



NOAA Tide Predictions

Great Machipongo Inlet (inside), Virginia, 2011

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.



Great Machipongo Inlet (inside), Virginia, 2011

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

Times and Heights of High and Low Waters

| January | | | | | February | | | | | March | | | | | | | | | | | | | | | | | | | | | |
|-----------------|--|----------------------------|-------------------------|--|-----------------|--|----------------------------|--------------------------|--|-----------------|--|----------------------------|-------------------------|--|-----------------|--|----------------------------|--------------------------|--|-----------------|--|--|--------------------------|-----------------------|-----------------|--|----------------------------|--------------------------|--|--|--|
| 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 Sa | 05:51 AM 12:16 PM 06:02 PM | 4.5 0.0 3.1 | 137 0 94 | | 16 Su | 05:21 AM 11:37 AM 05:33 PM 11:30 PM | 4.2 0.5 3.1 -0.2 | 128 15 94 -6 | | 1 Tu | 07:17 AM 01:38 PM 07:24 PM | 4.2 -0.1 3.2 | 128 -3 98 | | 16 W | 12:00 AM 06:36 AM 12:51 PM 06:51 PM | -0.6 4.8 -0.3 3.9 | -18 146 -9 119 | | 1 Tu | 06:14 AM 12:32 PM 06:22 PM | 3.9 0.3 3.2 | 119 9 98 | | 16 W | 06:15 AM 12:27 PM 06:35 PM | 4.5 0.1 3.9 | 137 3 119 | | | |
| 2 Su | 12:02 AM 06:43 AM 01:09 PM 06:54 PM | -0.6 4.6 -0.2 3.2 | -18 140 -6 98 | | 17 M | 06:12 AM 12:30 PM 06:24 PM | 4.5 0.1 3.3 | 137 3 101 | | 2 W | 01:26 AM 07:59 AM 02:14 PM 08:07 PM | -0.6 4.3 -0.2 3.3 | -18 131 -6 101 | | 17 Th | 12:55 AM 07:26 AM 01:38 PM 07:43 PM | -0.9 5.0 -0.6 4.2 | -27 152 -18 128 | | 2 W | 12:25 AM 06:56 AM 01:10 PM 07:03 PM | -0.2 4.0 0.1 3.4 | -6 122 3 104 | | 17 Th | 12:40 AM 07:09 AM 01:20 PM 07:29 PM | -0.5 4.7 -0.3 4.4 | -15 143 -9 134 | | | |
| 3 M | 12:53 AM 07:31 AM 01:55 PM 07:42 PM | -0.6 4.6 -0.2 3.2 | -18 140 -6 98 | | 18 Tu | 12:23 AM 07:01 AM 01:19 PM 07:15 PM | -0.5 4.8 -0.2 3.6 | -15 146 -6 110 | | 3 Th | 02:08 AM 08:37 AM 02:49 PM 08:48 PM | -0.6 4.3 -0.2 3.5 | -18 131 -6 107 | | 18 F | 01:48 AM 08:15 AM 02:24 PM 08:34 PM | -1.2 5.1 -0.9 4.5 | -37 155 -27 137 | | 3 Th | 01:09 AM 07:34 AM 01:43 PM 07:43 PM | -0.3 4.0 0.0 3.6 | -9 122 0 110 | | 18 F | 01:37 AM 08:01 AM 02:09 PM 08:21 PM | -0.8 4.8 -0.7 4.8 | -24 146 -21 146 | | | |
| 4 Tu | 01:41 AM 08:16 AM 02:37 PM 08:27 PM | -0.7 4.6 -0.3 3.3 | -21 140 -9 101 | | 19 W | 01:14 AM 07:50 AM 02:05 PM 08:05 PM | -0.8 5.0 -0.5 3.8 | -24 152 -15 116 | | 4 F | 02:48 AM 09:15 AM 02:32 PM 09:28 PM | -0.6 4.2 -0.2 3.6 | -18 128 -6 110 | | 19 Sa | 02:39 AM 09:04 AM 03:10 PM 09:25 PM | -1.3 5.0 -1.1 4.8 | -40 152 -34 146 | | 4 F | 01:49 AM 08:10 AM 02:15 PM 08:21 PM | -0.4 4.1 0.0 3.8 | -12 125 0 116 | | 19 Sa | 02:32 AM 08:51 AM 02:56 PM 09:13 PM | -1.1 4.9 -0.9 5.1 | -34 149 -27 155 | | | |
| 5 W | 02:25 AM 09:00 AM 03:16 PM 09:12 PM | -0.7 4.5 -0.3 3.3 | -21 137 -9 101 | | 20 Th | 02:04 AM 08:38 AM 02:51 PM 08:55 PM | -1.0 5.2 -0.7 4.0 | -30 158 -21 122 | | 5 Sa | 03:27 AM 09:52 AM 03:56 PM 10:07 PM | -0.4 4.1 -0.1 3.7 | -12 125 -3 113 | | 20 Su | 03:31 AM 09:52 AM 03:56 PM 10:15 PM | -1.3 4.8 -1.1 4.8 | -40 146 -34 146 | | 5 Sa | 02:26 AM 08:46 AM 02:47 PM 08:59 PM | -0.4 4.0 -0.1 4.0 | -12 122 -3 122 | | 20 Su | 03:25 AM 09:41 AM 03:42 PM 10:04 PM | -1.3 4.8 -1.1 5.3 | -40 146 -34 162 | | | |
| 6 Th | 03:08 AM 09:41 AM 03:55 PM 09:54 PM | -0.6 4.4 -0.2 3.4 | -18 134 -6 104 | | 21 F | 02:54 AM 09:25 AM 03:37 PM 09:45 PM | -1.1 5.1 -0.8 4.2 | -34 155 -24 128 | | 6 Su | 04:06 AM 10:29 AM 04:31 PM 10:46 PM | -0.3 3.9 0.0 3.7 | -9 119 0 113 | | 21 M | 04:25 AM 10:40 AM 04:44 PM 11:07 PM | -1.1 4.5 -1.0 4.8 | -34 137 -30 146 | | 6 Su | 03:04 AM 09:23 AM 03:20 PM 09:37 PM | -0.3 4.0 0.0 4.1 | -9 122 0 125 | | 21 M | 04:17 AM 10:30 AM 04:29 PM 10:54 PM | -1.2 4.6 -1.0 5.3 | -37 140 -30 162 | | | |
| 7 F | 03:50 AM 10:21 AM 04:33 PM 10:37 PM | -0.4 4.3 -0.1 3.4 | -12 131 -3 104 | | 22 Sa | 03:45 AM 10:13 AM 04:23 PM 10:36 PM | -1.1 5.0 -0.9 4.3 | -34 152 -27 131 | | 7 M | 04:47 AM 11:06 AM 05:08 PM 11:26 PM | 0.0 3.7 0.1 3.7 | 0 113 3 113 | | 22 Tu | 05:20 AM 11:29 AM 05:34 PM | -0.8 -0.8 -0.8 | -24 122 -24 | | 7 M | 03:42 AM 09:59 AM 03:54 PM 10:15 PM | -0.2 3.8 0.1 4.1 | -6 116 3 125 | | 22 Tu | 05:10 AM 11:19 AM 05:17 PM 11:46 PM | -1.0 4.3 -0.9 5.2 | -30 131 -27 158 | | | |
| 8 Sa | 04:33 AM 11:09 AM 05:12 PM 11:19 PM | -0.2 4.0 0.1 3.4 | -6 122 3 104 | | 23 Su | 04:39 AM 11:01 AM 05:11 PM 11:27 PM | -1.0 4.6 -0.8 4.3 | -30 140 -24 131 | | 8 Tu | 05:31 AM 11:44 AM 05:46 PM | 0.2 3.4 0.2 | 6 104 6 | | 23 W | 12:00 AM 06:19 AM 12:21 PM 06:28 PM | 4.6 -0.4 3.6 -0.5 | 140 -12 110 -15 | | 8 Tu | 04:21 AM 10:35 AM 04:29 PM 10:54 PM | 0.0 3.7 0.2 4.1 | 0 113 6 125 | | 23 W | 06:04 AM 12:09 PM 06:09 PM | -0.7 3.9 -0.6 | -21 119 -18 | | | |
| 9 Su | 05:18 AM 11:39 AM 05:51 PM | 0.1 3.8 0.2 | 3 116 6 | | 24 M | 05:35 AM 11:50 AM 06:02 PM | -0.7 4.2 -0.7 | -21 128 -21 | | 9 W | 12:08 AM 06:17 AM 12:24 PM 06:28 PM | 3.6 0.5 3.2 0.4 | 110 15 98 12 | | 24 Th | 12:57 AM 07:21 AM 01:17 PM 07:26 PM | 4.3 -0.1 3.2 -0.3 | 131 -3 98 -9 | | 9 W | 05:02 AM 11:13 AM 05:07 PM 11:34 PM | 0.3 3.5 0.3 4.0 | 9 107 9 122 | | 24 Th | 12:38 AM 07:02 AM 01:01 PM 07:04 PM | 4.9 -0.3 3.6 -0.3 | 149 -9 110 -9 | | | |
| 10 M | 12:02 AM 06:05 AM 12:20 PM 06:32 PM | 3.4 0.4 3.5 0.3 | 104 12 107 9 | | 25 Tu | 12:22 AM 06:35 AM 12:42 PM 06:55 PM | 4.3 -0.4 3.8 -0.6 | 131 -12 116 -18 | | 10 Th | 12:55 AM 07:08 AM 01:09 PM 07:15 PM | 3.6 0.7 3.0 0.4 | 110 21 91 12 | | 25 F | 02:00 AM 08:27 AM 02:20 PM 08:27 PM | 4.1 0.2 2.9 -0.1 | 125 6 88 -3 | | 10 Th | 05:47 AM 11:52 AM 05:49 PM | 0.5 3.3 0.5 | 15 101 15 | | 25 F | 01:34 AM 08:02 AM 01:56 PM 08:02 PM | 4.5 0.1 3.2 0.0 | 137 3 98 0 | | | |
| 11 Tu | 12:48 AM 06:55 AM 01:04 PM 07:15 PM | 3.4 0.6 3.2 0.4 | 104 18 98 12 | | 26 W | 01:20 AM 07:39 AM 01:38 PM 07:50 PM | 4.2 -0.1 3.3 -0.4 | 128 -3 101 -12 | | 11 F | 01:47 AM 08:03 AM 02:02 PM 08:07 PM | 3.6 0.8 2.9 0.4 | 110 24 88 12 | | 26 Sa | 03:11 AM 09:36 AM 03:29 PM 09:31 PM | 3.9 0.4 2.8 2.0 | 119 12 85 0 | | 11 F | 12:19 AM 06:37 AM 12:36 PM 06:38 PM | 3.9 0.7 3.1 0.5 | 119 21 94 15 | | 26 Sa | 02:35 AM 09:05 AM 02:59 PM 09:05 PM | 4.1 0.4 3.0 0.2 | 125 12 91 6 | | | |
| 12 W | 01:39 AM 07:48 AM 01:53 PM 08:00 PM | 3.4 0.8 3.0 0.4 | 104 24 91 12 | | 27 Th | 02:24 AM 08:45 AM 02:41 PM 08:48 PM | 4.1 0.1 3.0 -0.3 | 125 3 91 -9 | | 12 Sa | 02:47 AM 09:03 AM 03:02 PM 09:03 PM | 3.7 0.8 2.8 0.3 | 113 24 85 9 | | 27 Su | 04:23 AM 10:45 AM 04:37 PM 10:35 PM | 3.8 0.4 2.8 2.0 | 116 12 85 0 | | 12 Sa | 01:10 AM 07:32 AM 01:28 PM 07:33 PM | 3.9 0.8 3.0 0.5 | 119 24 91 15 | | 27 Su | 03:43 AM 10:10 AM 04:08 PM 10:09 PM | 3.9 0.6 2.9 0.4 | 119 18 88 12 | | | |
| 13 Th | 02:34 AM 08:44 AM 02:47 PM 08:49 PM | 3.5 0.8 2.9 2.9 | 107 24 88 12 | | 28 F | 03:33 AM 09:54 AM 03:47 PM 09:49 PM | 4.0 0.2 2.8 -0.3 | 122 6 85 -9 | | 13 Su | 03:49 AM 10:04 AM 04:04 PM 10:03 PM | 3.9 0.7 2.9 0.1 | 119 21 88 3 | | 28 M | 05:25 AM 11:45 AM 05:34 PM 11:34 PM | 3.9 0.4 3.0 -0.1 | 119 12 91 -3 | | 13 Su | 03:09 AM 09:31 AM 03:29 PM 09:33 PM | 3.9 0.8 3.0 0.4 | 119 24 91 12 | | 28 M | 04:53 AM 11:13 AM 05:16 PM 11:14 PM | 3.7 0.6 3.0 0.4 | 113 18 91 12 | | | |
| 14 F | 03:31 AM 09:42 AM 03:44 PM 09:42 PM | 3.6 0.8 2.9 0.9 | 110 24 88 9 | | 29 Sa | 04:40 AM 11:03 AM 04:52 PM 10:51 PM | 4.0 0.2 2.8 -0.3 | 122 6 85 -9 | | 14 M | 04:49 AM 11:04 AM 05:03 PM 11:03 PM | 4.2 0.5 3.2 -0.2 | 128 15 98 -6 | | 14 M | 04:14 AM 10:31 AM 04:35 PM 10:36 PM | 4.0 0.7 3.2 0.2 | 122 21 98 6 | | 14 M | 05:55 AM 12:09 PM 06:11 PM | 3.7 0.6 3.2 | 113 18 98 | | | | | | | | |
| 15 Sa | 04:28 AM 10:40 AM 04:40 PM 10:36 PM | 3.9 0.7 3.0 0.1 | 119 21 91 3 | | 30 Su | 05:40 AM 12:05 PM 05:49 PM 11:49 PM | 4.1 0.1 2.9 -0.4 | 125 3 88 -12 | | 15 Tu | 05:44 AM 12:00 PM 05:59 PM | 4.5 0.1 3.5 | 137 3 107 | | 15 Tu | 05:17 AM 11:31 AM 05:37 PM 11:39 PM | 4.2 0.5 3.5 -0.1 | 128 15 107 -3 | | 15 Tu | 12:13 AM 06:43 AM 12:53 PM 06:56 PM | 0.3 3.7 0.5 3.5 | 9 113 15 107 | | | | | | | | |
| | | | | | 31 M | 06:32 AM 12:56 PM 06:39 PM | 4.2 0.0 3.0 | 128 0 91 | | | | | | | | | | | | | 31 Th | 01:03 AM 07:24 AM 01:30 PM 07:36 PM | 0.2 3.8 0.4 3.8 | 6 116 12 116 | | | | | | | |

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.
 Referenced to Station: OCEAN CITY (FISHING PIER) (8570280) Height offset in feet (low:*1.25 high: * 1.16) Time offset in mins (low:56 high: 65)



Great Machipongo Inlet (inside),Virginia,2011

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 F | 03:11 AM 0.2 6 09:09 AM 3.7 113 03:02 PM -0.1 -3 09:37 PM 5.2 158 | 16 Sa | 03:58 AM -0.1 -3 09:55 AM 3.7 113 03:51 PM -0.3 -9 10:22 PM 4.8 146 | 1 | 04:11 AM -0.3 -9 10:21 AM 4.6 140 04:20 PM -0.5 -15 10:46 PM 5.3 162 | 16 Tu | 04:40 AM 0.2 6 10:52 AM 4.2 128 04:53 PM 0.2 6 11:12 PM 4.3 131 | 1 | 05:14 AM -0.5 -15 11:39 AM 5.4 165 05:52 PM -0.2 -6 | 16 F | 05:12 AM 0.6 18 11:40 AM 4.6 140 05:48 PM 0.8 24 11:56 PM 3.8 116 | 2 Sa | 03:54 AM 0.0 0 09:56 AM 3.9 119 03:48 PM -0.2 -6 10:23 PM 5.2 158 | 17 Su | 04:38 AM 0.0 0 10:40 AM 3.8 116 04:36 PM -0.1 -3 11:04 PM 4.6 140 | 2 Tu | 04:56 AM -0.4 -12 11:11 AM 4.8 146 05:12 PM -0.4 -12 11:33 PM 5.0 152 | 17 W | 05:15 AM 0.3 9 11:32 AM 4.2 128 05:35 PM 0.5 15 11:50 PM 4.1 125 | 2 F | 12:00 AM 4.6 140 06:04 AM -0.3 -9 12:32 PM 5.3 162 06:50 PM 0.1 3 | 17 Sa | 05:50 AM 0.8 24 12:21 PM 4.5 137 06:33 PM 1.1 34 | 3 Su | 04:38 AM -0.1 -3 10:43 AM 4.0 122 04:36 PM -0.2 -6 11:08 PM 5.2 158 | 18 M | 05:17 AM 0.1 3 11:24 AM 3.8 116 05:21 PM 0.1 3 11:44 PM 4.4 134 | 3 W | 05:42 AM -0.4 -12 12:01 PM 4.9 149 06:07 PM -0.2 -6 | 18 Th | 05:51 AM 0.5 15 12:13 PM 4.2 128 06:19 PM 0.7 21 | 3 Sa | 12:52 AM 4.2 128 06:57 AM -0.1 -3 01:28 PM 5.1 155 07:53 PM 0.4 12 | 18 Su | 12:36 AM 3.7 113 06:31 AM 1.0 30 01:05 PM 4.4 134 07:23 PM 1.3 40 | 4 M | 05:23 AM -0.1 -3 11:32 AM 4.1 125 05:27 PM -0.1 -3 11:54 PM 5.0 152 | 19 Tu | 05:56 AM 0.2 6 12:07 PM 3.9 119 06:06 PM 0.4 12 | 4 Th | 12:21 AM 4.7 143 06:31 AM -0.3 -9 12:53 PM 4.9 149 07:06 PM 0.1 3 | 19 F | 12:29 AM 3.9 119 06:30 AM 0.7 21 12:55 PM 4.2 128 07:06 PM 1.0 30 | 4 Su | 01:47 AM 3.8 116 07:54 AM 0.1 3 02:30 PM 4.8 146 08:58 PM 0.6 18 | 19 M | 01:20 AM 3.5 107 07:19 AM 1.1 34 01:54 PM 4.3 131 08:16 PM 1.4 43 | 5 Tu | 06:09 AM -0.2 -6 12:21 PM 4.3 131 06:22 PM 0.0 0 | 20 W | 12:24 AM 4.1 125 06:35 AM 0.4 12 12:50 PM 3.9 119 06:54 PM 0.7 21 | 5 F | 01:11 AM 4.3 131 07:22 AM -0.2 -6 01:49 PM 4.8 146 08:08 PM 0.3 9 | 20 Sa | 01:09 AM 3.6 110 07:12 AM 0.8 24 01:41 PM 4.1 125 07:56 PM 1.2 37 | 5 M | 02:49 AM 3.5 107 08:56 AM 0.3 9 03:38 PM 4.6 140 10:06 PM 0.8 24 | 20 Tu | 02:10 AM 3.4 104 08:12 AM 1.1 34 02:51 PM 4.3 131 09:13 PM 1.4 43 | 6 W | 12:42 AM 4.7 143 06:58 AM -0.2 -6 01:13 PM 4.3 131 07:20 PM 0.1 3 | 21 Th | 01:05 AM 3.8 116 07:16 AM 0.5 15 01:35 PM 3.8 116 07:43 PM 0.9 27 | 6 Sa | 02:06 AM 3.9 119 08:17 AM -0.1 -3 02:50 PM 4.7 143 09:12 PM 0.5 15 | 21 Su | 01:54 AM 3.4 104 07:58 AM 1.0 30 02:32 PM 4.1 125 08:50 PM 1.4 43 | 6 Tu | 03:59 AM 3.3 101 10:00 AM 0.4 12 04:49 PM 4.5 137 11:15 PM 0.8 24 | 21 W | 03:10 AM 3.4 104 09:11 AM 1.1 34 03:52 PM 4.4 134 10:11 PM 1.3 40 | 7 Th | 01:32 AM 4.4 134 07:48 AM -0.1 -3 02:09 PM 4.4 134 08:22 PM 0.3 9 | 22 F | 01:48 AM 3.6 110 07:58 AM 0.7 21 02:23 PM 3.8 116 08:35 PM 1.1 34 | 7 Su | 03:06 AM 3.5 107 09:14 AM 0.1 3 03:56 PM 4.6 140 10:20 PM 0.6 18 | 22 M | 02:46 AM 3.3 101 08:49 AM 1.0 30 03:30 PM 4.1 125 09:47 PM 1.4 43 | 7 W | 05:10 AM 3.4 104 11:05 AM 0.5 15 05:54 PM 4.5 137 | 22 Th | 04:14 AM 3.5 107 10:12 AM 0.9 27 04:53 PM 4.6 140 11:08 PM 1.1 34 | 8 F | 02:26 AM 4.0 122 08:41 AM -0.1 -3 03:10 PM 4.5 137 09:26 PM 0.4 12 | 23 Sa | 02:35 AM 3.3 101 08:42 AM 0.8 24 03:16 PM 3.9 119 09:30 PM 1.2 37 | 8 M | 04:12 AM 3.3 101 10:15 AM 0.1 3 05:04 PM 4.6 140 11:28 PM 0.6 18 | 23 Tu | 03:44 AM 3.2 98 09:43 AM 1.0 30 04:30 PM 4.3 131 10:46 PM 1.3 40 | 8 Th | 12:16 AM 0.8 24 06:11 AM 3.5 107 12:07 PM 0.4 12 06:48 PM 4.5 137 | 23 F | 05:15 AM 3.8 116 11:13 AM 0.7 21 05:49 PM 4.8 146 | 9 Sa | 03:26 AM 3.7 113 09:35 AM -0.1 -3 04:13 PM 4.6 140 10:32 PM 0.4 12 | 24 Su | 03:28 AM 3.2 98 09:30 AM 0.8 24 04:13 PM 4.0 122 10:26 PM 1.3 40 | 9 Tu | 05:19 AM 3.3 101 11:17 AM 0.1 3 06:07 PM 4.7 143 | 24 W | 04:46 AM 3.3 101 10:41 AM 0.8 24 05:28 PM 4.5 137 11:43 PM 1.1 34 | 9 F | 01:07 AM 0.6 18 07:02 AM 3.7 113 01:02 PM 0.3 9 07:32 PM 4.6 140 | 24 Sa | 12:02 AM 0.7 21 06:12 AM 4.2 128 12:13 PM 0.3 9 06:42 PM 5.0 152 | 10 Su | 04:29 AM 3.5 107 10:32 AM -0.1 -3 05:17 PM 4.7 143 11:39 PM 0.4 12 | 25 M | 04:25 AM 3.1 94 10:21 AM 0.8 24 05:09 PM 4.2 128 11:23 PM 1.2 37 | 10 W | 12:33 AM 0.5 15 06:21 AM 3.4 104 12:18 PM 0.1 3 07:02 PM 4.7 143 | 25 Th | 05:44 AM 3.5 107 11:39 AM 0.6 18 06:22 PM 4.8 146 | 10 Sa | 01:48 AM 0.5 15 07:46 AM 4.0 122 01:49 PM 0.2 6 08:11 PM 4.6 140 | 25 Su | 12:52 AM 0.3 9 07:04 AM 4.7 143 01:10 PM -0.1 -3 07:32 PM 5.2 158 | 11 M | 05:32 AM 3.4 104 11:31 AM -0.2 -6 06:17 PM 4.9 149 | 26 Tu | 05:21 AM 3.2 98 11:14 AM 0.7 21 06:02 PM 4.4 134 | 11 Th | 01:28 AM 0.4 12 07:15 AM 3.5 107 01:14 PM 0.0 0 07:51 PM 4.8 146 | 26 F | 12:37 AM 0.8 24 06:38 AM 3.9 119 12:36 PM 0.3 9 07:12 PM 5.1 155 | 11 Su | 02:23 AM 0.4 12 08:26 AM 4.2 128 02:31 PM 0.2 6 08:49 PM 4.5 137 | 26 M | 01:40 AM -0.1 -3 07:55 AM 5.2 158 02:04 PM -0.4 -12 08:21 PM 5.2 158 | 12 Tu | 12:43 AM 0.3 9 06:32 AM 3.4 104 12:30 PM -0.2 -6 07:13 PM 5.0 152 | 27 W | 12:19 AM 1.0 30 06:15 AM 3.3 101 12:08 PM 0.5 15 06:52 PM 4.7 143 | 12 F | 02:14 AM 0.3 9 08:04 AM 3.7 113 02:04 PM -0.1 -3 08:35 PM 4.8 146 | 27 Sa | 01:26 AM 0.3 9 09:04 AM 4.4 134 03:11 PM 0.2 6 09:26 PM 4.5 137 | 12 M | 02:56 AM 0.3 9 09:04 AM 4.4 134 03:11 PM 0.2 6 09:26 PM 4.5 137 | 27 Tu | 02:27 AM -0.4 -12 08:45 AM 5.5 168 02:57 PM -0.6 -18 09:10 PM 5.2 158 | 13 W | 01:41 AM 0.1 3 07:27 AM 3.4 104 01:26 PM -0.3 -9 08:04 PM 5.0 152 | 28 Th | 01:11 AM 0.7 21 07:06 AM 3.6 110 01:01 PM 0.2 6 07:40 PM 5.0 152 | 13 Sa | 02:54 AM 0.2 6 08:49 AM 3.9 119 02:49 PM -0.1 -3 09:16 PM 4.7 143 | 28 Su | 02:13 AM 0.1 3 08:19 AM 4.6 140 02:22 PM -0.4 -12 08:48 PM 5.4 165 | 13 Tu | 03:29 AM 0.3 9 09:43 AM 4.5 137 03:49 PM 0.3 9 10:03 PM 4.4 134 | 28 W | 03:13 AM -0.6 -18 09:36 AM 5.8 177 03:49 PM -0.6 -18 10:00 PM 5.0 152 | 14 Th | 02:31 AM 0.0 0 08:19 AM 3.5 107 02:17 PM -0.4 -12 08:53 PM 5.0 152 | 29 F | 01:59 AM 0.4 12 07:55 AM 3.8 116 01:52 PM -0.1 -3 08:27 PM 5.2 158 | 14 Su | 03:30 AM 0.1 3 09:31 AM 4.0 122 03:32 PM -0.1 -3 09:56 PM 4.7 143 | 29 M | 02:58 AM -0.2 -6 09:09 AM 5.0 152 03:13 PM -0.6 -18 09:35 PM 5.4 165 | 14 W | 04:02 AM 0.4 12 10:21 AM 4.6 140 04:27 PM 0.4 12 10:40 PM 4.2 128 | 29 Th | 04:00 AM -0.6 -18 10:27 AM 5.9 180 04:42 PM -0.5 -15 10:49 PM 4.7 143 | 15 F | 03:16 AM -0.1 -3 09:08 AM 3.6 110 03:06 PM -0.4 -12 09:39 PM 5.0 152 | 30 Sa | 02:44 AM 0.1 3 08:44 AM 4.1 125 02:41 PM -0.3 -9 09:14 PM 5.4 165 | 15 M | 04:05 AM 0.1 3 10:12 AM 4.1 125 04:12 PM 0.0 0 10:34 PM 4.5 137 | 30 Tu | 03:42 AM -0.5 -15 09:58 AM 5.2 158 04:05 PM -0.6 -18 10:23 PM 5.2 158 | 15 Th | 04:36 AM 0.5 15 11:00 AM 4.6 140 05:07 PM 0.6 18 11:18 PM 4.0 122 | 30 F | 04:48 AM -0.5 -15 11:19 AM 5.8 177 05:36 PM -0.2 -6 11:40 PM 4.4 134 | 31 Su | 03:27 AM -0.1 -3 09:32 AM 4.3 131 03:30 PM -0.4 -12 10:00 PM 5.4 165 | 31 W | 04:27 AM -0.5 -15 10:48 AM 5.4 165 04:57 PM -0.5 -15 11:11 PM 4.9 149 | | | | | |



Great Machipongo Inlet (inside), Virginia, 2011

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 | h | m | ft | cm | | | | |
| 1 | 05:39 AM | -0.3 | -9 | 16 | 05:17 AM | 0.8 | 24 | 1 | 01:09 AM | 3.6 | 110 | 16 | 05:25 AM | 0.7 | 21 | 1 | 12:40 AM | 3.4 | 104 | 16 | 12:01 AM | 3.7 | 113 |
| | 12:12 PM | 5.5 | 168 | | 11:52 AM | 4.7 | 143 | | 07:11 AM | 0.2 | 6 | | 11:58 AM | 4.6 | 140 | | 06:44 AM | 0.3 | 9 | | 06:02 AM | 0.2 | 6 |
| | 06:34 PM | 0.1 | 3 | | 06:07 PM | 1.0 | 30 | | 01:44 PM | 4.7 | 143 | | 06:22 PM | 0.8 | 24 | | 01:06 PM | 4.0 | 122 | | 12:24 PM | 4.3 | 131 |
| | | | | | | | | | 08:15 PM | 0.5 | 15 | | 07:33 PM | 4.0 | 12 | | 07:33 PM | 4.0 | 12 | | 06:44 PM | 0.1 | 3 |
| 2 | 12:33 AM | 4.0 | 122 | 17 | 12:08 AM | 3.6 | 110 | 2 | 02:09 AM | 3.5 | 107 | 17 | 12:21 AM | 3.5 | 107 | 2 | 01:37 AM | 3.3 | 101 | 17 | 12:55 AM | 3.8 | 116 |
| | 06:34 AM | 0.0 | 0 | | 05:59 AM | 0.9 | 27 | | 08:14 AM | 0.5 | 15 | | 06:20 AM | 0.7 | 21 | | 07:43 AM | 0.6 | 18 | | 07:02 AM | 0.3 | 9 |
| | 01:08 PM | 5.2 | 158 | | 12:36 PM | 4.6 | 140 | | 02:44 PM | 4.3 | 131 | | 12:48 PM | 4.5 | 137 | | 02:00 PM | 3.7 | 113 | | 01:16 PM | 4.1 | 125 |
| | 07:36 PM | 0.4 | 12 | | 06:56 PM | 1.1 | 34 | | 09:15 PM | 0.7 | 21 | | 07:14 PM | 0.7 | 21 | | 08:22 PM | 0.5 | 15 | | 07:35 PM | 0.0 | 0 |
| 3 | 01:29 AM | 3.7 | 113 | 18 | 12:53 AM | 3.5 | 107 | 3 | 03:15 AM | 3.4 | 104 | 18 | 01:18 AM | 3.6 | 110 | 3 | 02:38 AM | 3.4 | 104 | 18 | 01:54 AM | 3.9 | 119 |
| | 07:33 AM | 0.3 | 9 | | 06:48 AM | 1.0 | 30 | | 09:18 AM | 0.7 | 21 | | 07:21 AM | 0.7 | 21 | | 08:43 AM | 0.8 | 24 | | 08:04 AM | 0.3 | 9 |
| | 02:09 PM | 4.8 | 146 | | 01:23 PM | 4.5 | 137 | | 03:47 PM | 4.0 | 122 | | 01:44 PM | 4.3 | 131 | | 02:55 PM | 3.4 | 104 | | 02:14 PM | 3.8 | 116 |
| | 08:40 PM | 0.7 | 21 | | 07:48 PM | 1.2 | 37 | | 10:11 PM | 0.7 | 21 | | 08:06 PM | 0.5 | 15 | | 09:09 PM | 0.5 | 15 | | 08:28 PM | -0.1 | -3 |
| 4 | 02:32 AM | 3.5 | 107 | 19 | 01:43 AM | 3.4 | 104 | 4 | 04:23 AM | 3.5 | 107 | 19 | 02:19 AM | 3.8 | 116 | 4 | 03:36 AM | 3.5 | 107 | 19 | 02:57 AM | 4.2 | 128 |
| | 08:37 AM | 0.5 | 15 | | 07:43 AM | 1.1 | 34 | | 10:21 AM | 0.8 | 24 | | 08:24 AM | 0.6 | 18 | | 09:42 AM | 0.8 | 24 | | 09:09 AM | 0.2 | 6 |
| | 03:15 PM | 4.5 | 137 | | 02:17 PM | 4.5 | 137 | | 04:48 PM | 3.9 | 119 | | 02:44 PM | 4.2 | 128 | | 03:50 PM | 3.3 | 101 | | 03:15 PM | 3.6 | 110 |
| | 09:46 PM | 0.8 | 24 | | 08:43 PM | 1.2 | 37 | | 11:02 PM | 0.7 | 21 | | 09:00 PM | 0.3 | 9 | | 09:54 PM | 0.5 | 15 | | 09:24 PM | -0.3 | -9 |
| 5 | 03:42 AM | 3.4 | 104 | 20 | 02:42 AM | 3.5 | 107 | 5 | 05:22 AM | 3.7 | 113 | 20 | 03:22 AM | 4.2 | 128 | 5 | 04:29 AM | 3.7 | 113 | 20 | 04:00 AM | 4.5 | 137 |
| | 09:43 AM | 0.7 | 21 | | 08:43 AM | 1.0 | 30 | | 11:22 AM | 0.8 | 24 | | 09:28 AM | 0.5 | 15 | | 10:39 AM | 0.8 | 24 | | 10:15 AM | 0.1 | 3 |
| | 04:26 PM | 4.3 | 131 | | 03:16 PM | 4.4 | 134 | | 05:40 PM | 3.8 | 116 | | 03:44 PM | 4.2 | 128 | | 04:40 PM | 3.2 | 98 | | 04:17 PM | 3.5 | 107 |
| | 10:50 PM | 0.9 | 27 | | 09:38 PM | 1.0 | 30 | | 11:47 PM | 0.7 | 21 | | 09:53 PM | 0.1 | 3 | | 10:39 PM | 0.5 | 15 | | 10:20 PM | -0.5 | -15 |
| 6 | 04:54 AM | 3.5 | 107 | 21 | 03:46 AM | 3.7 | 113 | 6 | 05:10 AM | 3.9 | 119 | 21 | 04:22 AM | 4.6 | 140 | 6 | 05:15 AM | 4.0 | 122 | 21 | 05:00 AM | 4.8 | 146 |
| | 10:48 AM | 0.7 | 21 | | 09:46 AM | 0.9 | 27 | | 11:17 AM | 0.8 | 24 | | 10:32 AM | 0.2 | 6 | | 11:31 AM | 0.7 | 21 | | 11:20 AM | -0.1 | -3 |
| | 05:29 PM | 4.3 | 131 | | 04:17 PM | 4.5 | 137 | | 05:25 PM | 3.8 | 116 | | 04:43 PM | 4.2 | 128 | | 05:26 PM | 3.2 | 98 | | 05:17 PM | 3.5 | 107 |
| | 11:46 PM | 0.8 | 24 | | 10:33 PM | 0.8 | 24 | | 11:27 PM | 0.6 | 18 | | 10:47 PM | -0.2 | -6 | | 11:23 PM | 0.4 | 12 | | 11:18 PM | -0.7 | -21 |
| 7 | 05:54 AM | 3.7 | 113 | 22 | 04:48 AM | 4.0 | 122 | 7 | 05:51 AM | 4.2 | 128 | 22 | 05:19 AM | 5.0 | 152 | 7 | 05:59 AM | 4.2 | 128 | 22 | 05:57 AM | 5.0 | 152 |
| | 11:50 AM | 0.7 | 21 | | 10:49 AM | 0.6 | 18 | | 12:04 PM | 0.7 | 21 | | 11:34 AM | -0.1 | -3 | | 12:18 PM | 0.6 | 18 | | 12:21 PM | -0.3 | -9 |
| | 06:21 PM | 4.2 | 128 | | 05:16 PM | 4.6 | 140 | | 06:05 PM | 3.8 | 116 | | 05:38 PM | 4.2 | 128 | | 06:10 PM | 3.3 | 101 | | 06:13 PM | 3.5 | 107 |
| | | | | | 11:27 PM | 0.5 | 15 | | | | | | 11:41 PM | -0.5 | -15 | | | | | | | | |
| 8 | 12:33 AM | 0.7 | 21 | 23 | 05:46 AM | 4.5 | 137 | 8 | 12:05 AM | 0.5 | 15 | 23 | 06:13 AM | 5.4 | 165 | 8 | 12:06 AM | 4.3 | 9 | 23 | 12:14 AM | -0.9 | -27 |
| | 06:41 AM | 3.9 | 119 | | 11:51 AM | 0.3 | 9 | | 06:30 AM | 4.4 | 134 | | 12:33 PM | -0.3 | -9 | | 06:41 AM | 4.4 | 134 | | 06:52 AM | 5.2 | 158 |
| | 12:44 PM | 0.6 | 18 | | 06:11 PM | 4.7 | 143 | | 12:46 PM | 0.6 | 18 | | 06:32 PM | 4.1 | 125 | | 01:00 PM | 0.5 | 15 | | 01:17 PM | -0.5 | -15 |
| | 07:03 PM | 4.2 | 128 | | | | | | 06:44 PM | 3.8 | 116 | | | | | | 06:53 PM | 3.4 | 104 | | 07:08 PM | 3.6 | 110 |
| 9 | 01:12 AM | 0.6 | 18 | 24 | 12:19 AM | 0.1 | 3 | 9 | 12:42 AM | 0.4 | 12 | 24 | 12:33 AM | -0.8 | -24 | 9 | 12:47 AM | 0.1 | 3 | 24 | 01:08 AM | -1.0 | -30 |
| | 07:21 AM | 4.2 | 128 | | 06:40 AM | 5.0 | 152 | | 07:08 AM | 4.6 | 140 | | 07:06 AM | 5.6 | 171 | | 07:22 AM | 4.6 | 140 | | 07:45 AM | 5.2 | 158 |
| | 01:30 PM | 0.5 | 15 | | 12:51 PM | -0.1 | -3 | | 01:25 PM | 0.5 | 15 | | 01:28 PM | -0.5 | -15 | | 01:40 PM | 0.4 | 12 | | 02:08 PM | -0.6 | -18 |
| | 07:41 PM | 4.2 | 128 | | 07:04 PM | 4.8 | 146 | | 07:23 PM | 3.8 | 116 | | 07:25 PM | 4.1 | 125 | | 07:35 PM | 3.4 | 104 | | 08:01 PM | 3.6 | 110 |
| 10 | 01:46 AM | 0.5 | 15 | 25 | 01:09 AM | -0.3 | -9 | 10 | 01:19 AM | 0.3 | 9 | 25 | 01:25 AM | -0.9 | -27 | 10 | 01:28 AM | 0.0 | 0 | 25 | 02:00 AM | -1.1 | -34 |
| | 06:41 AM | 4.4 | 134 | | 07:33 AM | 5.4 | 165 | | 07:47 AM | 4.8 | 146 | | 07:59 AM | 5.7 | 174 | | 08:04 AM | 4.7 | 143 | | 08:36 AM | 5.2 | 158 |
| | 02:11 PM | 0.4 | 12 | | 01:48 PM | -0.4 | -12 | | 02:03 PM | 0.4 | 12 | | 02:21 PM | -0.6 | -18 | | 02:20 PM | 0.3 | 9 | | 02:57 PM | -0.6 | -18 |
| | 08:18 PM | 4.2 | 128 | | 07:55 PM | 4.8 | 146 | | 08:03 PM | 3.8 | 116 | | 08:18 PM | 4.0 | 122 | | 08:17 PM | 3.5 | 107 | | 08:52 PM | 3.6 | 110 |
| 11 | 02:20 AM | 0.4 | 12 | 26 | 01:58 AM | -0.6 | -18 | 11 | 01:56 AM | 0.3 | 9 | 26 | 02:15 AM | -0.9 | -27 | 11 | 02:09 AM | 0.0 | 0 | 26 | 02:49 AM | -1.0 | -30 |
| | 08:36 AM | 4.6 | 140 | | 08:24 AM | 5.8 | 177 | | 08:27 AM | 4.8 | 146 | | 08:51 AM | 5.7 | 174 | | 08:45 AM | 4.8 | 146 | | 09:25 AM | 5.0 | 152 |
| | 02:49 PM | 0.4 | 12 | | 02:42 PM | -0.6 | -18 | | 02:42 PM | 0.4 | 12 | | 03:12 PM | -0.6 | -18 | | 03:00 PM | 0.2 | 6 | | 03:43 PM | -0.6 | -18 |
| | 08:54 PM | 4.2 | 128 | | 08:46 PM | 4.7 | 143 | | 08:43 PM | 3.7 | 113 | | 09:10 PM | 3.9 | 119 | | 09:00 PM | 3.5 | 107 | | 09:42 PM | 3.6 | 110 |
| 12 | 02:53 AM | 0.4 | 12 | 27 | 02:47 AM | -0.7 | -21 | 12 | 02:33 AM | 0.3 | 9 | 27 | 03:06 AM | -0.9 | -27 | 12 | 02:50 AM | -0.1 | -3 | 27 | 03:38 AM | -0.8 | -24 |
| | 09:14 AM | 4.8 | 146 | | 09:16 AM | 5.9 | 180 | | 09:07 AM | 4.9 | 149 | | 09:43 AM | 5.5 | 168 | | 09:27 AM | 4.8 | 146 | | 10:12 AM | 4.8 | 146 |
| | 03:26 PM | 0.4 | 12 | | 03:34 PM | -0.6 | -18 | | 03:21 PM | 0.5 | 15 | | 04:03 PM | -0.4 | -12 | | 03:41 PM | 0.2 | 6 | | 04:29 PM | -0.4 | -12 |
| | 09:32 PM | 4.1 | 125 | | 09:37 PM | 4.6 | 140 | | 09:23 PM | 3.7 | 113 | | 10:02 PM | 3.8 | 116 | | 09:43 PM | 3.5 | 107 | | 10:30 PM | 3.6 | 110 |
| 13 | 03:27 AM | 0.4 | 12 | 28 | 03:35 AM | -0.8 | -24 | 13 | 03:11 AM | 0.4 | 12 | 28 | 03:57 AM | -0.6 | -18 | 13 | 03:32 AM | 0.0 | 0 | 28 | 04:28 AM | -0.6 | -18 |
| | 09:52 AM | 4.8 | 146 | | 10:08 AM | 5.9 | 180 | | 09:48 AM | 4.9 | 149 | | 10:34 AM | 5.2 | 158 | | 10:09 AM | 4.8 | 146 | | 10:57 AM | 4.5 | 137 |
| | 04:03 PM | 0.5 | 15 | | 04:27 PM | -0.5 | -15 | | 04:02 PM | 0.6 | 18 | | 04:55 PM | -0.2 | -6 | | 04:24 PM | 0.2 | 6 | | 05:15 PM | -0.3 | -9 |
| | 10:10 PM | 4.0 | 122 | | 10:29 PM | 4.4 | 134 | | 10:04 PM | 3.6 | 110 | | 10:53 PM | 3.7 | 113 | | 10:26 PM | 3.6 | 110 | | 11:18 PM | 3.5 | 107 |
| 14 | 04:02 AM | 0.5 | 15 | 29 | 04:25 AM | -0.7 | -21 | 14 | 03:52 AM | 0.4 | 12 | 29 | 04:50 AM | -0.3 | -9 | 14 | 04:17 AM | 0.0 | 0 | 29 | 05:18 AM | -0.2 | -6 |
| | 10:31 AM | 4.8 | 146 | | 11:00 AM | 5.8 | 177 | | 10:29 AM | 4.8 | 146 | | 11:24 AM | 4.8 | 146 | | 10:52 AM | 4.7 | 143 | | 11:41 AM | 4.1 | 125 |
| | 04:42 PM | 0.6 | 18 | | 05:20 PM | -0.3 | -9 | | 04:45 PM | 0.7 | 21 | | 05:48 PM | 0.0 | 0 | | 05:08 PM</ | | | | | | |