

**264006081534400 HANCOCK CREEK AT PONDELLA ROAD NORTH FT MYERS, FL**

Southern Florida Basin  
Caloosahatchee Subbasin

LOCATION.--Lat 26°40'06", long 81°53'44" referenced to North American Datum of 1983, Lee County, FL, Hydrologic Unit 03090205, located in middle of channel attached to bridge piling for Pondella Road, 1.1 mi from the mouth, 2.3 mi northwest of Fort Myers.

DRAINAGE AREA.--Indeterminate.

**SURFACE-WATER RECORDS**

PERIOD OF RECORD.--

DISCHARGE: April 2008 to April 2013. Discontinued.

GAGE HEIGHT: April 2008 to April 2013. Discontinued.

REVISED RECORDS.--WDR-US-2010, site 264006081534400: 2008, 2009; gage height daily values tables and extremes revised to NAVD 88 datum.

GAGE.--Satellite data collection platform with acoustic Doppler velocity meter. Datum of gage is North American Vertical Datum of 1988 (NAVD88).

REMARKS.--Records fair, except for days of estimated daily discharges, which are poor. Streamflow at this site is affected by astronomical tides. Daily mean discharge was computed from filtered unit value discharge data. The Godin low-pass filter is used to remove principal tidal frequencies from unit values. Positive discharge (ebb tide) is generally to the southeast direction, and negative discharge (flood tide) to the northwest. Discharge and gage height 15 minute data, are available in the files of the U.S. Geological Survey. Data can also be accessed online at <http://sofia.usgs.gov/>. Daily values of discharge and gage height are available online at <http://waterdata.usgs.gov/nwis>.

EXTREMES FOR PERIOD OF RECORD.--

DISCHARGE: Maximum positive discharge (unfiltered) 685 ft<sup>3</sup>/s Aug. 18, 2009; maximum negative discharge (unfiltered) 597 ft<sup>3</sup>/s Sept. 3, 2009.

GAGE HEIGHT: Maximum recorded 2.97 ft June 25, 2012; minimum recorded -2.64 ft, Jan. 16, 2009.

EXTREMES FOR CURRENT YEAR.--

DISCHARGE: Maximum positive discharge (unfiltered) 431 ft<sup>3</sup>/s Dec. 12; maximum negative discharge (unfiltered) 396 ft<sup>3</sup>/s Oct. 2.

GAGE HEIGHT: Maximum recorded 1.60 ft Oct. 19; minimum recorded -2.27 ft, Feb. 17.

## 264006081534400 HANCOCK CREEK AT PONDELLA ROAD NORTH FT MYERS, FL—Continued

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

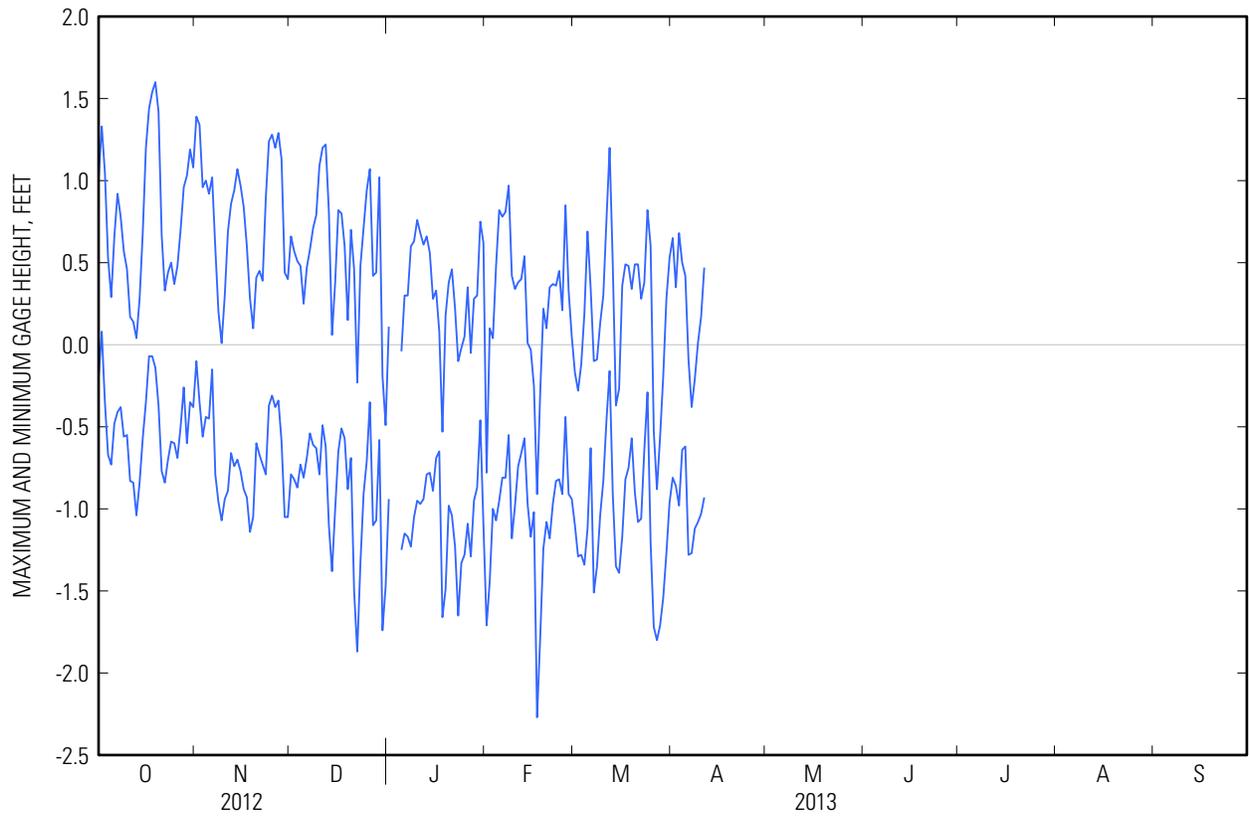
Day	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min
	October		November		December		January		February		March	
1	1.01	-0.20	1.39	-0.10	0.66	-0.79	0.11	-0.94	-0.78	-1.71	-0.17	-1.10
2	1.33	0.08	1.34	-0.35	0.57	-0.82	---	---	0.10	-1.44	-0.28	-1.29
3	1.05	-0.35	0.96	-0.56	0.51	-0.87	---	---	0.04	-1.00	-0.12	-1.28
4	0.53	-0.67	1.00	-0.44	0.48	-0.73	---	---	0.48	-1.07	0.19	-1.34
5	0.29	-0.73	0.92	-0.45	0.25	-0.81	-0.04	-1.25	0.82	-0.95	0.69	-1.12
6	0.66	-0.48	1.02	-0.15	0.47	-0.69	0.30	-1.15	0.78	-0.81	0.34	-0.63
7	0.92	-0.41	0.59	-0.79	0.58	-0.54	0.30	-1.17	0.81	-0.81	-0.10	-1.51
8	0.78	-0.38	0.20	-0.96	0.71	-0.61	0.60	-1.23	0.97	-0.55	-0.09	-1.35
9	0.57	-0.56	0.01	-1.07	0.79	-0.63	0.63	-1.05	0.42	-1.18	0.13	-1.04
10	0.46	-0.55	0.30	-0.94	1.09	-0.79	0.76	-0.95	0.34	-0.98	0.30	-0.83
11	0.17	-0.83	0.69	-0.89	1.20	-0.49	0.68	-0.97	0.38	-0.74	0.76	-0.46
12	0.14	-0.84	0.86	-0.66	1.22	-0.62	0.61	-0.94	0.40	-0.66	1.20	-0.16
13	0.04	-1.04	0.94	-0.74	0.81	-1.10	0.66	-0.79	0.54	-0.57	0.49	-0.91
14	0.28	-0.84	1.07	-0.70	0.06	-1.38	0.56	-0.78	0.01	-0.97	-0.37	-1.35
15	0.68	-0.57	0.97	-0.77	0.38	-1.00	0.28	-0.89	-0.03	-1.17	-0.27	-1.39
16	1.20	-0.35	0.84	-0.88	0.82	-0.65	0.33	-0.69	-0.25	-1.02	0.36	-1.17
17	1.44	-0.07	0.60	-0.93	0.80	-0.51	0.08	-0.65	-0.91	-2.27	0.49	-0.82
18	1.54	-0.07	0.28	-1.14	0.60	-0.57	-0.53	-1.66	-0.29	-1.78	0.48	-0.75
19	1.60	-0.14	0.10	-1.05	0.15	-0.88	0.18	-1.49	0.22	-1.24	0.34	-0.57
20	1.42	-0.37	0.41	-0.60	0.70	-0.69	0.38	-0.98	0.10	-1.08	0.49	-0.90
21	0.67	-0.77	0.45	-0.67	0.46	-1.50	0.46	-1.04	0.35	-1.18	0.49	-1.08
22	0.33	-0.84	0.39	-0.73	-0.23	-1.87	0.22	-1.23	0.37	-0.97	0.28	-1.06
23	0.44	-0.70	0.89	-0.79	0.48	-1.33	-0.10	-1.65	0.36	-0.83	0.38	-0.64
24	0.50	-0.59	1.24	-0.37	0.71	-0.91	-0.02	-1.33	0.45	-0.82	0.82	-0.29
25	0.37	-0.60	1.28	-0.31	0.94	-0.71	0.05	-1.28	0.21	-0.91	0.60	-1.21
26	0.48	-0.69	1.20	-0.38	1.07	-0.35	0.35	-1.09	0.85	-0.44	-0.53	-1.72
27	0.70	-0.50	1.29	-0.34	0.42	-1.10	-0.05	-1.29	0.33	-0.91	-0.88	-1.80
28	0.96	-0.26	1.13	-0.59	0.44	-1.07	0.28	-0.95	0.05	-0.94	-0.56	-1.71
29	1.03	-0.60	0.44	-1.05	1.02	-0.58	0.30	-0.87	---	---	-0.19	-1.54
30	1.19	-0.35	0.40	-1.05	-0.19	-1.74	0.75	-0.46	---	---	0.28	-1.27
31	1.08	-0.38	---	---	-0.49	-1.47	0.62	-1.10	---	---	0.53	-0.96
<b>Month</b>	1.60	-1.04	1.39	-1.14	1.22	-1.87	---	---	0.97	-2.27	1.20	-1.80

264006081534400 HANCOCK CREEK AT PONDELLA ROAD NORTH FT MYERS, FL—Continued

GAGE HEIGHT, FEET  
WATER YEAR OCTOBER 2012 TO SEPTEMBER 2013

Day	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min
	April		May		June		July		August		September	
1	0.65	-0.81	---	---	---	---	---	---	---	---	---	---
2	0.35	-0.86	---	---	---	---	---	---	---	---	---	---
3	0.68	-0.98	---	---	---	---	---	---	---	---	---	---
4	0.50	-0.64	---	---	---	---	---	---	---	---	---	---
5	0.42	-0.62	---	---	---	---	---	---	---	---	---	---
6	-0.09	-1.28	---	---	---	---	---	---	---	---	---	---
7	-0.38	-1.27	---	---	---	---	---	---	---	---	---	---
8	-0.21	-1.12	---	---	---	---	---	---	---	---	---	---
9	0.01	-1.08	---	---	---	---	---	---	---	---	---	---
10	0.17	-1.03	---	---	---	---	---	---	---	---	---	---
11	0.47	-0.93	---	---	---	---	---	---	---	---	---	---
12	---	---	---	---	---	---	---	---	---	---	---	---
13	---	---	---	---	---	---	---	---	---	---	---	---
14	---	---	---	---	---	---	---	---	---	---	---	---
15	---	---	---	---	---	---	---	---	---	---	---	---
16	---	---	---	---	---	---	---	---	---	---	---	---
17	---	---	---	---	---	---	---	---	---	---	---	---
18	---	---	---	---	---	---	---	---	---	---	---	---
19	---	---	---	---	---	---	---	---	---	---	---	---
20	---	---	---	---	---	---	---	---	---	---	---	---
21	---	---	---	---	---	---	---	---	---	---	---	---
22	---	---	---	---	---	---	---	---	---	---	---	---
23	---	---	---	---	---	---	---	---	---	---	---	---
24	---	---	---	---	---	---	---	---	---	---	---	---
25	---	---	---	---	---	---	---	---	---	---	---	---
26	---	---	---	---	---	---	---	---	---	---	---	---
27	---	---	---	---	---	---	---	---	---	---	---	---
28	---	---	---	---	---	---	---	---	---	---	---	---
29	---	---	---	---	---	---	---	---	---	---	---	---
30	---	---	---	---	---	---	---	---	---	---	---	---
31	---	---	---	---	---	---	---	---	---	---	---	---
Month	---	---	---	---	---	---	---	---	---	---	---	---

**264006081534400 HANCOCK CREEK AT PONDELLA ROAD NORTH FT MYERS, FL—Continued**



## 264006081534400 HANCOCK CREEK AT PONDELLA ROAD NORTH FT MYERS, FL—Continued

**DISCHARGE, TIDALLY FILTERED, 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	18	21	7.2	e1.5	7.1	-2.7	-5.9	---	---	---	---	---
2	42	35	9.0	e2.3	-16	-3.3	-1.5	---	---	---	---	---
3	66	27	6.9	e4.8	-13	-7.9	-10	---	---	---	---	---
4	74	21	6.7	e3.1	-16	-13	8.7	---	---	---	---	---
5	65	14	1.6	e-8.5	-15	-11	12	---	---	---	---	---
6	52	19	-2.0	-5.6	-2.1	13	12	---	---	---	---	---
7	73	30	0.24	-2.6	-4.2	5.7	-0.34	---	---	---	---	---
8	87	20	5.1	-6.3	7.8	-5.1	-2.1	---	---	---	---	---
9	68	9.5	7.7	1.2	5.8	-8.8	3.6	---	---	---	---	---
10	55	5.0	4.7	9.8	-2.4	-10	---	---	---	---	---	---
11	43	7.6	18	5.9	-6.7	-16	---	---	---	---	---	---
12	35	12	19	-0.07	-4.4	2.2	---	---	---	---	---	---
13	31	10	14	-2.5	4.4	27	---	---	---	---	---	---
14	21	9.2	-0.65	-1.7	33	11	---	---	---	---	---	---
15	16	12	-6.2	-4.4	18	-11	---	---	---	---	---	---
16	19	15	4.8	-6.9	11	-16	---	---	---	---	---	---
17	19	12	9.4	5.6	6.0	-6.1	---	---	---	---	---	---
18	22	12	12	0.48	-18	-2.1	---	---	---	---	---	---
19	31	2.7	4.2	-15	-14	-2.1	---	---	---	---	---	---
20	39	1.3	1.7	-12	-0.64	-4.4	---	---	---	---	---	---
21	31	7.3	20	-8.1	-2.0	-2.0	---	---	---	---	---	---
22	25	6.4	-6.3	0.11	-1.8	-15	---	---	---	---	---	---
23	25	-2.5	-18	-13	-4.2	-8.2	---	---	---	---	---	---
24	25	6.7	-9.0	-17	-1.1	-0.01	---	---	---	---	---	---
25	20	16	-1.4	-12	-11	25	---	---	---	---	---	---
26	15	15	16	-2.1	-4.9	17	---	---	---	---	---	---
27	6.7	26	15	-7.9	13	3.3	---	---	---	---	---	---
28	12	29	-1.9	-6.5	2.3	-4.1	---	---	---	---	---	---
29	16	9.1	24	-5.7	---	-7.1	---	---	---	---	---	---
30	13	4.3	21	-5.8	---	-11	---	---	---	---	---	---
31	11	---	-5.0	22	---	-12	---	---	---	---	---	---
<b>Total</b>	1,075.7	412.6	177.79	-86.88	-29.04	-74.71	---	---	---	---	---	---
<b>Mean</b>	34.7	13.8	5.74	-2.80	-1.04	-2.41	---	---	---	---	---	---
<b>Max</b>	87	35	24	22	33	27	---	---	---	---	---	---
<b>Min</b>	6.7	-2.5	-18	-17	-18	-16	---	---	---	---	---	---

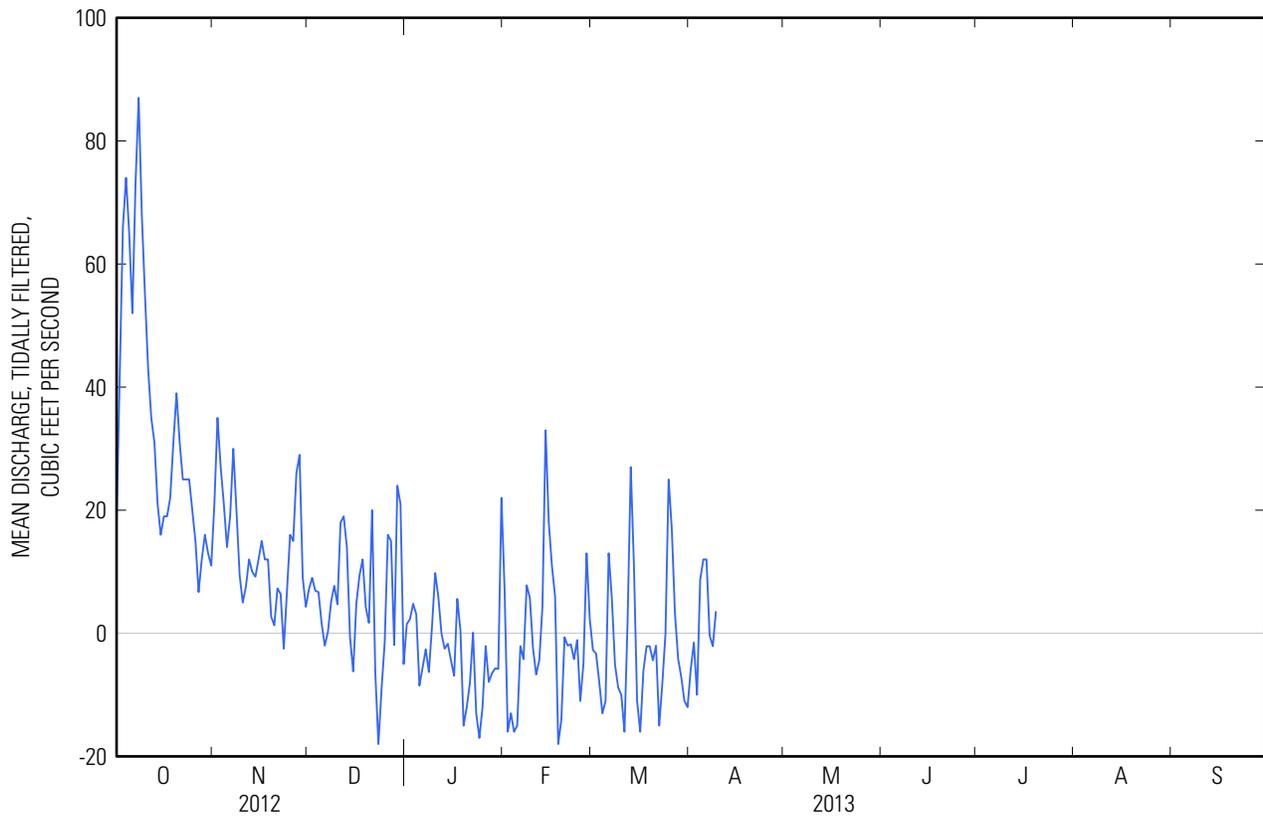
**STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2008 - 2013, BY WATER YEAR (WY)**

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
<b>Mean</b>	22.8	4.73	-1.20	-0.19	1.44	7.18	6.94	1.93	11.8	32.3	37.8	47.9
<b>Max</b>	50.4	13.8	5.74	6.10	8.93	28.1	26.6	8.49	26.9	44.7	65.6	83.1
<b>(WY)</b>	(2012)	(2013)	(2013)	(2009)	(2012)	(2010)	(2010)	(2009)	(2009)	(2012)	(2008)	(2008)
<b>Min</b>	-2.22	-3.16	-9.90	-4.34	-5.33	-2.41	-5.31	-7.55	-4.60	9.52	6.10	29.5
<b>(WY)</b>	(2011)	(2010)	(2012)	(2012)	(2011)	(2013)	(2008)	(2011)	(2008)	(2011)	(2011)	(2009)

264006081534400 HANCOCK CREEK AT PONDELLA ROAD NORTH FT MYERS, FL—Continued

SUMMARY STATISTICS

	Calendar Year 2012		Water Years 2008 - 2013	
<b>Annual total</b>	6,695.57			
<b>Annual mean</b>	18.3		18.2	
<b>Highest annual mean</b>			18.2	2012
<b>Lowest annual mean</b>			18.2	2012
<b>Highest daily mean</b>	166	Jul 17	251	Oct 19, 2011
<b>Lowest daily mean</b>	-40	Jan 6	-81	Jun 18, 2008
<b>Annual seven-day minimum</b>	-20	Jan 4	-36	Dec 14, 2011
<b>10 percent exceeds</b>	52		52	
<b>50 percent exceeds</b>	12		10	
<b>90 percent exceeds</b>	-4.3		-6.6	



**264006081534400 HANCOCK CREEK AT PONDELLA ROAD NORTH FT MYERS, FL—Continued**

**WATER-QUALITY RECORDS**

PERIOD OF RECORD.--

SALINITY (TOP, BOTTOM): April 2008 to September 2010. Discontinued.

WATER TEMPERATURE (TOP, BOTTOM): April 2008 to September 2010. Discontinued.

REMARKS.--Salinity and water temperature sensors formerly located at surface (TOP) and -4.5 ft NAVD88 (BOTTOM) (Revised to NAVD 88 datum). During periods of missing record, values may be higher or lower than the listed extremes. Data can also be accessed online at <http://sofia.usgs.gov/>. Salinity and water temperature 15 minute data are available in files of the U.S. Geological Survey. Daily values of salinity and water temperature are available online at <http://waterdata.usgs.gov/nwis>.

EXTREMES FOR PERIOD OF RECORD.--

SALINITY (TOP): Maximum recorded, 23.5 ppt May 24, 2008. Minimum recorded, 0.1 ppt Aug. 23, 2008.

SALINITY (BOTTOM): Maximum recorded, 23.7 ppt May 11, 2008. Minimum recorded, 0.1 ppt Sept. 10, 23, 2008.

WATER TEMPERATURE (TOP): Maximum recorded, 35.4 °C July 21, 2008; minimum recorded, 6.8 °C Jan. 11, 2010.

WATER TEMPERATURE (BOTTOM): Maximum recorded, 33.5 °C June 16, 2010; minimum recorded, 10.8 °C Jan. 12, 2010.