Water-Data Report 2012

02251767 FELLSMERE CANAL NEAR MICCO, FL

East Florida Coastal Basin
Vero Beach Subbasin

LOCATION.--Lat 27°49′49″, long 80°32′04″ referenced to North American Datum of 1927, in Fleming Land Grant, T.29 S., R.38 E., Brevard County, FL, Hydrologic Unit 03080203, on left bank 250 ft upstream from fixed crest steel sheet pile weir, 500 ft upstream from Canal 54, 4.5 mi south of Micco, and 6 mi northeast of Fellsmere.

DRAINAGE AREA.--Indeterminate.

SURFACE-WATER RECORDS

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

GAGE.--Water-stage recorder, sheet pile weir, and data-collection platform. Datum of gage is at NGVD of 1929 (levels by St. Johns River Water Management District) and 1.47 ft below NAVD of 1988.

REMARKS.--Records fair except for period of missing record, which is poor.

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 02251767, accessed at http://wdr.water.usgs.gov/wy2012/pdfs/02251767.2012.pdf

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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	53	337	53	75	46	43	56	38	127	70	41	119
2	48	212	52	70	51	47	44	34	e160	59	36	97
3	41	166	50	64	44	40	53	35	e130	51	35	86
4	36	138	49	54	47	39	44	36	92	84	47	79
5	27	118	48	56	52	38	46	38	66	126	82	97
6	30	103	51	55	46	46	43	41	63	139	127	189
7	46	96	49	56	61	39	55	42	66	160	104	266
8	271	87	47	53	85	47	39	92	67	131	153	255
9	1,170	86	46	52	80	42	37	64	77	102	143	210
10	1,060	72	56	65	71	51	42	80	181	93	106	154
11	845	77	102	83	73	58	39	61	189	108	94	187
12	634	71	106	78	66	55	41	50	162	199	86	412
13	446	62	118	64	62	72	43	47	115	161	123	315
14	292	59	97	48	53	61	47	46	134	129	117	206
15	169	71	83	66	48	64	42	61	156	106	155	167
16	148	66	73	64	48	52	40	65	142	103	105	142
17	153	62	57	53	48	53	44	119	116	98	73	133
18	164	64	57	48	48	40	42	215	95	100	69	130
19	609	61	55	47	48	39	42	162	81	88	76	188
20	435	59	56	47	47	52	40	119	75	76	65	167
21	221	66	57	47	45	49	55	95	82	65	60	155
22	170	90	58	41	43	82	58	83	79	56	70	160
23	155	83	57	41	57	71	50	72	80	56	115	150
24	139	71	56	46	43	67	47	62	73	96	118	125
25	125	64	57	47	49	49	36	50	94	88	106	106
26	114	61	58	60	41	43	38	49	118	75	95	94
27	106	59	91	62	40	44	35	45	146	68	264	87
28	102	59	92	60	59	39	37	47	115	60	544	78
29	123	59	83	53	57	41	35	46	91	53	446	72
30	146	56	81	50	---	41	34	51	78	48	278	84
31	258	---	91	48	---	47	---	59	---	43	184	---
Total	8,336	2,735	2,086	1,753	1,558	1,551	1,304	2,104	3,250	2,891	4,117	4,710
Mean	269	91.2	67.3	56.5	53.7	50.0	43.5	67.9	108	93.3	133	157
Max	1,170	337	118	83	85	82	58	215	189	199	544	412
Min	27	56	46	41	40	38	34	34	63	43	35	72

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1992 - 2012, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	133	80.6	63.5	58.2	55.6	66.7	53.2	50.1	103	121	133	147
Max	380	260	147	112	150	193	102	94.9	324	251	334	499
(WY)	(2000)	(1995)	(1998)	(1998)	(1998)	(1993)	(1993)	(2009)	(2002)	(2001)	(2008)	(2004)
Min	31.1	29.1	30.6	27.3	29.5	27.0	24.0	19.4	40.1	51.1	39.0	62.9
(WY)	(2007)	(2007)	(2007)	(2007)	(1996)	(1997)	(2007)	(2007)	(1998)	(1993)	(1993)	(2002)

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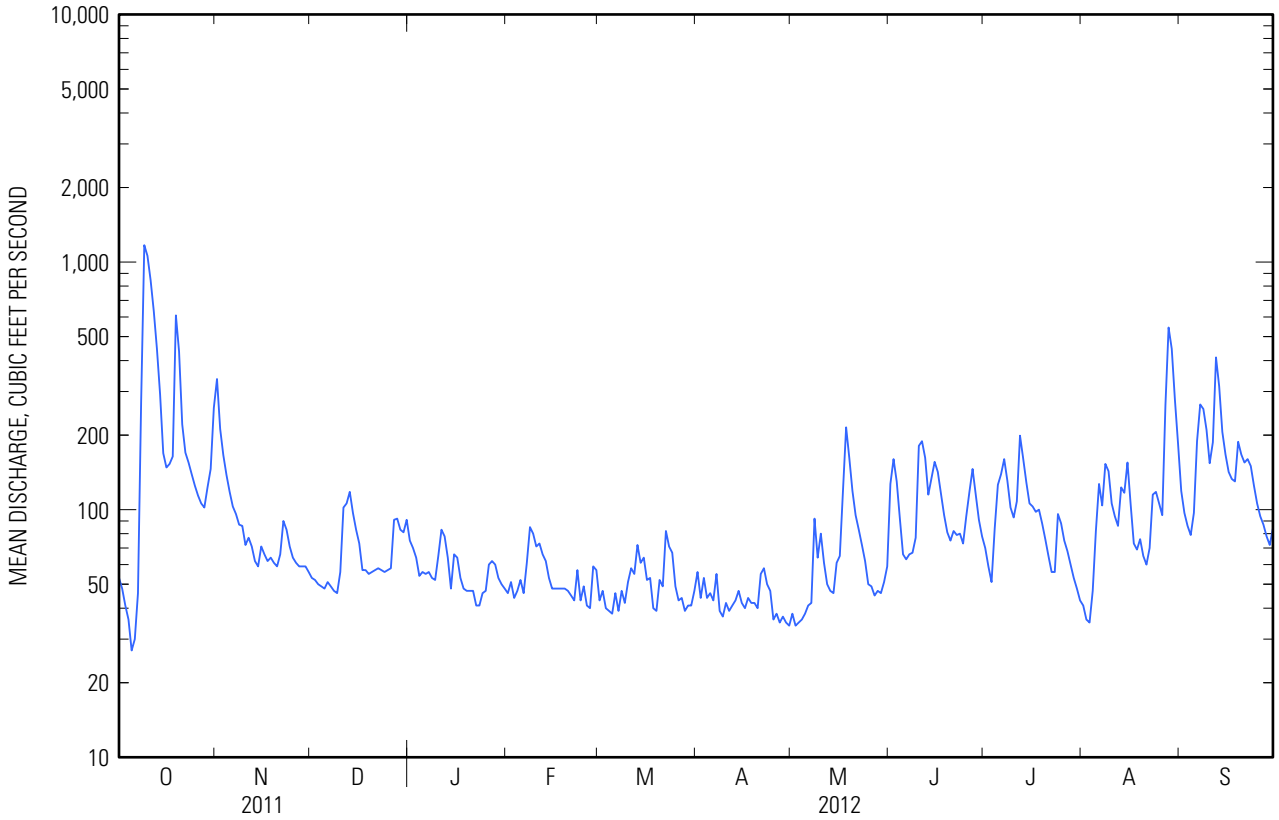
SUMMARY STATISTICS

	Calendar Year 2011		Water Year 2012		Water Years 1992 - 2012	
Annual total	32,078		36,395			
Annual mean	87.9		99.4		89.8	
Highest annual mean					113	2004
Lowest annual mean					49.6	2007
Highest daily mean	1,170	Oct 9	1,170	Oct 9	1,780	Nov 16, 1994
Lowest daily mean	17	Jun 5	27	Oct 5	9.5	Jun 20, 2001
Annual seven-day minimum	19	Jun 2	35	Apr 27	11	Jun 15, 2001
Maximum peak flow			1,280	Oct 9		
Maximum peak stage			5.42	Oct 9	7.61	Sep 26, 2004
Instantaneous low flow			24	Oct 6	[a]8.9	
10 percent exceeds	182		165		170	
50 percent exceeds	55		65		58	
90 percent exceeds	26		41		32	

[a] Oct 1, 2007, Apr 22, 2008