

02293205 CALOOSAHATCHEE RIVER AT CHANNEL MARKER 52 NR FORT MYERS, FL

Southern Florida Basin
Caloosahatchee Subbasin

LOCATION.--Lat 26°38'29", long 81°52'58" referenced to North American Datum of 1983, Lee County, FL, Hydrologic Unit 03090205, located on Channel Marker #52 of the Caloosahatchee River, 0.6 mi downstream from U.S. 41 Bridge near downtown Fort Myers, 13.5 mi from the mouth.

DRAINAGE AREA.--Indeterminate.

SURFACE-WATER RECORDS

PERIOD OF RECORD.--

DISCHARGE: October 2007 to May 2013. Discontinued.

GAGE HEIGHT: October 2007 to May 2013. Discontinued.

REVISED RECORDS.--WDR-US-2010 site 02293205: 2008, 2009, gage height daily values and extremes revised to NAVD88 datum and 2008, 2009, discharge record revised based upon revised rating.

GAGE.--Satellite data collection platform with water-stage vented pressure, and acoustic Doppler velocity meter. Datum of gage is North American Vertical Datum of 1988 (NAVD88).

REMARKS.--Records 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 west direction, and negative discharge (flood tide) to the east. 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), 36,200 ft³/3 Aug. 22, 2008 (Tropical Storm Fay); maximum negative, (unfiltered), 49,900 ft³/s Sept. 3, 2009.

GAGE HEIGHT: Maximum recorded, 2.90 ft June 25, 2012; minimum recorded, -3.01 ft Jan. 3, 2008.

EXTREMES FOR CURRENT YEAR.--

DISCHARGE: Maximum positive discharge, (unfiltered), 26,400 ft³/s Apr. 11; maximum negative, (unfiltered), 32,200 ft³/s Jan. 11.

GAGE HEIGHT: Maximum recorded, 1.56 ft Oct. 19; minimum recorded, -2.23 ft Feb. 17.

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GAGE HEIGHT, FEET
WATER YEAR OCTOBER 2012 TO SEPTEMBER 2013

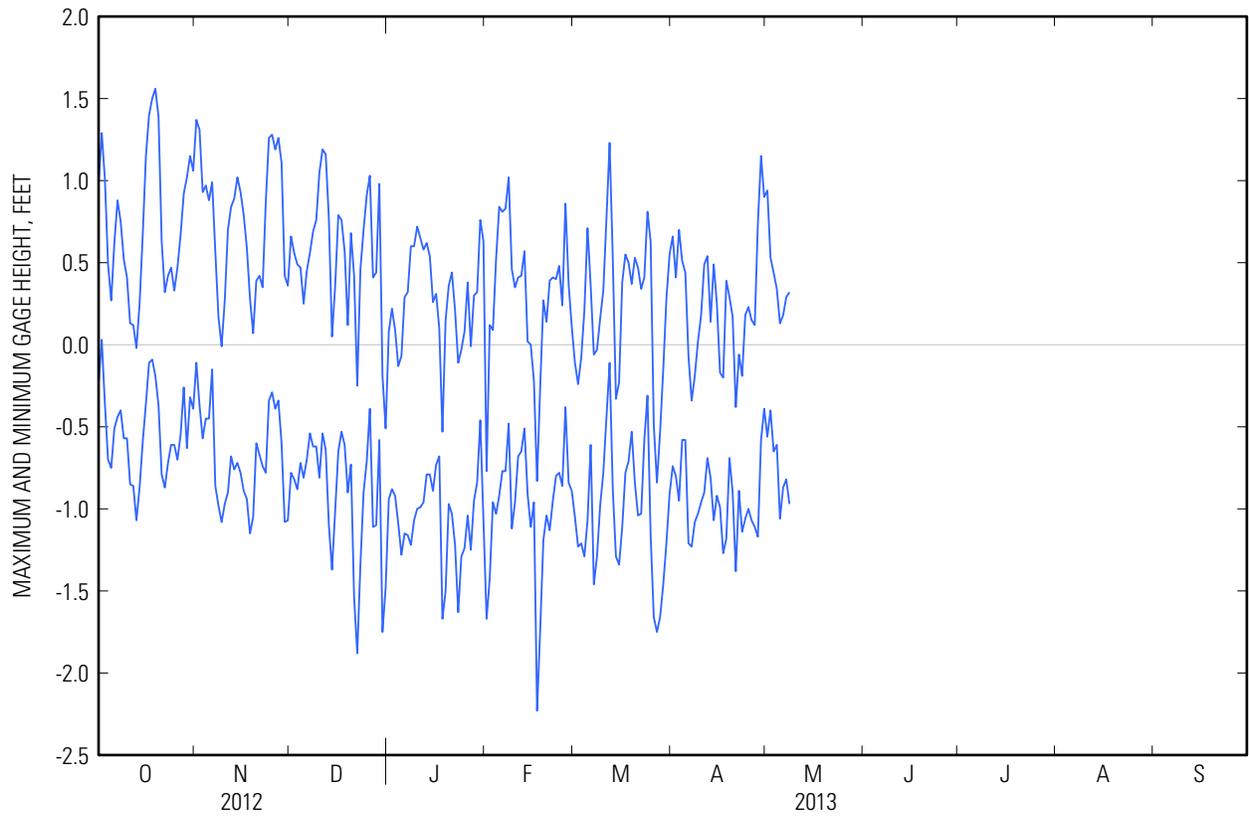
Day	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min
	October		November		December		January		February		March	
1	0.98	-0.24	1.37	-0.11	0.66	-0.78	0.08	-0.94	-0.77	-1.67	-0.11	-1.05
2	1.29	0.03	1.31	-0.37	0.56	-0.82	0.22	-0.88	0.12	-1.42	-0.24	-1.23
3	1.01	-0.36	0.93	-0.57	0.49	-0.88	0.09	-0.92	0.09	-0.96	-0.08	-1.21
4	0.49	-0.70	0.97	-0.45	0.47	-0.72	-0.13	-1.09	0.52	-1.03	0.21	-1.29
5	0.27	-0.75	0.88	-0.45	0.25	-0.81	-0.07	-1.28	0.84	-0.92	0.71	-1.07
6	0.62	-0.51	0.99	-0.15	0.45	-0.70	0.29	-1.15	0.81	-0.77	0.36	-0.61
7	0.88	-0.44	0.57	-0.86	0.56	-0.54	0.32	-1.16	0.83	-0.77	-0.06	-1.46
8	0.75	-0.40	0.17	-0.98	0.69	-0.62	0.60	-1.22	1.02	-0.48	-0.03	-1.29
9	0.52	-0.57	-0.01	-1.08	0.76	-0.62	0.60	-1.07	0.46	-1.12	0.16	-0.98
10	0.41	-0.57	0.27	-0.97	1.05	-0.81	0.72	-1.00	0.35	-0.96	0.33	-0.78
11	0.13	-0.85	0.70	-0.90	1.19	-0.54	0.65	-0.99	0.41	-0.68	0.77	-0.44
12	0.12	-0.86	0.84	-0.68	1.16	-0.64	0.58	-0.96	0.42	-0.65	1.23	-0.11
13	-0.02	-1.07	0.89	-0.76	0.77	-1.10	0.62	-0.79	0.57	-0.51	0.53	-0.88
14	0.25	-0.87	1.02	-0.72	0.05	-1.37	0.54	-0.79	0.02	-0.91	-0.33	-1.29
15	0.67	-0.59	0.93	-0.78	0.36	-1.01	0.26	-0.89	0.00	-1.11	-0.23	-1.34
16	1.15	-0.36	0.79	-0.89	0.79	-0.65	0.31	-0.73	-0.22	-0.96	0.38	-1.11
17	1.40	-0.11	0.59	-0.94	0.76	-0.53	0.10	-0.68	-0.83	-2.23	0.55	-0.78
18	1.50	-0.09	0.28	-1.15	0.57	-0.61	-0.53	-1.67	-0.25	-1.73	0.50	-0.71
19	1.56	-0.19	0.07	-1.05	0.12	-0.90	0.15	-1.50	0.27	-1.19	0.37	-0.53
20	1.39	-0.37	0.39	-0.60	0.68	-0.73	0.36	-0.97	0.14	-1.04	0.53	-0.84
21	0.63	-0.79	0.42	-0.67	0.42	-1.54	0.44	-1.03	0.39	-1.13	0.47	-1.04
22	0.32	-0.87	0.35	-0.74	-0.25	-1.88	0.21	-1.22	0.41	-0.95	0.34	-1.03
23	0.42	-0.72	0.87	-0.78	0.46	-1.34	-0.11	-1.63	0.40	-0.80	0.41	-0.58
24	0.47	-0.61	1.26	-0.34	0.70	-0.90	-0.03	-1.29	0.48	-0.78	0.81	-0.31
25	0.33	-0.61	1.28	-0.29	0.91	-0.71	0.08	-1.24	0.24	-0.86	0.63	-1.16
26	0.47	-0.70	1.19	-0.39	1.03	-0.39	0.38	-1.04	0.86	-0.38	-0.49	-1.66
27	0.67	-0.55	1.26	-0.34	0.41	-1.11	-0.01	-1.25	0.37	-0.84	-0.84	-1.75
28	0.92	-0.26	1.11	-0.60	0.44	-1.10	0.30	-0.95	0.11	-0.89	-0.53	-1.66
29	1.02	-0.63	0.42	-1.08	0.98	-0.58	0.32	-0.84	---	---	-0.15	-1.46
30	1.15	-0.32	0.36	-1.07	-0.19	-1.75	0.76	-0.46	---	---	0.28	-1.21
31	1.06	-0.39	---	---	-0.51	-1.48	0.63	-1.07	---	---	0.55	-0.91
Month	1.56	-1.07	1.37	-1.15	1.19	-1.88	0.76	-1.67	1.02	-2.23	1.23	-1.75

02293205 CALOOSAHATCHEE RIVER AT CHANNEL MARKER 52 NR FORT 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	0.66	-0.74	0.94	-0.56	---	---	---	---	---	---	---	---
2	0.41	-0.80	0.53	-0.40	---	---	---	---	---	---	---	---
3	0.70	-0.95	0.44	-0.65	---	---	---	---	---	---	---	---
4	0.51	-0.58	0.34	-0.61	---	---	---	---	---	---	---	---
5	0.44	-0.58	0.13	-1.06	---	---	---	---	---	---	---	---
6	-0.07	-1.21	0.18	-0.87	---	---	---	---	---	---	---	---
7	-0.34	-1.23	0.29	-0.82	---	---	---	---	---	---	---	---
8	-0.19	-1.08	0.32	-0.97	---	---	---	---	---	---	---	---
9	0.02	-1.03	---	---	---	---	---	---	---	---	---	---
10	0.18	-0.96	---	---	---	---	---	---	---	---	---	---
11	0.49	-0.90	---	---	---	---	---	---	---	---	---	---
12	0.54	-0.69	---	---	---	---	---	---	---	---	---	---
13	0.14	-0.81	---	---	---	---	---	---	---	---	---	---
14	0.49	-1.07	---	---	---	---	---	---	---	---	---	---
15	0.25	-0.92	---	---	---	---	---	---	---	---	---	---
16	-0.17	-0.99	---	---	---	---	---	---	---	---	---	---
17	-0.20	-1.27	---	---	---	---	---	---	---	---	---	---
18	0.39	-1.18	---	---	---	---	---	---	---	---	---	---
19	0.29	-0.69	---	---	---	---	---	---	---	---	---	---
20	0.17	-0.90	---	---	---	---	---	---	---	---	---	---
21	-0.38	-1.38	---	---	---	---	---	---	---	---	---	---
22	-0.06	-0.89	---	---	---	---	---	---	---	---	---	---
23	-0.19	-1.14	---	---	---	---	---	---	---	---	---	---
24	0.18	-1.06	---	---	---	---	---	---	---	---	---	---
25	0.23	-1.00	---	---	---	---	---	---	---	---	---	---
26	0.15	-1.07	---	---	---	---	---	---	---	---	---	---
27	0.12	-1.11	---	---	---	---	---	---	---	---	---	---
28	0.74	-1.17	---	---	---	---	---	---	---	---	---	---
29	1.15	-0.58	---	---	---	---	---	---	---	---	---	---
30	0.90	-0.39	---	---	---	---	---	---	---	---	---	---
31	---	---	---	---	---	---	---	---	---	---	---	---
Month	1.15	-1.38	---	---	---	---	---	---	---	---	---	---

02293205 CALOOSAHATCHEE RIVER AT CHANNEL MARKER 52 NR FORT MYERS, FL—Continued



02293205 CALOOSAHATCHEE RIVER AT CHANNEL MARKER 52 NR FORT MYERS, FL—Continued

**DISCHARGE, TIDALLY FILTERED, 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	5,420	4,980	-979	-386	4,310	5,150	2,280	1,260	---	---	---	---
2	7,400	5,100	-1,500	459	1,490	3,430	1,400	2,250	---	---	---	---
3	7,830	3,470	-2,030	1,180	1,790	2,040	1,040	2,930	---	---	---	---
4	6,970	2,170	-2,480	2,200	39	1,270	3,370	3,190	---	---	---	---
5	6,420	2,770	-1,540	1,090	-21	2,240	4,260	3,320	---	---	---	---
6	7,260	3,800	-1,410	23	1,080	4,770	2,930	2,130	---	---	---	---
7	8,040	5,670	-383	496	2,390	2,160	589	1,890	---	---	---	---
8	8,450	5,300	573	-2,130	4,670	-54	-477	2,380	---	---	---	---
9	8,270	3,180	815	-3,770	2,010	-1,200	138	---	---	---	---	---
10	7,500	1,500	2,940	-3,130	-512	-1,970	274	---	---	---	---	---
11	6,540	656	4,740	-1,670	1,170	-396	1,990	---	---	---	---	---
12	5,490	-332	4,230	133	3,540	4,220	5,100	---	---	---	---	---
13	3,920	-1,570	4,610	1,560	4,980	6,300	3,170	---	---	---	---	---
14	3,060	-2,840	2,020	1,470	4,440	3,620	448	---	---	---	---	---
15	3,750	-1,170	-870	809	2,760	68	1,800	---	---	---	---	---
16	5,280	2,010	-461	1,170	3,500	-339	1,940	---	---	---	---	---
17	6,230	2,480	1,750	2,930	3,320	50	1,640	---	---	---	---	---
18	5,700	3,490	3,200	2,750	1,200	1,770	860	---	---	---	---	---
19	5,380	2,460	1,610	-435	1,190	2,250	4,370	---	---	---	---	---
20	5,660	1,230	2,920	-1,230	528	2,630	5,160	---	---	---	---	---
21	4,700	3,060	6,430	1,250	444	3,710	2,820	---	---	---	---	---
22	2,720	3,190	2,650	5,030	2,610	1,180	1,860	---	---	---	---	---
23	1,340	148	344	2,910	2,970	2,270	1,630	---	---	---	---	---
24	767	-199	877	595	2,460	4,700	-423	---	---	---	---	---
25	175	-1,150	2,110	-602	1,160	5,840	-540	---	---	---	---	---
26	757	-1,180	4,230	-26	2,980	3,750	-117	---	---	---	---	---
27	1,940	1,180	2,470	-154	3,750	2,030	-246	---	---	---	---	---
28	3,290	2,880	-1,270	-1,500	4,290	1,370	-433	---	---	---	---	---
29	4,700	2,080	3,440	-847	---	430	1,720	---	---	---	---	---
30	4,470	-14	3,780	2,250	---	495	2,870	---	---	---	---	---
31	4,200	---	-134	6,010	---	1,440	---	---	---	---	---	---
Total	153,629	54,349	42,682	18,435	64,538	65,224	51,423	---	---	---	---	---
Mean	4,956	1,812	1,377	595	2,305	2,104	1,714	---	---	---	---	---

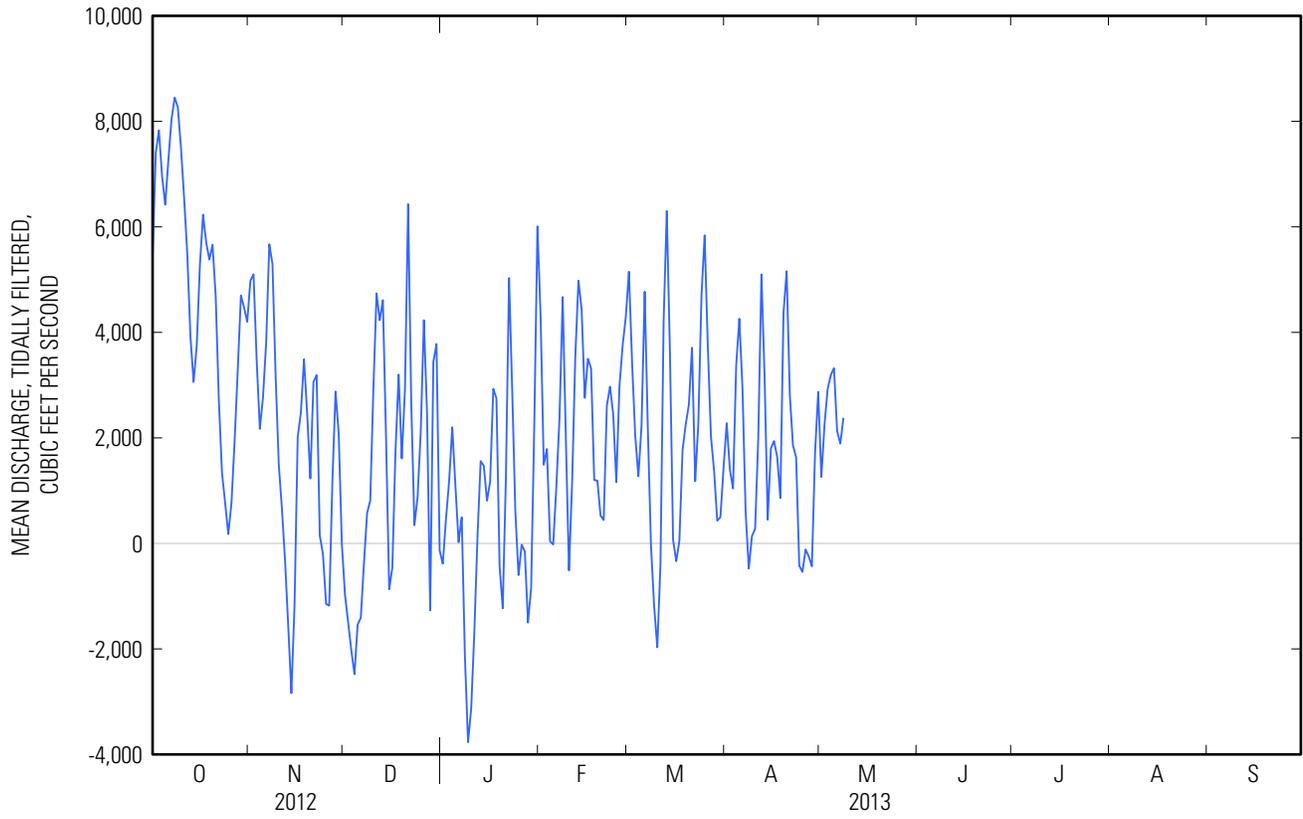
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2008 - 2013, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	1,638	2.76	336	779	1,051	1,330	1,319	1,359	1,185	2,531	4,632	3,188

SUMMARY STATISTICS

	Calendar Year 2012		Water Years 2008 - 2013	
Annual total	532,352			
Annual mean	1,455		698	
Highest daily mean	15,000	Aug 28	26,000	Aug 23, 2008
Lowest daily mean	-5,890	May 1	-6,570	Oct 20, 2009
Annual seven-day minimum	-3,480	Apr 27	-3,480	Apr 27, 2012
10 percent exceeds	5,440		3,880	
50 percent exceeds	1,220		391	
90 percent exceeds	-2,160		-2,370	

02293205 CALOOSAHATCHEE RIVER AT CHANNEL MARKER 52 NR FORT MYERS, FL—Continued



02293205 CALOOSAHATCHEE RIVER AT CHANNEL MARKER 52 NR FORT MYERS, FL—Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--

SALINITY (TOP, BOTTOM): October 2007 to September 2010. Discontinued.

WATER TEMPERATURE (TOP, BOTTOM): October 2007 to September 2010. Discontinued.

REMARKS.--Salinity and water temperature sensors were located at surface (TOP) and -9.5 ft NAVD88 (BOTTOM). During periods of missing record, values may be higher or lower than the listed extremes. Salinity and water temperature 15 minute data are available in files of the U.S. Geological Survey.

Data can also be accessed online at <http://sofia.usgs.gov/>. 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, 28.6 ppt Feb. 12, May 30, 2008; minimum recorded, 0.0 ppt Aug. 19, 2008.

SALINITY (BOTTOM): Maximum recorded, 30.1 ppt Mar. 15, 2008; minimum recorded, 0.1 PPT several days in 2008.

WATER TEMPERATURE (TOP): Maximum recorded, 34.3 °C Aug. 4, 2009; minimum recorded, 8.6 °C Jan. 11, 12, 2010.

WATER TEMPERATURE (BOTTOM): Maximum recorded, 33.0 °C July 15, 2009; minimum recorded, 9.2 °C Jan 11, 12, 2010.