



## NOAA Tide Predictions

### NORTH JETTY, WA,2021

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.





**NORTH JETTY, WA,2021**

**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																																																																															
<b>1</b> 03:34 AM 8.7 265 10:12 AM -0.6 -18 Th 04:50 PM 6.5 198 10:03 PM 2.2 67	<b>16</b> 03:11 AM 7.6 232 09:59 AM 0.3 9 F 04:53 PM 5.8 177 09:43 PM 3.3 101	<b>1</b> 03:54 AM 8.3 253 10:54 AM -0.7 -21 Sa 05:50 PM 6.3 192 10:48 PM 3.3 101	<b>16</b> 03:14 AM 7.5 229 10:16 AM 0.0 0 Su 05:28 PM 5.7 174 10:10 PM 3.8 116	<b>1</b> 05:37 AM 6.7 204 12:24 PM 0.2 6 Tu 07:24 PM 6.5 198	<b>16</b> 04:36 AM 6.8 207 11:22 AM 0.0 0 W 06:28 PM 6.2 189 11:51 PM 3.0 91	<b>2</b> 04:17 AM 8.5 259 11:07 AM -0.3 -9 F 05:54 PM 6.1 186 10:54 PM 3.0 91	<b>17</b> 03:41 AM 7.5 229 10:37 AM 0.6 18 Sa 05:45 PM 5.5 168 10:23 PM 3.7 113	<b>2</b> 04:48 AM 7.7 235 11:54 AM -0.2 -6 Su 06:54 PM 6.1 186 11:56 PM 3.6 110	<b>17</b> 03:56 AM 7.2 219 11:00 AM 0.2 6 M 06:18 PM 5.7 174 11:03 PM 3.9 119	<b>2</b> 12:54 AM 3.0 91 06:47 AM 6.0 183 W 01:20 PM 0.7 21 08:17 PM 6.7 204	<b>17</b> 05:39 AM 6.2 189 12:11 PM 0.3 9 Th 07:14 PM 6.5 198	<b>3</b> 05:07 AM 8.0 244 12:12 PM 0.2 6 Sa 07:07 PM 5.7 174	<b>18</b> 04:20 AM 7.2 219 11:25 AM 0.8 24 Su 06:46 PM 5.3 162 11:15 PM 4.0 122	<b>3</b> 05:53 AM 7.0 213 01:00 PM 0.3 9 M 08:00 PM 6.2 189	<b>18</b> 04:48 AM 6.8 207 11:52 AM 0.4 12 Tu 07:12 PM 5.7 174	<b>3</b> 02:05 AM 2.6 79 08:01 AM 5.5 168 Th 02:14 PM 1.1 34 09:06 PM 6.9 210	<b>18</b> 01:01 AM 2.5 76 06:54 AM 5.7 174 F 01:06 PM 0.8 24 08:02 PM 6.9 210	<b>4</b> 12:00 AM 3.6 110 06:09 AM 7.4 226 Su 01:27 PM 0.5 15 08:23 PM 5.7 174	<b>19</b> 05:10 AM 6.9 210 12:28 PM 1.0 30 M 07:52 PM 5.3 162	<b>4</b> 01:14 AM 3.5 107 07:09 AM 6.4 195 Tu 02:06 PM 0.6 18 09:01 PM 6.4 195	<b>19</b> 12:10 AM 3.8 116 05:54 AM 6.4 195 W 12:53 PM 0.6 18 08:06 PM 5.9 180	<b>4</b> 03:11 AM 1.9 58 09:14 AM 5.4 165 F 03:05 PM 1.5 46 09:50 PM 7.1 216	<b>19</b> 02:13 AM 1.8 55 08:17 AM 5.4 165 Sa 02:04 PM 1.3 40 08:50 PM 7.4 226	<b>5</b> 01:21 AM 3.8 116 07:25 AM 6.9 210 M 02:42 PM 0.6 18 09:34 PM 6.0 183	<b>20</b> 12:29 AM 4.2 128 06:17 AM 6.5 198 Tu 01:42 PM 1.0 30 08:56 PM 5.5 168	<b>5</b> 02:31 AM 3.1 94 08:29 AM 6.1 186 W 03:06 PM 0.7 21 09:54 PM 6.7 204	<b>20</b> 01:28 AM 3.4 104 07:14 AM 6.0 183 Th 01:55 PM 0.7 21 08:55 PM 6.4 195	<b>5</b> 04:07 AM 1.2 37 10:19 AM 5.4 165 Sa 03:51 PM 1.9 58 10:29 PM 7.3 223	<b>20</b> 03:20 AM 0.9 27 09:37 AM 5.4 165 Su 03:03 PM 1.7 52 09:38 PM 7.9 241	<b>6</b> 02:44 AM 3.6 110 08:47 AM 6.7 204 Tu 03:47 PM 0.5 15 10:33 PM 6.5 198	<b>21</b> 01:54 AM 3.9 119 07:40 AM 6.3 192 W 02:49 PM 0.8 24 09:59 AM 5.9 180	<b>6</b> 03:38 AM 2.4 73 10:43 AM 6.0 183 Th 03:58 PM 0.9 27 10:39 PM 7.1 216	<b>21</b> 02:41 AM 2.6 79 08:37 AM 5.9 180 F 02:53 PM 0.8 24 09:41 AM 6.9 210	<b>6</b> 04:57 AM 0.6 18 11:17 AM 5.6 171 Su 04:35 PM 2.2 67 11:04 PM 7.5 229	<b>21</b> 04:22 AM 0.0 0 10:49 AM 5.7 174 M 04:00 PM 2.1 64 10:27 PM 8.1 256	<b>7</b> 03:55 AM 3.0 91 10:00 AM 6.8 207 W 04:41 PM 0.3 9 11:20 PM 6.9 210	<b>22</b> 03:09 AM 3.3 101 09:03 AM 6.3 192 Th 03:46 PM 0.6 18 10:35 PM 6.5 198	<b>7</b> 04:34 AM 1.6 49 10:43 AM 6.1 186 F 04:42 PM 1.0 30 11:17 PM 7.4 226	<b>22</b> 03:45 AM 1.6 49 09:53 AM 6.0 183 Sa 03:47 PM 1.0 30 10:24 PM 7.6 232	<b>7</b> 05:41 AM 0.1 3 12:08 PM 5.8 177 M 05:16 PM 2.6 79 11:37 PM 7.6 232	<b>22</b> 05:19 AM -0.8 -24 11:54 AM 6.0 183 Tu 04:57 PM 2.4 73 11:15 PM 8.8 268	<b>8</b> 04:53 AM 2.3 70 11:01 AM 6.9 210 Th 05:25 PM 0.3 9	<b>23</b> 04:10 AM 2.4 73 10:15 AM 6.6 201 F 04:35 PM 0.4 12 11:34 PM 7.0 213	<b>8</b> 05:22 AM 0.9 27 09:41 AM 6.2 189 Sa 05:21 PM 1.3 40 11:51 PM 7.6 232	<b>23</b> 04:42 AM 0.6 18 11:01 AM 6.3 192 Su 04:37 PM 1.3 40 11:05 PM 8.2 250	<b>8</b> 06:22 AM -0.3 -9 12:55 PM 5.9 180 Tu 05:57 PM 2.9 88	<b>23</b> 06:13 AM -1.4 -43 12:53 PM 6.3 192 W 05:53 PM 2.7 82	<b>9</b> 12:00 AM 7.2 219 05:43 AM 1.6 49 F 11:53 AM 7.0 213 06:04 PM 0.4 12	<b>24</b> 05:05 AM 1.4 43 11:17 AM 6.9 210 Sa 05:21 PM 0.4 12 11:51 PM 7.6 232	<b>9</b> 06:06 AM 0.4 12 12:24 PM 6.3 192 Su 05:57 PM 1.6 49	<b>24</b> 05:35 AM -0.4 -12 12:02 PM 6.5 198 M 05:26 PM 1.6 49 11:47 PM 8.7 265	<b>9</b> 12:09 AM 7.7 235 07:01 AM -0.5 -15 W 01:40 PM 6.1 186 06:37 PM 3.2 98	<b>24</b> 12:04 AM 9.0 274 07:06 AM -1.7 -52 Th 01:48 PM 6.5 198 06:48 PM 2.8 85	<b>10</b> 12:34 AM 7.5 229 06:27 AM 1.0 30 Sa 12:39 PM 7.0 213 06:39 PM 0.6 18	<b>25</b> 05:55 AM 0.4 12 12:13 PM 7.2 219 Su 06:04 PM 0.6 18	<b>10</b> 12:21 AM 7.7 235 06:45 AM 0.0 0 M 01:09 PM 6.3 192 06:32 PM 2.0 61	<b>25</b> 06:27 AM -1.1 -34 12:59 PM 6.7 204 Tu 06:15 PM 2.0 61	<b>10</b> 12:39 AM 7.8 238 07:38 AM -0.6 -18 Th 02:23 PM 6.1 186 07:17 PM 3.4 104	<b>25</b> 12:54 AM 8.9 271 07:56 AM -1.8 -55 F 02:41 PM 6.7 204 07:43 PM 2.8 85	<b>11</b> 01:05 AM 7.6 232 07:08 AM 0.6 18 Su 01:23 PM 6.9 210 07:11 PM 1.0 30	<b>26</b> 12:27 AM 8.2 250 06:44 AM -0.4 -12 M 01:07 PM 7.3 223 06:47 PM 0.9 27	<b>11</b> 12:49 AM 7.7 235 07:23 AM -0.3 -9 Tu 01:52 PM 6.3 192 07:06 PM 2.4 73	<b>26</b> 12:29 AM 9.0 274 07:17 AM -1.6 -49 W 01:55 PM 6.8 207 07:05 PM 2.3 70	<b>11</b> 01:11 AM 7.8 238 08:14 AM -0.6 -18 F 03:04 PM 6.2 189 07:56 PM 3.5 107	<b>26</b> 01:44 AM 8.7 265 08:44 AM -1.7 -52 Sa 03:31 PM 6.7 204 08:37 PM 2.8 85	<b>12</b> 01:33 AM 7.6 232 07:45 AM 0.3 9 M 02:04 PM 6.8 207 07:41 PM 1.4 43	<b>27</b> 01:04 AM 8.6 262 07:32 AM -1.0 -30 Tu 02:01 PM 7.2 219 07:30 PM 1.4 43	<b>12</b> 01:15 AM 7.8 238 07:58 AM -0.4 -12 W 02:34 PM 6.3 192 07:40 PM 2.8 85	<b>27</b> 01:13 AM 9.1 277 08:08 AM -1.8 -55 Th 02:50 PM 6.8 207 07:56 PM 2.6 79	<b>12</b> 01:44 AM 7.7 235 08:49 AM -0.6 -18 Sa 03:44 PM 6.1 186 08:35 PM 3.5 107	<b>27</b> 02:34 AM 8.3 253 09:30 AM -1.5 -46 Su 04:19 PM 6.8 207 09:30 PM 2.7 82	<b>13</b> 01:59 AM 7.7 235 08:20 AM 0.1 3 Tu 02:45 PM 6.6 201 08:11 PM 1.9 58	<b>28</b> 01:43 AM 8.9 271 08:20 AM -1.4 -43 W 02:55 PM 7.1 216 08:15 PM 1.9 58	<b>13</b> 01:41 AM 7.8 238 08:32 AM -0.4 -12 Th 03:16 PM 6.2 189 08:14 PM 3.1 94	<b>28</b> 01:59 AM 9.0 274 08:57 AM -1.7 -52 F 03:45 PM 6.8 207 08:48 PM 2.9 88	<b>13</b> 02:20 AM 7.7 235 09:24 AM -0.6 -18 Su 04:24 PM 6.1 186 09:16 PM 3.5 107	<b>28</b> 03:26 AM 7.8 238 10:14 AM -1.0 -30 M 05:06 PM 6.7 204 10:24 PM 2.6 79	<b>14</b> 02:22 AM 7.7 235 08:54 AM 0.1 3 W 03:25 PM 6.3 192 08:40 PM 2.4 73	<b>29</b> 02:23 AM 9.0 274 09:09 AM -1.4 -43 Th 03:50 PM 6.8 207 09:01 PM 2.4 73	<b>14</b> 02:08 AM 7.7 235 09:05 AM -0.3 -9 F 03:58 PM 6.1 186 08:49 PM 3.4 104	<b>29</b> 02:47 AM 8.7 265 09:47 AM -1.4 -43 Sa 04:39 PM 6.7 204 09:42 PM 3.1 94	<b>14</b> 02:59 AM 7.5 229 10:00 AM -0.5 -15 M 05:04 PM 6.0 183 09:59 PM 3.4 104	<b>29</b> 04:19 AM 7.1 216 10:58 AM -0.4 -12 Tu 05:52 PM 6.7 204 11:21 PM 2.5 76	<b>15</b> 02:45 AM 7.7 235 09:26 AM 0.1 3 Th 04:07 PM 6.0 183 09:10 PM 2.8 85	<b>30</b> 03:06 AM 8.8 268 10:00 AM -1.2 -37 F 04:48 PM 6.5 198 09:51 PM 2.9 88	<b>15</b> 02:38 AM 7.7 235 09:39 AM -0.2 -6 Sa 04:41 PM 5.9 180 09:27 PM 3.6 110	<b>30</b> 03:38 AM 8.1 247 10:37 AM -0.9 -27 Su 05:34 PM 6.6 201 10:40 PM 3.2 98	<b>15</b> 03:44 AM 7.2 219 10:38 AM -0.3 -9 Tu 05:45 PM 6.1 186 10:50 PM 3.3 101	<b>30</b> 05:16 AM 6.3 192 11:41 AM 0.2 6 W 06:38 PM 6.7 204	<b>31</b> 04:34 AM 7.4 226 11:30 AM -0.4 -12 M 06:30 PM 6.5 198 11:44 PM 3.2 98

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: Astoria ( 9439040 ) Time offset in mins (high: -44 low: -60) Height offset in feet (high: +0.3 low: +0.03)



**NORTH JETTY, WA, 2021**

**Times and Heights of High and Low Waters**

July				August				September			
Time	Height	Time	Height	Time	Height	Time	Height	Time	Height	Time	Height
<b>1</b> 12:22 AM 06:19 AM Th 12:26 PM 07:23 PM	2.4 5.6 0.9 6.7	<b>16</b> 05:30 AM 11:34 AM F 06:25 PM	6.0 0.4 7.0	<b>1</b> 01:45 AM 08:07 AM Su 01:07 PM 07:47 PM	1.4 4.4 2.7 6.5	<b>16</b> 01:25 AM 08:01 AM M 12:57 PM 07:29 PM	0.5 4.8 2.5 7.4	<b>1</b> 03:08 AM 10:03 AM W 02:43 PM 08:46 PM	0.9 4.8 3.7 6.1	<b>16</b> 03:39 AM 10:26 AM Th 03:32 PM 09:40 PM	-0.2 5.6 2.9 7.0
<b>2</b> 01:28 AM 07:52 AM F 01:15 PM 08:08 PM	2.1 5.1 1.5 6.7	<b>17</b> 12:35 AM 06:42 AM Sa 12:24 PM 07:12 PM	1.5 5.4 1.1 7.3	<b>2</b> 02:50 AM 09:23 AM M 02:09 PM 08:38 PM	1.1 4.5 3.2 6.5	<b>17</b> 02:43 AM 09:25 AM Tu 02:15 PM 08:36 PM	0.1 4.9 3.0 7.4	<b>2</b> 04:08 AM 11:00 AM Th 03:50 PM 09:52 PM	0.5 5.2 3.4 6.4	<b>17</b> 04:39 AM 11:20 AM F 04:36 PM 10:46 PM	-0.5 6.2 2.3 7.2
<b>3</b> 02:33 AM 08:41 AM Sa 02:07 PM 08:53 PM	1.6 4.8 2.1 6.9	<b>18</b> 01:47 AM 08:05 AM Su 01:24 PM 08:05 PM	1.0 5.0 1.9 7.6	<b>3</b> 03:51 AM 10:23 AM Tu 03:13 PM 09:31 PM	0.7 4.8 3.4 6.6	<b>18</b> 03:54 AM 10:38 AM W 03:30 PM 09:45 PM	-0.3 5.3 3.0 7.6	<b>3</b> 04:58 AM 11:45 AM F 04:46 PM 10:49 PM	0.0 5.6 3.0 6.7	<b>18</b> 05:29 AM 12:05 PM Sa 05:32 PM 11:42 PM	-0.7 6.6 1.7 7.3
<b>4</b> 03:33 AM 09:52 AM Su 02:59 PM 09:36 PM	1.1 4.8 2.6 7.0	<b>19</b> 02:59 AM 09:28 AM M 02:30 PM 09:30 PM	0.4 5.0 2.4 7.9	<b>4</b> 04:44 AM 10:23 AM W 04:13 PM 10:23 PM	0.2 5.2 3.4 6.9	<b>19</b> 04:56 AM 11:39 AM Th 04:38 PM 10:49 PM	-0.8 5.8 2.8 7.8	<b>4</b> 05:41 AM 12:24 PM Sa 05:35 PM 11:38 PM	-0.4 6.0 2.5 7.1	<b>19</b> 06:12 AM 12:44 PM Su 06:21 PM	-0.8 6.9 1.1
<b>5</b> 04:26 AM 10:55 AM M 03:51 PM 10:17 PM	0.5 4.8 2.9 7.2	<b>20</b> 04:06 AM 10:43 AM Tu 03:37 PM 09:59 PM	-0.3 5.3 2.7 8.2	<b>5</b> 05:31 AM 12:16 PM Th 05:06 PM 11:11 PM	-0.2 5.6 3.3 7.1	<b>20</b> 05:50 AM 12:29 PM F 05:37 PM 11:47 PM	-1.2 6.2 2.3 7.9	<b>5</b> 06:21 AM 12:59 PM Su 06:20 PM	-0.8 6.3 1.9	<b>20</b> 12:31 AM 06:51 AM M 01:20 PM 07:06 PM	7.3 -0.6 7.1 0.6
<b>6</b> 05:14 AM 11:50 AM Tu 04:40 PM 10:57 PM	0.1 5.4 3.2 7.4	<b>21</b> 05:07 AM 11:48 AM W 04:41 PM 10:56 PM	-0.9 5.7 2.8 8.4	<b>6</b> 06:14 AM 12:59 PM F 05:55 PM 11:56 PM	-0.6 5.9 3.0 7.3	<b>21</b> 06:38 AM 01:14 PM Sa 06:31 PM	-1.4 6.5 1.9	<b>6</b> 12:24 AM 06:57 AM M 01:31 PM 07:03 PM	7.3 -0.9 6.6 1.3	<b>21</b> 01:17 AM 07:26 AM Tu 01:52 PM 08:42 PM	7.2 -0.3 7.2 0.3
<b>7</b> 05:58 AM 12:39 PM W 05:28 PM 11:36 PM	-0.3 5.7 3.3 7.5	<b>22</b> 06:03 AM 12:44 PM Th 05:42 PM 11:51 PM	-1.4 6.1 2.8 8.5	<b>7</b> 06:53 AM 01:37 PM Sa 06:41 PM	-0.9 6.1 2.7	<b>22</b> 12:39 AM 07:20 AM Su 01:54 PM 07:21 PM	7.9 -1.4 6.8 1.5	<b>7</b> 01:09 AM 07:33 AM Tu 02:02 PM 07:45 PM	7.4 -0.9 6.9 2.1	<b>22</b> 02:01 AM 07:59 AM W 02:22 PM 08:27 PM	7.0 0.2 7.2 0.1
<b>8</b> 06:39 AM 01:23 PM Th 06:14 PM	-0.6 5.9 3.4	<b>23</b> 06:54 AM 01:35 PM F 06:39 PM	-1.7 6.4 2.6	<b>8</b> 12:38 AM 07:30 AM Su 02:12 PM 07:24 PM	7.5 -1.1 6.3 2.4	<b>23</b> 01:27 AM 07:59 AM M 02:32 PM 08:07 PM	7.7 -1.2 6.9 1.1	<b>8</b> 01:54 AM 08:07 AM W 02:33 PM 08:28 PM	7.4 -0.7 7.2 6	<b>23</b> 02:43 AM 08:29 AM Th 02:49 PM 09:03 PM	6.6 0.7 7.2 0.0
<b>9</b> 12:14 AM 07:18 AM F 02:05 PM 06:58 PM	7.6 -0.8 6.1 3.1	<b>24</b> 12:44 AM 07:42 AM Sa 02:22 PM 07:33 PM	8.5 -1.7 6.6 2.3	<b>9</b> 01:20 AM 08:05 AM M 02:45 PM 08:05 PM	7.6 -1.2 6.4 2.0	<b>24</b> 02:13 AM 08:35 AM Tu 03:07 PM 08:51 PM	7.4 -0.8 6.9 0.9	<b>9</b> 02:40 AM 08:41 AM Th 03:04 PM 09:11 PM	7.2 -0.3 7.5 -0.1	<b>24</b> 03:26 AM 08:58 AM F 03:14 PM 09:39 PM	6.2 1.3 7.1 0.1
<b>10</b> 12:52 AM 07:55 AM Sa 02:44 PM 07:41 PM	7.7 -0.9 6.2 3.2	<b>25</b> 01:35 AM 08:26 AM Su 03:06 PM 08:24 PM	8.3 -1.6 6.7 2.1	<b>10</b> 02:03 AM 08:39 AM Tu 03:17 PM 08:46 PM	7.5 -1.1 6.6 1.6	<b>25</b> 02:58 AM 09:07 AM W 03:39 PM 09:32 PM	6.9 -0.3 6.9 0.8	<b>10</b> 03:29 AM 09:17 AM F 03:38 PM 09:57 PM	6.8 0.3 7.7 -0.9	<b>25</b> 04:10 AM 09:27 AM Sa 03:39 PM 10:16 PM	5.8 2.0 7.0 0.4
<b>11</b> 01:30 AM 08:31 AM Su 03:21 PM 08:22 PM	7.7 -1.0 6.2 1.8	<b>26</b> 02:24 AM 09:06 AM M 03:48 PM 09:13 PM	7.9 -1.3 6.8 1.9	<b>11</b> 02:46 AM 09:12 AM W 03:48 PM 09:29 PM	7.3 -0.9 6.8 1.2	<b>26</b> 03:42 AM 09:38 AM Th 04:09 PM 10:14 PM	6.4 0.4 6.8 0.8	<b>11</b> 04:23 AM 09:55 AM Sa 04:16 PM 10:49 PM	6.2 1.0 7.7 -0.6	<b>26</b> 04:59 AM 09:59 AM Su 04:07 PM 10:58 PM	5.4 2.6 6.8 0.7
<b>12</b> 02:10 AM 09:05 AM M 03:55 PM 09:03 PM	7.6 -1.0 6.3 2.8	<b>27</b> 03:13 AM 09:44 AM Tu 04:27 PM 10:00 PM	7.4 -0.8 6.8 1.7	<b>12</b> 03:33 AM 09:45 AM Th 04:21 PM 10:15 PM	6.9 -1.5 7.0 0.9	<b>27</b> 04:29 AM 10:08 AM F 04:39 PM 10:57 PM	5.8 1.1 6.7 0.9	<b>12</b> 05:25 AM 10:38 AM Su 05:01 PM 11:51 PM	5.6 1.8 7.6 0.0	<b>27</b> 05:55 AM 10:38 AM M 04:42 PM 11:50 PM	5.0 3.2 6.5 1.0
<b>13</b> 02:52 AM 09:38 AM Tu 04:30 PM 09:46 PM	7.5 -0.9 6.4 2.5	<b>28</b> 04:01 AM 10:19 AM W 05:05 PM 10:49 PM	6.7 -0.2 6.7 1.7	<b>13</b> 04:25 AM 10:21 AM F 04:57 PM 11:08 PM	6.4 0.2 7.2 0.7	<b>28</b> 05:21 AM 10:40 AM Sa 05:10 PM 11:47 PM	5.2 1.8 6.5 1.1	<b>13</b> 06:37 AM 11:34 AM M 05:55 PM	5.1 2.6 7.3	<b>28</b> 07:02 AM 11:31 AM Tu 05:30 PM	4.7 3.7 6.2
<b>14</b> 03:38 AM 10:13 AM W 05:05 PM 10:34 PM	7.1 -0.6 6.5 2.8	<b>29</b> 04:52 AM 10:54 AM Th 05:42 PM 11:42 PM	6.0 0.5 6.6 1.6	<b>14</b> 05:25 AM 11:02 AM Sa 05:39 PM	5.7 1.0 7.3	<b>29</b> 06:21 AM 11:19 AM Su 05:47 PM	4.7 2.5 6.3	<b>14</b> 01:07 AM 07:59 AM Tu 12:48 PM 07:04 PM	0.2 5.0 3.2 7.0	<b>29</b> 01:00 AM 08:17 AM W 12:49 PM 06:38 PM	1.2 4.7 4.0 5.9
<b>15</b> 04:29 AM 10:51 AM Th 05:42 PM 11:30 PM	6.6 -0.2 6.7 1.9	<b>30</b> 05:48 AM 11:31 AM F 06:20 PM	5.3 1.2 6.5	<b>15</b> 12:11 AM 06:37 AM Su 11:53 AM 06:29 PM	0.6 5.1 1.8 7.4	<b>30</b> 12:48 AM 07:34 AM M 12:13 PM 06:34 PM	1.2 4.4 3.2 6.2	<b>15</b> 02:27 AM 09:19 AM W 02:14 PM 08:23 PM	0.1 5.2 3.3 6.9	<b>30</b> 02:16 AM 09:26 AM Th 02:14 PM 08:02 PM	1.1 5.0 3.9 5.8
<b>31</b> 12:40 AM 06:53 AM Sa 12:14 PM 07:01 PM	1.6 4.7 2.0 6.5			<b>31</b> 01:58 AM 08:52 AM Tu 01:25 PM 07:36 PM	1.2 4.4 3.6 6.0						

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**NORTH JETTY, WA, 2021**

**Times and Heights of High and Low Waters**

October				November				December			
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
<b>1</b> 03:22 AM 10:21 AM F 03:25 PM 09:20 PM	0.8 24 5.5 168 3.4 104 6.0 183	<b>16</b> 04:11 AM 10:51 AM Sa 04:29 PM 10:38 PM	0.2 6 6.8 207 1.9 58 6.7 204	<b>1</b> 04:10 AM 10:51 AM M 04:47 PM 10:58 PM	0.8 24 7.1 216 1.4 43 6.6 201	<b>16</b> 03:59 AM 10:29 AM Tu 04:49 PM 11:10 PM	1.6 49 8.0 244 0.3 9 6.5 198	<b>1</b> 03:09 AM 09:39 AM W 04:13 PM 10:41 PM	2.0 61 8.4 256 0.1 3 6.6 201	<b>16</b> 04:01 AM 10:22 AM Th 05:10 PM 11:45 PM	3.2 98 8.2 250 0.0 0 6.5 198
<b>2</b> 04:15 AM 11:04 AM Sa 04:22 PM 10:24 PM	0.4 12 5.9 180 2.7 82 6.4 195	<b>17</b> 04:58 AM 11:32 AM Su 05:21 PM 11:33 PM	0.1 3 7.2 219 1.1 34 6.8 207	<b>2</b> 04:55 AM 11:26 AM Tu 05:34 PM 11:54 PM	0.8 24 7.7 235 0.4 12 6.9 210	<b>17</b> 04:38 AM 11:01 AM W 05:29 PM 11:56 PM	2.0 61 8.1 247 -0.1 -3 6.6 201	<b>2</b> 03:59 AM 10:20 AM Th 05:03 PM 11:38 PM	2.3 70 9.0 274 -0.7 -21 7.0 213	<b>17</b> 04:44 AM 10:55 AM F 05:49 PM	3.5 107 8.3 253 -0.2 -6
<b>3</b> 04:59 AM 11:41 AM Su 05:12 PM 11:19 PM	0.0 0 6.4 195 1.9 58 6.8 207	<b>18</b> 05:39 AM 12:09 PM M 06:07 PM	0.3 9 7.5 229 0.5 15	<b>3</b> 05:37 AM 12:01 PM W 06:21 PM	0.9 27 8.2 250 -0.4 -12	<b>18</b> 05:15 AM 11:30 AM Th 06:07 PM	2.4 73 8.2 250 -0.3 -9	<b>3</b> 04:48 AM 11:02 AM F 05:52 PM	2.6 79 9.4 287 -1.2 -37	<b>18</b> 12:29 AM 05:25 AM Sa 11:28 PM 06:26 PM	6.7 204 3.8 116 8.3 253 -0.2 -6
<b>4</b> 05:40 AM 12:14 PM M 05:58 PM	-0.2 -6 6.9 210 1.1 34	<b>19</b> 12:21 AM 06:16 AM Tu 12:41 PM 06:48 PM	6.9 210 0.6 18 7.7 235 0.0 0	<b>4</b> 12:46 AM 06:20 AM Th 12:36 PM ● 07:07 PM	7.1 216 1.3 40 8.7 265 -1.0 -30	<b>19</b> 12:39 AM 05:50 AM F 11:58 AM ○ 06:43 PM	6.7 204 2.8 85 8.1 247 -0.4 -12	<b>4</b> 12:32 AM 05:38 AM Sa 11:46 AM ● 06:42 PM	7.2 219 2.9 88 9.7 296 -1.5 -46	<b>19</b> 01:11 AM 06:06 AM Su 12:00 PM ○ 07:01 PM	6.8 207 3.9 119 8.3 253 -0.2 -6
<b>5</b> 12:09 AM 06:18 AM Tu 12:46 PM 06:42 PM	7.1 216 -0.2 -6 7.3 223 0.3 9	<b>20</b> 01:06 AM 06:50 AM W 01:10 PM ○ 07:27 PM	6.8 207 1.0 30 7.7 235 -0.2 -6	<b>5</b> 01:38 AM 07:02 AM F 01:13 PM ○ 07:54 PM	7.2 219 1.7 52 9.0 274 -1.4 -43	<b>20</b> 01:22 AM 06:25 AM Sa 12:25 PM ○ 07:17 PM	6.7 204 3.2 98 8.1 247 -0.3 -9	<b>5</b> 01:25 AM 06:29 AM Su 12:32 PM ○ 07:31 PM	7.3 223 3.1 94 9.6 293 -1.5 -46	<b>20</b> 01:51 AM 06:45 AM M 12:33 PM ○ 07:35 PM	6.9 210 4.0 122 8.2 250 -0.2 -6
<b>6</b> 12:57 AM 06:56 AM W 01:18 PM ● 07:25 PM	7.3 223 0.0 0 7.7 235 -0.4 -12	<b>21</b> 01:49 AM 07:22 AM Th 01:37 PM ○ 08:03 PM	6.7 204 1.5 46 7.7 235 -0.3 -9	<b>6</b> 02:30 AM 07:46 AM Sa 01:53 PM ○ 08:41 PM	7.1 216 2.1 64 9.2 280 -1.5 -46	<b>21</b> 02:03 AM 07:01 AM Su 12:52 PM ○ 07:51 PM	6.6 201 3.5 107 8.0 244 -0.2 -6	<b>6</b> 02:18 AM 07:21 AM M 01:20 PM ○ 08:20 PM	7.3 223 3.3 101 9.4 287 -1.3 -40	<b>21</b> 02:29 AM 07:24 AM Tu 01:07 PM ○ 08:08 PM	6.8 207 4.0 122 8.1 247 -0.1 -3
<b>7</b> 01:45 AM 07:33 AM Th 01:50 PM ○ 08:09 PM	7.3 223 0.3 9 8.1 247 -0.8 -24	<b>22</b> 02:31 AM 07:54 AM F 02:02 PM ○ 08:38 PM	6.5 198 2.0 61 7.6 232 -0.3 -9	<b>7</b> 02:24 AM 07:33 AM Su 01:35 PM ○ 08:30 PM	7.0 213 2.6 79 9.1 277 -1.3 -40	<b>22</b> 02:45 AM 07:36 AM M 01:22 PM ○ 08:24 PM	6.5 198 3.8 116 7.9 241 0.0 0	<b>7</b> 03:11 AM 08:14 AM Tu 02:10 PM ○ 09:09 PM	7.2 219 3.4 104 8.9 271 -0.8 -24	<b>22</b> 03:06 AM 08:02 AM W 01:44 PM ○ 08:40 PM	6.8 207 4.0 122 8.0 244 0.0 0
<b>8</b> 02:35 AM 08:12 AM F 02:24 PM 08:54 PM	7.1 216 0.8 24 8.4 256 -1.1 -34	<b>23</b> 03:13 AM 08:24 AM Sa 02:26 PM ○ 09:11 PM	6.3 192 2.5 76 7.6 232 -0.1 -3	<b>8</b> 03:20 AM 08:22 AM M 02:22 PM ○ 09:23 PM	6.7 204 3.0 91 8.7 265 -0.9 -27	<b>23</b> 03:27 AM 08:14 AM Tu 01:56 PM ○ 08:59 PM	6.3 192 4.0 122 7.7 235 0.3 9	<b>8</b> 04:04 AM 09:11 AM W 03:05 PM ○ 09:59 PM	7.2 219 3.5 107 8.2 250 -0.3 -9	<b>23</b> 03:43 AM 08:43 AM Th 02:24 PM ○ 09:14 PM	6.8 207 3.9 119 7.7 235 0.2 6
<b>9</b> 03:27 AM 08:51 AM Sa 03:02 PM 09:42 PM	6.8 207 1.5 46 8.4 256 -1.0 -30	<b>24</b> 03:56 AM 08:56 AM Su 02:52 PM ○ 09:44 PM	6.0 183 3.0 91 7.4 226 0.1 3	<b>9</b> 04:20 AM 09:18 AM Tu 03:16 PM ○ 10:30 PM	6.5 198 3.4 104 8.1 247 -0.3 -9	<b>24</b> 04:11 AM 08:55 AM W 02:35 PM ○ 09:38 PM	6.2 189 4.1 125 7.4 226 0.5 15	<b>9</b> 04:58 AM 10:14 AM Th 04:07 PM ○ 10:52 PM	7.1 216 3.5 107 7.4 226 0.4 12	<b>24</b> 04:20 AM 09:28 AM F 03:11 PM ○ 09:52 PM	6.8 207 3.8 116 7.3 223 0.5 15
<b>10</b> 04:23 AM 09:34 AM Su 03:44 PM 10:34 PM	6.3 192 2.1 64 8.3 253 -0.7 -21	<b>25</b> 04:42 AM 09:31 AM M 03:22 PM ○ 10:21 PM	5.8 177 3.4 104 7.2 219 0.4 12	<b>10</b> 05:23 AM 10:24 AM W 04:19 PM ○ 11:25 PM	6.4 195 3.7 113 7.3 223 0.2 6	<b>25</b> 04:58 AM 09:46 AM Th 03:24 PM ○ 10:25 PM	6.1 186 4.2 128 6.9 210 0.8 24	<b>10</b> 05:53 AM 11:23 AM F 05:16 PM ○ 11:48 PM	7.1 216 3.4 104 6.6 201 1.0 30	<b>25</b> 04:59 AM 10:23 AM Sa 04:08 PM ○ 10:35 PM	6.8 207 3.6 110 6.7 204 1.0 30
<b>11</b> 05:25 AM 10:24 AM M 04:33 PM 11:36 PM	5.9 180 2.8 85 7.8 238 -0.3 -9	<b>26</b> 05:33 AM 10:11 AM Tu 03:59 PM ○ 11:07 PM	5.5 168 3.8 116 6.9 210 0.8 24	<b>11</b> 06:28 AM 11:42 AM Th 05:35 PM ○ 12:41 AM	6.4 195 3.6 110 6.6 201 0.7 21	<b>26</b> 05:49 AM 10:50 AM F 04:25 PM ○ 11:21 PM	6.1 186 4.1 125 6.4 195 1.1 34	<b>11</b> 06:47 AM 12:37 PM Sa 06:33 PM ○ 12:44 AM	7.2 219 3.0 91 6.0 183 1.6 49	<b>26</b> 05:41 AM 11:28 AM Su 05:18 PM ○ 11:26 PM	7.1 216 3.2 98 6.1 186 1.5 46
<b>12</b> 06:35 AM 11:28 AM Tu 05:33 PM	5.6 171 3.3 101 7.3 223	<b>27</b> 06:32 AM 11:04 AM W 04:47 PM	5.3 162 4.1 125 6.5 198	<b>12</b> 12:32 AM 07:30 AM F 01:03 PM ○ 06:58 PM	0.7 21 6.6 201 3.2 98 6.2 189	<b>27</b> 06:40 AM 12:06 PM Sa 05:44 PM ○ 07:50 PM	6.3 192 3.8 116 6.0 183 5.8 177	<b>12</b> 12:44 AM 07:38 AM Su 01:48 PM ○ 07:50 PM	1.6 49 7.4 226 2.4 73 5.7 174	<b>27</b> 06:27 AM 12:41 PM M 06:42 PM ○ 07:50 PM	7.4 226 2.6 79 5.7 174 2.1 64
<b>13</b> 12:49 AM 07:50 AM W 12:48 PM ○ 06:49 PM	0.1 3 5.6 171 3.6 110 6.7 204	<b>28</b> 12:06 AM 07:36 AM Th 12:18 PM ○ 05:53 PM	1.1 34 5.3 162 4.2 128 6.1 186	<b>13</b> 01:35 AM 08:26 AM Sa 02:14 PM ○ 08:16 PM	0.9 27 7.0 213 2.5 76 6.1 186	<b>28</b> 12:22 AM 07:29 AM Su 01:20 PM ○ 07:10 PM	1.3 40 6.7 204 3.1 94 5.8 177	<b>13</b> 01:39 AM 08:25 AM M 02:49 PM ○ 09:01 PM	2.1 64 7.7 235 1.6 49 5.8 177	<b>28</b> 12:24 AM 07:15 AM Tu 01:52 PM ○ 08:07 PM	2.1 64 7.8 238 1.8 55 5.7 174
<b>14</b> 02:05 AM 09:02 AM Th 02:14 PM 08:14 PM	0.3 9 5.8 171 3.3 101 6.5 198	<b>29</b> 01:17 AM 08:37 AM F 01:42 PM ○ 07:19 PM	1.2 37 5.6 171 4.0 122 5.8 177	<b>14</b> 02:30 AM 09:13 AM Su 03:14 PM ○ 09:23 PM	1.1 34 7.4 226 1.6 49 6.2 189	<b>29</b> 01:22 AM 08:15 AM M 02:24 PM ○ 08:30 PM	1.5 46 7.2 219 2.2 67 6.0 183	<b>14</b> 02:30 AM 09:08 AM Tu 03:42 PM ○ 10:03 PM	2.5 76 7.9 241 0.9 27 6.0 183	<b>29</b> 01:26 AM 08:05 AM W 02:56 PM ○ 09:25 PM	2.6 79 8.3 253 0.9 27 5.9 180
<b>15</b> 03:14 AM 10:02 AM F 03:28 PM 09:33 PM	0.3 9 6.3 192 2.7 82 6.5 198	<b>30</b> 02:24 AM 09:30 AM Sa 02:55 PM ○ 08:45 PM	1.1 34 6.0 183 3.3 101 5.9 180	<b>15</b> 03:18 AM 09:53 AM M 04:04 PM ○ 10:20 PM	1.3 40 7.7 235 0.9 27 6.4 195	<b>30</b> 02:17 AM 08:57 AM Tu 03:20 PM ○ 09:39 PM	1.7 52 7.8 238 1.1 34 6.3 192	<b>15</b> 03:17 AM 09:46 AM W 04:28 PM ○ 10:57 PM	2.9 88 8.1 247 0.4 12 6.3 192	<b>30</b> 02:28 AM 08:56 AM Th 03:54 PM ○ 10:32 PM	3.0 91 8.8 268 0.0 0 6.4 195
		<b>31</b> 03:21 AM 10:13 AM Su 03:55 PM ○ 09:57 PM	0.9 27 6.5 198 2.4 73 6.2 189					<b>31</b> 03:28 AM 09:47 AM F 04:50 PM ○ 11:35 PM	3.3 101 9.3 283 -0.7 -21 6.7 204		

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: Astoria ( 9439040 ) Time offset in mins (high: -44 low: -60) Height offset in feet (high: +0.3 low: +0.03)