



Water-Data Report 2009

01411350 LUDLAM THOROFARE AT SEA ISLE CITY, NJ

LUDLAM THOROFARE

LOCATION.--Lat 39°09'27", long 74°41'52" referenced to North American Datum of 1983, Sea Isle City, Cape May County, NJ, Hydrologic Unit 02040302, on bulkhead at Sea Isle City Municipal Marina in Sea Isle City, 700 ft southeast of east side of bridge on John F. Kennedy Boulevard (County Route 625) over Ludlam Thorofare, and 0.9 mi south of Ludlam Bay.

SURFACE-WATER RECORDS

PERIOD OF RECORD.--Continuous-record tide gage, May 1975 to May 1978, February 2000 to current year. Annual maximum tide, October 1978 to September 1984. Unpublished fragmentary gage-height record, May 1997 to January 2000.

GAGE.--Tide level and water temperature 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 2.51 ft (revised to Tidal Epoch 1983-2001). From May 1975 to May 1978, tide level recorder located at 44th Street, 800 ft southwest of current station and datum of gage at 0.00 ft NGVD of 1929. From October 1978 to September 1984, tidal crest-stage gage located at 44th Street, 800 ft southwest of current station and datum of gage at 0.00 ft NGVD of 1929. Data published to NGVD of 1929 can be adjusted to NAVD of 1988 by subtracting 1.27 ft. Online peaks have been adjusted to current datum.

REMARKS.--Missing gage-height record on Jan 17 and short portions of other days. Gage was temporarily removed from Jun 3 to Sep 10 due to bulkhead reconstruction. Gage cannot measure tide levels below -3.00 ft. From Jul 25, 2005 to Jun 2, 2009, gage could not measure tide levels below -2.8 ft; from Aug 13, 2003 to Jul 25, 2005, gage could not measure tide levels below -1.50 ft; prior to Aug 13, 2003, gage could not measure tide levels below -2.85 ft. 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 recorded, 6.34 ft (adjusted to NAVD of 1988), Mar 29, 1984, from tidal crest-stage gage; minimum elevation recorded, undetermined, likely occurred Feb 17, 2007 as indicated by nearby reference gages.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum elevation known, 6.14 ft (adjusted to NAVD of 1988), Dec 11, 1992, from high-water marks at northwest end of Third Street just south of Sea Isle City Boulevard leading into Sea Isle City.

EXTREMES FOR CURRENT YEAR.--Maximum elevation recorded, 4.24 ft, Sep 11; minimum elevation recorded, undetermined, likely occurred Jan 8 as indicated by nearby reference gages.

Statistics of Tide Elevations, in feet
Water Year October 2008 to September 2009
[e, estimated]

Month	Mean High Tide	Mean Water Level	Mean Low Tide
October	1.97	0.26	-1.69
November	1.88	0.13	-1.86
December	1.28	---	---
CALENDAR YEAR 2008	1.80	0.04	-1.93
January	1.46	---	---
February	1.52	---	---
March	1.78	e-0.0	e-2.0
April	1.88	---	---
May	1.82	-0.10	-2.10
June	---	---	---
July	---	---	---
August	---	---	---
September	---	---	---
WATER YEAR 2009	---	---	---

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GAGE HEIGHT, FEET
WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009

[e, estimated]

Day	High-high	Mean	Low-low									
	October			November			December			January		
1	2.88	0.63	-1.56	1.63	-0.73	-2.75	2.50	0.20	-1.94	1.27	-0.73	-2.74
2	2.31	0.04	-1.99	2.50	0.25	-1.54	1.12	-1.03	-2.79	0.92	---	---
3	1.91	-0.43	-2.26	1.90	-0.14	-1.73	1.42	-0.82	-2.36	0.71	---	---
4	1.76	-0.40	-2.04	1.78	-0.27	-1.80	0.85	-1.13	-2.84	0.54	---	---
5	1.26	-0.51	-2.08	2.29	0.68	-1.23	1.31	-0.75	-2.27	1.25	-0.59	-2.45
6	1.85	-0.03	-1.40	2.85	1.47	-0.63	1.54	-0.24	-1.97	1.70	-0.22	-1.93
7	1.66	-0.06	-1.48	2.18	0.52	-1.31	1.58	---	---	2.62	0.53	-1.19
8	1.58	-0.20	-1.62	2.08	0.36	-1.66	0.67	---	---	1.92	---	---
9	1.43	-0.37	-2.02	2.06	0.11	-2.23	1.63	---	---	1.27	---	---
10	1.82	-0.22	-1.77	2.07	-0.21	-2.72	2.10	---	---	2.33	---	---
11	2.14	-0.01	-2.03	2.09	-0.29	-2.40	2.70	---	---	3.08	0.09	-2.77
12	2.15	-0.02	-2.06	2.57	-0.15	-2.65	3.54	0.33	-2.39	2.86	---	---
13	2.09	-0.14	-2.54	3.05	0.33	-2.73	2.47	---	---	2.85	0.01	-2.80
14	2.75	0.35	-2.18	3.49	0.50	-2.14	2.70	---	---	2.42	---	---
15	2.78	0.25	-2.31	3.79	0.58	-2.22	2.37	---	---	1.74	-0.63	-2.84
16	3.10	0.32	-2.30	2.43	---	---	1.87	---	---	1.02	---	---
17	3.39	0.54	-2.09	1.85	---	---	2.49	-0.16	-2.46	---	---	---
18	3.71	0.97	-1.68	2.64	0.06	-2.19	1.73	-0.50	-2.48	1.26	-0.51	-2.24
19	4.17	1.68	-0.77	2.71	0.50	-1.51	1.93	-0.04	-2.03	1.83	0.22	-1.46
20	3.70	1.55	-0.63	2.22	0.24	-2.07	2.56	0.89	-1.02	2.02	e0.1	-1.68
21	2.67	0.55	-1.95	2.04	0.04	-1.90	2.99	0.97	-1.57	2.18	---	---
22	2.22	0.05	-2.05	1.65	-0.68	-2.75	0.24	---	---	1.50	---	---
23	2.88	1.03	-1.13	0.98	---	---	-0.12	---	---	1.06	-0.80	-2.53
24	2.27	0.50	-1.48	1.65	---	---	1.48	-0.83	-2.37	2.00	-0.39	-2.22
25	2.78	0.78	-1.77	2.12	-0.04	-2.38	0.49	---	---	1.94	-0.50	-2.44
26	2.59	0.54	-1.86	1.91	-0.31	-2.31	1.44	---	---	1.89	-0.70	-2.84
27	2.54	0.39	-2.06	2.43	0.02	-2.03	2.18	-0.38	-2.30	2.12	-0.44	-2.74
28	2.80	---	---	2.41	-0.13	-2.35	1.98	-0.82	-2.85	2.58	0.07	-2.19
29	0.99	---	---	2.33	-0.13	-2.20	1.76	---	---	1.58	---	---
30	2.03	---	---	2.99	0.79	-1.64	1.24	---	---	1.75	-0.63	-2.64
31	2.07	-0.52	-2.53	---	---	---	2.12	---	---	1.36	-0.70	-2.82
Max	4.17	---	---	3.79	---	---	3.54	---	---	3.08	---	---
Min	0.99	---	---	0.98	---	---	-0.12	---	---	0.54	---	---

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GAGE HEIGHT, FEET
WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009
[e, estimated]

Day	High-high	Mean	Low-low									
	February			March			April			May		
1	1.24	---	---	2.76	0.98	-1.35	2.53	0.20	-1.77	2.15	-0.51	-2.48
2	1.39	-0.30	-2.14	3.56	1.29	-1.12	2.50	-0.03	-2.01	1.74	-0.51	-2.78
3	2.39	0.89	-0.74	2.52	-0.56	-2.77	2.62	0.64	-1.48	1.91	0.00	-2.23
4	3.08	0.64	-1.95	1.61	---	-2.83	2.36	-0.39	-2.79	2.36	0.35	-1.82
5	2.11	-0.39	-2.68	1.33	---	-2.81	1.64	---	---	2.30	0.29	-2.04
6	2.23	---	-2.86	1.43	---	---	2.86	0.53	-2.44	2.55	0.17	-2.33
7	2.40	-0.44	-2.81	1.79	---	---	2.37	0.02	-2.50	2.34	-0.19	-2.65
8	2.30	---	---	2.03	-0.36	-2.76	2.11	---	---	2.71	-0.01	-2.36
9	2.22	---	---	2.77	0.32	-2.55	2.43	---	---	2.72	0.11	-2.11
10	2.68	---	---	2.94	0.38	-2.37	2.57	-0.28	-2.81	2.13	-0.42	-2.48
11	2.79	0.07	-2.72	2.51	-0.06	-2.65	3.01	0.32	-2.47	2.20	-0.47	-2.54
12	1.89	---	---	1.66	---	---	2.30	-0.05	-2.31	2.14	-0.22	-2.12
13	2.04	---	---	2.09	---	---	1.54	-0.60	-2.63	0.82	-0.38	-2.19
14	1.89	-0.18	-2.27	1.88	-0.56	-2.69	1.11	-0.19	-2.42	1.91	e-0.5	-2.17
15	1.62	-0.57	-2.66	1.16	-0.51	-2.44	2.68	1.40	-0.55	1.52	-0.63	-2.36
16	2.09	0.08	-1.51	1.82	-0.39	-2.24	2.78	0.56	-1.03	1.57	-0.40	-2.07
17	1.82	0.04	-1.36	2.21	0.23	-1.29	1.76	-0.23	-1.80	1.49	-0.17	-1.91
18	1.76	0.13	-1.19	1.66	-0.37	-1.74	1.05	-0.59	-2.09	1.58	0.01	-1.61
19	2.28	0.35	-2.55	1.01	-0.54	-1.91	1.58	0.22	-1.33	1.35	-0.33	-2.24
20	1.27	---	---	1.40	-0.02	-1.68	2.43	1.00	-0.81	1.41	-0.63	-2.74
21	0.34	---	---	1.74	0.07	-1.60	---	---	-1.37	1.71	-0.63	-2.81
22	1.64	-0.58	-1.92	1.52	-0.46	-2.21	2.43	0.27	-1.95	2.03	---	---
23	1.20	---	---	1.55	-0.31	-2.29	1.86	---	---	2.68	---	---
24	1.01	---	---	2.14	0.06	-2.12	2.17	---	---	2.68	-0.21	-2.80
25	1.82	---	---	2.79	0.50	-2.00	2.52	---	---	2.97	---	---
26	1.72	---	---	2.83	0.67	-1.71	2.55	---	---	3.48	0.60	-2.45
27	1.86	-0.48	-2.80	2.66	0.25	-2.21	2.57	---	---	1.99	0.29	-2.17
28	2.40	-0.46	-2.92	2.96	0.49	-2.07	2.01	---	---	3.09	0.39	-2.11
29	---	---	---	2.88	0.52	-1.88	1.44	-0.47	-2.92	3.32	0.69	-1.52
30	---	---	---	0.85	-0.46	-2.83	2.36	-0.26	-2.34	2.83	0.36	-1.91
31	---	---	---	2.21	-0.38	-2.59	---	---	---	2.33	0.27	-1.91
Max	3.08	---	---	3.56	---	---	3.01	---	---	3.48	---	---
Min	0.34	---	---	0.85	---	---	1.05	---	---	0.82	---	---

01411350 LUDLAM THOROFARE AT SEA ISLE CITY, NJ—Continued

GAGE HEIGHT, FEET
 WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009
 [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	1.98	0.04	-2.02	---	---	---	---	---	---	---	---	---
2	---	---	-2.46	---	---	---	---	---	---	---	---	---
3	---	---	---	---	---	---	---	---	---	---	---	---
4	---	---	---	---	---	---	---	---	---	---	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
6	---	---	---	---	---	---	---	---	---	---	---	---
7	---	---	---	---	---	---	---	---	---	---	---	---
8	---	---	---	---	---	---	---	---	---	---	---	---
9	---	---	---	---	---	---	---	---	---	---	---	---
10	---	---	---	---	---	---	---	---	---	---	---	---
11	---	---	---	---	---	---	---	---	---	4.24	2.22	-0.79
12	---	---	---	---	---	---	---	---	---	2.66	0.45	-1.57
13	---	---	---	---	---	---	---	---	---	2.92	0.68	-1.29
14	---	---	---	---	---	---	---	---	---	2.99	0.74	-1.57
15	---	---	---	---	---	---	---	---	---	3.12	0.60	-1.76
16	---	---	---	---	---	---	---	---	---	3.96	1.04	-1.80
17	---	---	---	---	---	---	---	---	---	3.69	1.67	-0.86
18	---	---	---	---	---	---	---	---	---	2.88	0.47	-2.38
19	---	---	---	---	---	---	---	---	---	2.70	0.21	-2.71
20	---	---	---	---	---	---	---	---	---	2.76	0.17	-2.53
21	---	---	---	---	---	---	---	---	---	2.64	0.04	-2.38
22	---	---	---	---	---	---	---	---	---	2.54	0.04	-2.26
23	---	---	---	---	---	---	---	---	---	2.32	-0.10	-2.10
24	---	---	---	---	---	---	---	---	---	2.00	-0.24	-2.15
25	---	---	---	---	---	---	---	---	---	2.56	0.45	-1.48
26	---	---	---	---	---	---	---	---	---	2.54	0.85	-0.72
27	---	---	---	---	---	---	---	---	---	2.28	0.62	-1.13
28	---	---	---	---	---	---	---	---	---	1.92	0.11	-1.65
29	---	---	---	---	---	---	---	---	---	1.71	0.10	-1.26
30	---	---	---	---	---	---	---	---	---	2.15	0.03	-2.12
31	---	---	---	---	---	---	---	---	---	---	---	---
Max	---	---	---	---	---	---	---	---	---	4.24	2.22	-0.72
Min	---	---	---	---	---	---	---	---	---	1.71	-0.24	-2.71

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