



Water-Data Report 2010

01411435 SLUICE CREEK NEAR SOUTH DENNIS, NJ

DENNIS CREEK BASIN

LOCATION.--Lat 39°09'42", long 74°49'55" referenced to North American Datum of 1983, Middle Township, Cape May County, NJ, Hydrologic Unit 02040206, on left upstream wingwall of bridge on State Route 47, 1.2 mi southwest of South Dennis, 1.6 mi upstream from Dennis Creek, and 3.3 mi upstream from Delaware Bay.

DRAINAGE AREA.--9.37 mi².

SURFACE-WATER RECORDS

PERIOD OF RECORD.--Unpublished fragmentary gage-height record, April 1997 to February 2000. Continuous-record tide gage, March 2000 to current year.

GAGE.--Tide level recorder and tidal crest-stage gage. Datum of gage is at 0.00 ft NAVD of 1988. To determine approximate elevations to NGVD of 1929, add 1.27 ft. To determine approximate elevations to Mean Lower Low Water datum, add 3.38 ft (revised to Tidal Epoch 1983-2001).

REMARKS.--Missing gage-height record Jan 4-6, Feb 1 and 13, and short portions of other days. Summaries for months with short periods of missing gage-height record have been estimated with little or no loss of accuracy. Some periods cannot be estimated and are noted by dashed (---) lines. Satellite telemetry at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum elevation, 3.97 ft, Nov 14, 2009; minimum elevation, -5.65 ft, Mar 1, 2002, although a lower tide likely occurred during period of partially missing record on Feb 17, 2007.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum elevation known, 6.6 ft (adjusted to NAVD of 1988), Sep 27, 1985, from discontinued tidal crest-stage gage on Delaware Bay at Reeds Beach (01411409) 4.5 mi southwest of station.

EXTREMES FOR CURRENT YEAR.--Maximum elevation, 3.97 ft, Nov 14; minimum elevation, -5.61 ft, Jan 30, although a lower tide likely occurred during a period of partially missing record on Jan 30 (elevation could not be accurately estimated).

Statistics of Tide Elevations, in feet
Water Year October 2009 to September 2010
[e, estimated]

Month	Mean High Tide	Mean Water Level	Mean Low Tide
October	2.74	0.81	-2.30
November	2.72	0.75	-2.41
December	2.43	e0.3	e-3.1
CALENDAR YEAR 2009	2.51	0.42	-2.95
January	e2.4	---	---
February	e2.5	---	---
March	2.80	0.84	-2.46
April	2.64	0.47	-3.09
May	2.53	0.30	-3.20
June	2.63	0.50	-2.96
July	2.54	0.34	-3.13
August	2.61	0.54	-2.82
September	2.60	0.56	-2.82
WATER YEAR 2010	2.60	0.55	-2.82

01411435 SLUICE CREEK NEAR SOUTH DENNIS, NJ—Continued

GAGE HEIGHT, FEET
WATER YEAR OCTOBER 2009 TO SEPTEMBER 2010
[e, estimated]

Day	High-high	Mean	Low-low									
	October			November			December			January		
1	2.65	0.35	-2.98	2.81	0.44	-3.53	3.00	0.37	-3.49	3.45	0.75	-3.93
2	2.85	0.51	-3.01	3.33	1.14	-3.03	3.18	0.34	-3.73	3.37	0.56	-3.91
3	2.79	0.66	-2.97	3.66	1.56	-1.85	3.20	0.72	-3.64	2.40	---	---
4	2.88	0.64	-3.17	3.31	0.72	-3.49	2.95	-0.06	-4.43	---	---	---
5	2.84	0.30	-3.46	3.34	0.76	-3.32	3.36	0.64	-4.00	---	---	---
6	2.92	0.34	-3.57	3.00	0.34	-3.40	3.15	0.65	-3.34	---	---	---
7	3.09	0.54	-3.55	3.33	0.90	-2.86	2.92	0.33	-3.29	2.09	---	---
8	2.67	-0.27	-3.84	2.65	-0.07	-3.53	2.44	-0.16	-3.83	---	---	---
9	3.15	0.55	-2.95	2.68	0.05	-3.34	3.10	---	-1.97	---	---	---
10	2.79	0.30	-3.09	2.46	-0.08	-3.40	3.07	0.69	-3.26	---	---	---
11	2.92	0.51	-2.92	3.08	0.96	-2.24	2.01	-1.15	-3.90	2.48	---	---
12	2.73	0.19	-3.14	3.55	1.91	-1.32	1.66	-1.39	-4.77	2.50	---	---
13	2.69	0.39	-2.75	3.90	2.37	0.36	2.44	---	-4.54	2.42	---	---
14	2.90	0.59	-3.78	3.97	2.24	-0.23	---	---	-4.53	2.71	---	---
15	3.45	1.12	-2.70	3.45	1.24	-2.37	3.20	0.68	-3.23	2.73	---	---
16	3.78	2.29	0.02	3.10	0.55	-3.51	2.65	-0.14	-3.68	2.53	---	---
17	3.90	2.27	-0.26	3.16	0.54	-3.53	2.55	-0.51	-4.12	2.73	0.19	-3.48
18	3.70	2.13	-0.38	3.13	0.58	-3.11	2.94	0.10	-3.78	3.23	1.32	-2.08
19	3.52	1.68	-1.93	3.02	0.51	-3.02	3.38	1.24	-2.92	3.11	1.15	-2.24
20	3.13	0.77	-3.45	2.83	0.36	-2.90	3.32	1.42	-1.70	2.80	0.65	-2.70
21	3.03	0.48	-2.99	2.68	0.18	-2.82	2.69	e0.4	e-2.1	2.43	0.41	-2.44
22	2.92	0.48	-2.62	2.64	0.43	-2.26	2.20	---	---	2.64	0.92	-1.71
23	2.64	0.39	-2.58	2.82	1.06	-1.39	2.28	---	---	2.86	0.94	-2.00
24	3.06	1.30	-1.24	2.82	1.20	-1.72	2.31	---	---	2.71	0.47	-2.22
25	2.44	0.07	-2.40	2.67	0.93	-1.76	2.52	0.84	-1.74	2.92	0.86	-3.39
26	2.36	0.27	-2.01	2.65	1.01	-1.88	2.88	1.47	-1.39	3.07	0.58	-1.70
27	2.63	0.82	-1.73	2.90	1.02	-2.20	3.15	1.06	-2.78	2.60	0.03	-3.41
28	2.89	1.48	-0.87	2.11	-0.56	-3.59	2.91	0.42	-2.87	2.99	0.24	-3.94
29	3.14	1.75	-1.72	2.42	-0.06	-4.25	2.38	-1.02	-4.67	2.73	-0.76	-5.39
30	2.95	1.27	-1.92	2.90	0.27	-3.52	2.46	e-0.8	-5.03	2.53	---	-5.61
31	3.00	1.01	-2.22	---	---	---	3.18	---	---	3.68	---	---
Max	3.90	2.29	0.02	3.97	2.37	0.36	3.38	1.47	-1.39	3.68	1.32	-1.70
Min	2.36	-0.27	-3.84	2.11	-0.56	-4.25	1.66	-1.39	-5.03	2.09	---	---

01411435 SLUICE CREEK NEAR SOUTH DENNIS, NJ—Continued

GAGE HEIGHT, FEET
WATER YEAR OCTOBER 2009 TO SEPTEMBER 2010
[e, estimated]

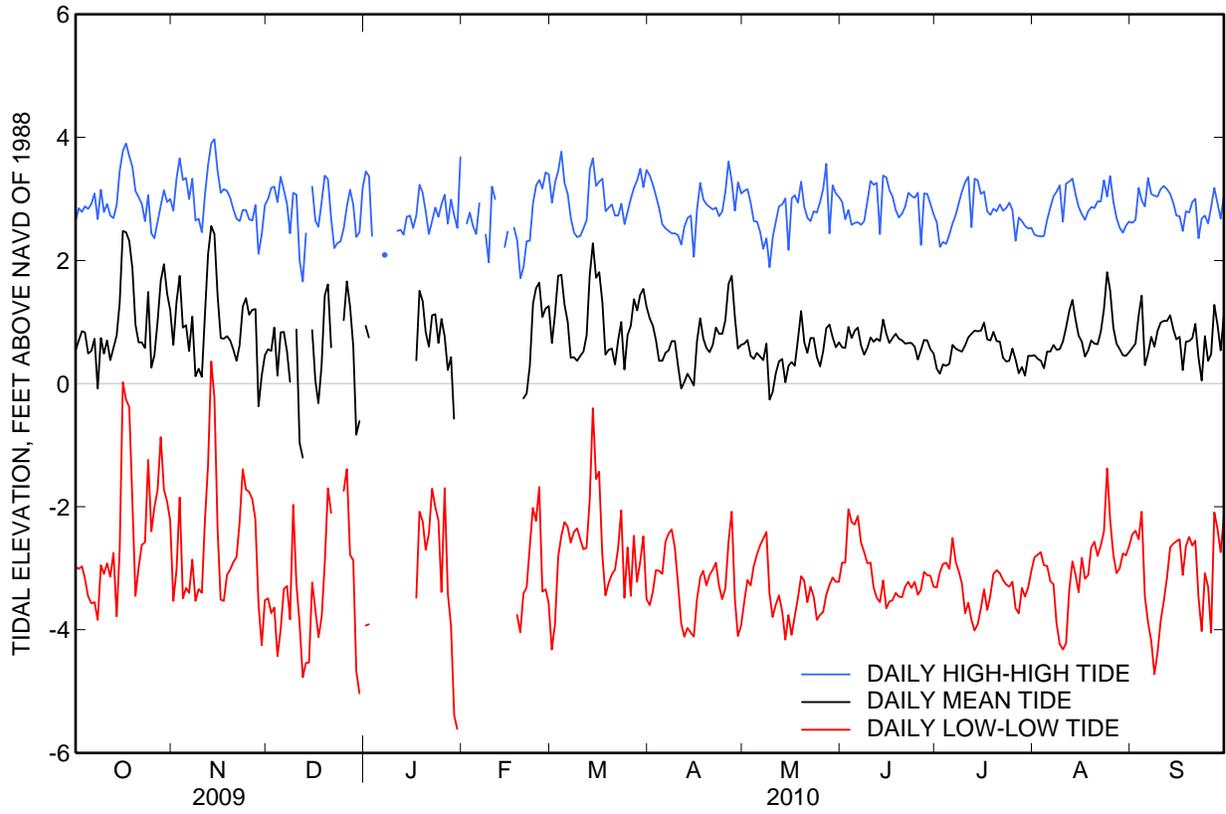
Day	High-high	Mean	Low-low	High-high	Mean	Low-low	High-high	Mean	Low-low	High-high	Mean	Low-low
	February			March			April			May		
1	---	---	---	2.94	0.47	-4.32	3.38	0.87	-3.60	3.13	0.46	-3.54
2	2.60	---	---	3.27	0.94	-3.91	3.23	0.75	-3.39	3.16	0.52	-3.19
3	2.78	---	---	3.46	1.56	-2.82	3.04	0.52	-3.03	2.94	0.26	-3.28
4	2.56	---	---	3.77	1.58	-2.47	2.85	0.18	-3.04	2.64	0.21	-2.97
5	2.43	---	---	3.26	1.09	-2.25	2.59	0.18	-3.09	2.63	0.31	-2.78
6	2.93	---	---	3.08	0.81	-2.32	2.52	0.31	-2.57	2.47	0.25	-2.63
7	---	---	---	2.68	0.23	-2.58	2.48	0.35	-2.44	2.19	0.19	-2.52
8	2.42	---	---	2.45	0.24	-2.41	2.44	0.50	-2.37	2.36	0.46	-2.41
9	1.97	---	---	2.38	0.18	-2.35	2.44	0.50	-2.67	1.89	-0.45	-3.40
10	3.20	---	---	2.40	0.26	-2.53	2.41	0.10	-3.26	2.38	-0.33	-3.79
11	3.00	---	---	2.52	0.33	-2.69	2.26	-0.27	-3.90	2.63	-0.02	-3.59
12	---	---	---	2.66	0.60	-2.67	2.55	-0.16	-4.11	2.88	0.17	-3.44
13	---	---	---	3.48	1.56	-1.89	2.69	-0.03	-3.97	2.91	0.21	-3.70
14	2.22	---	---	3.66	2.09	-0.40	2.73	-0.12	-4.04	3.01	-0.17	-4.16
15	2.47	---	---	3.21	1.53	-1.55	2.06	-0.22	-4.11	2.17	0.10	-3.76
16	---	---	---	3.28	1.62	-1.43	2.82	0.50	-3.50	3.01	0.16	-4.08
17	2.53	---	---	3.33	1.12	-2.77	3.26	0.87	-3.15	3.06	0.10	-3.78
18	2.32	---	-3.76	2.80	0.28	-3.44	2.99	0.54	-3.04	2.94	0.53	-3.48
19	1.71	---	-4.04	2.86	0.36	-3.24	2.91	0.39	-3.28	3.28	0.99	-3.13
20	1.90	-0.43	-3.41	2.91	0.38	-3.10	2.87	0.32	-3.11	2.87	0.48	-3.20
21	2.31	-0.35	-3.31	2.73	0.12	-3.02	2.83	0.44	-3.02	2.69	0.31	-3.55
22	2.32	0.10	-2.64	2.73	0.52	-2.68	2.86	0.72	-2.91	2.64	0.55	-3.30
23	2.93	1.11	-2.02	2.92	0.81	-2.06	2.72	0.62	-3.28	2.80	0.55	-3.46
24	3.22	1.36	-2.23	2.59	0.04	-3.48	2.80	0.62	-3.50	2.78	0.24	-3.84
25	3.31	1.45	-1.68	2.79	0.60	-2.66	3.13	0.84	-3.33	2.95	0.09	-3.76
26	3.17	0.89	-3.38	3.00	0.75	-3.45	3.61	1.43	-2.57	3.17	0.33	-3.71
27	3.43	1.03	-3.34	3.18	1.18	-2.47	3.29	1.56	-2.08	3.57	0.71	-3.43
28	3.40	1.07	-3.56	3.30	1.00	-3.22	2.81	0.89	-3.50	2.44	0.77	-3.27
29	---	---	---	3.49	1.25	-2.90	3.27	0.38	-4.10	3.22	0.56	-3.15
30	---	---	---	3.19	1.35	-2.48	3.09	0.44	-3.93	3.09	0.40	-3.22
31	---	---	---	3.47	1.06	-3.50	---	---	---	3.03	0.48	-3.22
Max	3.43	1.45	-1.68	3.77	2.09	-0.40	3.61	1.56	-2.08	3.57	0.99	-2.41
Min	1.71	---	---	2.38	0.04	-4.32	2.06	-0.27	-4.11	1.89	-0.45	-4.16

01411435 SLUICE CREEK NEAR SOUTH DENNIS, NJ—Continued

GAGE HEIGHT, FEET
WATER YEAR OCTOBER 2009 TO SEPTEMBER 2010
[e, estimated]

Day	High-high	Mean	Low-low	High-high	Mean	Low-low	High-high	Mean	Low-low	High-high	Mean	Low-low
	June			July			August			September		
1	2.95	0.40	-2.91	2.62	0.05	-3.31	2.42	0.27	-2.82	2.61	0.39	-2.45
2	2.67	0.39	-2.91	2.22	-0.03	-3.07	2.40	0.21	-2.78	2.66	0.46	-2.39
3	2.82	0.73	-2.04	2.30	0.12	-2.93	2.39	0.18	-2.74	3.18	0.92	-2.53
4	2.58	0.55	-2.25	2.27	0.10	-2.91	2.40	0.06	-2.95	2.97	1.24	-2.08
5	2.61	0.67	-2.29	2.42	0.13	-3.01	2.66	0.33	-2.96	2.88	0.11	-3.46
6	2.62	0.72	-2.15	2.60	0.44	-2.51	2.86	0.33	-3.21	3.34	0.30	-3.88
7	2.58	0.43	-2.58	2.74	0.38	-2.90	3.04	0.44	-3.26	3.08	0.57	-4.18
8	2.64	0.28	-2.74	2.94	0.35	-3.05	3.12	0.36	-3.89	3.05	0.41	-4.72
9	2.96	0.39	-2.92	3.12	0.33	-3.25	3.22	0.37	-4.23	3.04	0.67	-4.36
10	3.29	0.56	-2.91	3.27	0.43	-3.73	2.63	0.49	-4.32	3.16	0.80	-3.86
11	3.23	0.49	-3.31	3.36	0.56	-3.56	3.25	0.72	-4.22	3.21	0.83	-3.53
12	3.26	0.54	-3.48	2.54	0.62	-3.84	3.28	0.99	-3.35	3.16	0.83	-3.15
13	2.43	0.50	-3.55	3.33	0.67	-4.01	3.33	1.17	-2.89	3.08	0.92	-2.66
14	3.38	0.85	-3.20	3.30	0.66	-3.91	3.07	0.86	-3.10	2.93	0.69	-2.60
15	3.35	0.62	-3.65	3.08	0.67	-3.65	2.87	0.59	-3.39	2.73	0.53	-2.56
16	3.14	0.47	-3.54	3.12	0.80	-3.34	2.75	0.49	-2.83	2.72	0.57	-2.53
17	3.04	0.55	-3.52	2.80	0.53	-3.68	2.66	0.25	-3.17	2.48	0.03	-3.11
18	2.82	0.62	-3.40	2.74	0.51	-3.45	2.80	0.35	-3.11	2.80	0.49	-2.64
19	2.70	0.54	-3.46	2.84	0.65	-3.09	2.87	0.51	-2.66	2.78	0.50	-2.49
20	2.76	0.51	-3.47	2.80	0.50	-3.03	2.85	0.46	-2.57	2.95	0.55	-2.63
21	2.88	0.46	-3.30	2.91	0.49	-3.08	2.96	0.45	-2.80	3.00	0.78	-2.55
22	3.10	0.47	-3.22	2.81	0.23	-3.19	2.96	0.65	-2.63	2.36	0.23	-3.48
23	3.05	0.47	-3.32	2.85	0.17	-3.26	3.30	1.02	-2.40	2.68	-0.14	-4.02
24	3.02	0.41	-3.22	2.94	0.18	-3.30	3.04	1.62	-1.38	2.73	0.58	-3.08
25	3.10	0.20	-3.43	2.82	0.38	-3.22	3.37	1.32	-2.22	2.60	0.18	-3.30
26	2.25	0.36	-3.35	2.32	0.20	-3.65	2.96	0.72	-2.78	2.87	0.29	-4.05
27	3.09	0.52	-3.06	2.70	-0.02	-3.73	2.69	0.46	-3.08	3.18	1.09	-2.09
28	3.08	0.51	-3.11	2.64	0.08	-3.32	2.53	0.37	-3.00	2.93	0.77	-2.36
29	2.92	0.37	-3.12	2.56	-0.06	-3.46	2.45	0.27	-2.76	2.68	0.35	-2.74
30	2.75	0.30	-3.30	2.52	0.26	-3.31	2.57	0.26	-2.79	3.05	0.92	-2.16
31	---	---	---	2.53	0.26	-3.04	2.63	0.32	-2.64	---	---	---
Max	3.38	0.85	-2.04	3.36	0.80	-2.51	3.37	1.62	-1.38	3.34	1.24	-2.08
Min	2.25	0.20	-3.65	2.22	-0.06	-4.01	2.39	0.06	-4.32	2.36	-0.14	-4.72

01411435 SLUICE CREEK NEAR SOUTH DENNIS, NJ—Continued



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