

Water-Data Report 2013

**02293214 MEADE CANAL AT CAPE CORAL, FL**

Southern Florida Basin  
Caloosahatchee Subbasin

LOCATION.--Lat 26°38'10", long 81°55'48" referenced to North American Datum of 1927, in NE ¼ NW ¼ NE ¼ sec.20, T.44 S., R.24 E., Lee County, FL, Hydrologic Unit 03090205, near left bank on upstream side of containment wall, 20 ft east of bridge wingwall, on Viscaya Parkway, 100 ft west of SE 21st Avenue, and 1.2 mi upstream from Caloosahatchee River at Cape Coral.

DRAINAGE AREA.--Indeterminate.

**SURFACE-WATER RECORDS**

PERIOD OF RECORD.--November 1986 to April 2013. (Discontinued).

REVISED RECORDS.--WDR FL-99-2A, 1997, 1998.

GAGE.--Electronic data logger. Datum of gage is National Geodetic Vertical Datum of 1929 (State Road Department Bench Mark).

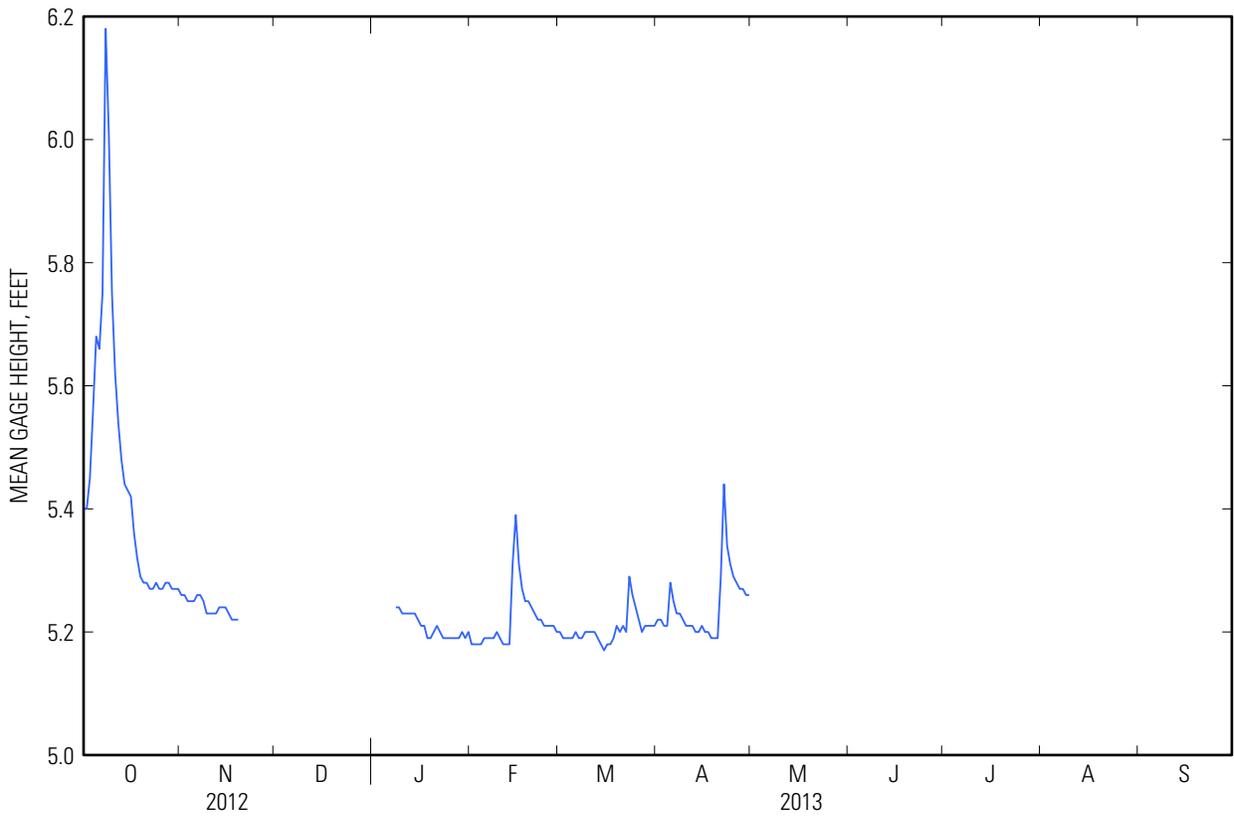
REMARKS.--Records poor. Zero flow occurs for numerous days, during most water years. Station subjected to major shifting of the stage discharge relationship based on heavy debris buildup on carp grates and installation/removal of stoplogs, which are installed on top of the weir. Discharge for the 2004 water year that was unavailable at the time of WDR FL-04-2A publication is published in the 2005 WDR FL-05-2A report.

## 02293214 MEADE CANAL AT CAPE CORAL, FL—Continued

**GAGE HEIGHT, FEET**  
**WATER YEAR OCTOBER 2012 TO SEPTEMBER 2013**  
**DAILY MEAN VALUES**

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	5.40	5.26	---	---	5.18	5.20	5.22	---	---	---	---	---
2	5.40	5.26	---	---	5.18	5.19	5.22	---	---	---	---	---
3	5.45	5.25	---	---	5.18	5.19	5.21	---	---	---	---	---
4	5.56	5.25	---	---	5.18	5.19	5.21	---	---	---	---	---
5	5.68	5.25	---	---	5.19	5.19	5.28	---	---	---	---	---
6	5.66	5.26	---	---	5.19	5.20	5.25	---	---	---	---	---
7	5.75	5.26	---	---	5.19	5.19	5.23	---	---	---	---	---
8	6.18	5.25	---	5.24	5.19	5.19	5.23	---	---	---	---	---
9	6.01	5.23	---	5.24	5.20	5.20	5.22	---	---	---	---	---
10	5.75	5.23	---	5.23	5.19	5.20	5.21	---	---	---	---	---
11	5.62	5.23	---	5.23	5.18	5.20	5.21	---	---	---	---	---
12	5.54	5.23	---	5.23	5.18	5.20	5.21	---	---	---	---	---
13	5.48	5.24	---	5.23	5.18	5.19	5.20	---	---	---	---	---
14	5.44	5.24	---	5.23	5.31	5.18	5.20	---	---	---	---	---
15	5.43	5.24	---	5.22	5.39	5.17	5.21	---	---	---	---	---
16	5.42	5.23	---	5.21	5.31	5.18	5.20	---	---	---	---	---
17	5.36	5.22	---	5.21	5.27	5.18	5.20	---	---	---	---	---
18	5.32	5.22	---	5.19	5.25	5.19	5.19	---	---	---	---	---
19	5.29	5.22	---	5.19	5.25	5.21	5.19	---	---	---	---	---
20	5.28	---	---	5.20	5.24	5.20	5.19	---	---	---	---	---
21	5.28	---	---	5.21	5.23	5.21	5.29	---	---	---	---	---
22	5.27	---	---	5.20	5.22	5.20	5.44	---	---	---	---	---
23	5.27	---	---	5.19	5.22	5.29	5.34	---	---	---	---	---
24	5.28	---	---	5.19	5.21	5.26	5.31	---	---	---	---	---
25	5.27	---	---	5.19	5.21	5.24	5.29	---	---	---	---	---
26	5.27	---	---	5.19	5.21	5.22	5.28	---	---	---	---	---
27	5.28	---	---	5.19	5.21	5.20	5.27	---	---	---	---	---
28	5.28	---	---	5.19	5.20	5.21	5.27	---	---	---	---	---
29	5.27	---	---	5.20	---	5.21	5.26	---	---	---	---	---
30	5.27	---	---	5.19	---	5.21	5.26	---	---	---	---	---
31	5.27	---	---	5.20	---	5.21	---	---	---	---	---	---
<b>Total</b>	169.03	---	---	---	146.14	161.30	157.29	---	---	---	---	---
<b>Mean</b>	5.45	---	---	---	5.22	5.20	5.24	---	---	---	---	---
<b>Max</b>	6.18	---	---	---	5.39	5.29	5.44	---	---	---	---	---
<b>Min</b>	5.27	---	---	---	5.18	5.17	5.19	---	---	---	---	---

**02293214 MEADE CANAL AT CAPE CORAL, FL—Continued**



## 02293214 MEADE CANAL AT CAPE CORAL, FL—Continued

**DISCHARGE, CUBIC FEET PER SECOND**  
**WATER YEAR OCTOBER 2012 TO SEPTEMBER 2013**  
**DAILY MEAN VALUES**  
[e, estimated]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	1.3	3.0	e4.5	e4.2	0.34	0.97	0.18	---	---	---	---	---
2	1.8	3.0	e4.5	e4.6	0.22	0.49	0.18	---	---	---	---	---
3	3.8	2.5	e4.7	e5.1	0.25	0.50	0.07	---	---	---	---	---
4	10	2.5	e4.2	e4.3	0.28	0.42	0.27	---	---	---	---	---
5	18	2.5	e4.3	e2.7	0.43	0.24	2.9	---	---	---	---	---
6	17	2.9	e4.8	e2.8	0.50	0.38	1.3	---	---	---	---	---
7	25	2.8	e4.8	e2.8	0.44	0.23	0.50	---	---	---	---	---
8	62	2.2	e9.7	2.9	0.50	0.24	0.38	---	---	---	---	---
9	46	1.7	e18	2.8	0.82	0.41	0.23	---	---	---	---	---
10	24	1.5	e16	2.5	0.47	0.45	0.13	---	---	---	---	---
11	15	1.5	e17	2.5	0.25	0.43	0.09	---	---	---	---	---
12	9.5	1.5	e14	2.5	0.22	0.48	0.09	---	---	---	---	---
13	6.7	2.0	e11	2.5	0.23	0.21	0.05	---	---	---	---	---
14	4.9	2.2	e9.1	2.5	7.2	0.03	0.03	---	---	---	---	---
15	4.7	2.2	e8.4	2.2	11	0.01	0.10	---	---	---	---	---
16	4.6	1.5	e8.0	1.7	6.3	0.03	0.06	---	---	---	---	---
17	2.7	1.1	e7.9	1.4	4.5	0.03	0.03	---	---	---	---	---
18	1.2	1.0	e8.8	0.56	3.7	0.20	0.01	---	---	---	---	---
19	0.77	1.1	e9.6	0.51	3.5	0.44	0.02	---	---	---	---	---
20	1.1	e2.9	e7.6	1.0	3.2	0.31	0.04	---	---	---	---	---
21	1.5	e4.2	e7.7	1.4	2.5	0.40	3.8	---	---	---	---	---
22	2.0	e4.6	e7.3	1.2	2.1	0.11	12	---	---	---	---	---
23	2.9	e4.2	e6.6	0.49	1.9	3.8	6.1	---	---	---	---	---
24	3.8	e4.2	e7.0	0.50	1.7	2.3	4.3	---	---	---	---	---
25	3.3	e4.4	e7.3	0.50	1.5	1.6	3.5	---	---	---	---	---
26	3.4	e4.4	e7.2	0.51	1.3	0.46	3.2	---	---	---	---	---
27	4.1	e4.4	e6.9	0.51	1.4	0.12	2.7	---	---	---	---	---
28	4.3	e4.9	e6.4	0.60	1.0	0.23	2.3	---	---	---	---	---
29	3.7	e4.9	e6.0	0.91	---	0.23	2.0	---	---	---	---	---
30	3.5	e4.6	e5.3	0.69	---	0.23	2.1	---	---	---	---	---
31	3.3	---	e4.8	0.76	---	0.17	---	---	---	---	---	---
<b>Total</b>	295.87	86.4	249.4	60.14	57.75	16.15	48.66	---	---	---	---	---
<b>Mean</b>	9.54	2.88	8.05	1.94	2.06	0.52	1.62	---	---	---	---	---
<b>Max</b>	62	4.9	18	5.1	11	3.8	12	---	---	---	---	---
<b>Min</b>	0.77	1.0	4.2	0.49	0.22	0.01	0.01	---	---	---	---	---
<b>Ac-ft</b>	587	171	495	119	115	32	97	---	---	---	---	---

**STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1987 - 2013, BY WATER YEAR (WY)**

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
<b>Mean</b>	6.67	3.49	3.66	3.50	2.40	3.00	1.94	1.73	9.77	14.2	16.1	13.7
<b>Max</b>	26.8	20.7	28.8	9.98	16.3	20.9	9.17	5.05	28.2	29.0	51.0	36.9
<b>(WY)</b>	(2012)	(2003)	(2003)	(1999)	(1998)	(2010)	(2008)	(1997)	(2005)	(1995)	(2003)	(2008)
<b>Min</b>	0.00	0.08	0.05	0.43	0.11	0.12	0.00	0.01	1.27	1.59	3.20	4.14
<b>(WY)</b>	(1989)	(1990)	(1997)	(2001)	(1994)	(2007)	(1990)	(1993)	(1988)	(1996)	(1991)	(1992)

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SUMMARY STATISTICS

	Calendar Year 2012		Water Years 1987 - 2013	
<b>Annual total</b>	2,349.16			
<b>Annual mean</b>	6.42		6.79	
<b>Highest annual mean</b>			15.5	2003
<b>Lowest annual mean</b>			2.28	1993
<b>Highest daily mean</b>	188	Sep 23	321	Jul 23, 2001
<b>Lowest daily mean</b>	0.00	Mar 24	0.00	May 8, 1988
<b>Annual seven-day minimum</b>	0.00	Mar 26	0.00	Jun 3, 1988
<b>Maximum peak flow</b>			406	Jul 23, 2001
<b>Maximum peak stage</b>			7.73	Jul 23, 2001
<b>Annual runoff (ac-ft)</b>	4,660		4,920	
<b>10 percent exceeds</b>	14		18	
<b>50 percent exceeds</b>	3.2		2.5	
<b>90 percent exceeds</b>	0.00		0.00	

