

Water-Data Report 2007

**50021030 RIO PELLEJAS ABOVE CENTRAL PELLEJAS, PR**

RIO GRANDE DE ARECIBO BASIN

LOCATION.--Lat 18°12'17", long 66°42'13" referenced to North American Datum of 1927, Adjuntas Municipio, PR, Hydrologic Unit 21010002, 0.2 mi (0.3 km) southeast from Lucas Valdivieso School, 3 mi (4.8 km) north from Adjuntas Hospital and 2 mi (3.2 km) west from Lago Adjuntas.

DRAINAGE AREA.--6.87 mi<sup>2</sup> (17.79 km<sup>2</sup>).

**SURFACE-WATER RECORDS**

PERIOD OF RECORD.--May 2000 to January 2007, (discontinued).

GAGE.--Water-stage recorder, satellite telemetry at station. Elevation of gage is 1,148 ft (350 m), from topographic map.

REMARKS.--Records poor. Flow affected by Lago Adjuntas with tunnel system outflow about 0.4 mi (0.6 km) upstream gage.

## 50021030 RIO PELLEJAS ABOVE CENTRAL PELLEJAS, PR—Continued

**DISCHARGE, CUBIC FEET PER SECOND**  
**WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007**  
**DAILY MEAN VALUES**

[e, estimated]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	12	8.5	15	12	---	---	---	---	---	---	---	---
2	12	8.2	13	9.9	---	---	---	---	---	---	---	---
3	11	14	13	9.3	---	---	---	---	---	---	---	---
4	13	36	13	8.7	---	---	---	---	---	---	---	---
5	12	17	13	8.7	---	---	---	---	---	---	---	---
6	11	14	13	8.6	---	---	---	---	---	---	---	---
7	11	13	13	8.5	---	---	---	---	---	---	---	---
8	10	13	12	8.7	---	---	---	---	---	---	---	---
9	21	13	13	16	---	---	---	---	---	---	---	---
10	14	13	12	10	---	---	---	---	---	---	---	---
11	12	13	12	8.3	---	---	---	---	---	---	---	---
12	11	49	20	8.0	---	---	---	---	---	---	---	---
13	10	24	13	8.5	---	---	---	---	---	---	---	---
14	11	26	12	8.1	---	---	---	---	---	---	---	---
15	11	61	12	7.7	---	---	---	---	---	---	---	---
16	9.9	50	11	7.6	---	---	---	---	---	---	---	---
17	12	35	38	7.8	---	---	---	---	---	---	---	---
18	10	20	15	9.1	---	---	---	---	---	---	---	---
19	e17	17	12	9.4	---	---	---	---	---	---	---	---
20	11	15	11	7.9	---	---	---	---	---	---	---	---
21	9.5	15	11	7.6	---	---	---	---	---	---	---	---
22	9.5	14	11	7.5	---	---	---	---	---	---	---	---
23	9.0	15	11	7.5	---	---	---	---	---	---	---	---
24	8.7	16	11	7.3	---	---	---	---	---	---	---	---
25	8.6	15	10	7.2	---	---	---	---	---	---	---	---
26	8.8	14	10	7.2	---	---	---	---	---	---	---	---
27	36	46	10	7.1	---	---	---	---	---	---	---	---
28	11	18	10	7.0	---	---	---	---	---	---	---	---
29	9.4	e14	10	7.0	---	---	---	---	---	---	---	---
30	8.8	13	9.9	7.0	---	---	---	---	---	---	---	---
31	8.7	---	10	e6.8	---	---	---	---	---	---	---	---
<b>Total</b>	369.9	639.7	399.9	262.0	---	---	---	---	---	---	---	---
<b>Mean</b>	11.9	21.3	12.9	8.45	---	---	---	---	---	---	---	---
<b>Max</b>	36	61	38	16	---	---	---	---	---	---	---	---
<b>Min</b>	8.6	8.2	9.9	6.8	---	---	---	---	---	---	---	---
<b>Ac-ft</b>	734	1,270	793	520	---	---	---	---	---	---	---	---
<b>Cfsm</b>	1.74	3.10	1.88	1.23	---	---	---	---	---	---	---	---
<b>In.</b>	2.00	3.46	2.17	1.42	---	---	---	---	---	---	---	---

## STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2000 - 2007, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
<b>Mean</b>	47.2	38.9	25.6	19.4	18.0	17.2	20.6	24.7	24.7	24.3	26.8	39.7
<b>Max</b>	105	70.0	41.1	32.0	31.9	23.2	37.1	34.6	57.2	39.9	67.1	71.0
<b>(WY)</b>	(2006)	(2004)	(2003)	(2003)	(2003)	(2002)	(2002)	(2001)	(2000)	(2005)	(2005)	(2005)
<b>Min</b>	11.9	21.2	12.9	8.45	9.02	8.56	15.7	9.81	9.04	7.42	7.95	24.9
<b>(WY)</b>	(2007)	(2003)	(2007)	(2007)	(2006)	(2006)	(2006)	(2006)	(2006)	(2006)	(2006)	(2001)

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**SUMMARY STATISTICS**

	Calendar Year 2006		Water Years 2000 - 2007	
<b>Annual total</b>	4,727.4			
<b>Annual mean</b>	13.0		27.5	
<b>Highest annual mean</b>			35.7	2005
<b>Lowest annual mean</b>			21.8	2002
<b>Highest daily mean</b>	227	Sep 23	422	Oct 11, 2005
<b>Lowest daily mean</b>	5.1	Aug 13	5.1	Aug 13, 2006
<b>Annual seven-day minimum</b>	5.8	Aug 7	5.8	Aug 7, 2006
<b>Maximum peak flow</b>			4,740	Sep 16, 2005
<b>Maximum peak stage</b>			11.91	Sep 16, 2005
<b>Instantaneous low flow</b>			1.6	Mar 17, 2001
<b>Annual runoff (ac-ft)</b>	9,380		19,930	
<b>Annual runoff (cfsm)</b>	1.89		4.00	
<b>Annual runoff (inches)</b>	25.60		54.40	
<b>10 percent exceeds</b>	18		53	
<b>50 percent exceeds</b>	10		21	
<b>90 percent exceeds</b>	6.7		10	

