

## Water-Data Report 2011

**01410600 ABSECON CHANNEL AT ATLANTIC CITY, NJ**

## ABSECON BAY

LOCATION.--Lat 39°22'39", long 74°25'24" referenced to North American Datum of 1983, Atlantic City, Atlantic County, NJ, Hydrologic Unit 02040302, on bulkhead at U.S. Coast Guard Station Atlantic City on Clam Creek, 400 ft south of Absecon Channel, in Atlantic City, 2,200 ft southeast of the south end of bridge on State Route 87 over Absecon Channel, 1.3 mi northwest of Absecon Inlet, and 3.3 mi southwest of Brigantine city hall.

**SURFACE-WATER RECORDS**

PERIOD OF RECORD.--Unpublished fragmentary gage-height record, Jun 16, 1997 to Jun 17, 2000. Continuous-record tide gage, Jun 18, 2000 to current year.

GAGE.--Tide level, water temperature, precipitation, air temperature, relative humidity, air pressure, and wind speed and direction 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 1.33 ft.

REMARKS.--Missing gage-height record recorded on short portions of some 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, estimated at 5.2 ft, Nov 13, 2009, from crest-stage gage; minimum elevation, estimated at -5.5 ft, Feb 17, 2007, although a lower tide may have occurred during period of missing record Mar 9, 2005.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum elevation known, 7.7 ft (adjusted to NAVD of 1988), Mar 6 or 7, 1962, from high-water mark at the U.S. Coast Guard Station.

EXTREMES FOR CURRENT YEAR.--Maximum elevation, 5.14 ft, Aug 27; minimum elevation, -4.13 ft on Feb 19.

Statistics of Tide Elevations, in feet  
 Water Year October 2010 to September 2011

Month	Mean High Tide	Mean Water Level	Mean Low Tide
October	2.13	0.16	-1.87
November	2.20	0.22	-1.85
December	1.92	-0.05	-2.10
CALENDAR YEAR 2010			
January	1.74	-0.23	-2.28
February	1.61	-0.42	-2.51
March	1.87	-0.13	-2.21
April	1.92	-0.10	-2.16
May	2.27	0.30	-1.73
June	2.29	0.33	-1.69
July	2.16	0.20	-1.84
August	2.32	0.28	-1.80
September	2.42	0.42	-1.66
WATER YEAR 2011			
	2.07	0.09	-1.97

**01410600 ABSECON CHANNEL AT ATLANTIC CITY, NJ—Continued**
**GAGE HEIGHT, FEET**  
**WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011**

Day	High-high	Mean	Low-low	High-high	Mean	Low-low	High-high	Mean	Low-low	High-high	Mean	Low-low
	<b>October</b>				<b>November</b>				<b>December</b>			
<b>1</b>	2.62	0.58	-1.17	2.09	-0.02	-2.44	2.78	0.42	-2.71	2.23	-0.27	-2.64
<b>2</b>	2.39	0.38	-1.52	2.08	-0.02	-2.10	2.37	-0.12	-2.55	2.50	-0.13	-2.51
<b>3</b>	3.56	1.16	-0.85	2.43	0.11	-2.53	2.82	0.29	-1.86	2.62	-0.37	-2.65
<b>4</b>	4.04	2.05	0.42	3.40	0.96	-2.43	3.00	0.18	-2.30	2.49	-0.54	-3.07
<b>5</b>	3.30	0.89	-1.73	3.84	0.62	-2.25	3.18	0.24	-2.33	1.98	-0.60	-3.12
<b>6</b>	3.06	0.47	-2.33	3.16	0.05	-2.80	2.50	-0.64	-3.32	2.83	0.28	-2.02
<b>7</b>	2.86	0.06	-2.88	3.22	-0.01	-2.62	1.69	-1.06	-3.50	3.17	0.69	-1.28
<b>8</b>	2.95	-0.14	-3.15	2.67	-0.22	-3.12	2.10	-0.62	-2.86	3.04	0.66	-1.11
<b>9</b>	2.95	0.03	-3.09	3.20	0.55	-1.75	1.65	-0.82	-2.95	1.18	-0.66	-2.60
<b>10</b>	3.48	0.46	-2.02	3.26	1.00	-1.21	1.82	-0.40	-2.21	0.70	-1.09	-2.90
<b>11</b>	2.79	0.10	-2.29	4.11	1.97	0.31	1.70	-0.25	-1.91	1.23	-0.20	-1.90
<b>12</b>	3.15	0.49	-1.50	3.51	1.74	-0.06	2.33	0.58	-1.04	2.05	-0.72	-3.10
<b>13</b>	2.84	0.62	-1.19	2.55	0.97	-0.72	2.64	0.41	-1.85	0.10	-1.25	-2.75
<b>14</b>	2.55	0.64	-0.97	2.14	0.63	-0.89	1.60	-0.28	-2.12	1.41	---	---
<b>15</b>	2.02	0.19	-2.56	2.13	0.75	-1.04	1.22	-0.61	-2.54	1.65	-0.60	-2.36
<b>16</b>	1.72	-0.44	-1.96	1.87	0.45	-1.25	1.01	-0.37	-1.76	1.52	-0.67	-2.65
<b>17</b>	2.05	0.28	-1.52	2.37	-0.07	-2.99	2.07	-0.08	-2.16	2.07	-0.26	-2.21
<b>18</b>	1.82	0.13	-1.75	0.74	-1.00	-2.85	1.95	-0.11	-2.04	3.29	0.68	-1.12
<b>19</b>	2.06	0.23	-1.60	1.75	-0.26	-1.92	2.60	0.26	-1.88	3.20	0.16	-2.51
<b>20</b>	2.25	0.33	-1.73	2.12	-0.54	-2.77	3.06	0.54	-1.59	2.79	-0.22	-3.07
<b>21</b>	2.40	0.20	-1.84	2.07	-0.27	-3.05	3.22	0.69	-1.83	2.88	-0.12	-2.92
<b>22</b>	2.13	-0.25	-2.33	2.82	0.14	-2.20	3.62	0.73	-1.81	2.41	-0.47	-3.64
<b>23</b>	1.27	-1.04	-3.58	2.60	-0.08	-2.29	2.77	0.11	-2.52	2.02	-0.62	-3.14
<b>24</b>	2.34	-0.21	-2.80	2.41	-0.34	-2.60	3.55	0.74	-1.67	1.73	---	-2.91
<b>25</b>	2.58	0.00	-2.11	2.75	0.08	-2.57	3.09	0.37	-2.19	1.18	-0.84	-3.11
<b>26</b>	2.58	-0.14	-2.29	3.00	0.45	-2.09	3.14	0.95	-1.73	2.29	0.57	-1.88
<b>27</b>	2.26	-0.25	-2.08	2.09	-0.34	-2.52	3.79	-0.07	-3.66	3.44	0.45	-2.18
<b>28</b>	2.26	-0.25	-2.13	1.96	-0.34	-2.33	0.90	-1.23	-3.32	1.84	-0.21	-2.02
<b>29</b>	2.34	-0.20	-2.05	1.77	-0.29	-2.35	1.14	-0.66	-2.49	2.19	-0.06	-2.09
<b>30</b>	1.88	-0.43	-2.49	1.98	0.06	-1.94	2.27	-0.17	-2.61	2.21	-0.11	-2.24
<b>31</b>	1.29	-0.93	-3.07	---	---	---	1.94	-0.66	-2.98	2.16	-0.28	-2.57
<b>Max</b>	4.04	2.05	0.42	4.11	1.97	0.31	3.79	0.95	-1.04	3.44	0.69	-1.11
<b>Min</b>	1.27	-1.04	-3.58	0.74	-1.00	-3.12	0.90	-1.23	-3.66	0.10	-1.25	-3.64

## 01410600 ABSECON CHANNEL AT ATLANTIC CITY, NJ—Continued

**GAGE HEIGHT, FEET**  
**WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011**

Day	High-high	Mean	Low-low	High-high	Mean	Low-low	High-high	Mean	Low-low	High-high	Mean	Low-low
	<b>February</b>			<b>March</b>			<b>April</b>			<b>May</b>		
<b>1</b>	2.56	0.21	-2.10	2.25	-0.12	-2.05	3.22	0.92	-1.14	2.46	-0.09	-2.09
<b>2</b>	3.26	0.29	-2.05	2.01	-0.42	-2.71	1.68	-0.37	-2.54	2.35	-0.01	-2.05
<b>3</b>	1.78	-0.60	-2.88	1.73	-0.47	-2.96	1.65	-0.70	-3.12	2.73	0.24	-2.02
<b>4</b>	2.28	-0.42	-2.82	1.88	-0.34	-2.68	2.51	0.00	-2.48	2.56	-0.05	-2.21
<b>5</b>	1.82	-0.44	-2.89	1.99	-0.21	-2.37	2.15	-0.52	-3.40	2.30	-0.33	-2.47
<b>6</b>	0.99	-1.10	-3.43	2.38	-0.04	-2.26	1.49	-0.98	-3.12	2.33	-0.20	-2.26
<b>7</b>	2.06	-0.35	-2.36	1.63	-0.46	-2.58	2.35	-0.14	-2.19	1.17	-0.10	-2.10
<b>8</b>	1.74	-0.41	-2.93	2.01	-0.36	-2.35	1.24	-0.13	-1.96	2.45	0.10	-1.85
<b>9</b>	-0.12	-1.55	-3.24	2.76	0.23	-1.93	2.40	0.04	-1.62	2.53	0.27	-1.59
<b>10</b>	0.71	-0.81	-2.31	2.19	0.98	-0.76	2.24	-0.17	-1.78	2.67	0.93	-1.03
<b>11</b>	1.34	-0.48	-1.98	3.29	0.57	-1.20	1.94	-0.27	-1.94	2.84	0.90	-1.11
<b>12</b>	1.46	-0.84	-2.56	2.13	-0.36	-1.98	1.43	-0.39	-2.27	3.15	1.06	-1.03
<b>13</b>	0.86	-0.98	-2.69	1.37	-0.46	-2.00	2.67	0.58	-1.53	2.86	0.63	-1.81
<b>14</b>	1.33	-0.93	-3.36	1.35	-0.53	-2.06	2.31	0.14	-2.28	3.29	0.65	-1.95
<b>15</b>	1.22	-0.80	-2.92	1.74	-0.18	-2.04	2.60	0.09	-2.57	3.54	0.66	-2.01
<b>16</b>	2.19	-0.50	-3.07	2.41	-0.05	-2.12	4.13	1.04	-2.20	3.64	0.63	-2.21
<b>17</b>	2.13	-0.48	-3.36	1.92	-0.43	-3.10	2.94	0.41	-2.82	4.11	0.78	-2.20
<b>18</b>	2.69	-0.19	-3.33	2.27	-0.40	-3.34	3.17	-0.35	-3.78	3.71	0.67	-1.99
<b>19</b>	2.30	-0.89	-4.13	2.51	-0.39	-3.43	3.25	-0.27	-3.42	3.23	0.34	-2.31
<b>20</b>	2.69	-0.51	-3.73	2.68	-0.25	-3.51	3.02	0.03	-2.61	2.93	0.15	-2.37
<b>21</b>	3.57	0.54	-2.25	3.25	-0.32	-3.41	1.66	-0.32	-2.70	1.93	0.29	-2.00
<b>22</b>	2.50	0.20	-2.35	3.07	-0.19	-2.85	2.51	-0.36	-2.67	2.78	0.47	-1.80
<b>23</b>	1.67	-0.21	-2.35	2.79	0.62	-2.34	2.42	-0.10	-2.00	2.82	0.59	-1.23
<b>24</b>	2.23	-0.09	-2.12	3.81	0.96	-1.40	1.86	-0.51	-2.60	2.05	0.09	-1.92
<b>25</b>	2.54	-0.21	-3.93	2.75	0.25	-1.72	1.74	-0.15	-2.09	2.01	0.34	-1.53
<b>26</b>	1.60	-0.74	-2.55	1.94	-0.19	-2.01	1.88	-0.08	-2.01	2.02	0.39	-1.42
<b>27</b>	2.33	0.03	-2.08	1.68	-0.36	-2.06	1.38	-0.18	-1.84	1.77	0.14	-1.60
<b>28</b>	2.84	0.47	-1.53	1.16	-0.81	-2.57	1.66	-0.09	-1.91	2.00	0.04	-1.82
<b>29</b>	---	---	---	1.27	-0.44	-2.21	1.78	0.02	-2.02	2.08	-0.03	-1.89
<b>30</b>	---	---	---	1.38	-0.40	-2.28	2.02	-0.07	-2.03	2.27	-0.19	-2.19
<b>31</b>	---	---	---	2.79	0.62	-1.75	---	---	---	2.52	-0.05	-2.03
<b>Max</b>	3.57	0.54	-1.53	3.81	0.98	-0.76	4.13	1.04	-1.14	4.11	1.06	-1.03
<b>Min</b>	-0.12	-1.55	-4.13	1.16	-0.81	-3.51	1.24	-0.98	-3.78	1.17	-0.33	-2.47

**01410600 ABSECON CHANNEL AT ATLANTIC CITY, NJ—Continued**
**GAGE HEIGHT, FEET**  
**WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011**

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	2.38	-0.12	-2.03	2.93	0.24	-2.02	2.92	0.06	-2.61	2.90	0.19	-2.45
2	2.35	-0.36	-2.69	2.97	0.19	-2.05	2.83	0.13	-2.76	3.31	0.49	-2.12
3	2.66	-0.27	-2.48	2.92	0.18	-2.20	2.94	0.43	-2.26	2.76	0.25	-1.92
4	2.63	0.03	-2.12	2.86	0.19	-2.29	3.22	0.67	-1.85	2.42	0.04	-2.06
5	1.86	0.15	-1.99	2.28	0.17	-2.27	2.72	0.34	-2.13	2.41	0.09	-1.85
6	2.67	0.11	-2.08	2.55	0.08	-2.33	2.58	0.20	-2.01	2.81	0.43	-1.73
7	2.56	0.12	-2.04	2.23	-0.01	-2.45	2.67	0.24	-2.03	2.79	0.76	-1.43
8	2.30	0.10	-2.23	2.58	0.24	-2.15	2.90	0.59	-1.56	3.23	0.78	-1.06
9	2.43	0.26	-2.19	2.81	0.39	-1.81	3.23	0.81	-1.10	2.78	0.75	-1.29
10	2.42	0.23	-2.20	2.81	0.32	-1.91	3.00	0.59	-1.52	2.84	0.55	-1.72
11	2.97	0.54	-1.83	2.79	0.17	-2.17	3.13	0.55	-1.66	2.89	0.83	-1.55
12	3.24	0.71	-1.79	3.07	0.16	-2.19	2.66	0.29	-1.89	2.51	0.51	-1.58
13	3.57	0.68	-1.84	3.09	0.29	-2.06	2.59	0.09	-2.19	2.43	0.31	-1.87
14	3.62	0.69	-2.01	3.45	0.65	-2.08	2.87	0.23	-2.22	2.43	0.29	-1.74
15	3.56	0.60	-1.97	2.95	0.39	-1.84	2.97	0.59	-1.73	2.31	0.21	-1.63
16	3.33	0.49	-1.96	2.52	0.14	-2.09	2.50	0.47	-1.64	2.48	0.32	-1.57
17	3.17	0.27	-2.31	2.14	-0.20	-2.50	1.94	0.12	-1.71	2.19	0.21	-1.55
18	2.96	0.36	-2.14	1.70	-0.46	-2.68	1.74	0.04	-1.81	2.73	0.76	-0.89
19	2.27	0.52	-1.83	1.74	-0.08	-2.39	1.92	0.10	-1.81	2.50	0.85	-0.66
20	2.93	0.36	-1.73	2.31	0.34	-1.54	2.04	0.23	-1.51	2.15	0.34	-1.20
21	2.42	0.18	-1.91	2.03	0.02	-1.69	1.88	0.10	-1.47	2.10	0.26	-1.38
22	1.97	0.26	-1.74	1.45	-0.26	-2.10	2.06	0.12	-1.38	2.34	0.29	-1.56
23	1.98	0.48	-1.32	1.80	0.07	-1.70	2.15	0.15	-1.40	2.45	0.27	-1.71
24	2.36	0.73	-0.83	2.00	0.22	-1.51	2.06	-0.03	-1.68	2.53	0.17	-1.98
25	2.60	0.79	-0.79	2.44	0.53	-1.09	2.16	-0.09	-1.83	2.81	0.19	-2.38
26	2.44	0.56	-1.06	2.65	0.59	-1.30	2.58	-0.04	-2.16	2.94	0.31	-2.56
27	2.49	0.41	-1.36	2.73	0.45	-1.37	5.14	0.94	-2.03	3.11	0.42	-2.67
28	2.73	0.46	-1.51	2.81	0.35	-1.57	4.32	1.02	-3.06	3.65	0.71	-2.43
29	2.84	0.39	-1.54	3.06	0.34	-1.99	3.01	-0.29	-3.23	3.86	0.59	-2.44
30	2.79	0.27	-1.79	3.06	0.26	-2.25	2.71	0.14	-2.61	3.36	0.32	-2.39
31	---	---	---	3.09	0.24	-2.28	2.79	0.04	-2.76	---	---	---
<b>Max</b>	3.62	0.79	-0.79	3.45	0.65	-1.09	5.14	1.02	-1.10	3.86	0.85	-0.66
<b>Min</b>	1.86	-0.36	-2.69	1.45	-0.46	-2.68	1.74	-0.29	-3.23	2.10	0.04	-2.67

**01410600 ABSECON CHANNEL AT ATLANTIC CITY, NJ—Continued**