



Water-Data Report 2011

**01484696 JEFFERSON CREEK AT SOUTH BETHANY, DE**

Upper Chesapeake Basin  
Chincoteague Subbasin

LOCATION.--Lat 38°30'48.8", long 75°03'44.4" referenced to North American Datum of 1983, Sussex County, DE, Hydrologic Unit 02060010, near mouth of canal off Jefferson Creek, at bulkhead at the end of West 1st Street at South Bethany.

DRAINAGE AREA.--Not determined.

**SURFACE-WATER RECORDS**

PERIOD OF RECORD.--July 1999 to current year.

GAGE.--Water-stage recorder. Datum of gage is 0.00 ft above National Geodetic Vertical Datum of 1929.

REMARKS.--Records good. This is a tidal station. Discharges are not determined at this location. U.S. Geological Survey satellite collection platform at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum elevation, 3.52 ft, Sept. 19, 2003; minimum elevation, -1.10 ft, Feb. 6, 2007.

EXTREMES FOR CURRENT YEAR.--Maximum elevation, 3.12 ft, Aug. 28; minimum elevation, -0.62 ft, Jan. 13.

**01484696 JEFFERSON CREEK AT SOUTH BETHANY, DE—Continued**
**GAGE HEIGHT, FEET**  
**WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011**

Day	High-high	Low-low										
	October		November		December		January		February		March	
1	2.05	0.92	1.10	-0.14	2.25	1.04	0.87	0.04	1.25	0.20	1.15	0.32
2	1.71	0.92	1.23	0.42	1.40	0.66	1.12	0.33	1.95	0.72	1.27	0.49
3	1.71	0.54	1.43	0.55	1.30	0.43	1.01	0.21	0.87	0.28	0.72	-0.05
4	2.48	1.16	2.00	0.79	1.57	0.64	1.19	0.24	1.07	0.19	0.94	0.18
5	2.41	1.60	2.30	1.42	1.51	0.68	0.66	0.00	0.97	0.21	1.25	0.35
6	1.92	1.19	1.55	0.80	1.30	0.49	1.21	0.24	1.11	0.09	1.37	0.74
7	1.77	0.92	1.42	0.52	0.45	-0.06	1.80	0.97	0.58	-0.04	1.82	0.11
8	1.53	0.68	1.40	0.59	0.56	-0.23	2.00	1.27	1.18	0.14	0.58	0.02
9	1.44	0.58	1.67	0.62	0.61	0.00	1.63	0.23	0.34	-0.34	1.04	0.41
10	1.96	0.82	1.91	1.02	0.74	-0.02	0.54	-0.13	0.10	-0.30	2.02	1.39
11	1.74	0.89	2.53	1.50	0.98	0.27	0.62	-0.04	0.90	0.32	2.60	1.18
12	1.83	0.84	2.79	2.07	1.82	1.27	1.19	0.70	0.96	0.25	1.76	1.09
13	1.85	0.85	2.57	1.87	1.78	1.21	-0.47	-0.62	0.60	-0.21	1.05	0.25
14	1.87	1.04	2.08	1.44	1.06	0.47	0.59	-0.61	0.69	0.04	0.78	0.08
15	1.82	1.20	2.01	1.39	0.70	0.18	0.96	0.13	0.13	-0.50	0.94	0.07
16	0.67	-0.25	1.91	1.25	0.71	0.03	0.66	0.18	0.89	-0.19	1.50	0.50
17	1.47	0.40	2.12	1.13	1.11	0.32	0.71	-0.02	0.80	0.13	0.99	0.36
18	1.43	0.75	0.76	0.08	1.13	0.37	1.62	0.31	1.18	0.39	1.14	0.40
19	1.41	0.68	0.82	-0.14	1.32	0.39	1.74	0.86	1.10	0.39	0.66	0.02
20	1.63	0.77	1.20	0.41	1.69	0.67	1.27	0.53	0.48	-0.27	0.97	0.17
21	1.84	1.00	0.78	-0.05	1.57	0.71	1.38	0.50	1.52	0.68	1.46	0.61
22	1.42	0.62	1.50	0.38	2.08	1.09	0.94	0.23	1.58	0.79	1.43	0.46
23	1.00	0.20	1.51	0.62	1.83	0.77	1.02	0.22	1.54	0.52	1.55	0.78
24	0.73	-0.12	1.09	0.23	1.72	0.72	0.90	0.29	1.36	0.77	2.02	1.26
25	1.48	0.47	1.31	0.30	1.99	1.26	0.89	0.29	2.01	---	1.97	0.88
26	1.50	0.59	1.80	1.07	1.71	0.85	1.11	0.10	0.95	0.39	1.46	0.61
27	1.63	0.82	1.51	0.71	2.08	1.36	1.88	1.32	1.02	0.09	1.22	0.46
28	1.28	0.42	0.97	0.24	0.94	0.79	1.53	0.81	1.89	0.53	0.78	0.16
29	0.97	-0.02	1.10	0.40	0.42	-0.07	1.30	0.47	---	---	0.67	-0.12
30	1.36	0.38	1.52	0.46	0.98	0.11	1.28	0.47	---	---	0.75	0.12
31	0.68	-0.12	---	---	1.09	0.36	0.96	0.24	---	---	1.49	0.22
<b>Max</b>	2.48	1.60	2.79	2.07	2.25	1.36	2.00	1.32	2.01	---	2.60	1.39
<b>Min</b>	0.67	-0.25	0.76	-0.14	0.42	-0.23	-0.47	-0.62	0.10	---	0.58	-0.12

**01484696 JEFFERSON CREEK AT SOUTH BETHANY, DE—Continued**
**GAGE HEIGHT, FEET**  
**WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011**

Day	High-high	Low-low										
	April		May		June		July		August		September	
1	2.00	1.07	1.36	0.53	1.26	0.68	1.61	0.66	1.66	0.97	1.59	0.76
2	1.40	0.61	1.34	0.77	1.46	0.15	1.59	0.79	1.58	0.84	1.79	0.92
3	0.50	0.02	1.58	0.85	0.94	0.31	1.67	0.91	1.63	0.94	1.97	1.06
4	1.30	0.56	1.86	0.53	1.18	0.55	1.70	0.89	1.83	1.12	1.77	0.88
5	1.83	0.27	1.32	0.27	1.52	0.82	1.63	0.97	1.77	1.05	1.80	0.89
6	0.89	0.26	1.24	0.58	1.62	0.79	1.62	0.90	1.72	0.92	1.58	0.59
7	1.02	0.13	1.46	0.55	1.58	0.90	1.58	0.77	1.62	0.77	2.02	1.16
8	1.17	0.34	1.42	0.68	1.59	0.81	1.72	0.85	1.78	0.87	1.87	1.07
9	1.16	0.56	1.52	0.80	1.64	0.82	1.65	0.75	2.04	1.22	2.00	1.25
10	1.40	0.61	1.84	0.99	1.53	0.72	1.61	0.73	1.84	1.04	1.85	1.07
11	1.46	0.89	2.16	1.46	1.86	0.91	1.83	0.83	1.73	0.78	1.87	1.23
12	1.06	0.20	2.28	1.50	1.99	1.13	1.43	0.48	1.64	0.84	2.08	1.23
13	1.52	0.17	2.16	1.42	1.84	0.82	1.53	0.66	1.40	0.85	1.85	1.16
14	1.57	0.71	2.08	1.25	1.58	0.86	1.27	0.77	1.73	1.04	1.81	1.13
15	1.28	0.41	2.24	1.50	1.93	0.98	1.86	1.13	2.04	1.20	1.81	0.55
16	2.63	0.67	1.90	1.32	1.97	1.31	1.81	1.01	1.89	1.05	1.66	1.04
17	2.19	1.40	2.14	1.35	2.24	0.99	1.62	0.89	1.69	0.95	1.50	0.77
18	1.31	0.67	2.23	1.40	1.81	0.97	1.43	0.72	1.58	0.78	1.63	0.66
19	1.64	0.46	2.20	1.15	1.82	1.07	1.30	0.51	1.50	0.74	2.18	1.44
20	1.57	0.75	1.90	0.81	1.88	0.99	1.47	0.83	1.48	0.69	1.86	1.20
21	1.54	0.33	1.63	0.89	1.72	1.03	1.69	1.01	1.71	0.85	1.66	0.81
22	1.05	0.27	1.67	0.96	1.60	0.94	1.29	0.53	1.33	0.43	1.68	0.91
23	1.47	0.72	2.15	1.49	1.66	1.05	1.29	0.46	1.41	0.46	1.80	0.83
24	1.29	0.50	1.85	0.96	1.91	1.18	1.38	0.65	1.49	0.64	1.53	0.75
25	1.17	0.29	1.50	0.78	1.93	1.11	1.68	0.81	1.48	0.78	1.53	0.71
26	1.51	0.80	1.78	1.03	1.73	1.00	1.84	1.01	1.29	0.45	1.72	0.90
27	1.77	0.90	1.73	1.18	1.70	0.84	1.67	0.77	1.17	0.62	1.81	1.07
28	1.86	1.17	1.49	0.74	1.87	0.89	1.70	0.81	3.12	---	2.09	1.29
29	1.23	0.53	1.50	0.89	1.64	0.74	1.69	0.84	---	0.50	2.44	1.54
30	1.17	0.29	1.17	0.35	1.33	0.78	1.44	0.77	1.38	0.62	2.12	1.25
31	---	---	0.84	0.28	---	---	1.61	0.94	1.54	0.74	---	---
<b>Max</b>	2.63	1.40	2.28	1.50	2.24	1.31	1.86	1.13	3.12	---	2.44	1.54
<b>Min</b>	0.50	0.02	0.84	0.27	0.94	0.15	1.27	0.46	---	---	1.50	0.55

**01484696 JEFFERSON CREEK AT SOUTH BETHANY, DE—Continued**

