



NOAA Tide Predictions

KIPTOPEKE, Virginia, 2014

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.



Times and Heights of High and Low Waters

January					February					March							
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 W	01:37 AM 08:00 AM 02:31 PM 08:24 PM	-0.7 -21 3.3 101 -0.6 -18 2.6 79	16 Th	02:16 AM 08:38 AM 03:04 PM 08:56 PM	-0.2 -6 2.7 82 -0.1 -3 2.3 70	1 Sa	03:17 AM 09:29 AM 03:51 PM 09:55 PM	-0.8 -24 3.2 98 -0.7 -21 2.9 88	16 Su	03:08 AM 09:19 AM 03:33 PM 09:38 PM	-0.2 -6 2.6 79 -0.2 -6 2.5 76	1 Sa	02:12 AM 08:22 AM 02:39 PM 08:45 PM	-0.7 -21 3.2 98 -0.6 -18 3.1 94	16 Su	03:09 AM 09:17 AM 03:25 PM 09:35 PM	-0.1 -3 2.7 82 -0.1 -3 2.8 85
2 Th	02:32 AM 08:53 AM 03:22 PM 09:18 PM	-0.7 -21 3.3 101 -0.7 -21 2.7 82	17 F	02:52 AM 09:11 AM 03:35 PM 09:32 PM	-0.2 -6 2.6 79 -0.1 -3 2.3 70	2 Su	04:11 AM 10:19 AM 04:39 PM 10:46 PM	-0.7 -21 3.0 91 -0.7 -21 2.9 88	17 M	03:45 AM 09:51 AM 04:05 PM 10:12 PM	-0.2 -6 2.6 79 -0.2 -6 2.6 79	2 Su	03:05 AM 09:11 AM 03:25 PM 09:34 PM	-0.7 -21 3.1 94 -0.6 -18 3.1 94	17 M	03:47 AM 09:51 AM 03:58 PM 10:09 PM	-0.1 -3 2.7 82 -0.1 -3 2.9 88
3 F	03:28 AM 09:45 AM 04:13 PM 10:12 PM	-0.7 -21 3.3 101 -0.7 -21 2.7 82	18 Sa	03:29 AM 09:44 AM 04:06 PM 10:07 PM	-0.2 -6 2.6 79 -0.1 -3 2.3 70	3 M	05:06 AM 11:09 AM 05:27 PM 11:39 PM	-0.5 -15 2.8 85 -0.6 -18 2.8 85	18 Tu	04:23 AM 10:26 AM 04:39 PM 10:49 PM	-0.1 -3 2.5 76 -0.2 -6 2.6 79	3 M	03:56 AM 09:58 AM 04:11 PM 10:22 PM	-0.6 -18 3.0 91 -0.5 -15 3.1 94	18 Tu	04:24 AM 10:26 AM 04:33 PM 10:44 PM	-0.1 -3 2.6 79 -0.1 -3 2.9 88
4 Sa	04:24 AM 10:37 AM 05:04 PM 11:08 PM	-0.6 -18 3.1 94 -0.6 -18 2.7 82	19 Su	04:06 AM 10:17 AM 04:38 PM 10:43 PM	-0.1 -3 2.5 76 -0.1 -3 2.3 70	4 Tu	06:03 AM 12:00 PM 06:17 PM	-0.3 -9 2.6 79 -0.4 -12	19 W	05:04 AM 11:04 AM 05:18 PM 11:30 PM	0.0 0 2.4 73 -0.1 -3 2.6 79	4 Tu	04:47 AM 10:46 AM 04:56 PM 11:09 PM	-0.4 -12 2.8 85 -0.4 -12 3.0 91	19 W	05:04 AM 11:03 AM 05:11 PM 11:23 PM	-0.1 -3 2.6 79 -0.1 -3 2.9 88
5 Su	05:22 AM 11:31 AM 05:57 PM	-0.5 -15 2.9 88 -0.5 -15	20 M	04:45 AM 10:52 AM 05:13 PM 11:20 PM	0.0 0 2.4 73 -0.1 -3 2.3 70	5 W	12:34 AM 07:02 AM 12:54 PM 07:09 PM	2.7 82 -0.1 -3 2.4 73 -0.2 -6	20 Th	05:50 AM 11:47 AM 06:02 PM	0.0 0 2.3 70 -0.1 -3	5 W	05:39 AM 11:33 AM 05:42 PM 11:59 PM	-0.2 -6 2.6 79 -0.2 -6 2.8 85	20 Th	05:46 AM 11:43 AM 05:52 PM	0.0 0 2.5 76 -0.1 -3
6 M	12:06 AM 06:24 AM 12:26 PM 06:51 PM	2.7 82 -0.3 -9 2.7 82 -0.4 -12	21 Tu	05:27 AM 11:30 AM 05:50 PM	0.0 0 2.3 70 -0.1 -3	6 Th	01:32 AM 08:05 AM 01:52 PM 08:05 PM	2.5 76 0.0 0 2.2 67 -0.1 -3	21 F	12:17 AM 06:42 AM 12:36 PM 06:53 PM	2.6 79 0.1 3 2.2 67 -0.1 -3	6 Th	06:33 AM 12:23 PM 06:31 PM	0.0 0 2.4 73 0.0 0	21 F	12:05 AM 06:33 AM 12:28 PM 06:39 PM	2.9 88 0.0 0 2.5 76 0.0 0
7 Tu	01:06 AM 07:28 AM 01:24 PM 07:46 PM	2.6 79 -0.1 -3 2.4 73 -0.3 -9	22 W	12:02 AM 06:14 AM 12:13 PM 06:33 PM	2.3 70 0.1 3 2.2 67 -0.1 -3	7 F	02:34 AM 09:10 AM 02:54 PM 09:03 PM	2.4 73 0.2 6 2.0 61 0.0 0	22 Sa	01:11 AM 07:42 AM 01:34 PM 07:52 PM	2.6 79 0.2 6 2.2 67 0.0 0	7 F	12:51 AM 07:30 AM 01:17 PM 07:23 PM	2.6 79 0.2 6 2.2 67 0.1 3	22 Sa	12:54 AM 07:26 AM 01:20 PM 07:33 PM	2.9 88 0.1 3 2.4 73 0.1 3
8 W	02:09 AM 08:36 AM 02:26 PM 08:44 PM	2.5 76 0.0 0 2.2 67 -0.2 -6	23 Th	12:49 AM 07:07 AM 01:02 PM 07:23 PM	2.3 70 0.1 3 2.1 64 -0.1 -3	8 Sa	03:38 AM 10:14 AM 03:56 PM 10:03 PM	2.4 73 0.2 6 2.0 61 0.1 3	23 Su	02:14 AM 08:50 AM 02:40 PM 08:58 PM	2.6 79 0.2 6 2.1 64 -0.1 -3	8 Sa	01:48 AM 08:31 AM 02:16 PM 08:22 PM	2.5 76 0.3 9 2.1 64 0.3 9	23 Su	01:50 AM 08:26 AM 02:20 PM 08:36 PM	2.8 85 0.2 6 2.3 70 0.1 3
9 Th	03:13 AM 09:43 AM 03:29 PM 09:41 PM	2.5 76 0.1 3 2.1 64 -0.1 -3	24 F	01:42 AM 08:08 AM 01:59 PM 08:18 PM	2.4 73 0.2 6 2.1 64 -0.1 -3	9 Su	04:39 AM 11:12 AM 04:55 PM 10:59 PM	2.4 73 0.2 6 2.0 61 0.1 3	24 M	03:23 AM 10:00 AM 03:51 PM 10:08 PM	2.7 82 0.1 3 2.2 67 -0.2 -6	9 Su	03:51 AM 10:33 AM 04:18 PM 10:24 PM	2.4 73 0.4 12 2.1 64 0.3 9	24 M	02:55 AM 09:33 AM 03:28 PM 09:46 PM	2.8 85 0.2 6 2.3 70 0.1 3
10 F	04:15 AM 10:46 AM 04:30 PM 10:36 PM	2.5 76 0.1 3 2.0 61 -0.1 -3	25 Sa	02:42 AM 09:14 AM 03:02 PM 09:20 PM	2.5 76 0.1 3 2.0 61 -0.2 -6	10 M	05:33 AM 12:02 PM 05:48 PM 11:50 PM	2.4 73 0.2 6 2.1 64 0.0 0	25 Tu	04:33 AM 11:06 AM 05:01 PM 11:16 PM	2.8 85 0.0 0 2.4 73 -0.3 -9	10 M	04:56 AM 11:31 AM 05:19 PM 11:24 PM	2.3 70 0.4 12 2.1 64 0.3 9	25 Tu	04:05 AM 10:42 AM 04:41 PM 10:59 PM	2.8 85 0.2 6 2.4 73 0.0 0
11 Sa	05:11 AM 11:42 AM 05:25 PM 11:28 PM	2.5 76 0.0 0 2.0 61 -0.1 -3	26 Su	03:47 AM 10:22 AM 04:09 PM 10:24 PM	2.6 79 0.0 0 2.1 64 -0.3 -9	11 Tu	06:20 AM 12:46 PM 06:34 PM	2.5 76 0.1 3 2.2 67	26 W	05:38 AM 12:06 PM 06:04 PM	2.9 88 -0.2 -6 2.6 79	11 Tu	05:54 AM 12:22 PM 06:14 PM	2.4 73 0.4 12 2.2 67	26 W	05:17 AM 11:47 AM 05:50 PM	2.8 85 0.0 0 2.6 79
12 Su	06:02 AM 12:32 PM 06:15 PM	2.6 79 0.0 0 2.1 64	27 M	04:52 AM 11:27 AM 05:15 PM 11:28 PM	2.8 85 -0.1 -3 2.2 67 -0.4 -12	12 W	12:36 AM 07:02 AM 01:25 PM 07:16 PM	-0.1 -3 2.5 76 0.0 0 2.3 70	27 Th	12:19 AM 06:37 AM 01:01 PM 07:02 PM	-0.5 -15 3.1 94 -0.4 -12 2.8 85	12 W	12:19 AM 06:45 AM 01:07 PM 07:03 PM	0.2 6 2.4 73 0.3 9 2.3 70	27 Th	12:08 AM 06:23 AM 12:45 PM 06:52 PM	-0.1 -3 2.9 88 -0.1 -3 2.8 85
13 M	12:15 AM 06:46 AM 01:16 PM 07:00 PM	-0.1 -3 2.6 79 0.0 0 2.1 64	28 Tu	05:54 AM 12:26 PM 06:17 PM	2.9 88 -0.3 -9 2.4 73	13 Th	01:17 AM 07:39 AM 02:00 PM 07:55 PM	-0.1 -3 2.6 79 0.0 0 2.3 70	28 F	01:17 AM 07:32 AM 01:51 PM 07:55 PM	-0.6 -18 3.1 94 -0.5 -15 3.0 91	13 Th	01:08 AM 07:28 AM 01:45 PM 07:46 PM	0.1 3 2.5 76 0.2 6 2.5 76	28 F	01:11 AM 07:21 AM 01:38 PM 07:48 PM	-0.2 -6 3.0 91 -0.3 -9 3.0 91
14 Tu	12:58 AM 07:26 AM 01:55 PM 07:41 PM	-0.2 -6 2.6 79 -0.1 -3 2.2 67	29 W	12:28 AM 06:52 AM 01:21 PM 07:15 PM	-0.6 -18 3.1 94 -0.5 -15 2.6 79	14 F	01:55 AM 08:14 AM 02:32 PM 08:31 PM	-0.2 -6 2.6 79 -0.1 -3 2.4 73	29 Sa	01:51 AM 08:07 AM 02:20 PM 08:24 PM	0.1 3 2.6 79 0.1 3 2.6 79	14 F	01:51 AM 08:07 AM 02:20 PM 08:24 PM	0.1 3 2.6 79 0.1 3 2.6 79	29 Sa	02:08 AM 08:14 AM 02:27 PM 08:38 PM	-0.4 -12 3.0 91 -0.4 -12 3.2 98
15 W	01:38 AM 08:03 AM 02:31 PM 08:19 PM	-0.2 -6 2.7 82 -0.1 -3 2.2 67	30 Th	01:26 AM 07:47 AM 02:12 PM 08:10 PM	-0.7 -21 3.2 98 -0.6 -18 2.7 82	15 Sa	02:32 AM 08:47 AM 03:02 PM 09:05 PM	-0.2 -6 2.6 79 -0.1 -3 2.5 76	30 Su	02:31 AM 08:43 AM 02:53 PM 09:00 PM	0.0 0 2.6 79 0.0 0 2.7 82	15 Sa	02:31 AM 08:43 AM 02:53 PM 09:00 PM	0.0 0 2.6 79 0.0 0 2.7 82	30 Su	03:01 AM 09:04 AM 03:14 PM 09:26 PM	-0.4 -12 3.1 94 -0.4 -12 3.3 101
			31 F	02:22 AM 08:39 AM 03:02 PM 09:03 PM	-0.8 -24 3.2 98 -0.7 -21 2.8 85							31 M	03:52 AM 09:51 AM 03:58 PM 10:11 PM	-0.4 -12 3.0 91 -0.4 -12 3.3 101			



KIPTOPEKE, Virginia, 2014

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

Times and Heights of High and Low Waters

April				May				June			
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
1 Tu	04:40 AM -0.4 -12 10:37 AM 2.9 88 04:41 PM -0.3 -9 10:56 PM 3.2 98	16 W	04:04 AM -0.1 -3 10:01 AM 2.7 82 04:04 PM -0.1 -3 10:19 PM 3.2 98	1 Th	05:07 AM -0.1 -3 10:58 AM 2.6 79 04:55 PM 0.0 0 11:11 PM 3.1 94	16 F	04:30 AM -0.2 -6 10:25 AM 2.7 82 04:28 PM -0.2 -6 10:45 PM 3.4 104	1 Su	06:02 AM 0.2 6 11:57 AM 2.4 73 05:50 PM 0.3 9	16 M	05:55 AM -0.3 -9 11:56 AM 2.8 85 06:07 PM -0.2 -6
2 W	05:27 AM -0.2 -6 11:21 AM 2.8 85 05:24 PM -0.1 -3 11:39 PM 3.1 94	17 Th	04:47 AM -0.1 -3 10:43 AM 2.7 82 04:47 PM -0.1 -3 11:02 PM 3.2 98	2 F	05:50 AM 0.0 0 11:41 AM 2.5 76 05:36 PM 0.2 6 11:53 PM 2.9 88	17 Sa	05:19 AM -0.2 -6 11:14 AM 2.7 82 05:20 PM -0.1 -3 11:36 PM 3.3 101	2 M	12:05 AM 2.8 85 06:40 AM 0.2 6 12:39 PM 2.4 73 06:34 PM 0.4 12	17 Tu	12:18 AM 3.2 98 06:48 AM -0.3 -9 12:54 PM 2.8 85 07:08 PM -0.1 -3
3 Th	06:14 AM -0.1 -3 12:07 PM 2.6 79 06:08 PM 0.0 0	18 F	05:32 AM -0.1 -3 11:27 AM 2.6 79 05:33 PM 0.0 0 11:48 PM 3.2 98	3 Sa	06:32 AM 0.2 6 12:25 PM 2.5 76 06:20 PM 0.3 9	18 Su	06:10 AM -0.1 -3 12:07 PM 2.7 82 06:15 PM -0.1 -3	3 Tu	12:46 AM 2.6 79 07:18 AM 0.3 9 01:24 PM 2.4 73 07:21 PM 0.5 15	18 W	01:14 AM 3.0 91 07:43 AM -0.2 -6 01:55 PM 2.8 85 08:14 PM 0.0 0
4 F	12:24 AM 2.9 88 07:02 AM 0.1 3 12:53 PM 2.4 73 06:54 PM 0.2 6	19 Sa	06:21 AM 0.0 0 12:16 PM 2.6 79 06:25 PM 0.0 0	4 Su	12:36 AM 2.8 85 07:16 AM 0.3 9 01:11 PM 2.4 73 07:07 PM 0.4 12	19 M	12:29 AM 3.2 98 07:04 AM -0.1 -3 01:05 PM 2.7 82 07:16 PM 0.0 0	4 W	01:30 AM 2.5 76 07:59 AM 0.3 9 02:12 PM 2.4 73 08:12 PM 0.5 15	19 Th	02:14 AM 2.8 85 08:40 AM -0.1 -3 02:59 PM 2.9 88 09:22 PM 0.1 3
5 Sa	01:11 AM 2.7 82 07:53 AM 0.3 9 01:43 PM 2.3 70 07:43 PM 0.3 9	20 Su	12:40 AM 3.1 94 07:15 AM 0.1 3 01:11 PM 2.5 76 07:23 PM 0.1 3	5 M	01:22 AM 2.6 79 08:01 AM 0.4 12 02:01 PM 2.3 70 07:58 PM 0.5 15	20 Tu	01:27 AM 3.0 91 08:02 AM 0.0 0 02:07 PM 2.7 82 08:23 PM 0.1 3	5 Th	02:17 AM 2.4 73 08:43 AM 0.4 12 03:02 PM 2.4 73 09:08 PM 0.6 18	20 F	03:17 AM 2.7 82 09:38 AM -0.1 -3 04:03 PM 2.9 88 10:31 PM 0.2 6
6 Su	02:03 AM 2.6 79 08:46 AM 0.4 12 02:38 PM 2.2 67 08:39 PM 0.5 15	21 M	01:38 AM 3.0 91 08:15 AM 0.1 3 02:13 PM 2.5 76 08:28 PM 0.2 6	6 Tu	02:12 AM 2.5 76 08:49 AM 0.5 15 02:55 PM 2.3 70 08:55 PM 0.6 18	21 W	02:30 AM 2.9 88 09:02 AM 0.0 0 03:14 PM 2.7 82 09:34 PM 0.2 6	6 F	03:08 AM 2.3 70 09:29 AM 0.3 9 03:53 PM 2.5 76 10:06 PM 0.5 15	21 Sa	04:21 AM 2.5 76 10:35 AM 0.0 0 05:05 PM 2.9 88 11:36 PM 0.2 6
7 M	03:00 AM 2.4 73 09:43 AM 0.5 15 03:37 PM 2.2 67 09:40 PM 0.5 15	22 Tu	02:42 AM 2.9 88 09:19 AM 0.1 3 03:22 PM 2.6 79 09:40 PM 0.2 6	7 W	03:06 AM 2.4 73 09:38 AM 0.5 15 03:50 PM 2.3 70 09:55 PM 0.6 18	22 Th	03:36 AM 2.7 82 10:02 AM 0.0 0 04:21 PM 2.8 85 10:44 PM 0.2 6	7 Sa	04:01 AM 2.3 70 10:17 AM 0.3 9 04:45 PM 2.6 79 11:05 PM 0.5 15	22 Su	05:24 AM 2.4 73 11:32 AM 0.0 0 06:03 PM 3.0 91
8 Tu	04:02 AM 2.4 73 10:38 AM 0.5 15 04:37 PM 2.2 67 10:42 PM 0.5 15	23 W	03:51 AM 2.8 85 10:23 AM 0.1 3 04:33 PM 2.7 82 10:53 PM 0.1 3	8 Th	04:03 AM 2.3 70 11:15 AM 0.5 15 04:45 PM 2.4 73 10:55 PM 0.5 15	23 F	04:42 AM 2.7 82 11:01 AM 0.0 0 05:25 PM 2.9 88 11:51 PM 0.1 3	8 Su	04:57 AM 2.3 70 11:07 AM 0.2 6 05:35 PM 2.8 85	23 M	12:35 AM 0.1 3 06:23 AM 2.4 73 12:25 PM 0.0 0 06:56 PM 3.0 91
9 W	05:02 AM 2.4 73 11:29 AM 0.5 15 05:33 PM 2.3 70 11:41 PM 0.4 12	24 Th	05:01 AM 2.8 85 11:25 AM 0.0 0 05:39 PM 2.8 85	9 F	04:58 AM 2.3 70 11:15 AM 0.4 12 05:36 PM 2.6 79 11:50 PM 0.4 12	24 Sa	05:45 AM 2.6 79 11:57 AM -0.1 -3 06:22 PM 3.0 91	9 M	12:01 AM 0.3 9 05:51 AM 2.3 70 11:57 AM 0.1 3 06:24 PM 2.9 88	24 Tu	01:29 AM 0.1 3 07:16 AM 2.4 73 01:15 PM 0.0 0 07:44 PM 3.0 91
10 Th	05:56 AM 2.4 73 12:15 PM 0.4 12 06:23 PM 2.5 76	25 F	12:01 AM 0.0 0 06:05 AM 2.8 85 12:22 PM -0.1 -3 06:39 PM 3.0 91	10 Sa	05:51 AM 2.4 73 12:00 PM 0.3 9 06:23 PM 2.7 82	25 Su	12:51 AM 0.0 0 06:43 AM 2.6 79 12:49 PM -0.1 -3 07:15 PM 3.1 94	10 Tu	12:54 AM 0.2 6 06:44 AM 2.4 73 12:47 PM 0.0 0 07:13 PM 3.1 94	25 W	02:18 AM 0.1 3 08:05 AM 2.4 73 02:01 PM 0.0 0 08:27 PM 3.0 91
11 F	12:33 AM 0.3 9 06:44 AM 2.5 76 12:55 PM 0.3 9 07:07 PM 2.6 79	26 Sa	01:02 AM -0.1 -3 07:03 AM 2.8 85 01:14 PM -0.2 -6 07:32 PM 3.2 98	11 Su	12:41 AM 0.3 9 06:39 AM 2.4 73 12:43 PM 0.2 6 07:06 PM 2.9 88	26 M	01:45 AM 0.0 0 07:36 AM 2.6 79 01:38 PM -0.1 -3 08:02 PM 3.2 98	11 W	01:45 AM 0.0 0 07:36 AM 2.5 76 01:38 PM -0.1 -3 08:02 PM 3.3 101	26 Th	03:02 AM 0.0 0 08:49 AM 2.5 76 02:45 PM 0.1 3 09:08 PM 3.0 91
12 Sa	01:19 AM 0.2 6 07:27 AM 2.5 76 01:33 PM 0.2 6 07:48 PM 2.8 85	27 Su	01:58 AM -0.2 -6 07:56 AM 2.8 85 02:02 PM -0.2 -6 08:20 PM 3.3 101	12 M	01:28 AM 0.2 6 07:25 AM 2.5 76 01:26 PM 0.1 3 07:48 PM 3.1 94	27 Tu	02:35 AM -0.1 -3 08:25 AM 2.6 79 02:23 PM -0.1 -3 08:46 PM 3.2 98	12 Th	02:34 AM -0.1 -3 08:26 AM 2.6 79 02:28 PM -0.2 -6 08:51 PM 3.4 104	27 F	03:43 AM 0.1 3 09:31 AM 2.5 76 03:25 PM 0.1 3 09:46 PM 3.0 91
13 Su	02:02 AM 0.1 3 08:06 AM 2.6 79 02:10 PM 0.1 3 08:25 PM 2.9 88	28 M	02:49 AM -0.2 -6 08:44 AM 2.8 85 02:48 PM -0.2 -6 09:06 PM 3.3 101	13 Tu	02:14 AM 0.1 3 08:09 AM 2.6 79 02:09 PM 0.0 0 08:30 PM 3.2 98	28 W	03:21 AM -0.1 -3 09:10 AM 2.6 79 03:06 PM 0.0 0 09:28 PM 3.2 98	13 F	03:24 AM -0.2 -6 09:17 AM 2.7 82 03:20 PM -0.3 -9 09:41 PM 3.4 104	28 Sa	04:21 AM 0.1 3 10:11 AM 2.5 76 04:05 PM 0.1 3 10:23 PM 2.9 88
14 M	02:43 AM 0.0 0 08:44 AM 2.6 79 02:46 PM 0.0 0 09:02 PM 3.1 94	29 Tu	03:37 AM -0.2 -6 09:30 AM 2.8 85 03:31 PM -0.2 -6 09:49 PM 3.3 101	14 W	02:59 AM -0.1 -3 08:53 AM 2.6 79 02:54 PM -0.1 -3 09:13 PM 3.3 101	29 Th	04:04 AM -0.1 -3 09:53 AM 2.6 79 03:48 PM 0.0 0 10:07 PM 3.1 94	14 Sa	04:13 AM -0.3 -9 10:08 AM 2.7 82 04:13 PM -0.3 -9 10:31 PM 3.4 104	29 Su	04:56 AM 0.1 3 10:50 AM 2.5 76 04:44 PM 0.2 6 10:59 PM 2.9 88
15 Tu	03:23 AM 0.0 0 09:22 AM 2.7 82 03:24 PM -0.1 -3 09:40 PM 3.1 94	30 W	04:23 AM -0.2 -6 10:15 AM 2.7 82 04:13 PM -0.1 -3 10:30 PM 3.2 98	15 Th	03:44 AM -0.1 -3 09:38 AM 2.7 82 03:40 PM -0.2 -6 09:58 PM 3.4 104	30 F	04:45 AM 0.0 0 10:34 AM 2.5 76 04:28 PM 0.1 3 10:46 PM 3.0 91	15 Su	05:04 AM -0.3 -9 11:01 AM 2.8 85 05:09 PM -0.3 -9 11:24 PM 3.3 101	30 M	05:30 AM 0.1 3 11:28 AM 2.5 76 05:23 PM 0.2 6 11:35 PM 2.8 85
						31 Sa	05:24 AM 0.1 3 11:15 AM 2.5 76 05:09 PM 0.2 6 11:25 PM 2.9 88				

Disclaimer: These data are based upon the latest information available as of the date of your request, and may differ from the published tide tables.



KIPTOPEKE, Virginia, 2014

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

Times and Heights of High and Low Waters

July				August				September			
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
1 Tu	06:03 AM 0.2 6 12:07 PM 2.5 76 06:04 PM 0.3 9	16 W	12:02 AM 3.2 98 06:26 AM -0.3 -9 12:36 PM 3.1 94 06:56 PM -0.1 -94	1 F	12:17 AM 2.6 79 06:34 AM 0.3 9 12:49 PM 2.7 82 07:01 PM 0.5 15	16 Sa	01:30 AM 2.8 85 07:43 AM 0.1 3 02:06 PM 3.1 94 08:42 PM 0.3 9	1 M	01:14 AM 2.6 79 07:26 AM 0.4 12 01:46 PM 3.0 91 08:17 PM 0.6 18	16 Tu	03:02 AM 2.5 76 09:06 AM 0.6 18 03:35 PM 2.9 88 10:18 PM 0.7 21
2 W	12:12 AM 2.7 82 06:38 AM 0.2 6 12:47 PM 2.5 76 06:47 PM 0.4 12	17 Th	12:57 AM 3.0 91 07:19 AM -0.2 -6 01:35 PM 3.0 91 07:59 PM 0.0 0	2 Sa	12:58 AM 2.5 76 07:13 AM 0.3 9 01:31 PM 2.7 82 07:50 PM 0.5 15	17 Su	02:29 AM 2.6 79 08:39 AM 0.2 6 03:08 PM 3.0 91 09:47 PM 0.4 12	2 Tu	02:08 AM 2.5 76 08:22 AM 0.4 12 02:44 PM 3.0 91 09:20 PM 0.6 18	17 W	04:06 AM 2.5 76 10:09 AM 0.7 21 04:38 PM 2.8 85 11:16 PM 0.7 21
3 Th	12:52 AM 2.5 76 07:14 AM 0.2 6 01:29 PM 2.5 76 07:34 PM 0.5 15	18 F	01:54 AM 2.8 85 08:13 AM -0.1 -3 02:36 PM 3.0 91 09:05 PM 0.2 6	3 Su	01:43 AM 2.4 73 07:59 AM 0.3 9 02:20 PM 2.8 85 08:45 PM 0.6 18	18 M	03:32 AM 2.5 76 09:39 AM 0.4 12 04:12 PM 2.9 88 10:51 PM 0.5 15	3 W	03:10 AM 2.5 76 09:25 AM 0.4 12 03:48 PM 3.1 94 10:27 PM 0.5 15	18 Th	05:07 AM 2.5 76 11:10 AM 0.7 21 05:36 PM 2.8 85
4 F	01:34 AM 2.4 73 07:55 AM 0.3 9 02:14 PM 2.5 76 08:26 PM 0.5 15	19 Sa	02:55 AM 2.6 79 09:10 AM 0.0 0 03:39 PM 3.0 91 10:12 PM 0.3 9	4 M	02:36 AM 2.4 73 08:51 AM 0.3 9 03:15 PM 2.8 85 09:47 PM 0.5 15	19 Tu	04:36 AM 2.4 73 10:40 AM 0.4 12 05:14 PM 2.9 88 11:50 PM 0.5 15	4 Th	04:18 AM 2.6 79 10:32 AM 0.3 9 04:56 PM 3.1 94 11:32 PM 0.4 12	19 F	12:07 AM 0.6 18 06:01 AM 2.6 79 12:05 PM 0.6 18 06:26 PM 2.9 88
5 Sa	02:21 AM 2.3 70 08:40 AM 0.3 9 03:03 PM 2.6 79 09:22 PM 0.5 15	20 Su	03:58 AM 2.5 76 10:08 AM 0.1 3 04:41 PM 2.9 88 11:16 PM 0.3 9	5 Tu	03:35 AM 2.4 73 09:49 AM 0.3 9 04:15 PM 2.9 88 10:51 PM 0.5 15	20 W	05:37 AM 2.4 73 11:39 AM 0.4 12 06:10 PM 2.9 88	5 F	05:27 AM 2.7 82 11:40 AM 0.2 6 06:01 PM 3.3 101	20 Sa	12:51 AM 0.6 18 06:49 AM 2.7 82 12:54 PM 0.5 15 07:09 PM 2.9 88
6 Su	03:13 AM 2.3 70 09:29 AM 0.2 6 03:56 PM 2.7 82 10:22 PM 0.5 15	21 M	05:02 AM 2.4 73 11:07 AM 0.2 6 05:41 PM 2.9 88	6 W	04:39 AM 2.4 73 10:51 AM 0.2 6 05:18 PM 3.1 94 11:54 PM 0.3 9	21 Th	12:42 AM 0.5 15 06:31 AM 2.5 76 12:32 PM 0.4 12 06:59 PM 2.9 88	6 Sa	12:31 AM 0.2 6 06:31 AM 2.9 88 12:44 PM 0.1 3 07:01 PM 3.4 104	21 Su	01:29 AM 0.5 15 07:32 AM 2.9 88 01:38 PM 0.5 15 07:48 PM 2.9 88
7 M	04:10 AM 2.3 70 10:23 AM 0.2 6 04:51 PM 2.8 85 11:23 PM 0.4 12	22 Tu	12:16 AM 0.3 9 06:01 AM 2.4 73 12:02 PM 0.2 6 06:36 PM 2.9 88	7 Th	05:44 AM 2.5 76 11:54 AM 0.1 3 06:20 PM 3.2 98	22 F	01:28 AM 0.4 12 07:19 AM 2.6 79 01:20 PM 0.4 12 07:42 PM 2.9 88	7 Su	01:26 AM 0.0 0 07:29 AM 3.2 98 01:44 PM -0.1 -3 07:57 PM 3.5 107	22 M	02:04 AM 0.4 12 08:10 AM 3.0 91 02:18 PM 0.4 12 08:25 PM 3.0 91
8 Tu	05:10 AM 2.3 70 11:19 AM 0.1 3 05:47 PM 3.0 91	23 W	01:09 AM 0.3 9 06:55 AM 2.4 73 12:54 PM 0.2 6 07:24 PM 2.9 88	8 F	12:53 AM 0.1 3 06:46 AM 2.7 82 12:56 PM -0.1 -3 07:18 PM 3.4 104	23 Sa	02:08 AM 0.4 12 08:01 AM 2.7 82 02:03 PM 0.3 9 08:21 PM 3.0 91	8 M	02:17 AM -0.1 -3 08:24 AM 3.4 104 02:41 PM -0.2 -6 08:49 PM 3.5 107	23 Tu	02:36 AM 0.3 9 08:46 AM 3.1 94 02:55 PM 0.4 12 08:59 PM 3.0 91
9 W	12:21 AM 0.2 6 06:09 AM 2.4 73 12:16 PM 0.0 0 06:43 PM 3.2 98	24 Th	01:56 AM 0.2 6 07:43 AM 2.4 73 01:41 PM 0.2 6 08:07 PM 3.0 91	9 Sa	01:48 AM 0.0 0 07:45 AM 2.9 88 01:55 PM -0.2 -6 08:14 PM 3.5 107	24 Su	02:43 AM 0.3 9 08:41 AM 2.8 85 02:43 PM 0.3 9 08:56 PM 3.0 91	9 Tu	03:06 AM -0.2 -6 09:16 AM 3.5 107 03:36 PM -0.2 -6 09:40 PM 3.5 107	24 W	03:07 AM 0.3 9 09:20 AM 3.2 98 03:32 PM 0.3 9 09:33 PM 2.9 88
10 Th	01:17 AM 0.1 3 07:07 AM 2.5 76 01:13 PM -0.1 -3 07:38 PM 3.3 101	25 F	02:38 AM 0.2 6 08:27 AM 2.5 76 02:24 PM 0.2 6 08:47 PM 3.0 91	10 Su	02:41 AM -0.2 -6 08:40 AM 3.1 94 02:52 PM -0.3 -9 09:07 PM 3.6 110	25 M	03:16 AM 0.3 9 09:17 AM 2.9 88 03:20 PM 0.3 9 09:30 PM 3.0 91	10 W	03:54 AM -0.3 -9 10:06 AM 3.6 110 04:30 PM -0.2 -6 10:30 PM 3.4 104	25 Th	03:39 AM 0.3 9 09:53 AM 3.2 98 04:09 PM 0.3 9 10:07 PM 2.9 88
11 F	02:11 AM -0.1 -3 08:03 AM 2.7 82 02:09 PM -0.3 -9 08:32 PM 3.4 104	26 Sa	03:16 AM 0.2 6 09:07 AM 2.6 79 03:05 PM 0.2 6 09:23 PM 3.0 91	11 M	03:31 AM -0.3 -9 09:34 AM 3.2 98 03:49 PM -0.3 -9 09:59 PM 3.5 107	26 Tu	03:46 AM 0.3 9 09:52 AM 2.9 88 03:56 PM 0.3 9 10:03 PM 2.9 88	11 Th	04:42 AM -0.2 -6 10:56 AM 3.6 110 05:23 PM -0.1 -3 11:20 PM 3.2 98	26 F	04:12 AM 0.3 9 10:27 AM 3.2 98 04:46 PM 0.4 12 10:43 PM 2.8 85
12 Sa	03:03 AM -0.2 -6 08:58 AM 2.8 85 03:05 PM -0.4 -12 09:24 PM 3.5 107	27 Su	03:51 AM 0.2 6 09:45 AM 2.6 79 03:43 AM 0.2 6 09:58 PM 2.9 88	12 Tu	04:20 AM -0.4 -12 10:27 AM 3.3 101 04:44 PM -0.3 -9 10:50 PM 3.4 104	27 W	04:16 AM 0.3 9 10:26 AM 3.0 91 04:33 PM 0.3 9 10:36 PM 2.9 88	12 F	05:29 AM -0.1 -3 11:46 AM 3.5 107 06:18 PM 0.1 3	27 Sa	04:48 AM 0.3 9 11:03 AM 3.2 98 05:27 PM 0.4 12 11:21 PM 2.8 85
13 Su	03:54 AM -0.3 -9 09:52 AM 2.9 88 04:01 PM -0.4 -12 10:16 PM 3.5 107	28 M	04:23 AM 0.2 6 10:22 AM 2.7 82 04:20 PM 0.2 6 10:32 PM 2.9 88	13 W	05:09 AM -0.3 -9 11:20 AM 3.4 104 05:41 PM -0.2 -6 11:42 PM 3.3 101	28 Th	04:48 AM 0.3 9 10:59 AM 3.0 91 05:10 PM 0.4 12 11:10 PM 2.8 85	13 Sa	12:10 AM 3.0 91 06:18 AM 0.1 3 12:38 PM 3.4 104 07:14 PM 0.3 9	28 Su	05:27 AM 0.3 9 11:43 AM 3.2 98 06:11 PM 0.5 15
14 M	04:44 AM -0.4 -12 10:46 AM 3.0 91 04:57 PM -0.3 -9 11:09 PM 3.4 104	29 Tu	04:54 AM 0.2 6 10:58 AM 2.7 82 04:57 PM 0.3 9 11:06 PM 2.8 85	14 Th	05:59 AM -0.3 -9 12:13 PM 3.3 101 06:38 PM 0.0 0	29 F	05:21 AM 0.3 9 11:34 AM 3.0 91 05:49 PM 0.4 12 11:47 PM 2.7 82	14 Su	01:04 AM 2.8 85 07:10 AM 0.3 9 01:32 PM 3.2 98 08:14 PM 0.5 15	29 M	12:04 AM 2.7 82 06:12 AM 0.4 12 12:29 PM 3.2 98 07:01 PM 0.5 15
15 Tu	05:35 AM -0.4 -12 11:40 AM 3.1 94 05:55 PM -0.2 -6	30 W	05:25 AM 0.2 6 11:33 AM 2.7 82 05:36 PM 0.3 9 11:40 PM 2.7 82	15 F	12:35 AM 3.0 91 06:50 AM -0.1 -3 01:08 PM 3.2 98 07:39 PM 0.1 3	30 Sa	05:57 AM 0.3 9 12:12 PM 3.0 91 06:33 PM 0.5 15	15 M	02:01 AM 2.6 79 08:05 AM 0.5 15 02:32 PM 3.0 91 09:16 PM 0.6 18	30 Tu	12:53 AM 2.6 79 07:03 AM 0.4 12 01:22 PM 3.1 94 07:58 PM 0.6 18
31 Th	05:58 AM 0.2 6 12:10 PM 2.7 82 06:16 PM 0.4 12					31 Su	12:27 AM 2.6 79 06:39 AM 0.4 12 12:56 PM 3.0 91 07:22 PM 0.6 18				



KIPTOPEKE, Virginia, 2014

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	01:50 AM	2.6	79	16	03:29 AM	2.5	76	1	03:57 AM	2.7	82	16	03:38 AM	2.4	73
W	08:02 AM	0.5	15	Th	09:30 AM	0.7	21	Sa	10:14 AM	0.3	9	Su	09:45 AM	0.6	18
	02:22 PM	3.1	94		03:51 PM	2.7	82		04:21 PM	2.9	88		03:47 PM	2.4	73
	09:01 PM	0.6	18		10:31 PM	0.7	21		10:50 PM	0.1	3		10:07 PM	0.4	12
2	02:56 AM	2.6	79	17	04:29 AM	2.5	76	2	04:05 AM	2.9	88	17	04:29 AM	2.6	79
Th	09:10 AM	0.5	15	F	10:33 AM	0.7	21	Su	10:24 AM	0.2	6	M	10:40 AM	0.5	15
	03:29 PM	3.1	94		04:49 PM	2.7	82		04:27 PM	2.9	88	Tu	04:38 PM	2.4	73
	10:08 PM	0.5	15		11:20 PM	0.6	18		10:48 PM	0.0	0		10:50 PM	0.3	9
3	04:06 AM	2.7	82	18	05:25 AM	2.6	79	3	05:06 AM	3.1	94	18	05:15 AM	2.7	82
F	10:22 AM	0.4	12	Sa	11:30 AM	0.7	21	M	11:28 AM	0.1	3	Tu	11:30 AM	0.4	12
	04:38 PM	3.1	94		05:42 PM	2.7	82		05:27 PM	3.0	91		05:25 PM	2.4	73
	11:11 PM	0.3	9						11:41 PM	-0.1	-3		11:31 PM	0.2	6
4	05:15 AM	2.9	88	19	12:04 AM	0.6	18	4	06:01 AM	3.3	101	19	05:57 AM	2.9	88
Sa	11:32 AM	0.3	9	Su	06:13 AM	2.7	82	Tu	12:27 PM	0.0	0	W	12:16 PM	0.3	9
	05:44 PM	3.2	98		12:21 PM	0.6	18		06:22 PM	3.0	91		06:09 PM	2.4	73
					06:28 PM	2.7	82								
5	12:10 AM	0.2	6	20	12:43 AM	0.5	15	5	12:31 AM	-0.2	-6	20	12:11 AM	0.1	3
Su	06:18 AM	3.1	94	M	06:57 AM	2.9	88	W	06:52 AM	3.5	107	Th	06:37 AM	3.0	91
	12:36 PM	0.1	3		01:07 PM	0.5	15		10:20 PM	-0.1	-3		12:59 PM	0.2	6
	06:44 PM	3.3	101		07:10 PM	2.7	82		07:13 PM	3.0	91		06:51 PM	2.5	76
6	01:03 AM	0.0	0	21	01:19 AM	0.4	12	6	01:19 AM	-0.2	-6	21	12:52 AM	0.0	0
M	07:15 AM	3.3	101	Tu	07:36 AM	3.0	91	Th	07:40 AM	3.5	107	F	07:16 AM	3.1	94
	01:35 PM	0.0	0		01:49 PM	0.4	12		02:11 PM	-0.2	-6		01:41 PM	0.1	3
	07:39 PM	3.3	101		07:48 PM	2.8	85		08:02 PM	2.9	88		07:33 PM	2.5	76
7	01:54 AM	-0.1	-3	22	01:53 AM	0.3	9	7	02:05 AM	-0.2	-6	22	01:33 AM	-0.1	-3
Tu	08:08 AM	3.5	107	W	08:12 AM	3.1	94	F	08:26 AM	3.5	107	Sa	07:56 AM	3.2	98
	02:31 PM	-0.1	-3		02:28 PM	0.3	9		02:59 PM	-0.1	-3		02:23 PM	0.0	0
	08:31 PM	3.3	101		08:26 PM	2.8	85		08:49 PM	2.9	88		08:15 PM	2.6	79
8	02:42 AM	-0.2	-6	23	02:28 AM	0.2	6	8	02:49 AM	-0.1	-3	23	02:16 AM	-0.2	-6
W	08:57 AM	3.7	113	Th	08:48 AM	3.2	98	Sa	09:10 AM	3.4	104	Su	08:37 AM	3.0	91
	03:23 PM	-0.2	-6		03:07 PM	0.3	9		03:46 PM	-0.1	-3		03:07 PM	-0.1	-3
	09:20 PM	3.3	101		09:02 PM	2.8	85		09:34 PM	2.8	85		08:58 PM	2.6	79
9	03:28 AM	-0.2	-6	24	03:04 AM	0.1	3	9	03:34 AM	0.0	0	24	03:01 AM	-0.2	-6
Th	09:45 AM	3.7	113	F	09:23 AM	3.3	101	Su	09:54 AM	3.3	101	M	09:21 AM	3.3	101
	04:14 PM	-0.1	-3		03:45 PM	0.2	6		04:32 PM	0.1	3		03:52 PM	-0.1	-3
	10:09 PM	3.2	98		09:40 PM	2.8	85		10:20 PM	2.6	79		09:44 PM	2.6	79
10	04:14 AM	-0.1	-3	25	03:41 AM	0.1	3	10	04:18 AM	0.1	3	25	03:49 AM	-0.2	-6
F	10:32 AM	3.6	110	Sa	10:00 AM	3.3	101	M	10:38 AM	3.1	94	Tu	10:08 AM	3.2	98
	05:05 PM	0.0	0		04:26 PM	0.2	6		05:19 PM	0.2	6		04:41 PM	-0.1	-3
	10:56 PM	3.1	94		10:19 PM	2.7	82		11:07 PM	2.5	76		10:34 PM	2.6	79
11	05:00 AM	0.0	0	26	04:21 AM	0.1	3	11	05:03 AM	0.3	9	26	04:41 AM	-0.1	-3
Sa	11:19 AM	3.5	107	Su	10:39 AM	3.3	101	Tu	11:23 AM	3.0	91	W	10:58 AM	3.1	94
	05:55 PM	0.1	3		05:08 PM	0.2	6		06:06 PM	0.3	9		05:32 PM	-0.1	-3
	11:45 PM	2.9	88		11:01 PM	2.7	82		11:56 PM	2.4	73		11:29 PM	2.5	76
12	05:47 AM	0.2	6	27	05:05 AM	0.2	6	12	05:52 AM	0.4	12	27	05:39 AM	0.0	0
Su	12:07 PM	3.3	101	M	11:22 AM	3.3	101	W	12:10 PM	2.8	85	Th	11:52 AM	3.0	91
	06:47 PM	0.3	9		05:55 PM	0.3	9		06:54 PM	0.4	12		06:27 PM	-0.1	-3
					11:47 PM	2.6	79								
13	12:35 AM	2.7	82	28	05:53 AM	0.2	6	13	12:48 AM	2.3	70	28	12:29 AM	2.5	76
M	06:36 AM	0.4	12	Tu	12:11 PM	3.2	98	Th	06:45 AM	0.5	15	F	06:43 AM	0.1	3
	12:57 PM	3.1	94		06:46 PM	0.3	9		07:01 PM	2.6	79		12:52 PM	2.9	88
	07:41 PM	0.5	15						07:43 PM	0.5	15		07:26 PM	-0.1	-3
14	01:29 AM	2.6	79	29	12:39 AM	2.6	79	14	01:44 AM	2.3	70	29	01:35 AM	2.6	79
Tu	07:29 AM	0.5	15	W	06:48 AM	0.3	9	F	07:43 AM	0.6	18	Sa	07:53 AM	0.2	6
	01:51 PM	2.9	88		01:05 PM	3.1	94		01:56 PM	2.5	76		01:56 PM	2.7	82
	08:38 PM	0.6	18		07:43 PM	0.3	9		08:33 PM	0.5	15		08:27 PM	-0.1	-3
15	02:27 AM	2.5	76	30	01:39 AM	2.6	79	15	02:42 AM	2.4	73	30	02:44 AM	2.7	82
W	08:27 AM	0.7	21	Th	07:51 AM	0.4	12	Sa	08:45 AM	0.6	18	Su	09:05 AM	0.2	6
	02:50 PM	2.8	85		02:06 PM	3.0	91		02:52 PM	2.4	73		03:03 PM	2.6	79
	09:36 PM	0.7	21		08:45 PM	0.3	9		09:21 PM	0.5	15		09:27 PM	-0.1	-3
				31	02:46 AM	2.6	79								
				F	09:01 AM	0.4	12								
					03:13 PM	3.0	91								
					09:49 PM	0.2	6								

Disclaimer: These data are based upon the latest information available as of the date of your request, and may differ from the published tide tables.