10.6	10.5	---
27	9.58	13.3	15.8	9.61	21.3	21.3	13.6	9.04	19.2	10.8	11.5	---
28	7.68	14.0	15.2	11.3	19.3	21.6	19.0	10.9	20.6	10.9	10.7	---
29	8.11	15.2	13.0	15.7	---	19.9	22.0	11.2	14.6	17.5	11.9	---
30	5.19	16.2	15.7	13.4	---	18.2	23.3	6.37	23.3	16.2	10.3	---
31	7.63	---	16.7	11.6	---	22.4	---	7.16	---	19.6	9.22	---
Total	312.89	319.488	375.413	429.63	449.908	521.96	572.6	---	505.70	531.69	373.73	---
Mean	10.1	10.6	12.1	13.9	16.1	16.8	19.1	---	16.9	17.2	12.1	---
Max	15.6	19.8	26.2	22.3	21.4	23.2	30.0	---	25.1	26.5	20.3	---
Min	5.19	0.738	0.363	9.31	0.000	9.96	11.9	---	6.22	7.09	6.10	---
Ac-ft	621	634	745	852	892	1,040	1,140	---	1,000	1,050	741	---

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2001 - 2009, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	14.7	14.9	15.7	16.8	20.2	22.3	19.1	17.2	17.3	18.2	12.4	13.0
Max	19.8	22.4	20.7	22.0	29.9	30.0	23.7	21.4	22.3	24.8	14.8	13.3
(WY)	(2006)	(2002)	(2003)	(2003)	(2005)	(2003)	(2005)	(2008)	(2008)	(2003)	(2008)	(2006)
Min	10.1	10.6	12.1	13.9	13.3	16.8	14.3	13.0	14.7	13.3	7.09	12.8
(WY)	(2009)	(2009)	(2009)	(2009)	(2006)	(2009)	(2003)	(2006)	(2005)	(2006)	(2002)	(2004)

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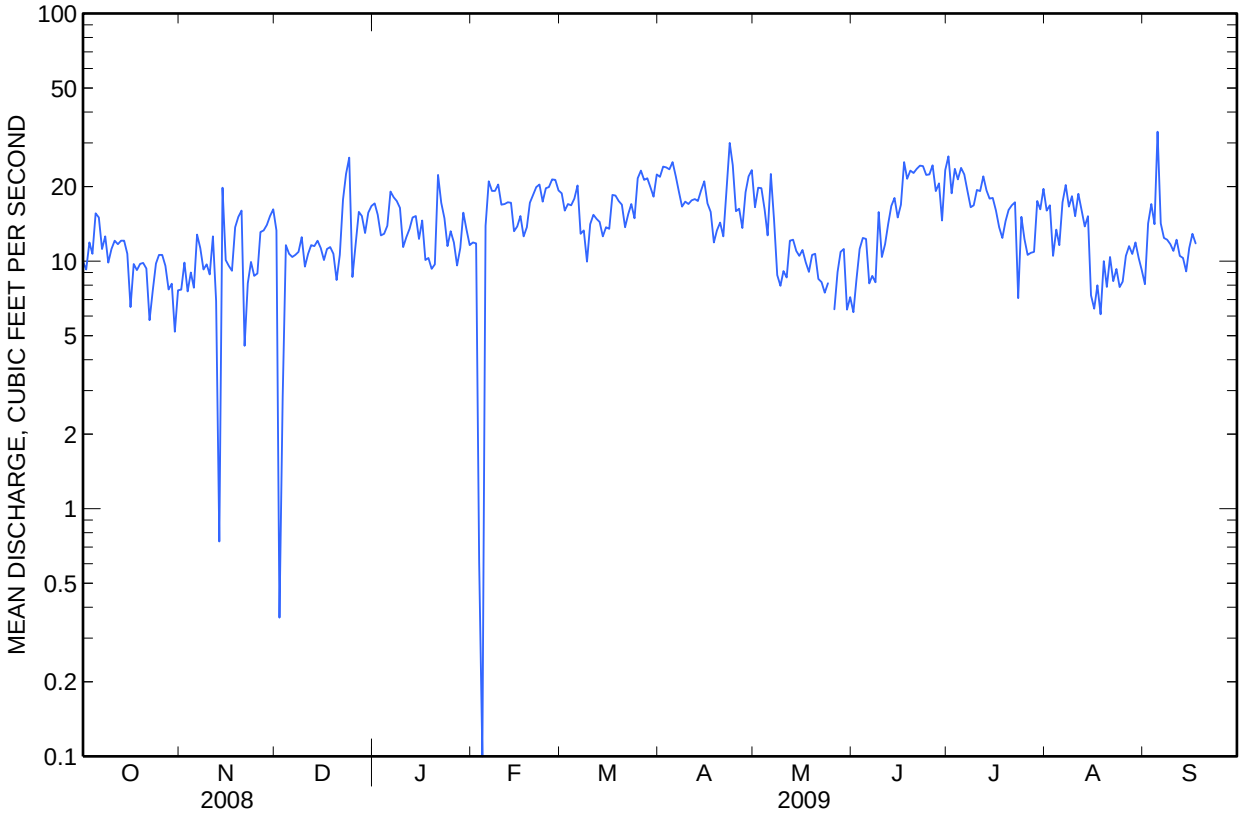
SUMMARY STATISTICS

	Water Years 2001 - 2009	
Highest daily mean	56.0	Sep 22, 2008
Lowest daily mean	0.000	Oct 23, 2002
Annual seven-day minimum	3.41	Aug 15, 2002
Maximum peak stage	4.10	Oct 23, 2005