

Water-Data Report 2011

251152080370900 EAST CREEK NEAR HOMESTEAD, FL

Southern Florida Basin
Everglades Subbasin

LOCATION.--Lat 25°11'53.56", long 80°37'08.74" referenced to North American Datum of 1927, Miami-Dade County, FL, Hydrologic Unit 03090202, FL, northeast part of Little Madeira Bay approximately 26 mi, northwest of the KeyLargo Ranger Station located at 98650 Overseas Highway, Key Largo, FL 33037.

DRAINAGE AREA.--Indeterminate

SURFACE-WATER RECORDS

PERIOD OF RECORD.--May 2006 to current year.

GAGE.--Acoustic Doppler velocity meter with up-looking acoustic stage sensor. Datum of gage is North American Vertical Datum of 1988 (NAVD 88).

REMARKS.--Record rated poor. During periods of missing record, values may be higher or lower than the listed extremes. Daily mean discharge is not published. The discharge for this station is more affected by wind than astronomical tides. Discharge at wind-driven sites may require a different filter (subtidal) than the Godin low-pass filter. Mean monthly discharge tables for the period of record are published. Mean monthly discharge tables only include months with a complete record of daily mean discharges. Discharge and gage height records are available in the files of the U.S. Geological Survey. Discharge and gage height 15 minute data and mean monthly discharge data can also be accessed online at <http://sofia.usgs.gov/>. Gage height daily values are available online at <http://waterdata.usgs.gov/nwis>.

EXTREMES FOR PERIOD OF RECORD.--

DISCHARGE: Maximum positive discharge, 288 ft³/s Oct. 1, 2007; maximum negative, 282 ft³/s Aug. 18, 2008.

GAGE HEIGHT: Maximum gage height, 0.93 ft Aug. 19, 2008; minimum, -1.95 ft Jan. 31, 2009.

EXTREMES FOR CURRENT YEAR.--

DISCHARGE: Maximum positive discharge, 253 ft³/s Oct. 5; maximum negative, 195 ft³/s May 17.

GAGE HEIGHT: Maximum gage height, 0.37 ft Aug. 27; minimum, -1.79 ft Feb. 13.

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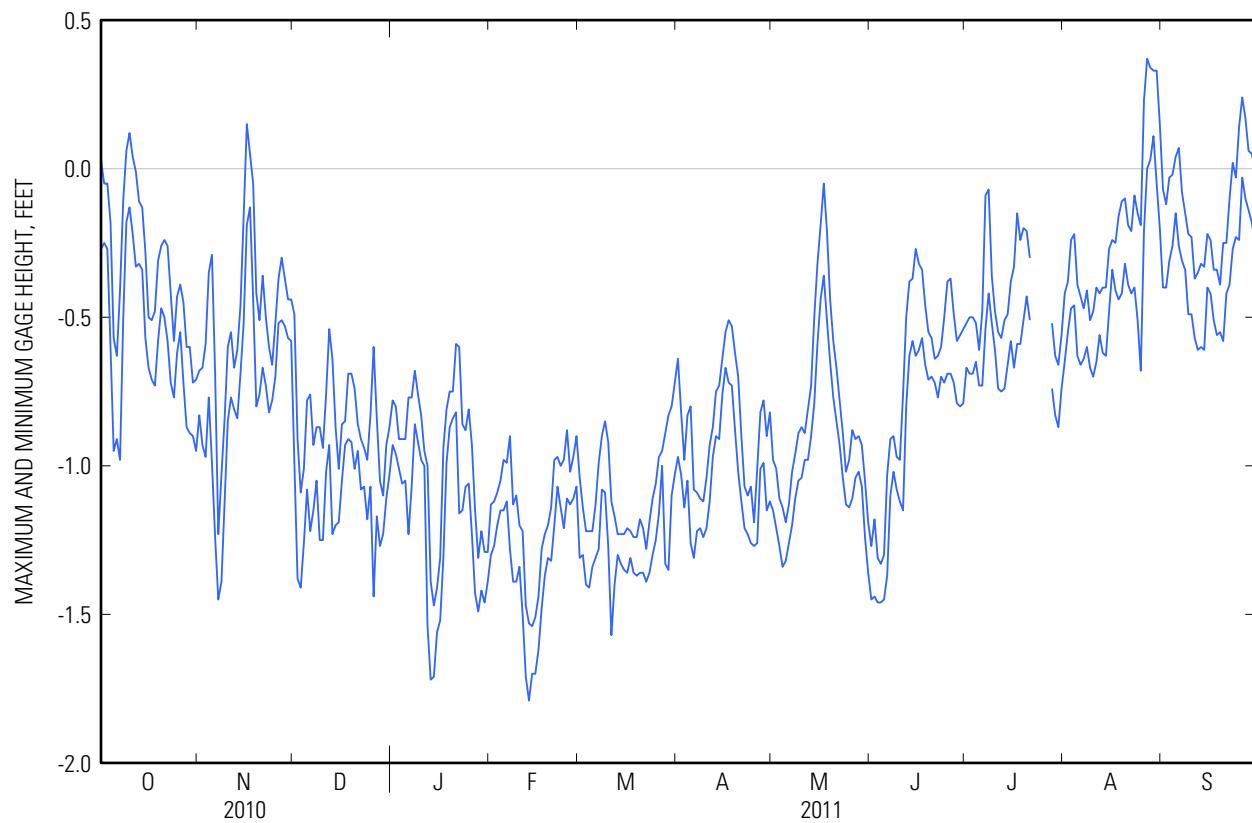
GAGE HEIGHT, FEET
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011

Day	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min
	October		November		December		January		February		March	
1	0.03	-0.27	-0.68	-0.83	-0.49	-0.99	-0.78	-0.93	-1.13	-1.30	-1.04	-1.31
2	-0.05	-0.25	-0.67	-0.93	-0.91	-1.38	-0.80	-0.96	-1.12	-1.27	-1.14	-1.30
3	-0.05	-0.27	-0.59	-0.97	-1.09	-1.41	-0.91	-1.01	-1.09	-1.20	-1.22	-1.40
4	-0.18	-0.60	-0.35	-0.77	-1.01	-1.26	-0.91	-1.06	-1.05	-1.15	-1.22	-1.41
5	-0.57	-0.95	-0.29	-0.99	-0.78	-1.08	-0.91	-1.05	-0.98	-1.15	-1.22	-1.34
6	-0.63	-0.91	-0.69	-1.24	-0.76	-1.22	-0.77	-1.23	-0.99	-1.12	-1.13	-1.31
7	-0.41	-0.98	-1.23	-1.45	-0.93	-1.15	-0.77	-1.07	-0.90	-1.28	-0.99	-1.28
8	-0.11	-0.51	-1.03	-1.39	-0.87	-1.05	-0.68	-0.86	-1.13	-1.39	-0.90	-1.08
9	0.06	-0.18	-0.84	-1.12	-0.87	-1.25	-0.76	-0.92	-1.10	-1.39	-0.85	-1.09
10	0.12	-0.13	-0.60	-0.85	-0.94	-1.25	-0.83	-0.98	-1.20	-1.34	-0.92	-1.27
11	0.04	-0.22	-0.55	-0.77	-0.76	-1.02	-0.95	-1.00	-1.22	-1.50	-1.12	-1.57
12	-0.01	-0.33	-0.67	-0.81	-0.54	-0.93	-1.00	-1.54	-1.47	-1.71	-1.17	-1.40
13	-0.11	-0.32	-0.61	-0.84	-0.64	-1.23	-1.39	-1.72	-1.53	-1.79	-1.23	-1.30
14	-0.13	-0.34	-0.46	-0.69	-0.87	-1.20	-1.47	-1.71	-1.54	-1.70	-1.23	-1.33
15	-0.28	-0.57	-0.16	-0.52	-1.01	-1.19	-1.41	-1.56	-1.51	-1.70	-1.23	-1.35
16	-0.50	-0.67	0.15	-0.19	-0.86	-1.05	-1.31	-1.52	-1.44	-1.62	-1.21	-1.36
17	-0.51	-0.71	0.05	-0.13	-0.85	-0.93	-0.94	-1.31	-1.28	-1.48	-1.22	-1.31
18	-0.48	-0.73	-0.05	-0.44	-0.69	-0.91	-0.81	-0.99	-1.23	-1.37	-1.24	-1.36
19	-0.31	-0.58	-0.42	-0.80	-0.69	-0.92	-0.75	-0.87	-1.20	-1.31	-1.24	-1.37
20	-0.26	-0.47	-0.51	-0.76	-0.74	-1.01	-0.75	-0.84	-1.14	-1.32	-1.18	-1.36
21	-0.24	-0.50	-0.36	-0.67	-0.86	-0.95	-0.59	-0.82	-0.98	-1.20	-1.21	-1.36
22	-0.26	-0.58	-0.50	-0.73	-0.91	-1.08	-0.60	-1.16	-0.97	-1.07	-1.28	-1.39
23	-0.42	-0.72	-0.60	-0.82	-0.94	-1.07	-0.86	-1.15	-1.00	-1.14	-1.19	-1.36
24	-0.58	-0.77	-0.66	-0.78	-0.98	-1.18	-0.88	-1.07	-0.98	-1.21	-1.11	-1.30
25	-0.43	-0.62	-0.52	-0.70	-0.83	-1.07	-0.81	-1.06	-0.88	-1.11	-1.06	-1.25
26	-0.39	-0.55	-0.37	-0.52	-0.60	-1.44	-0.93	-1.23	-1.02	-1.13	-0.97	-1.16
27	-0.45	-0.72	-0.30	-0.51	-0.84	-1.17	-1.15	-1.43	-0.97	-1.11	-0.95	-1.00
28	-0.60	-0.87	-0.37	-0.53	-1.05	-1.27	-1.31	-1.49	-0.90	-1.07	-0.89	-1.33
29	-0.60	-0.89	-0.44	-0.57	-1.10	-1.23	-1.22	-1.42	---	---	-0.83	-1.35
30	-0.72	-0.90	-0.44	-0.58	-0.93	-1.11	-1.29	-1.46	---	---	-0.80	-1.10
31	-0.71	-0.95	---	---	-0.87	-1.03	-1.29	-1.39	---	---	-0.72	-1.03
Month	0.12	-0.98	0.15	-1.45	-0.49	-1.44	-0.59	-1.72	-0.88	-1.79	-0.72	-1.57

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GAGE HEIGHT, FEET
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011

Day	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min
	April		May		June		July		August		September	
1	-0.64	-0.97	-0.98	-1.15	-1.27	-1.45	-0.52	-0.67	-0.42	-0.65	-0.07	-0.40
2	-0.82	-1.03	-1.01	-1.21	-1.18	-1.44	-0.50	-0.69	-0.38	-0.55	-0.12	-0.40
3	-0.98	-1.14	-1.11	-1.27	-1.31	-1.46	-0.50	-0.69	-0.24	-0.47	-0.03	-0.31
4	-0.83	-1.05	-1.14	-1.34	-1.33	-1.46	-0.52	-0.65	-0.22	-0.46	-0.02	-0.26
5	-0.80	-1.26	-1.19	-1.32	-1.30	-1.45	-0.61	-0.73	-0.39	-0.63	0.04	-0.15
6	-1.08	-1.31	-1.13	-1.26	-1.03	-1.37	-0.48	-0.73	-0.43	-0.66	0.07	-0.26
7	-1.09	-1.22	-1.02	-1.20	-0.91	-1.10	-0.09	-0.54	-0.47	-0.64	-0.08	-0.31
8	-1.11	-1.21	-0.96	-1.11	-0.90	-1.02	-0.07	-0.42	-0.41	-0.60	-0.15	-0.34
9	-1.12	-1.24	-0.89	-1.05	-0.97	-1.08	-0.36	-0.52	-0.51	-0.67	-0.22	-0.49
10	-1.04	-1.21	-0.87	-1.04	-0.98	-1.12	-0.48	-0.61	-0.48	-0.70	-0.23	-0.49
11	-0.93	-1.12	-0.89	-0.98	-0.76	-1.15	-0.55	-0.74	-0.40	-0.65	-0.37	-0.57
12	-0.87	-0.97	-0.81	-0.98	-0.50	-0.80	-0.57	-0.75	-0.42	-0.56	-0.35	-0.61
13	-0.75	-0.90	-0.73	-0.90	-0.38	-0.63	-0.51	-0.74	-0.40	-0.62	-0.32	-0.60
14	-0.73	-0.91	-0.50	-0.79	-0.37	-0.58	-0.49	-0.66	-0.40	-0.63	-0.33	-0.61
15	-0.64	-0.76	-0.32	-0.59	-0.27	-0.63	-0.38	-0.58	-0.27	-0.48	-0.22	-0.40
16	-0.55	-0.67	-0.19	-0.44	-0.32	-0.61	-0.33	-0.67	-0.24	-0.34	-0.24	-0.42
17	-0.51	-0.72	-0.05	-0.36	-0.34	-0.57	-0.15	-0.59	-0.25	-0.41	-0.34	-0.51
18	-0.53	-0.73	-0.21	-0.51	-0.46	-0.66	-0.24	-0.59	-0.16	-0.44	-0.34	-0.56
19	-0.62	-0.88	-0.44	-0.65	-0.55	-0.71	-0.20	-0.51	-0.11	-0.42	-0.39	-0.55
20	-0.70	-1.02	-0.58	-0.77	-0.57	-0.70	-0.21	-0.43	-0.10	-0.32	-0.25	-0.58
21	-0.90	-1.12	-0.67	-0.85	-0.64	-0.72	-0.30	-0.51	-0.19	-0.39	-0.25	-0.42
22	-1.07	-1.21	-0.78	-0.93	-0.63	-0.77	---	---	-0.21	-0.42	-0.10	-0.39
23	-1.10	-1.23	-0.89	-1.04	-0.60	-0.70	---	---	-0.09	-0.40	0.02	-0.27
24	-1.07	-1.26	-1.02	-1.13	-0.50	-0.72	---	---	-0.15	-0.51	-0.03	-0.23
25	-1.19	-1.27	-0.98	-1.14	-0.38	-0.69	---	---	-0.19	-0.68	0.14	-0.24
26	-1.01	-1.26	-0.88	-1.11	-0.37	-0.69	---	---	0.23	-0.21	0.24	-0.03
27	-0.82	-1.01	-0.91	-1.04	-0.49	-0.72	---	---	0.37	0.00	0.17	-0.10
28	-0.78	-0.99	-0.90	-1.02	-0.58	-0.79	-0.52	-0.74	0.34	0.03	0.06	-0.14
29	-0.90	-1.15	-0.93	-1.07	-0.56	-0.80	-0.63	-0.83	0.33	0.11	0.05	-0.18
30	-0.82	-1.12	-1.05	-1.24	-0.54	-0.79	-0.66	-0.87	0.33	-0.05	0.00	-0.25
31	---	---	-1.19	-1.36	---	---	-0.56	-0.74	0.15	-0.20	---	---
Month	-0.51	-1.31	-0.05	-1.36	-0.27	-1.46	---	---	0.37	-0.70	0.24	-0.61

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251152080370900 EAST CREEK NEAR HOMESTEAD, FL—Continued

**DISCHARGE, CUBIC FEET PER SECOND
MONTHLY MEAN VALUES**

2006	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	---	---	---	---	---	---	---	---	---	99.1	60.0	107

**DISCHARGE, CUBIC FEET PER SECOND
MONTHLY MEAN VALUES**

2007	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	45.1	17.9	10.9	4.41	0.42	2.48	4.43	3.15	63.4	86.1	53.5	27.9

SUMMARY STATISTICS

	Water Year 2007	Water Years 2006 - 2007
Annual mean	26.8	26.8

**DISCHARGE, CUBIC FEET PER SECOND
MONTHLY MEAN VALUES**

2008	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	110	39.6	2.38	2.65	4.61	-7.77	-19.7	-20.5	1.16	-26.1	36.3	---

SUMMARY STATISTICS

	Calendar Year 2007	Water Years 2006 - 2008
Annual mean	33.4	26.8

**DISCHARGE, CUBIC FEET PER SECOND
MONTHLY MEAN VALUES**

2009	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	---	51.5	43.6	11.0	-3.17	-18.1	-3.35	-36.1	---	---	47.7	79.8

SUMMARY STATISTICS

	Water Years 2006 - 2009
Annual mean	26.8

**DISCHARGE, CUBIC FEET PER SECOND
MONTHLY MEAN VALUES**

2010	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	63.9	28.5	84.9	60.9	55.3	28.8	-3.61	-8.59	-1.20	41.1	67.6	90.2

SUMMARY STATISTICS

	Water Year 2010	Water Years 2006 - 2010
Annual mean	42.4	34.6

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**DISCHARGE, CUBIC FEET PER SECOND
MONTHLY MEAN VALUES**

2011	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	120	49.5	25.6	29.1	3.29	-9.54	-17.1	-14.5	-30.4	31.0	20.5	71.4

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2006 - 2011, BY WATER YEAR (WY)

Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	
Mean	84.8	37.4	33.5	21.6	12.0	-0.82	-7.88	-15.3	8.25	46.3	47.6	75.2

SUMMARY STATISTICS

	Calendar Year 2010	Water Year 2011	Water Years 2006 - 2011
Annual mean	43.8	23.5	30.9