

*2010  
Tide & Slack Water  
Tables*



**New York City  
Department of Transportation**

**STATEN ISLAND FERRY**

**ADD ONE HOUR FOR DST**  
**Sandy Hook—May 2010—Eastern Standard Time**  
**Times and Heights of High and Low Waters**

1 SA	0342 0941 1543 2158	-0.2 4.6 0.3 5.4	9 SU	0355 1015 1628 2255	4.2 0.6 4.7 0.8	17 M	0411 1009 1606 2214	-0.1 4.6 0.3 5.6	25 TU	0513 1129 1744 6.0	4.8 -0.1 6.0
2 SU	0426 1033 1626 2248	0.1 4.4 0.7 5.1	10 M	0447 1056 1712 2341	4.3 0.5 5.0 0.4	18 TU	0459 1107 1658 2313	0.0 4.6 0.4 5.4	26 W	0014 0607 1217 1832	-0.2 4.8 -0.1 6.0
3 M	0510 1126 1712 2338	0.4 4.2 1.0 4.8	11 TU	0535 1138 1753 5.3	4.4 0.4 5.3	19 W	0553 1205 1759 0.6	0.1 4.7 0.6	27 TH	0104 0657 1306 1918	-0.2 4.8 0.0 6.0
4 TU	0559 1218 1805	0.7 4.1 1.3	12 W	0026 0619 1220 1832	4.3 0.5 0.3 5.5	20 TH	0013 0653 1302 1911	5.3 0.2 4.9 0.7	28 F	0152 0745 1353 2002	-0.2 4.8 0.2 5.9
5 W	0028 0653 1308 1909	4.6 0.9 4.1 1.4	13 TH	0112 0701 1303 1910	0.1 4.6 0.2 5.7	21 F	0111 0756 1400 2023	5.1 0.2 5.1 0.6	29 SA	0238 0832 1438 2046	-0.2 4.7 0.3 5.6
6 TH	0118 0750 1358 2016	4.4 1.0 4.1 1.4	14 F	0157 0743 1348 1949	0.7 4.0 0.2 5.8	22 SA	0210 0855 1458 2128	5.0 0.1 5.3 0.4	30 SU	0321 0919 1520 2131	0.0 4.5 0.5 5.4
7 F	0209 0844 1448 2115	4.3 0.9 4.2 1.3	15 SA	0241 0827 1432 2031	-0.1 4.6 0.2 5.8	23 SU	0312 0949 1556 2227	4.9 0.0 5.5 0.2	31 M	0402 1008 1602 2218	0.1 4.4 0.7 5.1
8 SA	0301 0932 1539 2207	4.2 0.8 4.4 1.0	16 SU	0326 0915 1518 2119	-0.1 4.6 0.2 5.7	24 M	0413 1039 1652 2321	4.8 -0.1 5.8 0.0			

Slack water at Sandy Hook occurs 50 minutes after H.W. and 1 hour and 10 minutes after L.W. and lasts about 25 minutes.

☾ Last Quar. 5 11:15 p.m.      ☽ First Quar. 20 6:43 p.m.  
 ☾ New Moon 13 8:04 p.m.      ☽ Full Moon 27 6:07 p.m.

The phase age of the tide is the interval by which spring tides follow full or new moon, and thus likewise the interval by which neap tide follows the moon's first and third quarters. The phase age of the tide at Ft. Hamilton is 26.5 hours.

**ADD ONE HOUR FOR DST**  
**The Battery—May 2010—Eastern Standard Time**  
**Times and Heights of High and Low Waters**

1 SA	0413 1016 1616 2227	-0.2 4.5 0.4 5.3	9 SU	0433 1048 1705 2326	4.1 0.7 4.6 0.8	17 M	0441 1037 1633 2232	-0.1 4.5 0.3 5.4	25 TU	0546 1200 1814 5.8	4.6 -0.1 5.8
2 SU	0458 1110 1701 2319	0.1 4.3 0.8 4.9	10 M	0523 1129 1746 2334	4.2 0.6 4.9 5.2	18 TU	0531 1136 1728 2334	0.0 4.5 0.5 5.1	26 W	0043 0640 1249 1901	-0.2 4.7 0.0 5.9
3 M	0546 1203 1750	0.4 4.2 1.1	11 TU	0012 0609 1210 1822	0.6 4.3 0.5 5.1	19 W	0627 1234 1834 0.6	0.1 4.6 0.6	27 TH	0133 0729 1338 1945	-0.3 4.7 0.1 5.8
4 TU	0010 0638 1255 1848	4.7 0.7 4.1 1.3	12 W	0058 0650 1252 1855	0.3 4.4 0.4 5.4	20 TH	0035 0728 1331 1947	5.1 0.2 4.8 0.7	28 F	0222 0817 1425 2029	-0.3 4.6 0.2 5.7
5 W	0100 0734 1345 1953	4.4 0.9 4.1 1.5	13 TH	0143 0729 1334 1929	0.1 4.4 0.3 5.5	21 F	0135 0829 1429 2057	4.9 0.1 5.0 0.6	29 SA	0307 0905 1510 2114	-0.2 4.5 0.4 5.4
6 TH	0151 0830 1435 2055	4.3 0.9 4.1 1.4	14 F	0227 0809 1418 2005	0.0 4.5 0.2 5.6	22 SA	0237 0926 1528 2159	4.8 0.0 5.2 0.4	30 SU	0351 0955 1553 2201	-0.1 4.4 0.6 5.2
7 F	0243 0921 1527 2150	4.1 0.9 4.2 1.3	15 SA	0311 0852 1501 2046	-0.1 4.5 0.2 5.6	23 SU	0342 1019 1628 2256	4.7 0.0 5.4 0.2	31 M	0433 1046 1636 2249	0.1 4.3 0.8 4.9
8 SA	0338 1006 1618 2239	4.1 0.8 4.4 1.0	16 SU	0355 0941 1546 2135	-0.1 4.5 0.2 5.5	24 M	0447 1110 1723 2350	4.6 -0.1 5.6 0.0			

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.