Water-Data Report 2013

02249007 EAU GALLIE RIVER AT HEATHER GLEN CIRCLE AT MELBOURNE, FL

East Florida Coastal Basin
Cape Canaveral Subbasin

LOCATION.--Lat 28°07′36″, long 80°38′49″ referenced to North American Datum of 1927, in NW ¼ sec.20, T.27 S., R.37 E., Brevard County, FL, Hydrologic Unit 03080202, on right bank, 0.2 mi upstream of concrete spillway, 0.7 mi north of Sarno Road, 1.7 mi upstream from mouth, and 3.8 mi northwest of Melbourne.

DRAINAGE AREA.--3.8 mi^2.

SURFACE-WATER RECORDS

PERIOD OF RECORD.--January 1991 to current year.

GAGE.--Water-stage recorder, concrete weir, and data-collection platform. Datum of gage is 10.00 ft below NGVD of 1929 and 11.39 ft below NAVD of 1988.

REMARKS.--Records fair.

Suggested citation: U.S. Geological Survey, 2014, Water-resources data for the United States, Water Year 2013: U.S. Geological Survey Water-Data Report WDR-US-2013, site 02249007, accessed at http://wdr.water.usgs.gov/wy2013/pdfs/02249007.2013.pdf

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DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2012 TO SEPTEMBER 2013
DAILY MEAN VALUES

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	5.7	4.6	7.0	7.9	3.4	5.4	3.6	14	21	21	11	8.0
2	7.1	7.7	5.2	7.8	3.6	4.7	3.6	37	24	22	11	15
3	6.4	7.5	4.6	8.2	3.6	4.4	3.6	14	25	19	18	32
4	5.2	5.2	3.9	8.4	3.3	4.1	4.1	11	18	14	16	21
5	6.0	5.2	4.3	7.6	2.8	4.8	4.9	9.3	12	13	16	12
6	7.5	5.3	5.0	7.1	3.1	5.3	3.6	8.2	74	12	12	11
7	6.6	6.3	5.2	5.7	3.2	4.1	3.6	8.2	34	11	9.9	10
8	7.6	6.1	5.7	5.7	3.1	4.6	3.6	9.9	21	10	8.9	10
9	5.9	7.2	9.5	5.3	3.2	4.8	3.6	9.1	17	9.7	8.4	9.2
10	4.8	5.0	6.9	6.1	3.2	4.7	3.6	9.6	14	9.2	8.2	9.3
11	3.9	3.7	9.7	5.5	3.2	4.6	3.6	13	16	29	7.9	8.8
12	4.1	4.1	34	5.2	3.1	5.4	3.6	16	14	16	7.3	10
13	4.4	4.6	12	5.1	3.2	4.6	3.6	13	12	14	6.8	9.4
14	4.2	5.2	11	4.9	6.9	4.6	50	8.7	11	29	6.9	12
15	4.6	5.8	10	4.5	5.5	5.3	45	7.8	26	17	7.1	10
16	4.9	5.7	7.6	4.1	3.5	5.3	14	7.5	17	13	6.9	7.6
17	7.5	7.6	7.5	4.2	3.1	3.8	9.9	7.5	13	10	6.5	7.7
18	5.5	5.1	9.4	4.2	2.8	3.6	8.4	7.4	12	9.2	11	9.1
19	6.0	4.7	8.3	4.5	2.8	3.6	12	42	11	8.4	7.6	7.8
20	6.0	4.7	8.3	4.6	3.2	3.6	11	12	16	16	7.5	6.8
21	6.5	4.7	7.2	4.7	3.2	3.6	8.5	42	17	24	8.8	7.3
22	5.6	4.4	6.6	4.2	3.2	3.7	11	41	11	23	7.7	6.6
23	5.2	4.6	7.0	4.0	3.2	3.9	8.7	17	11	13	7.0	53
24	4.6	5.6	7.4	4.2	3.2	5.1	8.3	13	9.8	25	6.0	39
25	7.6	6.4	7.6	4.7	9.3	3.9	8.4	10	9.2	26	35	18
26	14	6.9	8.5	4.9	6.7	3.4	9.3	8.7	9.1	23	15	13
27	10	6.5	7.7	4.1	5.2	3.2	9.7	8.2	9.1	15	11	18
28	5.6	6.7	7.4	3.6	5.4	3.6	10	7.9	14	19	7.7	21
29	4.8	7.4	6.9	3.6	---	3.6	11	15	13	16	7.3	15
30	4.4	7.4	7.2	3.5	---	3.6	9.5	13	33	13	6.8	12
31	4.6	---	9.0	3.5	---	3.6	---	9.5	---	12	9.5	---
Total	186.8	171.9	257.6	161.6	109.2	132.5	293.3	450.5	544.2	511.5	316.7	429.6
Mean	6.03	5.73	8.31	5.21	3.90	4.27	9.78	14.5	18.1	16.5	10.2	14.3
Max	14	7.7	34	8.4	9.3	5.4	50	42	74	29	35	53
Min	3.9	3.7	3.9	3.5	2.8	3.2	3.6	7.4	9.1	8.4	6.0	6.6

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1991 - 2013, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	19.6	11.3	9.09	7.57	7.24	8.50	7.20	7.17	13.3	15.9	19.4	21.4
Max	45.0	33.5	33.2	24.8	27.6	19.7	12.2	23.3	33.3	31.5	83.7	56.8
(WY)	(2000)	(1995)	(2003)	(1998)	(1998)	(1998)	(2003)	(2009)	(2005)	(2008)	(2008)	(2004)
Min	6.03	4.72	3.19	2.83	2.90	1.35	1.07	0.58	3.34	3.35	4.24	7.69
(WY)	(2013)	(1996)	(2001)	(2001)	(2001)	(2007)	(2007)	(2007)	(1993)	(1993)	(1993)	(1993)

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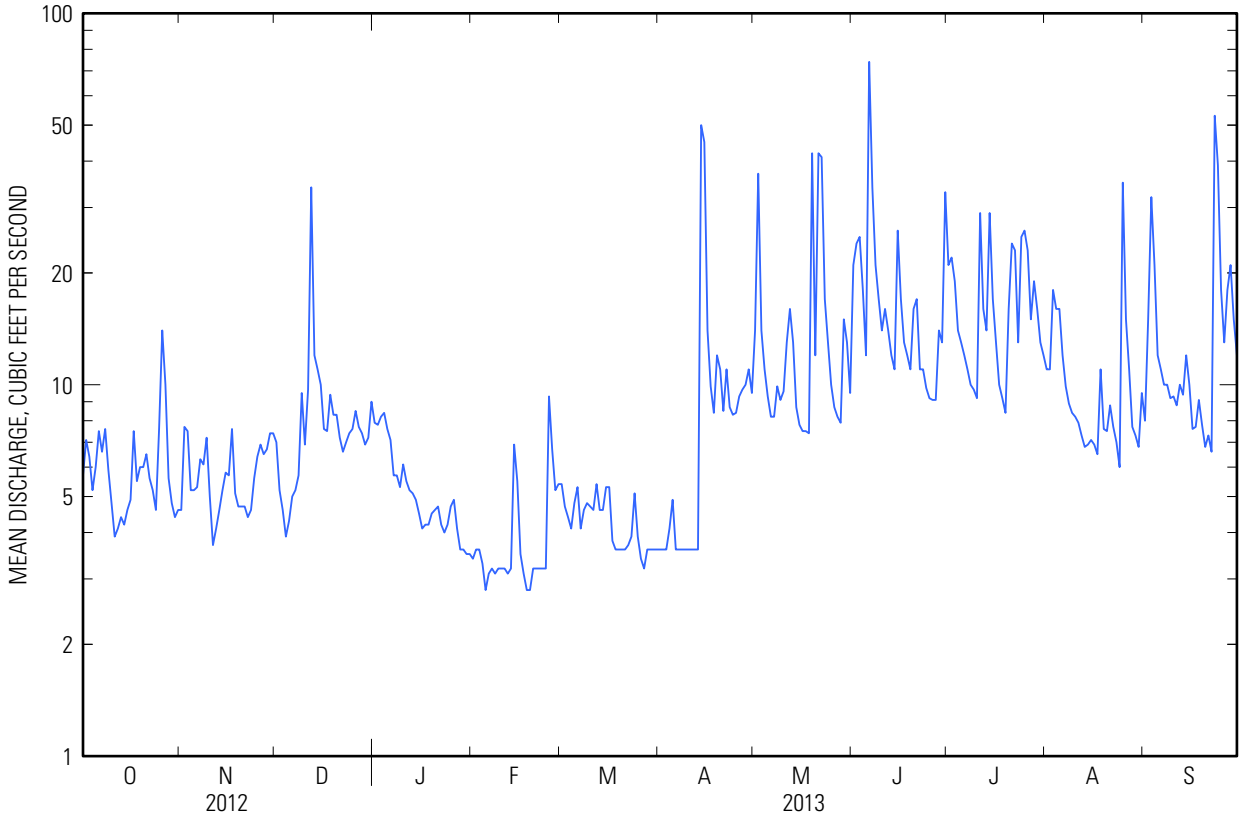
SUMMARY STATISTICS

	Calendar Year 2012		Water Year 2013		Water Years 1991 - 2013	
Annual total	3,025.6		3,565.4			
Annual mean	8.27		9.77		12.2	
Highest annual mean					17.7	1998
Lowest annual mean					7.88	1993
Highest daily mean	43	May 7	74	Jun 6	888	Aug 20, 2008
Lowest daily mean	2.5	Apr 16	2.8	Feb 5,18,19	0.00	Aug 19, 1996
Annual seven-day minimum	2.8	Apr 11	3.1	Feb 17	0.24	May 17, 2007
Maximum peak flow			473	Apr 14	1,440	Aug 20, 2008
Maximum peak stage			15.12	Apr 14	16.70	Aug 2, 1995
10 percent exceeds	14		17		24	
50 percent exceeds	6.8		7.5		7.4	
90 percent exceeds	3.6		3.6		3.2