Water-Data Report 2012

08375300 Rio Grande at Boquillas Cpgd, Big Bnd NP, TX

Rio Grande-Amistad Basin
Big Bend Subbasin

LOCATION.--Lat 29°11′00″, long 102°58′30″ referenced to North American Datum of 1927, Brewster County, TX, Hydrologic Unit 13040205.

DRAINAGE AREA.--Not determined.

SURFACE-WATER RECORDS

PERIOD OF RECORD.--Aug. 2007 to current year.

GAGE.--Water-stage recorder. Datum of gage is 1,845.928 ft above NAVD of 1988. Gage located near pump house at Boquillas Cpgd, Big Bnd NP, TX. Satellite telemeter at station.

REMARKS.--Records good, except for estimated discharges which are poor. Since installation of gage in Aug. 2007, at least 10% of contributing drainage area has been regulated.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 7,520 ft^3/s, Sept. 30, gage height, 10.93 ft; minimum discharge, 35 ft^3/s, Nov. 8, 9, gage height, 3.77 ft.

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 08375300, accessed at http://wdr.water.usgs.gov/wy2012/pdfs/08375300.2012.pdf

08375300 Rio Grande at Boquillas Cpgd, Big Bnd NP, TX—Continued

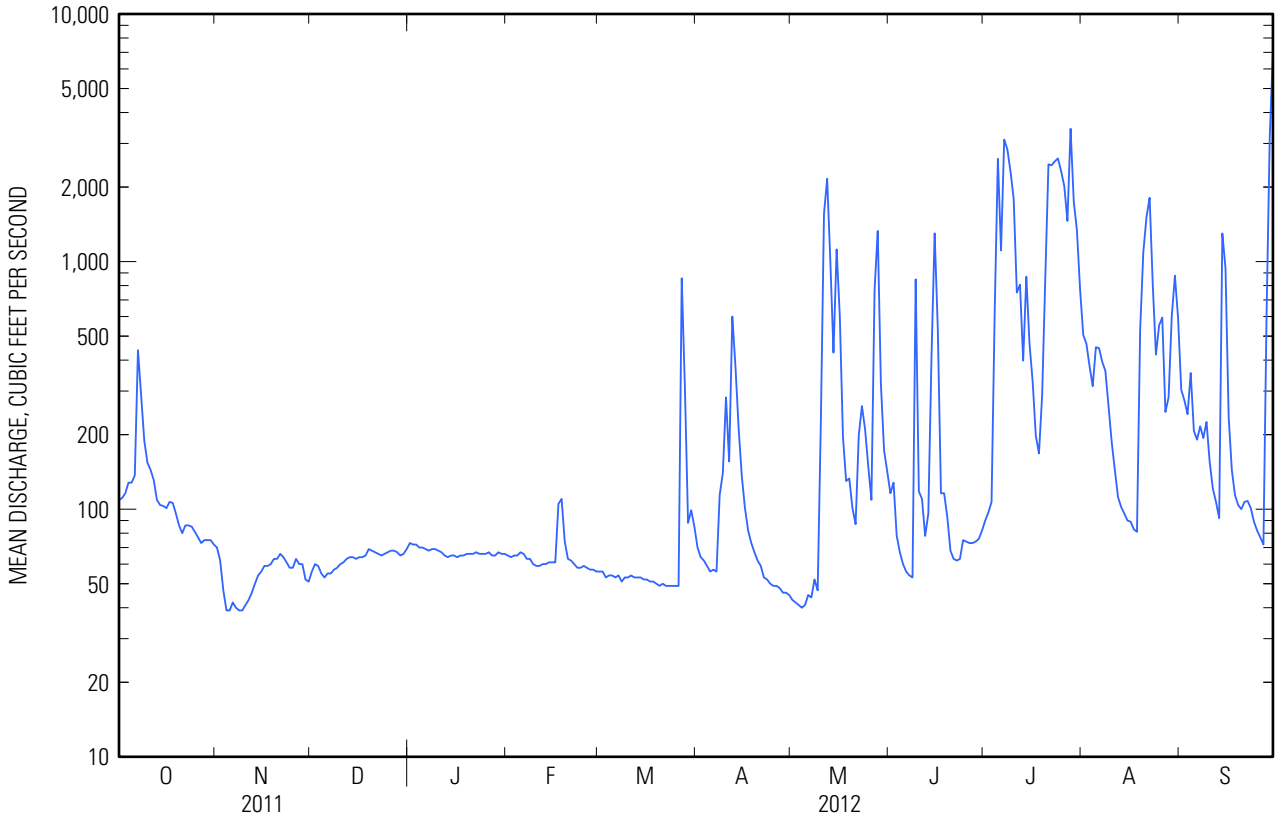
DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2011 TO SEPTEMBER 2012
DAILY MEAN VALUES
[e, estimated]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	109	70	56	73	65	56	70	43	116	90	506	304
2	111	e62	60	72	64	56	64	42	128	97	466	275
3	116	e47	59	72	65	53	62	41	78	107	378	242
4	128	39	55	70	65	54	59	40	67	635	314	355
5	128	39	53	70	67	54	56	41	60	2,600	451	207
6	137	42	55	69	66	53	57	45	56	1,110	447	191
7	439	40	55	68	63	54	56	44	54	3,110	394	216
8	288	39	57	69	63	51	114	52	53	2,840	362	194
9	189	39	58	69	60	53	140	47	848	e2,310	261	225
10	154	41	60	68	59	53	283	224	118	e1,790	187	155
11	144	43	61	67	59	54	156	1,560	110	750	144	121
12	131	46	63	65	60	53	600	2,160	78	807	112	107
13	109	50	64	64	60	53	376	1,010	96	398	102	92
14	104	54	64	65	61	53	212	429	410	869	96	1,300
15	103	56	63	65	61	52	136	1,120	1,300	467	90	940
16	101	59	64	64	61	52	101	603	534	328	89	236
17	107	e59	64	65	105	51	82	196	116	198	83	144
18	106	e60	65	65	110	51	73	130	116	168	81	114
19	96	e63	69	66	74	50	67	133	93	288	527	104
20	86	e63	68	66	63	49	62	101	68	860	1,090	100
21	80	e66	67	66	62	50	59	87	63	2,470	1,510	107
22	86	e64	66	67	60	49	53	199	62	2,450	1,810	108
23	86	e61	65	66	58	49	52	261	63	2,540	803	101
24	85	e58	66	66	58	49	50	210	75	2,610	421	89
25	81	e58	67	66	59	49	49	149	74	2,320	553	82
26	77	e63	68	67	58	49	49	109	73	2,020	594	77
27	73	e60	68	65	57	856	48	772	73	1,460	247	72
28	75	e60	67	65	57	310	46	1,330	74	3,440	283	622
29	75	e52	65	67	56	88	46	320	76	1,750	600	3,200
30	75	e51	66	66	---	99	45	173	82	1,340	877	7,020
31	e72	---	69	66	---	85	---	142	---	774	591	---
Mean	121	53.5	62.8	67.1	64.7	89.9	111	381	174	1,387	467	570
Max	439	70	69	73	110	856	600	2,160	1,300	3,440	1,810	7,020
Min	72	39	53	64	56	49	45	40	53	90	81	72

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2007 - 2012, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	2,279	488	269	235	327	193	187	346	480	741	670	4,108
Max	8,787	1,522	502	376	939	328	451	998	1,712	1,387	1,213	20,810
(WY)	(2009)	(2009)	(2009)	(2009)	(2010)	(2010)	(2010)	(2009)	(2009)	(2012)	(2008)	(2008)
Min	121	53.5	62.8	67.1	64.7	89.9	69.6	48.4	75.5	360	178	298
(WY)	(2012)	(2012)	(2012)	(2012)	(2012)	(2012)	(2011)	(2011)	(2011)	(2009)	(2011)	(2009)

08375300 Rio Grande at Boquillas Cpgd, Big Bnd NP, TX—Continued

SUMMARY STATISTICS

	Water Year 2012		Water Years 2007 - 2012	
Annual mean	298		913	
Highest annual mean			2,033	2008
Lowest annual mean			270	2011
Highest daily mean	7,020	Sep 30	48,800	Sep 21, 2008
Lowest daily mean	39	Nov 4	33	Jun 8, 2008
Annual seven-day minimum	40	Nov 4	36	Jul 4, 2011
Maximum peak flow	7,520	Sep 30	49,700	Sep 21, 2008
Maximum peak stage	10.93	Sep 30	24.69	Sep 21, 2008
10 percent exceeds	783		1,510	
50 percent exceeds	73		241	
90 percent exceeds	51		58