



NOAA Tide Predictions

WACHAPREAGUE, Virginia, 2016

The NOAA Tide Predictions application provides predictions in both graphical and tabular formats, with many user selected options, for over 3000 stations broken down by key areas in each state. Users can also access stations via the Google map interface. Additional information can be found in the help page.

Station Types: The NOAA Tide Predictions application provides predictions from 2 distinct categories of stations at over 3000 locations:

Harmonic - The predicted height values for Harmonic stations are conducted by combining the harmonic constituents into a single tide curve.

Subordinate - The high and low height values for Subordinate stations are obtained by means and differences, and ratios applied to the full harmonic constant predictions at a specific Harmonic station (a Reference station).

Disclaimer: The official Tide prediction tables are published annually on October 1, for the following calendar year. Tide predictions generated prior to the publishing date of the official tables are subject to change. The predictions from the web based NOAA Tidal Predictions are based upon the latest information available as of the date of your request. Tide predictions generated may differ from the official published predictions if information for the station requested has been updated since the publishing date of the official published tables.



WACHAPREAGUE, Virginia, 2016

Times and Heights of High and Low Waters

April					May					June							
Time	Height	Time	Height	Time	Height	Time	Height	Time	Height	Time	Height	Time	Height				
h m	ft cm	h m	ft cm	h m	ft cm	h m	ft cm	h m	ft cm	h m	ft cm	h m	ft cm				
1 F	03:35 AM 10:00 AM 03:58 PM 10:06 PM	4.0 122 0.6 18 3.5 107 0.4 12	16 Sa	04:55 AM 11:09 AM 05:20 PM 11:29 PM	4.0 122 0.4 12 4.0 122 0.4 12	1 Su	04:07 AM 10:27 AM 04:39 PM 10:49 PM	4.1 125 0.2 6 4.0 122 0.2 6	16 M	05:06 AM 11:20 AM 05:41 PM 11:51 PM	3.8 116 0.3 9 4.2 128 0.5 15	1 W	05:44 AM 11:50 AM 06:21 PM	4.2 128 -0.3 -9 4.9 149	16 Th	12:08 AM 06:07 AM 12:10 PM 06:47 PM	0.6 18 3.7 113 0.3 9 4.5 137
2 Sa	04:44 AM 10:58 AM 05:07 PM 11:11 PM	4.0 122 0.4 12 3.7 113 0.2 6	17 Su	05:49 AM 11:59 AM 06:13 PM	4.0 122 0.3 9 4.2 128	2 M	05:13 AM 11:23 AM 05:44 PM 11:53 PM	4.2 128 0.0 0 4.3 131 0.0 0	17 Tu	05:57 AM 12:06 PM 06:32 PM	3.8 116 0.3 9 4.5 137	2 Th	12:35 AM 06:42 AM 12:47 PM 07:18 PM	-0.2 -6 4.2 128 -0.5 -15 5.2 158	17 F	12:59 AM 06:56 AM 12:57 PM 07:35 PM	0.4 12 3.7 113 0.2 6 4.7 143
3 Su	05:48 AM 11:55 AM 06:10 PM	4.2 128 0.2 6 4.1 125	18 M	12:23 AM 06:37 AM 12:47 PM 07:03 PM	0.3 9 4.0 122 0.2 6 4.4 134	3 Tu	06:14 AM 12:19 PM 06:43 PM	4.4 134 -0.2 -6 4.7 143	18 W	12:43 AM 06:45 AM 12:52 PM 07:19 PM	0.4 12 3.9 119 0.2 6 4.6 140	3 F	01:35 AM 07:38 AM 01:42 PM 08:14 PM	-0.4 -12 4.3 131 -0.6 -18 5.4 165	18 Sa	01:48 AM 07:44 AM 01:44 PM 08:21 PM	0.3 9 3.7 113 0.1 3 4.8 146
4 M	12:15 AM 06:46 AM 12:51 PM 07:07 PM	0.0 0 4.5 137 -0.1 -3 4.5 137	19 Tu	01:15 AM 07:22 AM 12:32 PM 07:48 PM	0.2 6 4.1 125 0.1 3 4.6 140	4 W	12:55 AM 07:10 AM 01:15 PM 07:39 PM	-0.3 -9 4.5 137 -0.4 -12 5.1 155	19 Th	01:33 AM 07:31 AM 01:36 PM 08:04 PM	0.3 9 3.9 119 0.1 3 4.8 146	4 Sa	02:32 AM 08:32 AM 02:36 PM 09:08 PM	-0.5 -15 4.3 131 -0.7 -21 5.5 168	19 Su	02:35 AM 08:30 AM 02:28 PM 09:06 PM	0.2 6 3.8 116 0.1 3 4.8 146
5 Tu	01:16 AM 07:40 AM 01:44 PM 08:01 PM	-0.4 -12 4.7 143 -0.4 -12 4.9 149	20 W	02:03 AM 08:06 AM 12:14 PM 08:32 PM	0.1 3 4.1 125 0.1 3 4.7 143	5 Th	01:55 AM 08:04 AM 02:08 PM 08:33 PM	-0.5 -15 4.6 140 -0.6 -18 5.4 165	20 F	02:19 AM 08:16 AM 02:18 PM 08:48 PM	0.2 6 3.9 119 0.1 3 4.8 146	5 Su	03:25 AM 09:26 AM 03:27 PM 10:01 PM	-0.6 -18 4.3 131 -0.7 -21 5.4 165	20 M	03:18 AM 09:17 AM 03:11 PM 09:51 PM	0.1 3 3.8 116 0.0 0 4.8 146
6 W	02:14 AM 08:32 AM 02:35 PM 08:54 PM	-0.7 -21 4.8 146 -0.7 -21 5.2 158	21 Th	02:47 AM 08:49 AM 02:53 PM 09:15 PM	0.0 0 4.1 125 0.0 0 4.8 146	6 F	02:50 AM 08:57 AM 02:59 PM 09:27 PM	-0.7 -21 4.6 140 -0.8 -24 5.5 168	21 Sa	03:03 AM 09:00 AM 02:58 PM 09:32 PM	0.1 3 3.9 119 0.1 3 4.8 146	6 M	04:16 AM 10:19 AM 04:17 PM 10:53 PM	-0.5 -15 4.2 128 -0.6 -18 5.3 162	21 Tu	04:00 AM 10:03 AM 03:53 PM 10:35 PM	0.1 3 3.8 116 0.0 0 4.8 146
7 Th	03:08 AM 09:23 AM 03:24 PM 09:47 PM	-0.9 -27 4.8 146 -0.8 -24 5.4 165	22 F	03:29 AM 09:31 AM 03:30 PM 09:58 PM	0.0 0 4.1 125 0.1 3 4.8 146	7 Sa	03:43 AM 09:50 AM 03:49 PM 10:21 PM	-0.8 -24 4.5 137 -0.8 -24 5.5 168	22 Su	03:44 AM 09:44 AM 03:36 PM 10:15 PM	0.1 3 3.8 116 0.1 3 4.8 146	7 Tu	05:05 AM 11:10 AM 05:06 PM 11:42 PM	-0.4 -12 4.2 128 -0.4 -12 5.1 155	22 W	04:41 AM 10:49 AM 04:35 PM 11:18 PM	0.0 0 3.8 116 0.0 0 4.7 143
8 F	04:00 AM 10:14 AM 04:12 PM 10:40 PM	-1.0 -30 4.7 143 -0.8 -24 5.4 165	23 Sa	04:08 AM 10:13 AM 04:05 PM 10:39 PM	0.0 0 4.0 122 0.1 3 4.7 143	8 Su	04:35 AM 10:42 AM 04:38 PM 11:13 PM	-0.7 -21 4.4 134 -0.7 -21 5.4 165	23 M	04:24 AM 10:28 AM 04:14 PM 10:57 PM	0.1 3 3.8 116 0.1 3 4.7 143	8 W	05:53 AM 12:00 PM 05:56 PM	-0.2 -6 4.1 125 -0.1 -3	23 Th	05:23 AM 11:34 AM 05:20 PM	0.0 0 3.9 119 0.0 0
9 Sa	04:51 AM 11:54 AM 05:00 PM 11:32 PM	-0.9 -27 4.6 140 -0.7 -21 5.4 165	24 Su	04:47 AM 10:53 AM 04:39 PM 11:19 PM	0.1 3 3.9 119 0.2 6 4.6 140	9 M	05:25 AM 11:33 AM 05:27 PM	-0.5 -15 4.3 131 -0.5 -15	24 Tu	05:04 AM 11:10 AM 04:51 PM 11:37 PM	0.1 3 3.7 113 0.2 6 4.6 140	9 Th	12:28 AM 06:42 AM 12:48 PM 06:48 PM	4.8 146 0.0 0 4.1 125 0.2 6	24 F	12:00 AM 06:08 AM 12:20 PM 06:10 PM	4.7 143 0.0 0 3.9 119 0.1 3
10 Su	05:43 AM 11:54 AM 05:49 PM	-0.7 -21 4.4 134 -0.5 -15	25 M	05:26 AM 11:33 AM 05:12 PM 11:57 PM	0.2 6 3.7 113 0.3 9 4.5 137	10 Tu	12:04 AM 06:17 AM 12:22 PM 06:19 PM	5.2 158 -0.3 -9 4.2 128 -0.2 -6	25 W	05:45 AM 11:52 AM 05:32 PM	0.2 6 3.7 113 0.2 6	10 F	01:12 AM 07:31 AM 01:36 PM 07:42 PM	4.5 137 0.2 6 4.0 122 0.4 12	25 Sa	12:43 AM 06:55 AM 01:07 PM 07:06 PM	4.6 140 0.0 0 4.0 122 0.2 6
11 M	12:23 AM 06:36 AM 12:43 PM 06:41 PM	5.2 158 -0.4 -12 4.2 128 -0.3 -9	26 Tu	06:06 AM 12:11 PM 05:49 PM	0.3 9 3.7 113 0.4 12	11 W	12:53 AM 07:09 AM 01:12 PM 07:14 PM	4.9 149 0.0 0 4.1 125 0.1 3	26 Th	12:17 AM 06:29 AM 12:34 PM 06:20 PM	4.5 137 0.2 6 3.7 113 0.3 9	11 Sa	01:56 AM 08:19 AM 02:25 PM 08:37 PM	4.2 128 0.3 9 4.0 122 0.6 18	26 Su	01:28 AM 07:46 AM 01:57 PM 08:07 PM	4.5 137 0.0 0 4.1 125 0.2 6
12 Tu	01:13 AM 07:32 AM 01:32 PM 07:37 PM	4.9 149 -0.1 -3 4.0 122 0.0 0	27 W	12:35 AM 06:50 AM 12:50 PM 06:33 PM	4.4 134 0.4 12 3.6 110 0.5 15	12 Th	01:41 AM 08:02 AM 02:02 PM 08:10 PM	4.6 140 0.2 6 4.0 122 0.3 9	27 F	12:58 AM 07:17 AM 01:20 PM 07:16 PM	4.4 134 0.3 9 3.8 116 0.4 12	12 Su	02:41 AM 09:06 AM 03:17 PM 09:31 PM	4.0 122 0.3 9 4.0 122 0.7 21	27 M	02:18 AM 08:39 AM 02:54 PM 09:10 PM	4.3 131 -0.1 -3 4.3 131 0.2 6
13 W	02:05 AM 08:28 AM 02:25 PM 08:36 PM	4.6 140 0.2 6 3.9 119 0.2 6	28 Th	01:15 AM 07:40 AM 01:34 PM 07:30 PM	4.3 131 0.5 15 3.6 110 0.5 15	13 F	02:29 AM 08:54 AM 02:55 PM 09:08 PM	4.3 131 0.3 9 3.9 119 0.5 15	28 Sa	01:43 AM 08:09 AM 02:11 PM 08:20 PM	4.4 134 0.2 6 3.8 116 0.4 12	13 M	03:30 AM 09:52 AM 04:11 PM 10:24 PM	3.8 116 0.4 12 4.1 125 0.7 21	28 Tu	03:14 AM 09:34 AM 03:56 PM 10:12 PM	4.2 128 -0.2 -6 4.4 134 0.2 6
14 Th	03:00 AM 09:23 AM 03:21 PM 09:35 PM	4.3 131 0.3 9 3.8 116 0.4 12	29 F	02:02 AM 08:34 AM 02:27 PM 08:36 PM	4.2 128 0.5 15 3.6 110 0.5 15	14 Sa	03:20 AM 09:44 AM 03:51 PM 10:04 PM	4.1 125 0.4 12 3.9 119 0.6 18	29 Su	02:36 AM 09:04 AM 03:11 PM 09:25 PM	4.3 131 0.1 3 4.0 122 0.3 9	14 Tu	04:22 AM 10:38 AM 05:05 PM 11:16 PM	3.7 113 0.3 9 4.2 128 0.6 18	29 W	04:15 AM 10:29 AM 05:00 PM 11:14 PM	4.1 125 -0.3 -9 4.6 140 0.1 3
15 F	03:58 AM 10:17 AM 04:21 PM 10:32 PM	4.1 125 0.4 12 3.8 116 0.4 12	30 Sa	03:00 AM 09:30 AM 03:31 PM 09:43 PM	4.1 125 0.4 12 3.7 113 0.4 12	15 Su	04:13 AM 10:32 AM 04:47 PM 10:58 PM	3.9 119 0.4 12 4.1 125 0.6 18	30 M	03:37 AM 09:59 AM 04:16 PM 10:30 PM	4.2 128 0.0 0 4.2 128 0.2 6	15 W	05:15 AM 11:24 AM 05:58 PM	3.7 113 0.3 9 4.4 134	30 Th	05:18 AM 11:25 AM 06:02 PM	4.0 122 -0.3 -9 4.9 149
									31 Tu	04:42 AM 10:54 AM 05:20 PM 11:33 PM	4.2 128 -0.2 -6 4.5 137 0.0 0						

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WACHAPREAGUE, Virginia, 2016

Times and Heights of High and Low Waters

July					August					September																																																																																																																																																																													
Time	Height	Time	Height	Time	Height	Time	Height	Time	Height	Time	Height	Time	Height																																																																																																																																																																										
h m	ft cm	h m	ft cm	h m	ft cm	h m	ft cm	h m	ft cm	h m	ft cm	h m	ft cm																																																																																																																																																																										
1 F	12:16 AM 0.0 0 06:18 AM 4.0 122 12:23 PM -0.4 -12 07:00 PM 5.1 155	16 Sa	12:24 AM 0.6 18 06:21 AM 3.6 110 12:20 PM 0.3 9 07:05 PM 4.6 140	1 M	01:51 AM 0.1 3 07:48 AM 4.2 128 01:56 PM -0.3 -9 08:28 PM 5.1 155	16 Tu	01:31 AM 0.5 15 07:33 AM 4.1 125 01:34 PM 0.1 3 08:12 PM 4.9 149	1 Th	03:01 AM 0.1 3 09:05 AM 4.6 140 03:15 PM 0.0 0 09:31 PM 4.8 146	16 F	02:37 AM -0.1 -3 08:49 AM 4.9 149 02:58 PM -0.3 -9 09:19 PM 5.2 158	2 Sa	01:16 AM -0.1 -3 07:14 AM 4.1 125 01:19 PM -0.5 -15 07:56 PM 5.2 158	17 Su	01:15 AM 0.5 15 07:12 AM 3.7 113 01:10 PM 0.2 6 07:53 PM 4.7 143	2 Tu	02:43 AM 0.0 0 08:40 AM 4.3 131 02:48 PM -0.3 -9 09:17 PM 5.0 152	17 W	02:20 AM 0.2 6 08:23 AM 4.3 131 02:26 PM -0.1 -3 08:59 PM 5.0 152	2 F	03:43 AM 0.1 3 09:51 AM 4.7 143 03:59 PM 0.1 3 10:13 PM 4.7 143	17 Sa	03:24 AM -0.3 -9 09:41 AM 5.2 158 03:49 PM -0.4 -12 10:08 PM 5.1 155	3 Su	02:13 AM -0.2 -6 08:09 AM 4.1 125 02:15 PM -0.6 -18 08:49 PM 5.3 162	18 M	02:04 AM 0.3 9 08:01 AM 3.8 116 02:00 PM 0.1 3 08:40 PM 4.8 146	3 W	03:30 AM -0.1 -3 09:30 AM 4.3 131 03:36 PM -0.3 -9 10:02 PM 4.9 149	18 Th	03:06 AM 0.0 0 09:13 AM 4.5 137 03:16 PM -0.2 -6 09:46 PM 5.1 155	3 Sa	04:21 AM 0.2 6 10:36 AM 4.7 143 04:41 PM 0.2 6 10:54 PM 4.6 140	18 Su	04:10 AM -0.4 -12 10:33 AM 5.3 162 04:31 PM -0.4 -12 10:57 PM 5.0 152	4 M	03:05 AM -0.3 -9 09:02 AM 4.2 128 03:07 PM -0.6 -18 09:41 PM 5.2 158	19 Tu	02:50 AM 0.2 6 08:50 AM 3.9 119 02:48 PM -0.1 -3 09:26 PM 4.9 149	4 Th	04:13 AM 0.0 0 10:19 AM 4.4 134 04:22 PM -0.1 -3 10:46 PM 4.8 146	19 F	03:51 AM -0.2 -6 10:04 AM 4.6 140 04:05 PM -0.3 -9 10:33 PM 5.1 155	4 Su	04:58 AM 0.3 9 11:20 AM 4.6 140 05:23 PM 0.4 12 11:34 PM 4.4 134	19 M	04:56 AM -0.4 -12 11:25 AM 5.4 165 05:31 PM -0.3 -9 11:47 PM 4.9 149	5 Tu	03:54 AM -0.3 -9 09:55 AM 4.2 128 03:57 PM -0.5 -15 10:30 PM 5.1 155	20 W	03:34 AM 0.0 0 09:38 AM 4.0 122 03:34 PM -0.2 -6 10:12 PM 4.9 149	5 F	04:55 AM 0.0 0 11:06 AM 4.4 134 05:07 PM 0.1 3 11:27 PM 4.6 140	20 Sa	04:35 AM -0.3 -9 10:54 AM 4.8 146 04:54 PM -0.3 -9 11:20 PM 5.0 152	5 M	05:35 AM 0.5 15 12:02 PM 4.6 140 06:05 PM 0.6 18	20 Tu	05:45 AM -0.3 -9 12:16 PM 5.3 162 06:26 PM -0.1 -3	6 W	04:41 AM -0.2 -6 10:46 AM 4.2 128 04:45 PM -0.3 -9 11:16 PM 4.9 149	21 Th	04:17 AM -0.1 -3 10:27 AM 4.1 125 04:20 PM -0.2 -6 10:57 PM 4.9 149	6 Sa	05:35 AM 0.2 6 11:51 AM 4.4 134 05:51 PM 0.3 9	21 Su	05:21 AM -0.3 -9 11:44 AM 4.9 149 05:46 PM -0.2 -6	6 Tu	12:13 AM 4.2 128 06:11 AM 0.6 18 12:43 PM 4.5 137 06:50 PM 0.8 24	21 W	12:36 AM 4.7 143 06:36 AM -0.1 -3 01:09 PM 5.2 158 07:23 PM 0.2 6	7 Th	05:26 AM -0.1 -3 11:35 AM 4.2 128 05:32 PM 0.0 0 11:59 PM 4.7 143	22 F	05:00 AM -0.2 -6 11:15 AM 4.2 128 05:08 PM -0.2 -6 11:41 PM 4.8 146	7 Su	12:07 AM 4.4 134 06:15 AM 0.3 9 12:34 PM 4.3 131 06:37 PM 0.5 15	22 M	12:07 AM 4.9 149 06:08 AM -0.3 -9 12:34 PM 4.9 149 06:41 PM 0.0 0	7 W	12:53 AM 4.0 122 06:48 AM 0.8 24 01:26 PM 4.4 134 07:38 PM 1.0 30	22 Th	01:26 AM 4.5 137 07:32 AM 0.0 0 02:04 PM 5.1 155 08:23 PM 0.4 12	8 F	06:10 AM 0.0 0 12:21 PM 4.2 128 06:20 PM 0.2 6	23 Sa	05:45 AM -0.2 -6 12:03 PM 4.3 131 05:59 PM -0.1 -3	8 M	12:47 AM 4.2 128 06:55 AM 0.5 15 01:18 PM 4.3 131 07:26 PM 0.7 21	23 Tu	12:54 AM 4.7 143 06:59 AM -0.2 -6 01:26 PM 4.9 149 07:39 PM 0.2 6	8 Th	01:34 AM 3.9 119 07:31 AM 0.8 24 02:11 PM 4.3 131 08:29 PM 1.1 34	23 F	02:19 AM 4.3 131 08:30 AM 0.2 6 03:02 PM 4.9 149 09:22 PM 0.6 18	9 Sa	12:40 AM 4.4 134 06:54 AM 0.2 6 01:07 PM 4.1 125 07:10 PM 0.5 15	24 Su	12:26 AM 4.7 143 06:32 AM -0.2 -6 12:51 PM 4.4 134 06:54 PM 0.0 0	9 Tu	01:27 AM 4.0 122 07:37 AM 0.6 18 02:03 PM 4.2 128 08:16 PM 0.9 27	24 W	01:44 AM 4.5 137 07:53 AM -0.1 -3 02:21 PM 4.9 149 08:40 PM 0.3 9	9 Th	02:19 AM 3.7 113 08:21 AM 0.9 27 03:03 PM 4.2 128 09:22 PM 1.1 34	24 Sa	03:17 AM 4.1 125 09:30 AM 0.3 9 04:04 PM 4.7 143 10:19 PM 0.6 18	10 Su	01:21 AM 4.2 128 07:39 AM 0.3 9 01:52 PM 4.1 125 08:02 PM 0.6 18	25 M	01:12 AM 4.6 140 07:22 AM -0.2 -6 01:42 PM 4.5 137 07:54 PM 0.2 6	10 W	02:10 AM 3.8 116 08:21 AM 0.7 21 02:51 PM 4.2 128 09:08 PM 1.0 30	25 Th	02:37 AM 4.2 128 08:50 AM 0.0 0 03:21 PM 4.8 146 09:40 PM 0.4 12	10 Sa	03:12 AM 3.7 113 09:16 AM 0.9 27 04:02 PM 4.3 131 10:16 PM 1.1 34	10 Su	04:18 AM 4.1 125 10:29 AM 0.3 9 05:05 PM 4.7 143 11:15 PM 0.6 18	11 M	02:04 AM 4.0 122 08:23 AM 0.4 12 02:40 PM 4.1 125 08:54 PM 0.8 24	26 Tu	02:00 AM 4.4 134 08:16 AM -0.2 -6 02:37 PM 4.6 140 08:55 PM 0.2 6	11 Th	02:58 AM 3.7 113 09:08 AM 0.7 21 03:45 PM 4.2 128 10:01 PM 1.0 30	11 F	03:35 AM 4.1 125 09:48 AM 0.1 3 04:24 PM 4.8 146 10:39 PM 0.5 15	11 Sa	04:12 AM 3.7 113 10:14 AM 0.8 24 05:02 PM 4.4 134 11:10 PM 1.0 30	11 Su	05:19 AM 4.2 128 11:27 AM 0.3 9 06:01 PM 4.7 143	12 Tu	02:49 AM 3.8 116 09:08 AM 0.5 15 03:32 PM 4.1 125 09:47 PM 0.8 24	27 W	02:54 AM 4.2 128 09:11 AM -0.2 -6 03:38 PM 4.6 140 09:56 PM 0.3 9	12 F	03:52 AM 3.6 110 09:58 AM 0.7 21 04:43 PM 4.3 131 10:54 PM 0.9 27	12 Sa	04:37 AM 4.0 122 10:47 AM 0.1 3 05:27 PM 4.8 146 11:38 PM 0.5 15	12 M	05:14 AM 3.8 116 11:13 AM 0.6 18 05:59 PM 4.6 140	12 Tu	12:08 AM 0.5 15 06:16 AM 4.4 134 12:23 PM 0.3 9 06:50 PM 4.7 143	13 W	03:39 AM 3.7 113 09:54 AM 0.5 15 04:26 PM 4.2 128 10:39 PM 0.8 24	28 Th	03:54 AM 4.0 122 10:07 AM -0.2 -6 04:42 PM 4.7 143 10:57 PM 0.3 9	13 Sa	04:50 AM 3.6 110 10:50 AM 0.6 18 05:40 PM 4.4 134 11:47 PM 0.8 24	13 Su	05:38 AM 4.1 125 11:45 AM 0.1 3 06:25 PM 4.9 149	13 Tu	12:04 AM 0.7 21 06:12 AM 4.1 125 12:12 PM 0.4 12 06:52 PM 4.8 146	13 W	12:59 AM 0.4 12 07:07 AM 4.6 140 01:17 PM 0.2 6 07:35 PM 4.7 143	14 Th	04:33 AM 3.6 110 10:41 AM 0.4 12 05:21 PM 4.3 131 11:31 PM 0.7 21	29 F	04:56 AM 4.0 122 11:04 AM -0.2 -6 05:45 PM 4.9 149 11:57 PM 0.2 6	14 Su	05:47 AM 3.7 113 11:45 AM 0.5 15 06:33 PM 4.6 140	14 M	12:34 AM 0.4 12 06:35 AM 4.2 128 12:42 PM 0.0 0 07:17 PM 4.9 149	14 W	12:57 AM 0.5 15 07:06 AM 4.4 134 01:10 PM 0.1 3 07:42 PM 5.0 152	14 Th	01:46 AM 0.3 9 07:54 AM 4.7 143 02:06 PM 0.2 6 08:17 PM 4.7 143	15 F	05:28 AM 3.6 110 11:29 AM 0.4 12 06:14 PM 4.4 134	30 Sa	05:57 AM 4.0 122 12:02 PM -0.2 -6 06:44 PM 5.0 152	15 M	12:40 AM 0.7 21 06:41 AM 3.9 119 12:40 PM 0.3 9 07:23 PM 4.8 146	15 Tu	01:27 AM 0.3 9 07:28 AM 4.4 134 01:37 PM 0.0 0 08:04 PM 4.9 149	15 Th	01:48 AM 0.2 6 07:58 AM 4.7 143 02:05 PM -0.1 -3 08:30 PM 5.1 155	15 F	02:30 AM 0.2 6 08:39 AM 4.9 149 02:52 PM 0.1 3 08:59 PM 4.7 143	31 Su	12:56 AM 0.2 6 06:54 AM 4.1 125 01:00 PM -0.3 -9 07:38 PM 5.1 155	31 W	02:16 AM 0.2 6 08:17 AM 4.5 137 02:28 PM 0.0 0 08:48 PM 4.9 149

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WACHAPREAGUE, Virginia, 2016

Datum:mean lower low water (MLLW) which is the chart datum of soundings

Times and Heights of High and Low Waters

October					November					December					
Time		Height		Time		Height		Time		Height		Time		Height	
h	m	ft	cm	h	m	ft	cm	h	m	ft	cm	h	m	ft	cm
1	03:10 AM	0.2	6	16	02:57 AM	-0.5	-15	1	03:51 AM	0.2	6	16	03:12 AM	-0.8	-24
Sa	09:23 AM	4.9	149	Su	09:19 AM	5.5	168	Tu	10:22 AM	4.8	146	W	09:47 AM	5.5	168
●	03:35 PM	0.2	6	○	03:32 PM	-0.5	-15	○	04:30 PM	0.3	9	○	03:58 PM	-0.5	-15
●	09:40 PM	4.6	140	○	09:43 PM	5.0	152	○	10:34 PM	4.1	125	○	10:04 PM	4.5	137
2	03:48 AM	0.3	9	17	03:45 AM	-0.6	-18	2	04:26 AM	0.3	9	17	04:02 AM	-0.6	-18
Su	10:07 AM	4.9	149	M	10:12 AM	5.6	171	W	11:03 AM	4.7	143	Th	10:40 AM	5.4	165
●	04:16 PM	0.3	9	●	04:23 PM	-0.5	-15	●	05:09 PM	0.4	12	●	04:49 PM	-0.3	-9
●	10:22 PM	4.5	137	●	10:34 PM	4.9	149	●	11:14 PM	3.9	119	●	10:56 PM	4.3	131
3	04:23 AM	0.4	12	18	04:33 AM	-0.6	-18	3	04:59 AM	0.4	12	18	04:54 AM	-0.4	-12
M	10:49 AM	4.8	146	Tu	11:05 AM	5.6	171	Th	11:43 AM	4.6	140	F	11:31 AM	5.1	155
●	04:56 PM	0.4	12	●	05:15 PM	-0.4	-12	●	05:49 PM	0.6	18	●	05:42 PM	0.0	0
●	11:02 PM	4.3	131	●	11:25 PM	4.7	143	●	11:54 PM	3.8	116	●	11:47 PM	4.2	128
4	04:57 AM	0.5	15	19	05:22 AM	-0.4	-12	4	05:34 AM	0.5	15	19	05:48 AM	-0.1	-3
Tu	11:30 AM	4.7	143	W	11:58 AM	5.5	168	F	12:23 PM	4.4	134	Sa	12:21 PM	4.8	146
●	05:36 PM	0.6	18	●	06:09 PM	-0.1	-3	●	06:31 PM	0.7	21	●	06:36 PM	0.2	6
●	11:42 PM	4.1	125	●	07:05 PM	0.1	3	●	07:18 PM	0.8	24	●	07:31 PM	0.3	9
5	05:31 AM	0.6	18	20	12:16 AM	4.5	137	5	12:33 AM	3.7	113	20	12:38 AM	4.1	125
W	12:11 PM	4.6	140	Th	06:14 AM	-0.2	-6	Sa	06:14 AM	0.6	18	Su	06:46 AM	0.1	3
●	06:17 PM	0.8	24	●	12:51 PM	5.3	162	●	01:03 PM	4.3	131	●	01:11 PM	4.5	137
●	07:02 PM	0.9	27	●	07:05 PM	0.1	3	●	07:18 PM	0.8	24	●	07:31 PM	0.3	9
6	12:22 AM	4.0	122	21	01:07 AM	4.4	134	6	01:15 AM	3.7	113	21	01:32 AM	4.0	122
Th	06:05 AM	0.8	24	F	07:10 AM	0.0	0	Su	06:06 AM	0.7	21	M	07:45 AM	0.3	9
●	12:52 PM	4.5	137	●	01:44 PM	5.0	152	●	12:47 PM	4.2	128	●	02:02 PM	4.2	128
●	07:02 PM	0.9	27	●	08:02 PM	0.4	12	●	07:10 PM	0.8	24	●	08:23 PM	0.4	12
7	01:01 AM	3.8	116	22	02:00 AM	4.2	128	7	01:03 AM	3.7	113	22	02:28 AM	4.0	122
F	06:46 AM	0.8	24	Sa	08:10 AM	0.2	6	M	07:08 AM	0.7	21	Tu	08:43 AM	0.5	15
●	01:34 PM	4.4	134	●	02:39 PM	4.7	143	●	01:39 PM	4.2	128	●	02:55 PM	4.0	122
●	07:52 PM	1.1	34	●	08:59 PM	0.5	15	●	08:05 PM	0.7	21	●	09:14 PM	0.4	12
8	01:44 AM	3.7	113	23	02:57 AM	4.1	125	8	02:03 AM	3.8	116	23	03:26 AM	4.1	125
Sa	07:37 AM	0.9	27	Su	09:10 AM	0.4	12	Tu	08:15 AM	0.6	18	W	09:39 AM	0.5	15
●	02:22 PM	4.3	131	●	03:37 PM	4.5	137	●	02:41 PM	4.2	128	●	03:49 PM	3.9	119
●	08:45 PM	1.1	34	●	09:55 PM	0.6	18	●	09:00 PM	0.5	15	●	10:03 PM	0.3	9
9	02:34 AM	3.7	113	24	03:56 AM	4.1	125	9	03:10 AM	3.9	119	24	04:22 AM	4.2	128
Su	08:38 AM	0.9	27	M	10:09 AM	0.5	15	W	09:20 AM	0.5	15	Th	10:33 AM	0.5	15
●	03:19 PM	4.2	128	●	04:35 PM	4.4	134	●	03:45 PM	4.2	128	●	04:40 PM	3.9	119
●	09:40 PM	1.0	30	●	10:48 PM	0.6	18	●	09:56 PM	0.3	9	●	10:50 PM	0.3	9
10	03:35 AM	3.8	116	25	04:56 AM	4.2	128	10	04:15 AM	4.3	131	25	05:14 AM	4.4	134
M	09:42 AM	0.8	24	Tu	11:06 AM	0.5	15	Th	10:23 AM	0.2	6	F	11:25 AM	0.4	12
●	04:22 PM	4.3	131	●	05:29 PM	4.3	131	●	04:46 PM	4.4	134	●	05:28 PM	3.9	119
●	10:35 PM	0.9	27	●	11:38 PM	0.5	15	●	10:51 PM	0.0	0	●	11:37 PM	0.2	6
11	04:41 AM	3.9	119	26	05:52 AM	4.4	134	11	05:15 AM	4.6	140	26	06:02 AM	4.6	140
Tu	10:45 AM	0.6	18	W	12:01 PM	0.4	12	F	11:25 AM	0.0	0	Sa	12:14 PM	0.2	6
●	05:22 PM	4.5	137	●	06:18 PM	4.3	131	●	05:42 PM	4.5	137	●	06:14 PM	4.0	122
●	11:29 PM	0.6	18	●	07:03 PM	4.4	134	●	11:46 PM	-0.2	-6	●	06:14 PM	4.0	122
12	05:43 AM	4.2	128	27	12:27 AM	0.4	12	12	06:11 AM	5.0	152	27	12:22 AM	0.1	3
W	11:47 AM	0.4	12	Th	06:43 AM	4.6	140	Sa	12:25 PM	-0.3	-9	Su	06:47 AM	4.7	143
●	06:19 PM	4.7	143	●	12:53 PM	0.4	12	●	06:35 PM	4.6	140	●	01:01 PM	0.1	3
●	07:11 PM	4.9	149	●	07:03 PM	4.4	134	●	07:27 PM	4.7	143	●	06:58 PM	4.0	122
13	12:23 AM	0.3	9	28	01:13 AM	0.3	9	13	12:40 AM	-0.5	-15	28	01:04 AM	0.0	0
Th	06:40 AM	4.6	140	F	07:29 AM	4.8	146	Su	07:05 AM	5.3	162	M	07:31 AM	4.8	146
●	12:47 PM	0.1	3	●	01:42 PM	0.3	9	●	01:21 PM	-0.5	-15	●	01:45 PM	0.0	0
●	07:11 PM	4.9	149	●	07:46 PM	4.4	134	●	07:27 PM	4.7	143	●	07:42 PM	4.0	122
14	01:16 AM	0.0	0	29	01:56 AM	0.2	6	14	01:32 AM	-0.7	-21	29	01:45 AM	0.0	0
F	07:34 AM	5.0	152	Sa	08:13 AM	4.9	149	M	07:59 AM	5.5	168	Tu	08:14 AM	4.7	143
●	01:44 PM	-0.2	-6	●	02:28 PM	0.2	6	●	02:15 PM	-0.7	-21	●	02:27 PM	0.0	0
●	08:02 PM	5.0	152	●	08:28 PM	4.4	134	●	08:20 PM	4.7	143	●	08:25 PM	3.9	119
15	02:07 AM	-0.3	-9	30	02:37 AM	0.2	6	15	02:22 AM	-0.8	-24	30	02:23 AM	0.0	0
Sa	08:26 AM	5.3	162	Su	08:56 AM	4.9	149	Tu	08:53 AM	5.6	171	W	08:58 AM	4.7	143
●	02:39 PM	-0.4	-12	●	03:11 PM	0.1	3	●	03:07 PM	-0.6	-18	●	03:07 PM	0.1	3
●	08:52 PM	5.0	152	●	09:10 PM	4.3	131	●	09:12 PM	4.6	140	●	09:08 PM	3.8	116
16	03:00 AM	0.0	0	31	03:15 AM	0.2	6	16	03:51 AM	0.2	6	31	02:23 AM	0.0	0
Th	09:40 AM	4.6	140	M	09:39 AM	4.9	149	Th	10:22 AM	4.8	146	Th	08:58 AM	4.7	143
●	03:45 PM	0.1	3	●	03:51 PM	0.2	6	●	04:30 PM	0.3	9	●	03:07 PM	0.1	3
●	09:50 PM	3.8	116	●	09:52 PM	4.2	128	●	10:34 PM	4.1	125	●	09:08 PM	3.8	116
17	03:36 AM	0.1	3	1	03:43 AM	-0.9	-27	17	04:02 AM	-0.6	-18	1	03:12 AM	-0.8	-24
F	10:20 AM	4.5	137	F	10:19 AM	5.1	155	2	04:02 AM	-0.6	-18	2	03:00 AM	0.0	0
●	04:24 PM	0.2	6	●	04:27 PM	-0.1	-3	●	10:20 AM	4.5	137	●	09:40 AM	4.6	140
●	10:31 PM	3.7	113	●	10:34 PM	4.2	128	●	10:20 AM	4.5	137	●	03:45 PM	0.1	3
18	04:14 AM	0.2	6	2	04:33 AM	-0.6	-18	3	04:02 AM	-0.6	-18	3	03:45 PM	0.1	3
Sa	10:59 AM	4.4	134	Sa	11:07 AM	4.8	146	4	04:02 AM	-0.6	-18	4	09:50 PM	3.8	116
●	05:05 PM	0.3	9	●	11:23 PM	4.1	125	●	10:20 AM	4.5	137	●	10:31 PM	3.7	113
●	11:11 PM	3.6	110	●	05:25 AM	-0.3	-9	●	10:20 AM	4.5	137	●	10:31 PM	3.7	113
19	04:56 AM	0.2	6	3	05:25 AM	-0.3	-9	5	04:54 AM	-0.4	-12	5	04:14 AM	0.2	6
Su	11:38 AM	4.3	131	M	11:53 AM	4.5	137	M	04:54 AM	-0.4	-12	6	10:59 AM	4.4	134
●	05:49 PM	0.3	9	●	12:38 PM	4.2	128	●	05:42 PM	0.0	0	●	05:05 PM	0.3	9
●	11:53 PM	3.6	110	●	06:06 PM	0.0	0	●	05:42 PM	0.0	0	●	11:11 PM	3.6	110
20	05:47 AM	0.3	9	4	12:12 AM	4.0	122	6	05:48 AM	-0.1	-3	7	04:56 AM	0.2	6
M	12:20 PM	4.2	128	Tu	06:19 AM	0.0									