

# AUSTRALIA, EAST COAST – ROSSLYN BAY

LAT 23° 10' S LONG 150° 48' E

Times and Heights of High and Low Waters

# 2013

Time Zone +1000

## JANUARY

| Time                | m | Time                | m |
|---------------------|---|---------------------|---|
| <b>1</b> 0446 1.02  |   | <b>16</b> 0600 1.06 |   |
| 1113 4.19           |   | 1218 4.16           |   |
| TU 1742 1.08        |   | WE 1850 0.96        |   |
| 2329 3.40           |   |                     |   |
| <b>2</b> 0524 1.19  |   | <b>17</b> 0047 3.64 |   |
| 1153 4.06           |   | 0650 1.41           |   |
| WE 1822 1.13        |   | TH 1304 3.79        |   |
|                     |   | 1936 1.20           |   |
| <b>3</b> 0014 3.36  |   | <b>18</b> 0145 3.49 |   |
| 0614 1.39           |   | 0755 1.73           |   |
| TH 1239 3.90        |   | FR 1400 3.45        |   |
| 1910 1.18           |   | 2034 1.40           |   |
| <b>4</b> 0113 3.34  |   | <b>19</b> 0255 3.40 |   |
| 0722 1.59           |   | 0922 1.91           |   |
| FR 1336 3.73        |   | SA 1509 3.19        |   |
| 2008 1.21           |   | 2144 1.51           |   |
| <b>5</b> 0227 3.38  |   | <b>20</b> 0418 3.44 |   |
| 0847 1.68           |   | 1050 1.89           |   |
| SA 1443 3.58        |   | SU 1629 3.08        |   |
| 2116 1.19           |   | 2255 1.49           |   |
| <b>6</b> 0347 3.55  |   | <b>21</b> 0531 3.63 |   |
| 1012 1.60           |   | 1205 1.71           |   |
| SU 1556 3.51        |   | MO 1742 3.14        |   |
| 2227 1.08           |   | 2356 1.36           |   |
| <b>7</b> 0506 3.85  |   | <b>22</b> 0624 3.86 |   |
| 1130 1.39           |   | 1257 1.51           |   |
| MO 1709 3.54        |   | TU 1836 3.27        |   |
| 2334 0.90           |   |                     |   |
| <b>8</b> 0611 4.21  |   | <b>23</b> 0045 1.20 |   |
| 1238 1.11           |   | 0705 4.07           |   |
| TU 1817 3.65        |   | WE 1337 1.32        |   |
|                     |   | 1919 3.39           |   |
| <b>9</b> 0034 0.70  |   | <b>24</b> 0123 1.05 |   |
| 0704 4.55           |   | 0741 4.24           |   |
| WE 1337 0.84        |   | TH 1411 1.18        |   |
| 1914 3.78           |   | 1956 3.50           |   |
| <b>10</b> 0128 0.50 |   | <b>25</b> 0158 0.92 |   |
| 0752 4.81           |   | 0814 4.36           |   |
| TH 1430 0.61        |   | FR 1443 1.08        |   |
| 2006 3.90           |   | 2028 3.59           |   |
| <b>11</b> 0219 0.35 |   | <b>26</b> 0229 0.82 |   |
| 0839 4.98           |   | 0845 4.44           |   |
| FR 1519 0.46        |   | SA 1513 0.99        |   |
| 2055 3.99           |   | 2058 3.66           |   |
| <b>12</b> 0306 0.29 |   | <b>27</b> 0300 0.76 |   |
| 0924 5.03           |   | 0915 4.49           |   |
| SA 1605 0.40        |   | SU 1543 0.92        |   |
| 2142 4.02           |   | 2129 3.73           |   |
| <b>13</b> 0351 0.34 |   | <b>28</b> 0341 0.74 |   |
| 1009 4.95           |   | 0945 4.51           |   |
| SU 1649 0.43        |   | MO 1613 0.87        |   |
| 2228 4.00           |   | 2201 3.78           |   |
| <b>14</b> 0434 0.49 |   | <b>29</b> 0402 0.77 |   |
| 1053 4.77           |   | 1018 4.46           |   |
| MO 1730 0.55        |   | TU 1643 0.85        |   |
| 2313 3.92           |   | 2235 3.80           |   |
| <b>15</b> 0516 0.74 |   | <b>30</b> 0435 0.87 |   |
| 1135 4.49           |   | 1051 4.35           |   |
| TU 1809 0.74        |   | WE 1715 0.88        |   |
| 2358 3.80           |   | 2310 3.79           |   |
| <b>31</b> 0512 1.03 |   |                     |   |
| 1127 4.18           |   |                     |   |
| TH 1750 0.95        |   |                     |   |
| 2352 3.75           |   |                     |   |

## FEBRUARY

| Time                | m | Time                | m |
|---------------------|---|---------------------|---|
| <b>1</b> 0556 1.25  |   | <b>16</b> 0054 3.65 |   |
| 1209 3.96           |   | 0659 1.73           |   |
| FR 1831 1.06        |   | SA 1302 3.30        |   |
|                     |   | 1923 1.55           |   |
| <b>2</b> 0044 3.68  |   | <b>17</b> 0156 3.45 |   |
| 0657 1.49           |   | 0818 1.99           |   |
| SA 1303 3.70        |   | SU 1413 3.00        |   |
| 1926 1.20           |   | 2036 1.77           |   |
| <b>3</b> 0151 3.62  |   | <b>18</b> 0317 3.35 |   |
| 0819 1.67           |   | 1002 2.04           |   |
| SU 1413 3.46        |   | MO 1546 2.87        |   |
| 2037 1.31           |   | 2209 1.81           |   |
| <b>4</b> 0316 3.65  |   | <b>19</b> 0447 3.45 |   |
| 0952 1.67           |   | 1134 1.86           |   |
| MO 1536 3.33        |   | TU 1718 2.98        |   |
| 2200 1.31           |   | 2324 1.66           |   |
| <b>5</b> 0448 3.86  |   | <b>20</b> 0553 3.69 |   |
| 1122 1.47           |   | 1231 1.61           |   |
| TU 1703 3.38        |   | WE 1818 3.18        |   |
| 2320 1.15           |   |                     |   |
| <b>6</b> 0601 4.20  |   | <b>21</b> 0020 1.43 |   |
| 1235 1.15           |   | 0638 3.94           |   |
| WE 1814 3.57        |   | TH 1310 1.39        |   |
|                     |   | 1859 3.39           |   |
| <b>7</b> 0028 0.90  |   | <b>22</b> 0101 1.21 |   |
| 0656 4.53           |   | 0715 4.15           |   |
| TH 1330 0.85        |   | FR 1343 1.20        |   |
| 1909 3.79           |   | 1933 3.57           |   |
| <b>8</b> 0124 0.66  |   | <b>23</b> 0136 1.02 |   |
| 0742 4.77           |   | 0747 4.31           |   |
| FR 1418 0.62        |   | SA 1413 1.04        |   |
| 1957 3.97           |   | 2004 3.72           |   |
| <b>9</b> 0213 0.48  |   | <b>24</b> 0209 0.87 |   |
| 0826 4.90           |   | 0817 4.43           |   |
| SA 1502 0.48        |   | SU 1443 0.90        |   |
| 2042 4.11           |   | 2034 3.86           |   |
| <b>10</b> 0256 0.39 |   | <b>25</b> 0241 0.75 |   |
| 0907 4.93           |   | 0848 4.51           |   |
| SU 1543 0.42        |   | MO 1513 0.78        |   |
| 2124 4.20           |   | 2106 4.00           |   |
| <b>11</b> 0338 0.41 |   | <b>26</b> 0314 0.68 |   |
| 0947 4.84           |   | 0920 4.53           |   |
| MO 1621 0.45        |   | TU 1543 0.69        |   |
| 2206 4.21           |   | 2140 4.11           |   |
| <b>12</b> 0416 0.54 |   | <b>27</b> 0349 0.68 |   |
| 1025 4.64           |   | 0953 4.49           |   |
| TU 1656 0.58        |   | WE 1615 0.67        |   |
| 2246 4.16           |   | 2216 4.17           |   |
| <b>13</b> 0452 0.77 |   | <b>28</b> 0425 0.77 |   |
| 1101 4.36           |   | 1028 4.35           |   |
| WE 1728 0.77        |   | TH 1647 0.71        |   |
| 2325 4.04           |   | 2254 4.16           |   |
| <b>14</b> 0529 1.06 |   | <b>29</b> 0529 1.06 |   |
| 1137 4.02           |   | 1137 4.02           |   |
| TH 1800 1.00        |   |                     |   |
| <b>15</b> 0006 3.86 |   | <b>30</b> 0006 3.86 |   |
| 0608 1.39           |   | 0608 1.39           |   |
| FR 1215 3.66        |   | 1215 3.66           |   |
| 1837 1.28           |   |                     |   |

## MARCH

| Time                | m | Time                | m |
|---------------------|---|---------------------|---|
| <b>1</b> 0504 0.93  |   | <b>16</b> 0536 1.36 |   |
| 1106 4.14           |   | 1132 3.50           |   |
| FR 1722 0.83        |   | SA 1741 1.29        |   |
| 2336 4.10           |   |                     |   |
| <b>2</b> 0550 1.15  |   | <b>17</b> 0009 3.81 |   |
| 1149 3.87           |   | 0619 1.64           |   |
| SA 1802 1.01        |   | SU 1209 3.19        |   |
|                     |   | 1817 1.58           |   |
| <b>3</b> 0027 3.98  |   | <b>18</b> 0101 3.57 |   |
| 0649 1.41           |   | 0720 1.90           |   |
| SU 1245 3.57        |   | MO 1312 2.90        |   |
| 1857 1.23           |   | 1919 1.85           |   |
| <b>4</b> 0132 3.84  |   | <b>19</b> 0215 3.38 |   |
| 0809 1.61           |   | 0858 2.03           |   |
| MO 1358 3.30        |   | TU 1456 2.76        |   |
| 2013 1.44           |   | 2105 1.99           |   |
| <b>5</b> 0258 3.77  |   | <b>20</b> 0342 3.36 |   |
| 0945 1.62           |   | 1037 1.92           |   |
| TU 1531 3.20        |   | WE 1639 2.86        |   |
| 2146 1.48           |   | 2239 1.88           |   |
| <b>6</b> 0434 3.91  |   | <b>21</b> 0501 3.53 |   |
| 1117 1.39           |   | 1146 1.67           |   |
| WE 1704 3.34        |   | TH 1748 3.11        |   |
| 2315 1.30           |   | 2342 1.63           |   |
| <b>7</b> 0548 4.19  |   | <b>22</b> 0556 3.77 |   |
| 1224 1.07           |   | 1228 1.41           |   |
| TH 1811 3.62        |   | FR 1830 3.38        |   |
| <b>8</b> 0024 1.03  |   | <b>23</b> 0028 1.37 |   |
| 0642 4.46           |   | 0636 4.00           |   |
| FR 1315 0.80        |   | SA 1303 1.17        |   |
| 1902 3.88           |   | 1904 3.62           |   |
| <b>9</b> 0116 0.79  |   | <b>24</b> 0106 1.14 |   |
| 0727 4.63           |   | 0711 4.18           |   |
| SA 1358 0.61        |   | SU 1335 0.97        |   |
| 1945 4.08           |   | 1934 3.84           |   |
| <b>10</b> 0202 0.63 |   | <b>25</b> 0142 0.94 |   |
| 0808 4.69           |   | 0743 4.32           |   |
| SU 1438 0.51        |   | MO 1406 0.78        |   |
| 2025 4.24           |   | 2006 4.06           |   |
| <b>11</b> 0243 0.56 |   | <b>26</b> 0218 0.78 |   |
| 0846 4.66           |   | 0816 4.40           |   |
| MO 1514 0.48        |   | TU 1438 0.63        |   |
| 2105 4.33           |   | 2039 4.25           |   |
| <b>12</b> 0321 0.58 |   | <b>27</b> 0255 0.67 |   |
| 0922 4.55           |   | 0851 4.43           |   |
| TU 1547 0.52        |   | WE 1511 0.53        |   |
| 2142 4.36           |   | 2117 4.40           |   |
| <b>13</b> 0357 0.69 |   | <b>28</b> 0336 0.64 |   |
| 0957 4.36           |   | 0928 4.37           |   |
| WE 1618 0.64        |   | TH 1545 0.50        |   |
| 2218 4.32           |   | 2157 4.49           |   |
| <b>14</b> 0430 0.86 |   | <b>29</b> 0417 0.69 |   |
| 1029 4.10           |   | 1009 4.22           |   |
| TH 1645 0.81        |   | FR 1621 0.58        |   |
| 2254 4.20           |   | 2239 4.48           |   |
| <b>15</b> 0502 1.09 |   | <b>30</b> 0501 0.83 |   |
| 1100 3.81           |   | 1051 3.99           |   |
| FR 1713 1.04        |   | SA 1700 0.74        |   |
| 2329 4.03           |   | 2325 4.38           |   |
| <b>31</b> 0552 1.04 |   |                     |   |
| 1141 3.71           |   |                     |   |
| SU 1744 0.98        |   |                     |   |

## APRIL

| Time                | m | Time                | m |
|---------------------|---|---------------------|---|
| <b>1</b> 0019 4.22  |   | <b>16</b> 0019 3.71 |   |
| 0652 1.26           |   | 0643 1.70           |   |
| MO 1240 3.43        |   | TU 1227 2.91        |   |
| 1842 1.25           |   | 1819 1.76           |   |
| <b>2</b> 0123 4.03  |   | <b>17</b> 0118 3.51 |   |
| 0808 1.42           |   | 0754 1.84           |   |
| TU 1356 3.22        |   | WE 1356 2.76        |   |
| 2002 1.48           |   | 1951 1.96           |   |
| <b>3</b> 0244 3.91  |   | <b>18</b> 0236 3.41 |   |
| 0936 1.42           |   | 0923 1.82           |   |
| WE 1531 3.20        |   | TH 1534 2.81        |   |
| 2138 1.52           |   | 2134 1.95           |   |
| <b>4</b> 0413 3.97  |   | <b>19</b> 0352 3.46 |   |
| 1059 1.22           |   | 1038 1.65           |   |
| TH 1657 3.41        |   | FR 1653 3.04        |   |
| 2305 1.35           |   | 2250 1.76           |   |
| <b>5</b> 0525 4.13  |   | <b>20</b> 0455 3.63 |   |
| 1202 0.97           |   | 1132 1.39           |   |
| FR 1758 3.70        |   | SA 1746 3.34        |   |
|                     |   | 2345 1.50           |   |
| <b>6</b> 0010 1.12  |   | <b>21</b> 0544 3.82 |   |
| 0619 4.29           |   | 1213 1.13           |   |
| SA 1250 0.76        |   | SU 1824 3.64        |   |
| 1847 3.96           |   |                     |   |
| <b>7</b> 0102 0.93  |   | <b>22</b> 0030 1.25 |   |
| 0704 4.36           |   | 0625 3.99           |   |
| SU 1332 0.63        |   | MO 1250 0.89        |   |
| 1928 4.16           |   | 1859 3.93           |   |
| <b>8</b> 0147 0.82  |   | <b>23</b> 0112 1.02 |   |
| 0744 4.35           |   | 0704 4.13           |   |
| MO 1409 0.57        |   | TU 1326 0.67        |   |
| 2006 4.30           |   | 1935 4.20           |   |
| <b>9</b> 0227 0.77  |   | <b>24</b> 0154 0.82 |   |
| 0821 4.28           |   | 0742 4.21           |   |
| TU 1443 0.56        |   | WE 1402 0.50        |   |
| 2043 4.39           |   | 2013 4.45           |   |
| <b>10</b> 0305 0.79 |   | <b>25</b> 0237 0.68 |   |
| 0856 4.16           |   | 0823 4.23           |   |
| WE 1513 0.61        |   | TH 1441 0.40        |   |
| 2119 4.42           |   | 2054 4.63           |   |
| <b>11</b> 0338 0.85 |   | <b>26</b> 0323 0.60 |   |
| 0930 4.00           |   | 0907 4.17           |   |
| TH 1541 0.71        |   | FR 1520 0.38        |   |
| 2153 4.38           |   | 2139 4.72           |   |
| <b>12</b> 0410 0.97 |   | <b>27</b> 0411 0.60 |   |
| 1001 3.80           |   | 0954 4.04           |   |
| FR 1608 0.85        |   | SA 1602 0.47        |   |
| 2226 4.28           |   | 2226 4.71           |   |
| <b>13</b> 0442 1.12 |   | <b>28</b> 0501 0.69 |   |
| 1030 3.58           |   | 1044 3.85           |   |
| SA 1633 1.04        |   | SU 1646 0.65        |   |
| 2259 4.13           |   | 2317 4.60           |   |
| <b>14</b> 0515 1.30 |   | <b>29</b> 0554 0.84 |   |
| 1101 3.35           |   | 1137 3.63           |   |
| SU 1700 1.25        |   | MO 1736 0.90        |   |
| 2334 3.93           |   |                     |   |
| <b>15</b> 0553 1.50 |   | <b>30</b> 0012 4.42 |   |
| 1136 3.12           |   | 0653 1.01           |   |
| MO 1732 1.50        |   | TU 1238 3.42        |   |
|                     |   | 1837 1.17           |   |



New Moon



First Quarter



Full Moon



Last Quarter

# AUSTRALIA, EAST COAST – ROSSLYN BAY

LAT 23° 10' S LONG 150° 48' E

Times and Heights of High and Low Waters

# 2013

Time Zone +1000

| MAY                                                           |                                                               | JUNE                                                          |                                                               | JULY                                                          |                                                               | AUGUST                                                        |                                                               |
|---------------------------------------------------------------|---------------------------------------------------------------|---------------------------------------------------------------|---------------------------------------------------------------|---------------------------------------------------------------|---------------------------------------------------------------|---------------------------------------------------------------|---------------------------------------------------------------|
| Time                                                          | m                                                             | Time                                                          | m                                                             | Time                                                          | m                                                             | Time                                                          | m                                                             |
| <b>1</b> 0113 4.21<br>WE 1350 3.28<br>1953 1.40               | <b>16</b> 0037 3.69<br>TH 1302 2.89<br>1854 1.76              | <b>1</b> 0305 3.88<br>0946 1.00<br>SA 1559 3.51<br>2212 1.44  | <b>16</b> 0146 3.60<br>0822 1.30<br>SU 1439 3.14<br>2049 1.70 | <b>1</b> 0328 3.43<br>1004 1.09<br>MO 1630 3.56<br>2254 1.56  | <b>16</b> 0203 3.45<br>0836 1.13<br>TU 1505 3.40<br>2130 1.59 | <b>1</b> 0522 2.99<br>1135 1.23<br>TH 1803 3.74               | <b>16</b> 0423 3.16<br>1039 1.05<br>FR 1723 3.95              |
| <b>2</b> 0226 4.04<br>0915 1.16<br>TH 1515 3.30<br>2121 1.47  | <b>17</b> 0137 3.56<br>0815 1.59<br>FR 1425 2.89<br>2024 1.85 | <b>2</b> 0412 3.74<br>1047 0.97<br>SU 1706 3.68<br>2323 1.38  | <b>17</b> 0250 3.52<br>0926 1.21<br>MO 1550 3.33<br>2207 1.60 | <b>2</b> 0438 3.29<br>1106 1.09<br>TU 1734 3.73               | <b>17</b> 0317 3.34<br>0947 1.07<br>WE 1623 3.62<br>2252 1.42 | <b>2</b> 0043 1.36<br>0619 3.11<br>FR 1227 1.09<br>1847 3.93  | <b>17</b> 0000 1.09<br>0540 3.34<br>SA 1151 0.81<br>1824 4.29 |
| <b>3</b> 0343 3.97<br>1028 1.07<br>FR 1635 3.49<br>2243 1.38  | <b>18</b> 0245 3.51<br>0925 1.51<br>SA 1544 3.04<br>2147 1.77 | <b>3</b> 0514 3.65<br>1142 0.91<br>MO 1801 3.88               | <b>18</b> 0355 3.52<br>1028 1.05<br>TU 1656 3.63<br>2316 1.39 | <b>3</b> 0004 1.45<br>0543 3.25<br>WE 1201 1.03<br>1826 3.91  | <b>18</b> 0432 3.34<br>1056 0.92<br>TH 1734 3.95              | <b>3</b> 0125 1.18<br>0704 3.24<br>SA 1309 0.95<br>1925 4.09  | <b>18</b> 0059 0.75<br>0638 3.58<br>SU 1250 0.56<br>1913 4.58 |
| <b>4</b> 0453 3.98<br>1129 0.92<br>SA 1736 3.74<br>2349 1.23  | <b>19</b> 0350 3.56<br>1027 1.32<br>SU 1648 3.31<br>2255 1.58 | <b>4</b> 0023 1.28<br>0608 3.60<br>TU 1230 0.85<br>1847 4.05  | <b>19</b> 0458 3.57<br>1124 0.85<br>WE 1754 3.97              | <b>4</b> 0059 1.30<br>0636 3.28<br>TH 1247 0.96<br>1908 4.06  | <b>19</b> 0005 1.15<br>0542 3.44<br>FR 1159 0.72<br>1833 4.29 | <b>4</b> 0159 1.03<br>0740 3.36<br>SU 1344 0.84<br>1959 4.20  | <b>19</b> 0149 0.47<br>0728 3.81<br>MO 1342 0.35<br>1958 4.76 |
| <b>5</b> 0549 4.00<br>1219 0.79<br>SU 1826 3.97               | <b>20</b> 0447 3.66<br>1119 1.08<br>MO 1740 3.63<br>2351 1.33 | <b>5</b> 0113 1.19<br>0654 3.57<br>WE 1311 0.81<br>1927 4.19  | <b>20</b> 0018 1.14<br>0557 3.65<br>TH 1218 0.64<br>1845 4.30 | <b>5</b> 0143 1.17<br>0720 3.33<br>FR 1328 0.88<br>1946 4.18  | <b>20</b> 0107 0.85<br>0643 3.60<br>SA 1257 0.51<br>1923 4.60 | <b>5</b> 0229 0.93<br>0814 3.44<br>MO 1417 0.75<br>2031 4.27  | <b>20</b> 0234 0.27<br>0815 3.98<br>TU 1430 0.22<br>2041 4.83 |
| <b>6</b> 0044 1.10<br>0637 3.99<br>MO 1302 0.71<br>1908 4.15  | <b>21</b> 0538 3.78<br>1205 0.84<br>TU 1824 3.97              | <b>6</b> 0157 1.11<br>0737 3.54<br>TH 1347 0.79<br>2003 4.28  | <b>21</b> 0116 0.88<br>0653 3.74<br>FR 1309 0.46<br>1934 4.60 | <b>6</b> 0220 1.07<br>0758 3.37<br>SA 1403 0.83<br>2020 4.25  | <b>21</b> 0202 0.58<br>0737 3.76<br>SU 1350 0.32<br>2011 4.82 | <b>6</b> 0259 0.84<br>0846 3.51<br>TU 1447 0.69<br>2101 4.31  | <b>21</b> 0317 0.16<br>0900 4.09<br>WE 1515 0.20<br>2124 4.77 |
| <b>7</b> 0130 1.02<br>0718 3.94<br>TU 1339 0.68<br>1947 4.28  | <b>22</b> 0042 1.09<br>0626 3.89<br>WE 1248 0.62<br>1906 4.29 | <b>7</b> 0235 1.06<br>0815 3.51<br>FR 1420 0.79<br>2039 4.32  | <b>22</b> 0210 0.65<br>0747 3.83<br>SA 1400 0.32<br>2022 4.81 | <b>7</b> 0253 1.00<br>0834 3.40<br>SU 1434 0.79<br>2053 4.29  | <b>22</b> 0252 0.36<br>0827 3.88<br>MO 1441 0.20<br>2058 4.94 | <b>7</b> 0328 0.78<br>0916 3.57<br>WE 1517 0.67<br>2131 4.30  | <b>22</b> 0358 0.15<br>0945 4.14<br>TH 1557 0.30<br>2204 4.60 |
| <b>8</b> 0212 0.97<br>0757 3.87<br>WE 1413 0.68<br>2022 4.36  | <b>23</b> 0131 0.86<br>0713 3.97<br>TH 1332 0.44<br>1950 4.56 | <b>8</b> 0309 1.02<br>0851 3.47<br>SA 1451 0.80<br>2112 4.32  | <b>23</b> 0304 0.47<br>0839 3.88<br>SU 1450 0.24<br>2112 4.94 | <b>8</b> 0324 0.95<br>0907 3.42<br>MO 1505 0.77<br>2125 4.30  | <b>23</b> 0340 0.23<br>0917 3.97<br>TU 1529 0.18<br>2145 4.93 | <b>8</b> 0356 0.73<br>0947 3.61<br>TH 1547 0.70<br>2200 4.26  | <b>23</b> 0437 0.25<br>1028 4.10<br>FR 1639 0.50<br>2244 4.32 |
| <b>9</b> 0249 0.96<br>0834 3.78<br>TH 1443 0.71<br>2058 4.39  | <b>24</b> 0222 0.68<br>0801 4.00<br>FR 1416 0.33<br>2036 4.76 | <b>9</b> 0341 1.02<br>0925 3.42<br>SU 1521 0.85<br>2145 4.29  | <b>24</b> 0355 0.35<br>0931 3.90<br>MO 1540 0.25<br>2202 4.94 | <b>9</b> 0353 0.92<br>0938 3.42<br>TU 1535 0.79<br>2155 4.27  | <b>24</b> 0425 0.19<br>1006 3.99<br>WE 1615 0.27<br>2230 4.79 | <b>9</b> 0424 0.71<br>1018 3.63<br>FR 1619 0.78<br>2230 4.15  | <b>24</b> 0513 0.44<br>1112 4.00<br>SA 1719 0.79<br>2323 3.96 |
| <b>10</b> 0323 0.98<br>0908 3.68<br>FR 1512 0.77<br>2131 4.37 | <b>25</b> 0312 0.55<br>0851 3.98<br>SA 1502 0.30<br>2124 4.87 | <b>10</b> 0411 1.03<br>0957 3.37<br>MO 1550 0.91<br>2216 4.22 | <b>25</b> 0444 0.32<br>1023 3.87<br>TU 1629 0.36<br>2251 4.84 | <b>10</b> 0423 0.91<br>1009 3.42<br>WE 1604 0.84<br>2226 4.21 | <b>25</b> 0508 0.26<br>1054 3.96<br>TH 1700 0.47<br>2315 4.54 | <b>10</b> 0453 0.74<br>1052 3.62<br>SA 1653 0.92<br>2303 3.99 | <b>25</b> 0548 0.69<br>1156 3.83<br>SU 1802 1.13              |
| <b>11</b> 0355 1.02<br>0941 3.55<br>SA 1540 0.87<br>2204 4.29 | <b>26</b> 0404 0.49<br>0943 3.92<br>SU 1549 0.36<br>2215 4.86 | <b>11</b> 0442 1.07<br>1027 3.30<br>TU 1618 1.01<br>2249 4.12 | <b>26</b> 0533 0.38<br>1115 3.80<br>WE 1718 0.56<br>2341 4.62 | <b>11</b> 0452 0.92<br>1040 3.40<br>TH 1635 0.94<br>2257 4.11 | <b>26</b> 0550 0.42<br>1142 3.86<br>FR 1746 0.76<br>2359 4.20 | <b>11</b> 0524 0.80<br>1130 3.59<br>SU 1733 1.11<br>2340 3.79 | <b>26</b> 0003 3.57<br>0626 0.97<br>MO 1245 3.62<br>1854 1.47 |
| <b>12</b> 0426 1.10<br>1012 3.42<br>SU 1606 1.00<br>2236 4.17 | <b>27</b> 0456 0.51<br>1035 3.81<br>MO 1638 0.52<br>2306 4.76 | <b>12</b> 0515 1.13<br>1059 3.23<br>WE 1650 1.14<br>2323 4.00 | <b>27</b> 0621 0.52<br>1208 3.70<br>TH 1809 0.83              | <b>12</b> 0523 0.96<br>1115 3.37<br>FR 1709 1.08<br>2332 3.97 | <b>27</b> 0631 0.64<br>1231 3.72<br>SA 1835 1.11              | <b>12</b> 0602 0.90<br>1217 3.54<br>MO 1825 1.32              | <b>27</b> 0052 3.19<br>0713 1.27<br>TU 1345 3.42<br>2008 1.73 |
| <b>13</b> 0458 1.20<br>1042 3.28<br>MO 1635 1.16<br>2310 4.03 | <b>28</b> 0548 0.60<br>1130 3.67<br>TU 1730 0.74              | <b>13</b> 0551 1.20<br>1137 3.16<br>TH 1728 1.31              | <b>28</b> 0031 4.34<br>0709 0.70<br>FR 1304 3.59<br>1907 1.14 | <b>13</b> 0558 1.01<br>1155 3.33<br>SA 1751 1.26              | <b>28</b> 0045 3.82<br>0716 0.89<br>SU 1326 3.56<br>1935 1.44 | <b>13</b> 0028 3.54<br>0652 1.03<br>TU 1318 3.49<br>1939 1.51 | <b>28</b> 0204 2.87<br>0824 1.50<br>WE 1500 3.31<br>2146 1.80 |
| <b>14</b> 0534 1.33<br>1116 3.14<br>TU 1707 1.35<br>2348 3.86 | <b>29</b> 0000 4.57<br>0643 0.73<br>WE 1228 3.53<br>1828 1.00 | <b>14</b> 0002 3.86<br>0633 1.27<br>FR 1224 3.09<br>1817 1.49 | <b>29</b> 0124 4.01<br>0802 0.88<br>SA 1406 3.50<br>2016 1.40 | <b>14</b> 0011 3.81<br>0640 1.06<br>SU 1245 3.30<br>1847 1.45 | <b>29</b> 0139 3.44<br>0811 1.13<br>MO 1431 3.44<br>2055 1.67 | <b>14</b> 0133 3.30<br>0758 1.14<br>WE 1436 3.49<br>2109 1.57 | <b>29</b> 0330 2.73<br>0952 1.56<br>TH 1625 3.37<br>2318 1.65 |
| <b>15</b> 0616 1.46<br>1200 3.00<br>WE 1748 1.56              | <b>30</b> 0057 4.33<br>0739 0.87<br>TH 1332 3.43<br>1935 1.25 | <b>15</b> 0050 3.72<br>0723 1.31<br>SA 1325 3.07<br>1927 1.65 | <b>30</b> 0222 3.69<br>0900 1.02<br>SU 1516 3.48<br>2136 1.55 | <b>15</b> 0101 3.62<br>0732 1.12<br>MO 1349 3.31<br>2004 1.59 | <b>30</b> 0245 3.13<br>0918 1.29<br>TU 1548 3.42<br>2224 1.71 | <b>15</b> 0255 3.14<br>0919 1.17<br>TH 1603 3.64<br>2241 1.40 | <b>30</b> 0503 2.82<br>1107 1.44<br>FR 1732 3.57              |
|                                                               | <b>31</b> 0158 4.08<br>0842 0.97<br>FR 1444 3.42<br>2053 1.41 |                                                               |                                                               |                                                               | <b>31</b> 0404 2.97<br>1030 1.32<br>WE 1705 3.54<br>2345 1.57 |                                                               | <b>31</b> 0018 1.40<br>0602 3.02<br>SA 1202 1.24<br>1820 3.80 |

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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 – ROSSLYN BAY

LAT 23° 10' S LONG 150° 48' 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> 0057 1.17<br>SU 1245 1.04<br>1858 3.99              |   | <b>16</b> 0045 0.63<br>MO 1243 0.62<br>1857 4.49              |   | <b>1</b> 0050 0.97<br>TU 1251 0.98<br>1856 4.01               |   | <b>1</b> 0111 0.60<br>FR 0722 4.03<br>1336 0.80<br>1925 4.01  |   |
| <b>2</b> 0129 0.99<br>MO 0718 3.41<br>1321 0.87<br>1932 4.13 |   | <b>17</b> 0130 0.39<br>TU 0717 3.93<br>1332 0.44<br>1940 4.59 |   | <b>16</b> 0106 0.40<br>WE 0704 4.06<br>1320 0.62<br>1919 4.29 |   | <b>16</b> 0156 0.48<br>SA 0806 4.37<br>1433 0.83<br>2017 3.78 |   |
| <b>3</b> 0158 0.84<br>TU 0750 3.55<br>1354 0.75<br>2003 4.23 |   | <b>18</b> 0212 0.24<br>WE 0800 4.11<br>1417 0.35<br>2021 4.58 |   | <b>2</b> 0121 0.78<br>WE 0722 3.68<br>1326 0.82<br>1928 4.11  |   | <b>2</b> 0144 0.43<br>SA 0756 4.26<br>1417 0.67<br>2003 4.03  |   |
| <b>4</b> 0227 0.72<br>WE 0820 3.67<br>1425 0.66<br>2032 4.28 |   | <b>19</b> 0251 0.18<br>TH 0841 4.23<br>1459 0.35<br>2100 4.47 |   | <b>17</b> 0146 0.31<br>TH 0744 4.23<br>1403 0.57<br>1959 4.23 |   | <b>17</b> 0229 0.51<br>SU 0841 4.41<br>1511 0.85<br>2053 3.67 |   |
| <b>5</b> 0255 0.62<br>TH 0850 3.78<br>1458 0.61<br>2102 4.28 |   | <b>20</b> 0327 0.21<br>FR 0921 4.27<br>1539 0.45<br>2137 4.28 |   | <b>3</b> 0150 0.62<br>TH 0751 3.87<br>1401 0.69<br>1959 4.17  |   | <b>3</b> 0220 0.33<br>SU 0833 4.43<br>1500 0.59<br>2043 4.00  |   |
| <b>6</b> 0324 0.55<br>FR 0921 3.87<br>1531 0.61<br>2133 4.23 |   | <b>21</b> 0401 0.32<br>SA 1002 4.23<br>1617 0.63<br>2213 4.01 |   | <b>18</b> 0222 0.29<br>FR 0822 4.33<br>1445 0.58<br>2036 4.11 |   | <b>18</b> 0300 0.59<br>MO 0917 4.38<br>1545 0.91<br>2128 3.54 |   |
| <b>7</b> 0352 0.52<br>SA 1605 0.68<br>2204 4.10              |   | <b>22</b> 0432 0.51<br>SU 1041 4.11<br>1654 0.87<br>2248 3.69 |   | <b>4</b> 0220 0.49<br>FR 0822 4.03<br>1436 0.61<br>2032 4.18  |   | <b>4</b> 0257 0.29<br>MO 0914 4.54<br>1546 0.58<br>2128 3.91  |   |
| <b>8</b> 0423 0.56<br>SU 1031 3.92<br>1642 0.82<br>2239 3.92 |   | <b>23</b> 0502 0.76<br>MO 1121 3.93<br>1732 1.15<br>2323 3.36 |   | <b>5</b> 0250 0.40<br>SA 0855 4.16<br>1514 0.58<br>2106 4.12  |   | <b>5</b> 0336 0.34<br>TU 0959 4.56<br>1635 0.63<br>2215 3.75  |   |
| <b>9</b> 0455 0.65<br>MO 1111 3.87<br>1724 1.01<br>2318 3.67 |   | <b>24</b> 0534 1.04<br>TU 1205 3.70<br>1817 1.44              |   | <b>6</b> 0322 0.37<br>SU 0933 4.24<br>1554 0.62<br>2143 4.00  |   | <b>6</b> 0418 0.49<br>WE 1049 4.48<br>1727 0.74<br>2307 3.56  |   |
| <b>10</b> 0533 0.81<br>TU 1200 3.78<br>1819 1.23             |   | <b>25</b> 0614 1.35<br>WE 1258 3.47<br>1919 1.69              |   | <b>7</b> 0356 0.43<br>MO 1013 4.24<br>1637 0.74<br>2223 3.81  |   | <b>7</b> 0506 0.71<br>TH 1143 4.34<br>1824 0.89               |   |
| <b>11</b> 0623 1.02<br>WE 1302 3.67<br>1932 1.42             |   | <b>26</b> 0717 1.63<br>TH 1408 3.30<br>2052 1.80              |   | <b>8</b> 0432 0.56<br>TU 1058 4.17<br>1725 0.91<br>2310 3.56  |   | <b>8</b> 0005 3.36<br>FR 0603 0.98<br>1243 4.17<br>1927 1.01  |   |
| <b>12</b> 0735 1.21<br>TH 1420 3.61<br>2102 1.47             |   | <b>27</b> 0859 1.76<br>FR 1529 3.28<br>2226 1.69              |   | <b>9</b> 0514 0.78<br>WE 1151 4.04<br>1823 1.10               |   | <b>9</b> 0113 3.22<br>SA 0715 1.22<br>1351 4.01<br>2038 1.05  |   |
| <b>13</b> 0905 1.28<br>FR 1551 3.72<br>2236 1.28             |   | <b>28</b> 1027 1.65<br>SA 1644 3.42<br>2334 1.45              |   | <b>10</b> 0006 3.30<br>TH 0608 1.03<br>1253 3.89<br>1933 1.25 |   | <b>10</b> 0235 3.20<br>SU 0841 1.34<br>1507 3.93<br>2151 0.97 |   |
| <b>14</b> 1033 1.14<br>SA 1710 3.98<br>2350 0.95             |   | <b>29</b> 1127 1.42<br>SU 1740 3.64                           |   | <b>11</b> 0118 3.08<br>FR 0724 1.26<br>1409 3.79<br>2056 1.27 |   | <b>11</b> 0400 3.35<br>MO 1006 1.29<br>1618 3.94<br>2257 0.82 |   |
| <b>15</b> 1146 0.88<br>SU 1809 4.27                          |   | <b>30</b> 1213 1.19<br>MO 1821 3.85                           |   | <b>12</b> 0248 3.03<br>SA 0857 1.34<br>1533 3.83<br>2221 1.10 |   | <b>12</b> 0509 3.62<br>TU 1117 1.14<br>1720 3.97<br>2352 0.66 |   |
|                                                              |   |                                                               |   | <b>13</b> 0421 3.21<br>SU 1025 1.20<br>1649 4.00<br>2329 0.83 |   | <b>13</b> 0602 3.89<br>WE 1216 0.99<br>1812 3.97              |   |
|                                                              |   |                                                               |   | <b>14</b> 0529 3.52<br>MO 1135 0.97<br>1748 4.17              |   | <b>14</b> 0039 0.54<br>TH 0647 4.12<br>1306 0.89<br>1857 3.94 |   |
|                                                              |   |                                                               |   | <b>15</b> 0021 0.57<br>TU 1231 0.76<br>1837 4.28              |   | <b>15</b> 0120 0.48<br>FR 0728 4.28<br>1351 0.83<br>1939 3.87 |   |
|                                                              |   |                                                               |   | <b>31</b> 0038 0.79<br>TH 1257 0.96<br>1850 3.94              |   | <b>16</b> 0156 0.48<br>SA 0806 4.37<br>1433 0.83<br>2017 3.78 |   |
|                                                              |   |                                                               |   |                                                               |   | <b>17</b> 0229 0.51<br>SU 0841 4.41<br>1511 0.85<br>2053 3.67 |   |
|                                                              |   |                                                               |   |                                                               |   | <b>18</b> 0300 0.59<br>MO 0917 4.38<br>1545 0.91<br>2128 3.54 |   |
|                                                              |   |                                                               |   |                                                               |   | <b>19</b> 0329 0.70<br>TU 0951 4.30<br>1618 1.00<br>2202 3.41 |   |
|                                                              |   |                                                               |   |                                                               |   | <b>20</b> 0358 0.84<br>WE 1025 4.18<br>1651 1.11<br>2234 3.26 |   |
|                                                              |   |                                                               |   |                                                               |   | <b>21</b> 0427 1.02<br>TH 1100 4.02<br>1726 1.23<br>2308 3.11 |   |
|                                                              |   |                                                               |   |                                                               |   | <b>22</b> 0458 1.22<br>FR 1139 3.85<br>1807 1.36<br>2349 2.96 |   |
|                                                              |   |                                                               |   |                                                               |   | <b>23</b> 0537 1.45<br>SA 1226 3.67<br>1857 1.48              |   |
|                                                              |   |                                                               |   |                                                               |   | <b>24</b> 0047 2.84<br>SU 0636 1.69<br>1323 3.51<br>1958 1.54 |   |
|                                                              |   |                                                               |   |                                                               |   | <b>25</b> 0209 2.80<br>MO 0805 1.83<br>1429 3.43<br>2108 1.50 |   |
|                                                              |   |                                                               |   |                                                               |   | <b>26</b> 0332 2.91<br>TU 0933 1.80<br>1533 3.44<br>2212 1.35 |   |
|                                                              |   |                                                               |   |                                                               |   | <b>27</b> 0441 3.17<br>WE 1042 1.63<br>1632 3.52<br>2306 1.13 |   |
|                                                              |   |                                                               |   |                                                               |   | <b>28</b> 0534 3.49<br>TH 1138 1.40<br>1723 3.63<br>2351 0.90 |   |
|                                                              |   |                                                               |   |                                                               |   | <b>29</b> 0617 3.82<br>FR 1226 1.16<br>1810 3.74              |   |
|                                                              |   |                                                               |   |                                                               |   | <b>30</b> 0033 0.67<br>SA 0654 4.13<br>1313 0.95<br>1854 3.84 |   |
|                                                              |   |                                                               |   |                                                               |   | <b>31</b> 0139 0.43<br>TU 1439 0.62<br>2015 3.93              |   |

