

## Battery - January 2024

### Times and Heights of High and Low Waters

<b>1</b> Mon	05:19 0.72 11:40 4.04 18:05 0.35	<b>9</b> Tue	06:03 4.99 12:48 -0.26 18:32 3.83	<b>17</b> Wed	00:41 4.69 07:00 0.01 12:59 4.44 19:21 -0.39	<b>25</b> Thu	01:39 -0.03 07:49 4.79 14:26 -0.39 20:18 4.06
<b>2</b> Tue	00:32 3.78 06:06 0.92 12:23 3.83 18:47 0.5	<b>10</b> Wed	00:41 -0.15 06:49 5.29 13:37 -0.56 19:18 4.06	<b>18</b> Thu	01:35 4.67 08:09 0.17 13:55 4.12 20:22 -0.18	<b>26</b> Fri	02:22 -0.06 08:28 4.74 15:05 -0.4 20:59 4.07
<b>3</b> Wed	01:14 3.8 07:05 1.06 13:05 3.63 19:35 0.6	<b>11</b> Thu	01:33 -0.39 07:36 5.5 14:26 -0.81 20:06 4.25	<b>19</b> Fri	02:31 4.6 09:17 0.2 14:55 3.84 21:22 -0.04	<b>27</b> Sat	03:02 -0.04 09:06 4.62 15:41 -0.35 21:40 4.06
<b>4</b> Thu	01:55 3.85 08:13 1.07 13:48 3.47 20:27 0.64	<b>12</b> Fri	02:25 -0.59 08:24 5.58 15:13 -0.98 20:56 4.41	<b>20</b> Sat	03:32 4.53 10:19 0.14 16:02 3.68 22:19 0.04	<b>28</b> Sun	03:40 0.04 09:43 4.44 16:15 -0.24 22:21 4.02
<b>5</b> Fri	02:38 3.94 09:17 0.94 14:38 3.35 21:19 0.6	<b>13</b> Sat	03:15 -0.7 09:15 5.53 15:58 -1.05 21:50 4.52	<b>21</b> Sun	04:35 4.53 11:16 0.02 17:07 3.68 23:13 0.06	<b>29</b> Mon	04:15 0.18 10:19 4.22 16:46 -0.09 23:01 3.97
<b>6</b> Sat	03:26 4.1 10:14 0.7 15:40 3.31 22:10 0.49	<b>14</b> Sun	04:05 -0.68 10:09 5.35 16:43 -1.01 22:47 4.61	<b>22</b> Mon	05:33 4.6 12:08 -0.11 18:03 3.78	<b>30</b> Tue	04:50 0.35 10:54 3.99 17:14 0.1 23:40 3.93
<b>7</b> Sun	04:21 4.33 11:07 0.4 16:47 3.4 23:00 0.31	<b>15</b> Mon	04:57 -0.51 11:06 5.08 17:31 -0.86 23:44 4.67	<b>23</b> Tue	00:04 0.04 06:23 4.7 12:57 -0.23 18:52 3.9	<b>31</b> Wed	05:25 0.55 11:30 3.76 17:41 0.29
<b>8</b> Mon	05:14 4.65 11:57 0.07 17:43 3.59 23:50 0.09	<b>16</b> Tue	05:54 -0.25 12:03 4.77 18:23 -0.63	<b>24</b> Wed	00:53 0.01 07:08 4.77 13:43 -0.33 19:36 4		

East River Constant    HWS Batt. + 1:30    LWS Batt. + 1:20  
 North River Constant    HWS Batt. + 2:20    LWS Batt. + 2:40

East River slack water lasts from 4 to 8 minutes. North River about 35 minutes.  
 North River is running flood 15 feet below the surface 1 hour before turning  
 from ebb to flood at surface. High water slack occurs in the Narrows 15 minutes  
 before the H.W.S. East River and low water slack occurs about 20 minutes  
 before the L.W.S. North River.

## Battery - February 2024

### Times and Heights of High and Low Waters

<b>1</b> Thu	00:17 3.91 06:08 0.73 12:09 3.56 18:13 0.47	<b>9</b> Fri ●	01:18 -0.6 07:23 5.5 14:03 -1.0 19:50 4.6	<b>17</b> Sat	02:04 4.5 08:54 0.3 14:36 3.7 20:56 0.4	<b>25</b> Sun	02:41 -0.1 08:41 4.6 15:09 -0.3 21:07 4.4
<b>2</b> Fri ◐	00:53 3.9 07:09 0.9 12:53 3.4 18:58 0.6	<b>10</b> Sat	02:11 -0.9 08:11 5.6 14:50 -1.2 20:39 4.9	<b>18</b> Sun	03:05 4.3 09:59 0.3 15:42 3.5 21:59 0.5	<b>26</b> Mon	03:18 -0.1 09:13 4.4 15:40 -0.2 21:41 4.4
<b>3</b> Sat	01:33 4.0 08:26 0.9 13:44 3.2 20:08 0.7	<b>11</b> Sun	03:03 -1.0 09:01 5.6 15:35 -1.3 21:30 5.1	<b>19</b> Mon	04:12 4.2 10:57 0.2 16:50 3.6 22:56 0.4	<b>27</b> Tue	03:52 0.0 09:44 4.2 16:08 -0.1 22:13 4.3
<b>4</b> Sun	02:23 4.1 09:36 0.7 14:47 3.2 21:24 0.6	<b>12</b> Mon	03:52 -1.0 09:52 5.4 16:19 -1.2 22:23 5.1	<b>20</b> Tue	05:16 4.3 11:48 0.1 17:47 3.7 23:47 0.3	<b>28</b> Wed	04:25 0.2 10:14 4.0 16:33 0.1 22:43 4.3
<b>5</b> Mon	03:27 4.2 10:37 0.4 16:05 3.3 22:29 0.4	<b>13</b> Tue	04:43 -0.8 10:46 5.1 17:04 -1.0 23:18 5.0	<b>21</b> Wed	06:08 4.4 12:35 -0.0 18:34 3.9	<b>29</b> Thu	04:57 0.3 10:46 3.8 16:56 0.3 23:15 4.2
<b>6</b> Tue	04:38 4.5 11:32 0.1 17:16 3.5 23:28 0.1	<b>14</b> Wed	05:36 -0.5 11:42 4.7 17:53 -0.6	<b>22</b> Thu	00:34 0.2 06:51 4.6 13:18 -0.2 19:16 4.1		
<b>7</b> Wed	05:40 4.9 12:24 -0.3 18:12 3.9	<b>15</b> Thu	00:13 4.9 06:37 -0.1 12:39 4.3 18:48 -0.2	<b>23</b> Fri	01:19 0.1 07:30 4.7 13:58 -0.3 19:55 4.3		
<b>8</b> Thu	00:23 -0.3 06:33 5.3 13:15 -0.7 19:02 4.3	<b>16</b> Fri ◑	01:08 4.7 07:45 0.2 13:36 4.0 19:51 0.1	<b>24</b> Sat ○	02:01 -0.1 08:06 4.7 14:35 -0.3 20:32 4.4		

East River Constant    HWS Batt. + 1:30    LWS Batt. + 1:20  
 North River Constant    HWS Batt. + 2:20    LWS Batt. + 2:40

East River slack water lasts from 4 to 8 minutes. North River about 35 minutes.  
 North River is running flood 15 feet below the surface 1 hour before turning  
 from ebb to flood at surface. High water slack occurs in the Narrows 15 minutes  
 before the H.W.S. East River and low water slack occurs about 20 minutes  
 before the L.W.S. North River.

**TIMES ADJUSTED FOR DAYLIGHT SAVINGS TIME**

**Battery - March 2024**

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

<b>1</b> Fri	05:32 0.5 11:26 3.6 17:24 0.5 23:54 4.2	<b>9</b> Sat	01:03 -0.7 07:05 5.5 13:37 -1.0 19:30 5.2	<b>17</b> Sun	02:37 4.4 09:29 0.5 15:17 3.7 21:31 0.9	<b>25</b> Mon	03:17 -0.0 09:12 4.5 15:33 -0.1 21:32 4.9
<b>2</b> Sat	06:21 0.7 12:14 3.5 18:04 0.7	<b>10</b> Sun	01:56 -1.0 08:53 5.6 15:23 -1.2 21:18 5.5	<b>18</b> Mon	03:38 4.2 10:34 0.6 16:21 3.6 22:37 0.9	<b>26</b> Tue	03:54 -0.0 09:44 4.4 16:05 0.0 22:01 4.8
<b>3</b> Sun	00:42 4.2 07:39 0.8 13:10 3.3 19:08 0.8	<b>11</b> Mon	03:48 -1.1 09:42 5.6 16:09 -1.2 22:06 5.6	<b>19</b> Tue	04:44 4.1 11:31 0.5 17:26 3.7 23:35 0.8	<b>27</b> Wed	04:30 0.0 10:13 4.3 16:34 0.2 22:28 4.8
<b>4</b> Mon	01:40 4.2 09:01 0.8 14:16 3.3 20:48 0.8	<b>12</b> Tue	04:37 -1.1 10:32 5.3 16:53 -1.1 22:56 5.6	<b>20</b> Wed	05:50 4.1 12:21 0.4 18:23 3.9	<b>28</b> Thu	05:03 0.1 10:43 4.1 17:00 0.3 22:55 4.7
<b>5</b> Tue	02:49 4.3 10:08 0.5 15:35 3.4 22:07 0.5	<b>13</b> Wed	05:26 -0.9 11:25 5.0 17:37 -0.8 23:49 5.4	<b>21</b> Thu	00:25 0.6 06:43 4.3 13:05 0.2 19:09 4.2	<b>29</b> Fri	05:37 0.3 11:17 3.9 17:25 0.5 23:30 4.7
<b>6</b> Wed	04:09 4.6 11:06 0.1 16:52 3.8 23:10 0.1	<b>14</b> Thu	06:17 -0.5 12:22 4.6 18:24 -0.3	<b>22</b> Fri	01:12 0.4 07:26 4.5 13:45 0.1 19:49 4.5	<b>30</b> Sat	06:14 0.4 12:01 3.7 17:57 0.7
<b>7</b> Thu	05:19 4.9 11:58 -0.3 17:52 4.3	<b>15</b> Fri	00:44 5.1 07:14 -0.1 13:20 4.3 19:17 0.2	<b>23</b> Sat	01:55 0.2 08:04 4.6 14:23 0.0 20:26 4.7	<b>31</b> Sun	00:15 4.6 07:02 0.6 12:55 3.6 18:40 0.8
<b>8</b> Fri	00:08 -0.3 06:15 5.3 12:48 -0.7 18:43 4.8	<b>16</b> Sat	01:40 4.7 08:19 0.3 14:18 4.0 20:21 0.6	<b>24</b> Sun	02:37 0.1 08:39 4.6 14:59 -0.1 21:00 4.8		

East River Constant    HWS Batt. + 1:30    LWS Batt. + 1:20  
North River Constant    HWS Batt. + 2:20    LWS Batt. + 2:40

East River slack water lasts from 4 to 8 minutes. North River about 35 minutes. North River is running flood 15 feet below the surface 1 hour before turning from ebb to flood at surface. High water slack occurs in the Narrows 15 minutes before the H.W.S. East River and low water slack occurs about 20 minutes before the L.W.S. North River.

**TIMES ADJUSTED FOR DAYLIGHT SAVINGS TIME**

**Battery - April 2024**

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

<b>1</b> Mon	01:12 4.5 08:14 0.8 13:58 3.6 19:48 1.0	<b>9</b> Tue	03:31 -1.0 09:21 5.4 15:42 -0.9 21:41 6.0	<b>17</b> Wed	04:08 4.1 10:57 0.7 16:53 4.0 23:07 1.1	<b>25</b> Thu	04:09 0.0 09:47 4.2 16:03 0.4 21:52 5.2
<b>2</b> Tue 	02:17 4.5 09:34 0.7 15:04 3.7 21:32 1.0	<b>10</b> Wed	04:20 -0.9 10:12 5.2 16:27 -0.7 22:30 5.8	<b>18</b> Thu	05:10 4.1 11:44 0.6 17:48 4.2 23:58 0.9	<b>26</b> Fri	04:46 0.1 10:22 4.1 16:35 0.5 22:24 5.1
<b>3</b> Wed	03:27 4.6 10:40 0.5 16:16 3.9 22:51 0.6	<b>11</b> Thu	05:09 -0.7 11:06 4.9 17:12 -0.3 23:21 5.5	<b>19</b> Fri	06:05 4.2 12:26 0.5 18:36 4.5	<b>27</b> Sat	05:24 0.2 11:02 4.0 17:08 0.7 23:05 5.0
<b>4</b> Thu	04:44 4.7 11:38 0.1 17:28 4.3 23:54 0.2	<b>12</b> Fri	05:58 -0.4 12:03 4.5 17:58 0.1	<b>20</b> Sat	00:43 0.7 06:52 4.3 13:05 0.4 19:16 4.7	<b>28</b> Sun	06:05 0.3 11:53 3.9 17:46 0.8 23:58 4.9
<b>5</b> Fri	05:54 5.0 12:30 -0.2 18:29 4.8	<b>13</b> Sat	00:16 5.1 06:52 0.1 13:02 4.3 18:50 0.6	<b>21</b> Sun	01:27 0.5 07:31 4.4 13:43 0.3 19:52 5.0	<b>29</b> Mon	06:55 0.5 12:54 3.8 18:36 0.9
<b>6</b> Sat	00:51 -0.2 06:53 5.2 13:19 -0.6 19:20 5.3	<b>14</b> Sun	01:14 4.8 07:53 0.4 14:00 4.1 19:52 1.0	<b>22</b> Mon	02:09 0.3 08:08 4.4 14:19 0.3 20:25 5.1	<b>30</b> Tue	01:01 4.8 08:00 0.6 13:56 3.9 19:52 1.0
<b>7</b> Sun	01:46 -0.6 07:44 5.4 14:07 -0.8 20:08 5.7	<b>15</b> Mon 	02:11 4.5 08:59 0.7 14:57 3.9 21:02 1.2	<b>23</b> Tue 	02:50 0.2 08:42 4.4 14:55 0.3 20:56 5.2		
<b>8</b> Mon 	02:39 -0.8 08:33 5.5 14:55 -0.9 20:54 6.0	<b>16</b> Tue	03:09 4.2 10:02 0.7 15:54 3.9 22:09 1.2	<b>24</b> Wed	03:30 0.1 09:15 4.3 15:30 0.3 21:24 5.2		

East River Constant    HWS Batt. + 1:30    LWS Batt. + 1:20  
North River Constant    HWS Batt. + 2:20    LWS Batt. + 2:40

East River slack water lasts from 4 to 8 minutes. North River about 35 minutes. North River is running flood 15 feet below the surface 1 hour before turning from ebb to flood at surface. High water slack occurs in the Narrows 15 minutes before the H.W.S. East River and low water slack occurs about 20 minutes before the L.W.S. North River.

**TIMES ADJUSTED FOR DAYLIGHT SAVINGS TIME**

**Battery - May 2024**

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

<b>1</b> Wed ☾	02:07 4.8 09:09 0.5 14:57 4.1 21:23 1.0	<b>9</b> Thu	04:04 -0.6 09:53 4.9 16:04 -0.2 22:05 5.8	<b>17</b> Fri	04:21 4.0 10:59 0.8 17:05 4.4 23:23 1.1	<b>25</b> Sat	04:30 0.0 10:07 4.1 16:18 0.6 22:08 5.4
<b>2</b> Thu	03:12 4.8 10:12 0.3 16:00 4.4 22:35 0.7	<b>10</b> Fri	04:52 -0.5 10:48 4.7 16:50 0.1 22:56 5.5	<b>18</b> Sat	05:16 4.0 11:41 0.7 17:54 4.6	<b>26</b> Sun	05:12 0.0 10:55 4.1 17:00 0.6 22:57 5.3
<b>3</b> Fri	04:20 4.8 11:08 0.1 17:05 4.8 23:38 0.3	<b>11</b> Sat	05:40 -0.2 11:45 4.5 17:36 0.5 23:51 5.1	<b>19</b> Sun	00:10 0.9 06:08 4.1 12:20 0.6 18:37 4.9	<b>27</b> Mon	05:56 0.1 11:51 4.1 17:45 0.7 23:54 5.2
<b>4</b> Sat	05:28 4.9 12:00 -0.2 18:05 5.3	<b>12</b> Sun	06:29 0.1 12:43 4.3 18:25 0.9	<b>20</b> Mon	00:55 0.7 06:53 4.1 12:59 0.6 19:15 5.1	<b>28</b> Tue	06:46 0.2 12:52 4.2 18:41 0.8
<b>5</b> Sun	00:35 -0.1 06:28 5.0 12:49 -0.4 18:57 5.7	<b>13</b> Mon	00:48 4.8 07:24 0.5 13:39 4.2 19:21 1.2	<b>21</b> Tue	01:39 0.5 07:34 4.2 13:38 0.5 19:49 5.3	<b>29</b> Wed	00:57 5.1 07:42 0.3 13:50 4.4 19:53 0.9
<b>6</b> Mon	01:29 -0.4 07:22 5.1 13:38 -0.5 19:45 6.0	<b>14</b> Tue	01:43 4.5 08:23 0.7 14:32 4.1 20:27 1.4	<b>22</b> Wed	02:23 0.3 08:11 4.2 14:17 0.5 20:21 5.4	<b>30</b> Thu ☾	01:58 5.0 08:43 0.3 14:45 4.6 21:10 0.8
<b>7</b> Tue	02:22 -0.6 08:12 5.2 14:27 -0.5 20:31 6.1	<b>15</b> Wed ☾	02:36 4.3 09:20 0.8 15:22 4.1 21:32 1.4	<b>23</b> Thu ☾	03:06 0.1 08:48 4.2 14:57 0.5 20:53 5.4	<b>31</b> Fri	02:57 4.9 09:42 0.2 15:41 4.9 22:19 0.6
<b>8</b> Wed ●	03:14 -0.7 09:02 5.1 15:16 -0.4 21:18 6.0	<b>16</b> Thu	03:27 4.2 10:13 0.8 16:13 4.2 22:31 1.3	<b>24</b> Fri	03:48 0.1 09:25 4.2 15:38 0.5 21:27 5.4		

East River Constant    HWS Batt. + 1:30    LWS Batt. + 1:20  
North River Constant    HWS Batt. + 2:20    LWS Batt. + 2:40

East River slack water lasts from 4 to 8 minutes. North River about 35 minutes. North River is running flood 15 feet below the surface 1 hour before turning from ebb to flood at surface. High water slack occurs in the Narrows 15 minutes before the H.W.S. East River and low water slack occurs about 20 minutes before the L.W.S. North River.

**TIMES ADJUSTED FOR DAYLIGHT SAVINGS TIME**

**Battery - June 2024**

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

<b>1</b> Sat	03:58 4.8 10:38 0.0 16:41 5.2 23:21 0.4	<b>9</b> Sun	05:20 -0.1 11:24 4.4 17:14 0.7 23:26 5.1	<b>17</b> Mon	05:16 3.8 11:33 0.9 17:51 4.9	<b>25</b> Tue	05:41 -0.2 11:40 4.5 17:42 0.4 23:48 5.4
<b>2</b> Sun	05:02 4.7 11:31 -0.1 17:40 5.5	<b>10</b> Mon	06:05 0.2 12:19 4.3 18:00 0.9	<b>18</b> Tue	00:22 0.9 06:11 3.9 12:16 0.8 18:34 5.1	<b>26</b> Wed	06:28 -0.1 12:38 4.7 18:38 0.5
<b>3</b> Mon	00:18 0.1 06:05 4.7 12:22 -0.2 18:35 5.8	<b>11</b> Tue	00:19 4.8 06:51 0.4 13:11 4.3 18:48 1.2	<b>19</b> Wed	01:08 0.6 06:59 4.0 12:58 0.7 19:13 5.3	<b>27</b> Thu	00:47 5.3 07:18 -0.1 13:34 4.9 19:44 0.7
<b>4</b> Tue	01:12 -0.1 07:02 4.8 13:12 -0.2 19:25 5.9	<b>12</b> Wed	01:10 4.6 07:40 0.6 14:00 4.3 19:45 1.4	<b>20</b> Thu	01:55 0.4 07:42 4.1 13:43 0.7 19:51 5.5	<b>28</b> Fri ☾	01:44 5.1 08:14 0.0 14:27 5.1 20:54 0.7
<b>5</b> Wed	02:06 -0.3 07:55 4.8 14:03 -0.1 20:12 5.9	<b>13</b> Thu	01:58 4.4 08:30 0.8 14:45 4.3 20:48 1.5	<b>21</b> Fri	02:42 0.2 08:24 4.2 14:30 0.6 20:30 5.6	<b>29</b> Sat	02:40 4.8 09:12 0.1 15:21 5.3 22:02 0.6
<b>6</b> Thu ●	02:57 -0.3 08:46 4.8 14:54 0.0 20:58 5.8	<b>14</b> Fri ☾	02:43 4.2 09:19 0.9 15:30 4.4 21:48 1.4	<b>22</b> Sat ○	03:28 0.0 09:06 4.2 15:18 0.5 21:12 5.7	<b>30</b> Sun	03:38 4.6 10:10 0.1 16:17 5.4 23:04 0.5
<b>7</b> Fri	03:47 -0.3 09:37 4.7 15:43 0.2 21:45 5.6	<b>15</b> Sat	03:29 4.0 10:06 0.9 16:16 4.5 22:44 1.3	<b>23</b> Sun	04:13 -0.1 09:52 4.3 16:05 0.4 21:59 5.7		
<b>8</b> Sat	04:34 -0.3 10:30 4.5 16:30 0.4 22:34 5.4	<b>16</b> Sun	04:20 3.9 10:51 0.9 17:03 4.7 23:34 1.1	<b>24</b> Mon	04:57 -0.2 10:44 4.4 16:53 0.4 22:51 5.6		

East River Constant    HWS Batt. + 1:30    LWS Batt. + 1:20  
North River Constant    HWS Batt. + 2:20    LWS Batt. + 2:40

East River slack water lasts from 4 to 8 minutes. North River about 35 minutes. North River is running flood 15 feet below the surface 1 hour before turning from ebb to flood at surface. High water slack occurs in the Narrows 15 minutes before the H.W.S. East River and low water slack occurs about 20 minutes before the L.W.S. North River.

**TIMES ADJUSTED FOR DAYLIGHT SAVINGS TIME**

**Battery - July 2024**

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

<b>1</b> Mon	04:41 4.5 11:06 0.1 17:17 5.5	<b>9</b> Tue	05:35 0.2 11:47 4.5 17:33 0.9 23:45 4.8	<b>17</b> Wed	05:25 3.7 11:35 1.0 17:51 5.0	<b>25</b> Thu	06:03 -0.4 12:16 5.3 18:26 0.3
<b>2</b> Tue	00:02 0.3 05:46 4.4 12:00 0.2 18:16 5.6	<b>10</b> Wed	06:14 0.4 12:35 4.5 18:15 1.1	<b>18</b> Thu	00:38 0.8 06:25 3.9 12:26 0.9 18:41 5.3	<b>26</b> Fri	00:31 5.3 06:51 -0.2 13:11 5.4 19:28 0.5
<b>3</b> Wed	00:57 0.2 06:47 4.5 12:52 0.2 19:08 5.7	<b>11</b> Thu	00:31 4.6 06:52 0.6 13:20 4.5 19:02 1.3	<b>19</b> Fri	01:28 0.5 07:15 4.1 13:16 0.7 19:27 5.6	<b>27</b> Sat	01:28 5.1 07:45 0.0 14:05 5.4 20:36 0.6
<b>4</b> Thu	01:50 0.0 07:41 4.5 13:44 0.3 19:57 5.7	<b>12</b> Fri	01:15 4.4 07:32 0.8 14:02 4.5 19:57 1.4	<b>20</b> Sat	02:17 0.2 08:01 4.3 14:08 0.5 20:12 5.8	<b>28</b> Sun ☾	02:24 4.8 08:44 0.2 14:59 5.4 21:44 0.7
<b>5</b> Fri ●	02:41 -0.1 08:31 4.6 14:35 0.4 20:43 5.6	<b>13</b> Sat ☾	01:57 4.1 08:15 1.0 14:42 4.5 20:59 1.5	<b>21</b> Sun ○	03:05 -0.1 08:47 4.5 15:01 0.3 20:59 5.9	<b>29</b> Mon	03:21 4.5 09:45 0.4 15:56 5.4 22:48 0.7
<b>6</b> Sat	03:29 -0.1 09:20 4.6 15:24 0.5 21:28 5.5	<b>14</b> Sun	02:38 3.9 09:03 1.1 15:23 4.6 22:00 1.4	<b>22</b> Mon	03:51 -0.3 09:34 4.8 15:52 0.1 21:47 5.9	<b>30</b> Tue	04:25 4.3 10:46 0.5 16:58 5.3 23:47 0.5
<b>7</b> Sun	04:14 -0.1 10:09 4.5 16:09 0.6 22:13 5.3	<b>15</b> Mon	03:24 3.8 09:53 1.1 16:07 4.7 22:56 1.3	<b>23</b> Tue	04:35 -0.4 10:25 5.0 16:42 0.1 22:39 5.8	<b>31</b> Wed	05:32 4.3 11:43 0.6 18:01 5.3
<b>8</b> Mon	04:56 0.0 10:58 4.5 16:52 0.7 22:59 5.1	<b>16</b> Tue	04:19 3.7 10:45 1.1 16:58 4.8 23:48 1.0	<b>24</b> Wed	05:19 -0.5 11:19 5.1 17:32 0.1 23:34 5.6		

East River Constant    HWS Batt. + 1:30    LWS Batt. + 1:20  
North River Constant    HWS Batt. + 2:20    LWS Batt. + 2:40

East River slack water lasts from 4 to 8 minutes. North River about 35 minutes. North River is running flood 15 feet below the surface 1 hour before turning from ebb to flood at surface. High water slack occurs in the Narrows 15 minutes before the H.W.S. East River and low water slack occurs about 20 minutes before the L.W.S. North River.



**TIMES ADJUSTED FOR DAYLIGHT SAVINGS TIME**

**Battery - August 2024**

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

<b>1</b> Thu	00:42 0.4 06:35 4.3 12:37 0.6 18:56 5.4	<b>9</b> Fri	06:04 0.6 12:32 4.7 18:22 1.2	<b>17</b> Sat	01:01 0.5 06:50 4.3 12:56 0.6 19:06 5.7	<b>25</b> Sun	01:10 5.0 07:16 0.2 13:41 5.6 20:16 0.7
<b>2</b> Fri	01:33 0.3 07:28 4.5 13:28 0.6 19:44 5.4	<b>10</b> Sat	00:27 4.3 06:33 0.9 13:12 4.6 19:06 1.4	<b>18</b> Sun	01:50 0.1 07:39 4.7 13:50 0.3 19:55 6.0	<b>26</b> Mon	02:09 4.7 08:18 0.6 14:38 5.4 21:25 0.8
<b>3</b> Sat	02:21 0.2 08:16 4.6 14:17 0.6 20:28 5.5	<b>11</b> Sun	01:08 4.1 07:03 1.1 13:50 4.6 20:03 1.5	<b>19</b> Mon	02:37 -0.2 08:25 5.1 14:44 0.0 20:42 6.1	<b>27</b> Tue	03:08 4.4 09:25 0.8 15:37 5.2 22:31 0.8
<b>4</b> Sun	03:07 0.1 09:00 4.7 15:04 0.6 21:09 5.4	<b>12</b> Mon	01:50 3.9 07:42 1.2 14:28 4.6 21:12 1.5	<b>20</b> Tue	03:24 -0.4 09:12 5.4 15:36 -0.2 21:30 6.1	<b>28</b> Wed	04:12 4.3 10:29 0.9 16:41 5.1 23:31 0.7
<b>5</b> Mon	03:48 0.1 09:43 4.7 15:48 0.6 21:49 5.3	<b>13</b> Tue	02:37 3.8 08:43 1.4 15:11 4.7 22:18 1.4	<b>21</b> Wed	04:09 -0.6 10:01 5.6 16:27 -0.2 22:20 5.9	<b>29</b> Thu	05:19 4.3 11:29 0.9 17:46 5.1
<b>6</b> Tue	04:26 0.2 10:26 4.8 16:28 0.7 22:28 5.1	<b>14</b> Wed	03:32 3.7 09:57 1.4 16:06 4.8 23:17 1.2	<b>22</b> Thu	04:52 -0.6 10:53 5.7 17:17 -0.1 23:14 5.7	<b>30</b> Fri	00:24 0.6 06:21 4.4 12:22 0.9 18:41 5.2
<b>7</b> Wed	05:01 0.3 11:08 4.7 17:06 0.8 23:07 4.8	<b>15</b> Thu	04:42 3.7 11:03 1.2 17:11 5.0	<b>23</b> Fri	05:37 -0.5 11:48 5.8 18:10 0.1	<b>31</b> Sat	01:12 0.5 07:12 4.6 13:11 0.8 19:27 5.3
<b>8</b> Thu	05:34 0.4 11:51 4.7 17:44 1.0 23:47 4.6	<b>16</b> Fri	00:10 0.9 05:53 3.9 12:01 1.0 18:13 5.3	<b>24</b> Sat	00:11 5.3 06:24 -0.2 12:45 5.7 19:09 0.4		

East River Constant    HWS Batt. + 1:30    LWS Batt. + 1:20  
North River Constant    HWS Batt. + 2:20    LWS Batt. + 2:40

East River slack water lasts from 4 to 8 minutes. North River about 35 minutes. North River is running flood 15 feet below the surface 1 hour before turning from ebb to flood at surface. High water slack occurs in the Narrows 15 minutes before the H.W.S. East River and low water slack occurs about 20 minutes before the L.W.S. North River.



**TIMES ADJUSTED FOR DAYLIGHT SAVINGS TIME**

**Battery - September 2024**

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

<b>1</b> Sun	01:56 0.4 07:56 4.8 13:58 0.7 20:08 5.3	<b>9</b> Mon	00:18 4.1 06:11 1.2 12:48 4.8 19:14 1.4	<b>17</b> Tue	02:07 -0.3 08:02 5.6 14:26 -0.2 20:22 6.1	<b>25</b> Wed	02:55 4.4 09:04 1.2 15:17 5.0 22:10 0.9
<b>2</b> Mon	02:38 0.3 08:35 5.0 14:42 0.6 20:45 5.3	<b>10</b> Tue	01:06 3.9 06:47 1.4 13:34 4.7 20:27 1.5	<b>18</b> Wed	02:54 -0.5 08:48 6.0 15:19 -0.4 21:09 6.0	<b>26</b> Thu	03:57 4.3 10:12 1.2 16:20 4.9 23:09 0.8
<b>3</b> Tue	03:16 0.3 09:13 5.1 15:24 0.6 21:21 5.2	<b>11</b> Wed	02:01 3.8 07:43 1.5 14:26 4.8 21:43 1.4	<b>19</b> Thu	03:40 -0.7 09:35 6.2 16:10 -0.4 21:59 5.8	<b>27</b> Fri	05:01 4.3 11:12 1.2 17:23 4.9
<b>4</b> Wed	03:52 0.3 09:50 5.1 16:03 0.6 21:56 5.0	<b>12</b> Thu	03:02 3.8 09:18 1.5 15:27 4.9 22:47 1.2	<b>20</b> Fri	04:25 -0.6 10:25 6.2 17:01 -0.3 22:52 5.5	<b>28</b> Sat	00:00 0.7 06:00 4.5 12:04 1.0 18:18 4.9
<b>5</b> Thu	04:25 0.4 10:26 5.1 16:40 0.7 22:29 4.8	<b>13</b> Fri	04:12 3.9 10:39 1.3 16:38 5.1 23:42 0.8	<b>21</b> Sat	05:10 -0.4 11:19 6.0 17:52 -0.0 23:51 5.2	<b>29</b> Sun	00:44 0.6 06:48 4.7 12:51 0.9 19:03 5.0
<b>6</b> Fri	04:54 0.5 11:01 5.0 17:15 0.9 23:03 4.5	<b>14</b> Sat	05:25 4.2 11:42 1.0 17:47 5.4	<b>22</b> Sun	05:57 0.0 12:17 5.8 18:49 0.3	<b>30</b> Mon	01:25 0.5 07:30 5.0 13:35 0.7 19:42 5.1
<b>7</b> Sat	05:21 0.7 11:35 4.9 17:49 1.0 23:38 4.3	<b>15</b> Sun	00:32 0.4 06:25 4.6 12:38 0.5 18:44 5.7	<b>23</b> Mon	00:53 4.8 06:50 0.5 13:17 5.5 19:54 0.7		
<b>8</b> Sun	05:45 1.0 12:10 4.8 18:26 1.2	<b>16</b> Mon	01:20 0.0 07:15 5.2 13:33 0.1 19:34 6.0	<b>24</b> Tue	01:55 4.6 07:53 0.9 14:17 5.2 21:04 0.9		

East River Constant    HWS Batt. + 1:30    LWS Batt. + 1:20  
North River Constant    HWS Batt. + 2:20    LWS Batt. + 2:40

East River slack water lasts from 4 to 8 minutes. North River about 35 minutes. North River is running flood 15 feet below the surface 1 hour before turning from ebb to flood at surface. High water slack occurs in the Narrows 15 minutes before the H.W.S. East River and low water slack occurs about 20 minutes before the L.W.S. North River.

**TIMES ADJUSTED FOR DAYLIGHT SAVINGS TIME**

**Battery - October 2024**

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

<b>1</b> Tue	02:03 0.4 08:07 5.2 14:17 0.6 20:18 5.1	<b>9</b> Wed	00:37 3.8 06:18 1.3 12:53 4.8 19:54 1.3	<b>17</b> Thu	02:24 -0.6 08:25 6.3 15:02 -0.5 20:49 5.7	<b>25</b> Fri	03:35 4.2 09:47 1.3 15:50 4.6 22:38 0.8
<b>2</b> Wed	02:40 0.4 08:42 5.3 14:58 0.5 20:52 5.0	<b>10</b> Thu	01:41 3.8 07:15 1.5 13:57 4.8 21:11 1.2	<b>18</b> Fri	03:12 -0.6 09:11 6.4 15:53 -0.5 21:39 5.5	<b>26</b> Sat	04:33 4.3 10:47 1.2 16:49 4.5 23:27 0.7
<b>3</b> Thu	03:14 0.4 09:15 5.4 15:37 0.5 21:24 4.8	<b>11</b> Fri	02:45 3.9 08:56 1.5 15:02 4.9 22:16 1.0	<b>19</b> Sat	03:59 -0.5 10:00 6.3 16:44 -0.4 22:33 5.2	<b>27</b> Sun	05:28 4.5 11:39 1.1 17:44 4.5
<b>4</b> Fri	03:47 0.5 09:46 5.3 16:15 0.6 21:56 4.6	<b>12</b> Sat	03:51 4.1 10:20 1.2 16:11 5.0 23:12 0.6	<b>20</b> Sun	04:46 -0.2 10:53 6.0 17:35 -0.2 23:32 4.9	<b>28</b> Mon	00:09 0.6 06:17 4.7 12:25 0.9 18:31 4.6
<b>5</b> Sat	04:17 0.6 10:14 5.2 16:50 0.7 22:27 4.4	<b>13</b> Sun	04:58 4.5 11:25 0.8 17:20 5.2	<b>21</b> Mon	05:34 0.2 11:51 5.6 18:29 0.2	<b>29</b> Tue	00:48 0.5 06:58 5.0 13:09 0.7 19:12 4.6
<b>6</b> Sun	04:45 0.8 10:42 5.1 17:25 0.8 23:00 4.2	<b>14</b> Mon	00:02 0.2 05:59 5.0 12:21 0.4 18:20 5.5	<b>22</b> Tue	00:35 4.6 06:27 0.6 12:53 5.3 19:30 0.6	<b>30</b> Wed	01:25 0.4 07:36 5.2 13:51 0.5 19:49 4.6
<b>7</b> Mon	05:10 1.0 11:14 5.0 18:02 1.0 23:41 4.0	<b>15</b> Tue	00:50 -0.2 06:51 5.5 13:16 -0.0 19:12 5.7	<b>23</b> Wed	01:38 4.4 07:28 1.0 13:54 5.0 20:37 0.8	<b>31</b> Thu	02:01 0.4 08:10 5.3 14:32 0.4 20:24 4.6
<b>8</b> Tue	05:39 1.2 11:57 4.9 18:47 1.2	<b>16</b> Wed	01:37 -0.4 07:38 6.0 14:09 -0.3 20:01 5.8	<b>24</b> Thu	02:37 4.3 08:39 1.3 14:52 4.8 21:41 0.8		

East River Constant    HWS Batt. + 1:30    LWS Batt. + 1:20  
 North River Constant    HWS Batt. + 2:20    LWS Batt. + 2:40

East River slack water lasts from 4 to 8 minutes. North River about 35 minutes.  
 North River is running flood 15 feet below the surface 1 hour before turning  
 from ebb to flood at surface. High water slack occurs in the Narrows 15 minutes  
 before the H.W.S. East River and low water slack occurs about 20 minutes  
 before the L.W.S. North River.

TIMES ADJUSTED FOR DAYLIGHT SAVINGS TIME

**Battery - November 2024**

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

<b>1</b> Fri ●	02:37 0.4 08:41 5.4 15:13 0.4 20:57 4.5	<b>9</b> Sat ◐	01:30 4.0 07:42 1.2 13:42 4.8 20:43 0.6	<b>17</b> Sun	02:38 -0.4 08:40 6.0 15:28 -0.6 21:17 4.8	<b>25</b> Mon	03:47 4.3 10:07 1.0 15:59 4.0 22:27 0.6
<b>2</b> Sat	03:12 0.5 09:11 5.3 15:52 0.3 21:29 4.3	<b>10</b> Sun	02:29 4.3 09:02 0.9 14:46 4.8 21:40 0.3	<b>18</b> Mon	03:26 -0.2 09:31 5.7 16:17 -0.3 22:15 4.6	<b>26</b> Tue	04:37 4.5 10:55 0.8 16:52 4.0 23:07 0.5
<b>3</b> Sun	02:46 0.6 08:38 5.3 15:30 0.4 21:02 4.2	<b>11</b> Mon	03:31 4.7 10:07 0.6 15:52 4.9 22:31 -0.0	<b>19</b> Tue	04:14 0.1 10:27 5.3 17:08 -0.0 23:16 4.3	<b>27</b> Wed	05:22 4.7 11:40 0.6 17:39 4.0 23:46 0.4
<b>4</b> Mon	03:18 0.7 09:08 5.1 16:08 0.5 21:38 4.0	<b>12</b> Tue	04:32 5.1 11:05 0.2 16:55 5.0 23:20 -0.3	<b>20</b> Wed	05:04 0.5 11:27 5.0 18:02 0.3	<b>28</b> Thu	06:02 4.9 12:24 0.4 18:20 4.1
<b>5</b> Tue	03:49 0.8 09:44 5.0 16:47 0.6 22:24 3.8	<b>13</b> Wed	05:27 5.6 11:59 -0.2 17:50 5.2	<b>21</b> Thu	00:15 4.2 06:00 0.9 12:26 4.7 19:02 0.5	<b>29</b> Fri	00:24 0.4 06:38 5.1 13:07 0.3 18:58 4.1
<b>6</b> Wed	04:24 1.0 10:32 4.9 17:33 0.8 23:24 3.8	<b>14</b> Thu	00:09 -0.5 06:17 6.0 12:53 -0.5 18:42 5.2	<b>22</b> Fri	01:11 4.1 07:04 1.2 13:20 4.5 20:01 0.6	<b>30</b> Sat	01:03 0.4 07:12 5.2 13:49 0.1 19:34 4.1
<b>7</b> Thu	05:06 1.1 11:32 4.8 18:32 0.8	<b>15</b> Fri ○	00:58 -0.6 07:04 6.2 13:46 -0.6 19:32 5.2	<b>23</b> Sat ◑	02:03 4.1 08:11 1.2 14:12 4.2 20:56 0.7		
<b>8</b> Fri	00:29 3.8 06:09 1.2 12:38 4.8 19:40 0.8	<b>16</b> Sat	01:48 -0.6 07:51 6.2 14:38 -0.7 20:23 5.0	<b>24</b> Sun	02:55 4.2 09:13 1.2 15:05 4.1 21:44 0.6		

East River Constant HWS Batt. + 1:30 LWS Batt. + 1:20  
North River Constant HWS Batt. + 2:20 LWS Batt. + 2:40

East River slack water lasts from 4 to 8 minutes. North River about 35 minutes. North River is running flood 15 feet below the surface 1 hour before turning from ebb to flood at surface. High water slack occurs in the Narrows 15 minutes before the H.W.S. East River and low water slack occurs about 20 minutes before the L.W.S. North River.

## Battery - December 2024

### Times and Heights of High and Low Waters

<b>1</b> Sun ● 01:42 0.4 07:43 5.2 14:32 0.0 20:10 4.0	<b>9</b> Mon 02:06 4.5 08:42 0.6 14:22 4.5 21:06 -0.1	<b>17</b> Tue 03:09 -0.3 09:14 5.3 15:58 -0.6 21:56 4.3	<b>25</b> Wed 03:48 4.1 10:20 0.8 16:04 3.4 22:23 0.6
<b>2</b> Mon 02:22 0.4 08:15 5.2 15:12 0.0 20:46 3.9	<b>10</b> Tue 03:05 4.8 09:49 0.3 15:25 4.4 22:01 -0.2	<b>18</b> Wed 03:55 -0.0 10:06 5.0 16:44 -0.3 22:51 4.2	<b>26</b> Thu 04:39 4.3 11:09 0.6 17:01 3.4 23:07 0.5
<b>3</b> Tue 03:00 0.4 08:51 5.1 15:53 0.0 21:27 3.9	<b>11</b> Wed 04:06 5.1 10:48 0.0 16:31 4.4 22:54 -0.4	<b>19</b> Thu 04:41 0.3 10:58 4.7 17:30 -0.1 23:45 4.0	<b>27</b> Fri 05:26 4.5 11:55 0.4 17:51 3.5 23:50 0.4
<b>4</b> Wed 03:39 0.4 09:32 5.0 16:34 0.1 22:16 3.8	<b>12</b> Thu 05:05 5.4 11:44 -0.3 17:32 4.5 23:46 -0.5	<b>20</b> Fri 05:28 0.6 11:51 4.4 18:19 0.2	<b>28</b> Sat 06:08 4.7 12:41 0.1 18:34 3.7
<b>5</b> Thu 04:19 0.5 10:23 4.9 17:18 0.1 23:14 3.8	<b>13</b> Fri 05:59 5.6 12:38 -0.5 18:27 4.6	<b>21</b> Sat 00:36 4.0 06:22 0.8 12:41 4.2 19:10 0.4	<b>29</b> Sun 00:34 0.3 06:46 4.9 13:26 -0.1 19:14 3.8
<b>6</b> Fri 05:06 0.6 11:22 4.8 18:09 0.2	<b>14</b> Sat 00:38 -0.6 06:49 5.7 13:31 -0.7 19:19 4.6	<b>22</b> Sun ● 01:24 4.0 07:24 1.0 13:28 3.9 20:01 0.6	<b>30</b> Mon ● 01:18 0.2 07:23 5.0 14:11 -0.3 19:53 3.8
<b>7</b> Sat 00:14 4.0 06:08 0.7 12:23 4.7 19:07 0.2	<b>15</b> Sun ○ 01:30 -0.5 07:37 5.7 14:23 -0.7 20:10 4.6	<b>23</b> Mon 02:10 4.0 08:27 1.1 14:15 3.7 20:51 0.6	<b>31</b> Tue 2:03 0.1 8:01 5.1 14:54 -0.4 20:30 3.9
<b>8</b> Sun ● 01:10 4.2 07:27 0.7 13:22 4.6 20:08 0.1	<b>16</b> Mon 02:20 -0.4 08:25 5.6 15:12 -0.7 21:02 4.5	<b>24</b> Tue 02:58 4.0 09:26 1.0 15:06 3.5 21:38 0.6	

East River Constant    HWS Batt. + 1:30    LWS Batt. + 1:20  
 North River Constant    HWS Batt. + 2:20    LWS Batt. + 2:40

East River slack water lasts from 4 to 8 minutes. North River about 35 minutes.  
 North River is running flood 15 feet below the surface 1 hour before turning  
 from ebb to flood at surface. High water slack occurs in the Narrows 15 minutes  
 before the H.W.S. East River and low water slack occurs about 20 minutes  
 before the L.W.S. North River.