

# AUSTRALIA, EAST COAST – HAY POINT

LAT 21° 16' S LONG 149° 18' E

Times and Heights of High and Low Waters

# 2013

Time Zone +1000

| JANUARY             |   | FEBRUARY            |   | MARCH               |   | APRIL               |   |
|---------------------|---|---------------------|---|---------------------|---|---------------------|---|
| Time                | m | Time                | m | Time                | m | Time                | m |
| <b>1</b> 0033 4.78  |   | <b>16</b> 0145 5.23 |   | <b>1</b> 0032 5.73  |   | <b>1</b> 0153 5.72  |   |
| TU 0636 1.48        |   | WE 0749 1.47        |   | FR 0648 1.38        |   | MO 0830 1.90        |   |
| 1250 5.72           |   | 1357 5.66           |   | 1245 5.66           |   | 1423 4.66           |   |
| 1921 1.62           |   | 2032 1.43           |   | 1905 1.23           |   | 2029 1.77           |   |
| <b>2</b> 0111 4.71  |   | <b>17</b> 0235 4.99 |   | <b>2</b> 0113 5.59  |   | <b>2</b> 0302 5.47  |   |
| WE 0713 1.71        |   | TH 0838 1.96        |   | 0730 1.71           |   | 0952 2.07           |   |
| 1328 5.51           |   | 1445 5.13           |   | SA 1327 5.25        |   | TU 1549 4.44        |   |
| 2002 1.70           |   | 2121 1.74           |   | 1945 1.49           |   | 2154 2.01           |   |
| <b>3</b> 0158 4.64  |   | <b>18</b> 0335 4.78 |   | <b>3</b> 0203 5.40  |   | <b>3</b> 0430 5.39  |   |
| TH 0801 1.97        |   | FR 0940 2.38        |   | 0827 2.06           |   | 1127 1.95           |   |
| 1415 5.28           |   | 1546 4.66           |   | SA 1424 4.81        |   | WE 1727 4.56        |   |
| 2053 1.75           |   | 2225 1.97           |   | 2042 1.78           |   | 2329 1.96           |   |
| <b>4</b> 0300 4.61  |   | <b>19</b> 0454 4.71 |   | <b>4</b> 0314 5.21  |   | <b>4</b> 0600 5.57  |   |
| FR 0905 2.21        |   | SA 1112 2.60        |   | 0952 2.30           |   | TH 1250 1.58        |   |
| 1518 5.04           |   | 1710 4.37           |   | MO 1550 4.49        |   | 1850 4.95           |   |
| 2157 1.74           |   | 2343 2.03           |   | 2206 1.98           |   |                     |   |
| <b>5</b> 0419 4.73  |   | <b>20</b> 0619 4.88 |   | <b>5</b> 0447 5.22  |   | <b>5</b> 0053 1.66  |   |
| SA 1032 2.30        |   | 1248 2.46           |   | 1136 2.21           |   | 0711 5.86           |   |
| 1637 4.91           |   | SU 1839 4.37        |   | TU 1732 4.50        |   | FR 1351 1.19        |   |
| 2313 1.61           |   |                     |   | 2343 1.89           |   | 1951 5.38           |   |
| <b>6</b> 0540 5.06  |   | <b>21</b> 0054 1.89 |   | <b>6</b> 0620 5.51  |   | <b>6</b> 0158 1.33  |   |
| 1202 2.13           |   | 0725 5.20           |   | 1307 1.80           |   | 0806 6.08           |   |
| SU 1755 4.94        |   | MO 1354 2.14        |   | WE 1900 4.84        |   | SA 1441 0.91        |   |
|                     |   | 1944 4.55           |   |                     |   | 2039 5.71           |   |
| <b>7</b> 0023 1.35  |   | <b>22</b> 0149 1.68 |   | <b>7</b> 0106 1.56  |   | <b>7</b> 0251 1.11  |   |
| MO 0651 5.52        |   | TH 0813 5.53        |   | 0732 5.94           |   | 0851 6.16           |   |
| 1318 1.79           |   | TU 1441 1.85        |   | TH 1413 1.33        |   | SU 1522 0.78        |   |
| 1906 5.08           |   | 2031 4.74           |   | 2005 5.26           |   | 2119 5.92           |   |
| <b>8</b> 0126 1.06  |   | <b>23</b> 0233 1.47 |   | <b>8</b> 0213 1.19  |   | <b>8</b> 0335 1.01  |   |
| 0752 6.00           |   | 0853 5.79           |   | 0827 6.30           |   | 0931 6.11           |   |
| TU 1424 1.42        |   | WE 1519 1.63        |   | FR 1503 0.97        |   | MO 1559 0.75        |   |
| 2009 5.25           |   | 2108 4.88           |   | 2055 5.59           |   | 2156 6.05           |   |
| <b>9</b> 0224 0.80  |   | <b>24</b> 0310 1.31 |   | <b>9</b> 0305 0.91  |   | <b>9</b> 0414 1.00  |   |
| WE 0847 6.41        |   | 0927 5.97           |   | 0912 6.50           |   | 1006 5.99           |   |
| 1522 1.09           |   | TH 1553 1.49        |   | SA 1547 0.76        |   | TU 1631 0.77        |   |
| 2105 5.40           |   | 2140 4.98           |   | 2137 5.82           |   | 2230 6.13           |   |
| <b>10</b> 0319 0.58 |   | <b>25</b> 0343 1.19 |   | <b>10</b> 0351 0.75 |   | <b>10</b> 0450 1.06 |   |
| TH 0936 6.72        |   | FR 1625 1.40        |   | 0952 6.55           |   | 1040 5.81           |   |
| 1614 0.84           |   | 2210 5.06           |   | SU 1625 0.68        |   | WE 1701 0.85        |   |
| 2157 5.53           |   |                     |   | 2216 5.97           |   | 2303 6.13           |   |
| <b>11</b> 0409 0.43 |   | <b>26</b> 0414 1.11 |   | <b>11</b> 0431 0.71 |   | <b>11</b> 0523 1.19 |   |
| 1023 6.91           |   | 1027 6.16           |   | 1030 6.49           |   | 1113 5.57           |   |
| FR 1702 0.68        |   | SA 1654 1.33        |   | MO 1700 0.67        |   | TH 1729 1.00        |   |
| 2245 5.62           |   | 2238 5.14           |   | 2251 6.06           |   | 2335 6.04           |   |
| <b>12</b> 0456 0.38 |   | <b>27</b> 0445 1.05 |   | <b>12</b> 0508 0.78 |   | <b>12</b> 0555 1.39 |   |
| 1107 6.96           |   | 1056 6.21           |   | 1105 6.32           |   | 1143 5.27           |   |
| SA 1747 0.63        |   | SU 1724 1.26        |   | TU 1732 0.75        |   | FR 1755 1.22        |   |
| 2332 5.65           |   | 2309 5.23           |   | 2327 6.06           |   |                     |   |
| <b>13</b> 0541 0.45 |   | <b>28</b> 0517 1.03 |   | <b>13</b> 0543 0.95 |   | <b>13</b> 0005 5.86 |   |
| 1151 6.84           |   | 1126 6.22           |   | 1139 6.04           |   | 0626 1.65           |   |
| SU 1828 0.69        |   | MO 1754 1.22        |   | WE 1802 0.91        |   | SA 1212 4.92        |   |
|                     |   | 2341 5.29           |   |                     |   | 1819 1.50           |   |
| <b>14</b> 0016 5.59 |   | <b>29</b> 0550 1.10 |   | <b>14</b> 0001 5.96 |   | <b>14</b> 0036 5.60 |   |
| 0624 0.67           |   | 1157 6.14           |   | 0617 1.23           |   | 0657 1.94           |   |
| MO 1233 6.57        |   | TU 1825 1.24        |   | TH 1211 5.66        |   | SU 1240 4.58        |   |
| 1909 0.87           |   |                     |   | 1830 1.17           |   | 1845 1.82           |   |
| <b>15</b> 0100 5.44 |   | <b>30</b> 0015 5.28 |   | <b>15</b> 0035 5.74 |   | <b>15</b> 0109 5.29 |   |
| 0706 1.02           |   | 0624 1.26           |   | 0649 1.58           |   | 0732 2.24           |   |
| TU 1314 6.16        |   | WE 1229 5.96        |   | FR 1241 5.22        |   | MO 1315 4.24        |   |
| 1949 1.13           |   | 1857 1.31           |   | 1857 1.50           |   | 1916 2.17           |   |
| <b>31</b> 0051 5.22 |   |                     |   | <b>31</b> 0100 5.98 |   | <b>30</b> 0147 6.02 |   |
| 0659 1.50           |   |                     |   | 0730 1.59           |   | 0833 1.57           |   |
| TH 1304 5.70        |   |                     |   | SU 1321 5.06        |   | TU 1425 4.71        |   |
| 1931 1.43           |   |                     |   | 1930 1.41           |   | 2025 1.61           |   |

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Datum of Predictions is Lowest Astronomical Tide  
Moon Symbols



New Moon



First Quarter



Full Moon



Last Quarter

Bureau of Meteorology

National Tidal Centre



# AUSTRALIA, EAST COAST – HAY POINT

LAT 21° 16' S LONG 149° 18' E

Times and Heights of High and Low Waters

# 2013

Time Zone +1000

| SEPTEMBER           |   | OCTOBER             |   | NOVEMBER            |   | DECEMBER            |   |
|---------------------|---|---------------------|---|---------------------|---|---------------------|---|
| Time                | m | Time                | m | Time                | m | Time                | m |
| <b>1</b> 0239 1.46  |   | <b>16</b> 0233 0.82 |   | <b>1</b> 0257 0.76  |   | <b>1</b> 0304 0.59  |   |
| SU 0833 4.77        |   | MO 0825 5.38        |   | FR 0902 5.78        |   | SU 0917 6.26        |   |
| 1434 1.30           |   | MO 1434 0.73        |   | SA 1521 1.04        |   | MO 1545 1.00        |   |
| 2046 5.69           |   | 2044 6.32           |   | 2112 5.69           |   | 2130 5.54           |   |
| <b>2</b> 0312 1.25  |   | <b>17</b> 0319 0.54 |   | <b>2</b> 0333 0.59  |   | <b>2</b> 0347 0.45  |   |
| MO 0905 4.96        |   | 0911 5.67           |   | 0940 6.05           |   | 1000 6.52           |   |
| 1508 1.12           |   | TU 1524 0.53        |   | SA 1602 0.91        |   | MO 1632 0.86        |   |
| 2117 5.84           |   | 2128 6.42           |   | 2151 5.69           |   | 2216 5.53           |   |
| <b>3</b> 0343 1.11  |   | <b>18</b> 0402 0.40 |   | <b>3</b> 0411 0.48  |   | <b>3</b> 0432 0.39  |   |
| 0933 5.11           |   | 0952 5.85           |   | 1018 6.25           |   | 1044 6.67           |   |
| TU 1540 1.00        |   | WE 1609 0.46        |   | 1644 0.85           |   | TU 1721 0.80        |   |
| 2147 5.93           |   | 2207 6.39           |   | ● 2232 5.62         |   | ● 2305 5.47         |   |
| <b>4</b> 0412 1.00  |   | <b>19</b> 0439 0.36 |   | <b>4</b> 0449 0.46  |   | <b>4</b> 0517 0.43  |   |
| 1002 5.25           |   | 1031 5.96           |   | 1058 6.34           |   | 1131 6.69           |   |
| WE 1612 0.92        |   | TH 1649 0.49        |   | MO 1729 0.88        |   | WE 1811 0.82        |   |
| 2216 5.97           |   | ○ 2245 6.24         |   | 2315 5.45           |   | 2355 5.34           |   |
| <b>5</b> 0441 0.90  |   | <b>20</b> 0514 0.41 |   | <b>5</b> 0529 0.56  |   | <b>5</b> 0604 0.59  |   |
| 1032 5.38           |   | 1109 5.99           |   | 1141 6.31           |   | 1219 6.58           |   |
| TH 1644 0.88        |   | FR 1728 0.65        |   | TU 1816 1.02        |   | TH 1902 0.92        |   |
| ● 2246 5.97         |   | 2322 5.97           |   | <b>20</b> 0548 1.29 |   | <b>20</b> 0558 1.39 |   |
| <b>6</b> 0510 0.83  |   | <b>21</b> 0547 0.56 |   | <b>6</b> 0611 0.78  |   | <b>6</b> 0653 0.85  |   |
| 1103 5.48           |   | 1146 5.90           |   | WE 1226 6.16        |   | FR 1309 6.34        |   |
| FR 1718 0.91        |   | SA 1805 0.91        |   | 1906 1.22           |   | 1954 1.07           |   |
| 2317 5.88           |   | 2359 5.59           |   | <b>21</b> 0018 4.48 |   | <b>21</b> 0029 4.59 |   |
| <b>7</b> 0541 0.83  |   | <b>22</b> 0619 0.82 |   | <b>7</b> 0052 4.90  |   | <b>7</b> 0144 4.99  |   |
| 1136 5.51           |   | 1224 5.68           |   | 0658 1.08           |   | 0747 1.18           |   |
| SA 1753 1.04        |   | SU 1842 1.28        |   | TH 1318 5.91        |   | SA 1405 6.03        |   |
| 2349 5.69           |   | <b>23</b> 0034 5.12 |   | 2003 1.42           |   | 2051 1.22           |   |
| <b>8</b> 0611 0.91  |   | <b>23</b> 0650 1.18 |   | <b>8</b> 0153 4.63  |   | <b>8</b> 0247 4.85  |   |
| 1212 5.46           |   | 0650 1.18           |   | 0754 1.42           |   | 0848 1.51           |   |
| SU 1828 1.26        |   | MO 1301 5.37        |   | FR 1420 5.66        |   | SU 1505 5.71        |   |
|                     |   | 1920 1.70           |   | 2110 1.55           |   | 2152 1.32           |   |
| <b>9</b> 0024 5.40  |   | <b>24</b> 0109 4.62 |   | <b>9</b> 0305 4.49  |   | <b>9</b> 0357 4.83  |   |
| 0643 1.08           |   | 0722 1.60           |   | 0905 1.69           |   | 0959 1.77           |   |
| MO 1249 5.34        |   | TU 1342 5.01        |   | SA 1532 5.48        |   | MO 1615 5.45        |   |
| 1908 1.55           |   | 2004 2.12           |   | 2225 1.51           |   | 2300 1.32           |   |
| <b>10</b> 0102 5.04 |   | <b>25</b> 0151 4.14 |   | <b>10</b> 0428 4.56 |   | <b>10</b> 0515 4.96 |   |
| 0720 1.31           |   | WE 1437 4.66        |   | 1028 1.78           |   | 1120 1.87           |   |
| TU 1335 5.17        |   | 2109 2.45           |   | SU 1651 5.44        |   | TU 1729 5.29        |   |
| 1958 1.86           |   | <b>26</b> 0301 3.76 |   | ● 2340 1.32         |   | ● 2306 2.07         |   |
| <b>11</b> 0152 4.64 |   | <b>26</b> 0908 2.39 |   | <b>11</b> 0550 4.87 |   | <b>11</b> 0521 4.18 |   |
| 0810 1.57           |   | TH 1601 4.46        |   | 1152 1.66           |   | 1118 2.47           |   |
| WE 1438 5.00        |   | 2301 2.50           |   | MO 1806 5.53        |   | TU 1727 4.78        |   |
| 2112 2.11           |   | <b>27</b> 0503 3.69 |   | ● 2127 4.78         |   | ● 1838 5.23         |   |
| <b>12</b> 0308 4.31 |   | <b>27</b> 1104 2.47 |   | <b>12</b> 0046 1.05 |   | <b>12</b> 0110 1.09 |   |
| 0926 1.78           |   | FR 1739 4.57        |   | 0657 5.27           |   | 0728 5.57           |   |
| TH 1606 4.98        |   | ● 2251 2.08         |   | TU 1305 1.42        |   | TH 1347 1.60        |   |
| 2251 2.08           |   | <b>28</b> 0029 2.21 |   | 1909 5.63           |   | 1939 5.21           |   |
| <b>13</b> 0448 4.26 |   | <b>28</b> 0636 4.01 |   | <b>13</b> 0142 0.81 |   | <b>13</b> 0203 0.98 |   |
| 1102 1.74           |   | SA 1228 2.19        |   | 0751 5.64           |   | 0819 5.84           |   |
| FR 1739 5.23        |   | 1845 4.89           |   | WE 1405 1.21        |   | FR 1442 1.43        |   |
| ● 2112 2.11         |   | <b>29</b> 0121 1.84 |   | 2001 5.65           |   | 2030 5.19           |   |
| <b>14</b> 0025 1.73 |   | <b>29</b> 0724 4.40 |   | <b>14</b> 0229 0.67 |   | <b>14</b> 0248 0.92 |   |
| 0621 4.55           |   | SU 1320 1.83        |   | 0837 5.90           |   | 0902 6.02           |   |
| SA 1226 1.44        |   | 1930 5.23           |   | TH 1455 1.09        |   | SA 1528 1.33        |   |
| 1855 5.66           |   | <b>30</b> 0159 1.50 |   | 2046 5.59           |   | 2114 5.13           |   |
| <b>15</b> 0137 1.24 |   | <b>30</b> 0800 4.76 |   | <b>15</b> 0311 0.64 |   | <b>15</b> 0328 0.91 |   |
| 0731 4.99           |   | MO 1400 1.51        |   | 0917 6.05           |   | 0940 6.11           |   |
| SU 1337 1.05        |   | 2007 5.50           |   | FR 1540 1.06        |   | SU 1609 1.30        |   |
| 1955 6.06           |   | <b>31</b> 0222 1.00 |   | 2128 5.46           |   | 2153 5.06           |   |
|                     |   | 0827 5.46           |   | <b>30</b> 0221 0.81 |   | <b>30</b> 0241 0.72 |   |
|                     |   | TH 1440 1.24        |   | SA 1457 1.21        |   | MO 1531 1.09        |   |
|                     |   | 2034 5.61           |   | 2045 5.49           |   | 2115 5.46           |   |
|                     |   |                     |   |                     |   | <b>31</b> 0331 0.51 |   |
|                     |   |                     |   |                     |   | 0947 6.69           |   |
|                     |   |                     |   |                     |   | TU 1622 0.85        |   |
|                     |   |                     |   |                     |   | 2206 5.56           |   |

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Datum of Predictions is Lowest Astronomical Tide  
Moon Symbols



New Moon



First Quarter



Full Moon



Last Quarter

Bureau of Meteorology

National Tidal Centre