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# BALLINA – NEW SOUTH WALES

LAT 28° 52' S LONG 153° 35' E

# 2019

Times and Heights of High and Low Waters

Local Time

MAY				JUNE				JULY				AUGUST																																																																																																											
Time	m	Time	m	Time	m	Time	m	Time	m	Time	m	Time	m	Time	m																																																																																																								
<b>1</b> 0600 1.48 WE 1835 1.43	<b>16</b> 0608 1.63 TH 1853 1.68	<b>1</b> 0043 0.62 SA 1238 0.44 1915 1.69	<b>16</b> 0139 0.51 SU 1310 0.41 2002 1.81	<b>1</b> 0109 0.52 MO 1239 0.36 1931 1.79	<b>16</b> 0214 0.43 TU 1328 0.38 2024 1.73	<b>1</b> 0228 0.23 TH 1355 0.18 ● 2047 1.91	<b>16</b> 0300 0.30 FR 1424 0.29 2108 1.59	<b>2</b> 0028 0.60 TH 1252 0.46 1911 1.52	<b>17</b> 0054 0.49 FR 1303 0.36 1938 1.77	<b>2</b> 0128 0.55 SU 1313 0.41 1955 1.78	<b>17</b> 0226 0.48 MO 1347 0.41 ○ 2043 1.82	<b>2</b> 0157 0.44 TU 1322 0.32 2017 1.87	<b>17</b> 0253 0.40 WE 1404 0.37 ○ 2100 1.71	<b>2</b> 0315 0.18 FR 1445 0.16 2135 1.91	<b>17</b> 0330 0.29 SA 1459 0.30 2139 1.56	<b>3</b> 0109 0.55 FR 1322 0.42 1945 1.61	<b>18</b> 0145 0.45 SA 1341 0.36 2021 1.83	<b>3</b> 0212 0.50 MO 1348 0.38 ● 2036 1.84	<b>18</b> 0311 0.46 TU 1424 0.43 2121 1.80	<b>3</b> 0244 0.37 WE 1408 0.30 ● 2104 1.92	<b>18</b> 0329 0.39 TH 1440 0.37 2134 1.68	<b>3</b> 0401 0.16 SA 1538 0.19 2222 1.86	<b>18</b> 0400 0.30 SU 1534 0.33 2210 1.50	<b>4</b> 0148 0.51 SA 1352 0.40 2021 1.68	<b>19</b> 0235 0.44 SU 1416 0.39 ○ 2102 1.84	<b>4</b> 0257 0.45 TU 1428 0.38 2119 1.87	<b>19</b> 0353 0.47 WE 1500 0.45 2159 1.75	<b>4</b> 0332 0.32 TH 1457 0.29 2152 1.93	<b>19</b> 0403 0.39 FR 1516 0.39 2208 1.64	<b>4</b> 0448 0.18 SU 1631 0.25 2308 1.75	<b>19</b> 0430 0.31 MO 1613 0.38 2243 1.43	<b>5</b> 0228 0.48 SU ● 2058 1.74	<b>20</b> 0324 0.45 MO 1452 0.43 2143 1.82	<b>5</b> 0345 0.43 WE 1511 0.39 2205 1.88	<b>20</b> 0434 0.48 TH 1536 0.49 2235 1.69	<b>5</b> 0423 0.30 FR 1548 0.32 2241 1.90	<b>20</b> 0438 0.41 SA 1553 0.43 2242 1.59	<b>5</b> 0535 0.22 MO 1728 0.35 2356 1.60	<b>20</b> 0501 0.33 TU 1654 0.45 2316 1.34	<b>6</b> 0309 0.47 MO 1456 0.39 2136 1.77	<b>21</b> 0412 0.48 TU 1527 0.47 2222 1.77	<b>6</b> 0436 0.42 TH 1558 0.43 2255 1.86	<b>21</b> 0515 0.51 FR 1615 0.53 2313 1.63	<b>6</b> 0515 0.31 SA 1642 0.37 2330 1.83	<b>21</b> 0513 0.42 SU 1633 0.48 2316 1.52	<b>6</b> 0623 0.28 TU 1830 0.45	<b>21</b> 0534 0.36 WE 1741 0.52 2353 1.24	<b>7</b> 0354 0.47 TU 1531 0.42 2218 1.77	<b>22</b> 0459 0.52 WE 1601 0.53 2301 1.70	<b>7</b> 0531 0.44 FR 1650 0.48 2346 1.81	<b>22</b> 0555 0.53 SA 1658 0.59 2351 1.56	<b>7</b> 0608 0.34 SU 1740 0.45	<b>22</b> 0549 0.45 MO 1716 0.55 2353 1.44	<b>7</b> 0045 1.42 WE 1342 1.35 1944 0.55	<b>22</b> 0611 0.39 TH 1837 0.58	<b>8</b> 0443 0.48 WE 1612 0.46 2305 1.75	<b>23</b> 0546 0.56 TH 1640 0.59 2344 1.62	<b>8</b> 0630 0.46 SA 1749 0.55	<b>23</b> 0638 0.56 SU 1746 0.65	<b>8</b> 0022 1.73 MO 1307 1.29 1845 0.53	<b>23</b> 0628 0.47 TU 1807 0.62	<b>8</b> 0141 1.26 TH ● 2107 0.59	<b>23</b> 0037 1.14 FR 1344 1.25 1950 0.62	<b>9</b> 0537 0.51 TH 1658 0.52 2357 1.71	<b>24</b> 0635 0.60 FR 1725 0.66	<b>9</b> 0043 1.75 SU 1330 1.23 1858 0.61	<b>24</b> 0034 1.49 MO 1320 1.16 1844 0.72	<b>9</b> 0115 1.60 TU ● 1958 0.61	<b>24</b> 0034 1.35 WE 1330 1.21 1908 0.69	<b>9</b> 0246 1.12 FR 1601 1.42 2232 0.58	<b>24</b> 0136 1.05 SA 1449 1.30 ● 2116 0.61	<b>10</b> 0640 0.54 FR 1754 0.59	<b>25</b> 0029 1.54 SA 1306 1.09 1820 0.72	<b>10</b> 0143 1.68 MO ● 2013 0.65	<b>25</b> 0122 1.42 TU 1423 1.20 ● 1953 0.77	<b>10</b> 0214 1.47 WE 1521 1.40 2116 0.64	<b>25</b> 0122 1.27 TH 1431 1.25 ● 2024 0.72	<b>10</b> 0400 1.04 SA 1706 1.48 2343 0.53	<b>25</b> 0253 1.00 SU 1558 1.38 2236 0.53	<b>11</b> 0057 1.68 SA 1342 1.15 1904 0.64	<b>26</b> 0119 1.48 SU 1415 1.11 1929 0.77	<b>11</b> 0245 1.62 TU 1547 1.38 2130 0.66	<b>26</b> 0216 1.37 WE 1527 1.27 2109 0.78	<b>11</b> 0315 1.36 TH 1627 1.49 2236 0.63	<b>26</b> 0220 1.20 FR 1535 1.33 2144 0.70	<b>11</b> 0511 1.02 SU 1800 1.53	<b>26</b> 0411 1.00 MO 1701 1.49 2342 0.42	<b>12</b> 0203 1.65 SU ● 2025 0.66	<b>27</b> 0218 1.43 MO ● 2045 0.80	<b>12</b> 0346 1.56 WE 1649 1.50 2244 0.64	<b>27</b> 0315 1.33 TH 1625 1.37 2220 0.75	<b>12</b> 0419 1.27 FR 1726 1.57 2345 0.59	<b>27</b> 0326 1.15 SA 1634 1.43 2257 0.63	<b>12</b> 0036 0.46 MO 1147 0.40 1846 1.57	<b>27</b> 0521 1.04 TU 1759 1.61	<b>13</b> 0312 1.65 MO 1611 1.30 2145 0.64	<b>28</b> 0319 1.41 TU 1625 1.27 2157 0.78	<b>13</b> 0446 1.50 TH 1745 1.61 2350 0.60	<b>28</b> 0413 1.31 FR 1715 1.48 2324 0.69	<b>13</b> 0521 1.21 SA 1818 1.65	<b>28</b> 0431 1.13 SU 1730 1.54	<b>13</b> 0118 0.40 TU 1927 1.60	<b>28</b> 0035 0.30 WE 1159 0.24 1851 1.73	<b>14</b> 0416 1.65 TU 1712 1.43 2256 0.59	<b>29</b> 0415 1.41 WE 1714 1.37 2300 0.74	<b>14</b> 0542 1.44 FR 1834 1.71	<b>29</b> 0507 1.29 SA 1801 1.59	<b>14</b> 0044 0.53 SU 1904 1.70	<b>29</b> 0000 0.53 MO 1123 0.36 1821 1.66	<b>14</b> 0155 0.35 WE 2002 1.61	<b>29</b> 0122 0.19 TH 1253 0.16 1941 1.81	<b>15</b> 0515 1.65 WE 2359 0.53	<b>30</b> 0506 1.42 TH 1757 1.49 2355 0.68	<b>15</b> 0047 0.55 SA 1230 0.41 1920 1.78	<b>30</b> 0019 0.61 SU 1157 0.41 1846 1.70	<b>15</b> 0131 0.48 MO 1247 0.39 1945 1.72	<b>30</b> 0052 0.42 TU 1214 0.29 1911 1.77	<b>15</b> 0228 0.32 TH ○ 2036 1.61	<b>30</b> 0206 0.11 FR 1345 0.10 ● 2028 1.85

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Datum of Predictions is Lowest Astronomical Tide

Caution: Predictions are of secondary quality

Times are in local standard time (UTC +10:00) or daylight savings time (UTC +11:00) when in effect

Moon Phase Symbols

● New Moon

○ First Quarter

○ Full Moon

○ Last Quarter

# BALLINA – NEW SOUTH WALES

LAT 28° 52' S LONG 153° 35' E

Times and Heights of High and Low Waters

# 2019

Local Time

SEPTEMBER				OCTOBER				NOVEMBER				DECEMBER					
Time	m	Time	m	Time	m	Time	m	Time	m	Time	m	Time	m	Time	m		
<b>1</b> 0332 0.06 0941 1.40 SU 1528 0.10 2159 1.73		<b>16</b> 0319 0.23 0930 1.31 MO 1519 0.29 2140 1.40		<b>1</b> 0338 0.09 1006 1.57 TU 1611 0.18 2217 1.39		<b>16</b> 0407 0.22 1039 1.48 WE 1647 0.31 2246 1.22		<b>1</b> 0515 0.31 1214 1.58 FR 1855 0.35		<b>16</b> 0444 0.30 1141 1.61 SA 1814 0.34 2359 1.03		<b>1</b> 0007 0.99 0524 0.42 SU 1230 1.55 1921 0.40		<b>16</b> 0518 0.33 1217 1.71 MO 1858 0.30			
<b>2</b> 0415 0.09 1029 1.43 MO 1620 0.18 2243 1.58		<b>17</b> 0347 0.24 1005 1.33 TU 1558 0.33 2212 1.32		<b>2</b> 0416 0.17 1052 1.55 WE 1707 0.27 2302 1.21		<b>17</b> 0437 0.25 1116 1.49 TH 1730 0.35 2323 1.13		<b>2</b> 0030 0.97 0555 0.40 SA 1300 1.49 1956 0.41		<b>17</b> 0527 0.36 1229 1.58 SU 1910 0.37		<b>2</b> 0057 0.95 0608 0.49 MO 1313 1.45 2011 0.44		<b>17</b> 0049 1.07 0613 0.40 TU 1308 1.65 1954 0.32			
<b>3</b> 0457 0.16 1118 1.43 TU 1716 0.28 2328 1.40		<b>18</b> 0416 0.26 1043 1.34 WE 1639 0.38 2245 1.23		<b>3</b> 0456 0.26 1141 1.50 TH 1809 0.37 2351 1.05		<b>18</b> 0510 0.30 1158 1.47 FR 1817 0.39		<b>3</b> 0127 0.90 0642 0.49 SU 1353 1.39 2100 0.45		<b>18</b> 0057 0.98 0619 0.43 MO 1324 1.54 2015 0.39		<b>3</b> 0153 0.94 0702 0.57 TU 1400 1.37 2102 0.47		<b>18</b> 0153 1.08 0715 0.47 WE 1403 1.58 2051 0.33			
<b>4</b> 0539 0.24 1210 1.41 WE 1818 0.40		<b>19</b> 0448 0.30 1123 1.33 TH 1725 0.44 2323 1.12		<b>4</b> 0536 0.35 1234 1.42 FR 1919 0.44		<b>19</b> 0005 1.04 0547 0.35 SA 1245 1.44 1915 0.43		<b>4</b> 0238 0.87 0745 0.56 MO 1454 1.32 2206 0.47		<b>19</b> 0208 0.97 0725 0.49 TU 1425 1.50 2121 0.38		<b>4</b> 0301 0.96 0810 0.64 WE 1453 1.30 2155 0.47		<b>19</b> 0301 1.13 0829 0.53 TH 1502 1.50 2148 0.34			
<b>5</b> 0015 1.21 0623 0.33 TH 1309 1.38 1932 0.49		<b>20</b> 0522 0.34 1210 1.32 FR 1820 0.50		<b>5</b> 0049 0.92 0624 0.44 SA 1336 1.35 2039 0.48		<b>20</b> 0059 0.97 0633 0.41 SU 1340 1.41 2025 0.45		<b>5</b> 0402 0.90 0902 0.61 TU 1601 1.27 2303 0.45		<b>20</b> 0326 1.02 0845 0.53 WE 1531 1.49 2225 0.34		<b>5</b> 0415 1.03 0926 0.67 TH 1553 1.25 2245 0.45		<b>20</b> 0412 1.22 0947 0.56 FR 1604 1.43 2243 0.32			
<b>6</b> 0112 1.05 0713 0.40 FR 1416 1.35 2059 0.53		<b>21</b> 0009 1.02 0604 0.39 SA 1305 1.30 1932 0.53		<b>6</b> 0308 0.85 0829 0.51 SU 1548 1.31 2257 0.47		<b>21</b> 0211 0.92 0736 0.47 MO 1446 1.40 2143 0.44		<b>6</b> 0511 0.98 1022 0.61 WE 1704 1.27 2351 0.42		<b>21</b> 0439 1.12 1006 0.52 TH 1638 1.49 2321 0.29		<b>6</b> 0515 1.13 1042 0.67 FR 1654 1.23 2330 0.42		<b>21</b> 0517 1.35 1107 0.55 SA 1708 1.36 2334 0.30			
<b>7</b> 0225 0.93 0813 0.45 SA 1530 1.35 2224 0.51		<b>22</b> 0114 0.94 0700 0.43 SU 1413 1.32 2059 0.51		<b>7</b> 0438 0.86 0947 0.54 MO 1700 1.30 2357 0.43		<b>22</b> 0337 0.93 0858 0.49 TU 1559 1.42 2255 0.37		<b>7</b> 0602 1.09 1133 0.58 TH 1758 1.28		<b>22</b> 0541 1.26 1121 0.48 FR 1739 1.49		<b>7</b> 0604 1.24 1150 0.64 SA 1748 1.22		<b>22</b> 0616 1.48 1221 0.51 SU 1810 1.29			
<b>8</b> 0351 0.90 0923 0.47 SU 1640 1.37 2330 0.46		<b>23</b> 0240 0.91 0816 0.45 MO 1527 1.37 2218 0.44		<b>8</b> 0546 0.93 1106 0.52 TU 1800 1.32		<b>23</b> 0457 1.02 1022 0.47 WE 1708 1.48 2354 0.29		<b>8</b> 0030 0.37 0645 1.20 FR 1230 0.53 1843 1.31		<b>23</b> 0010 0.24 0636 1.41 SA 1229 0.41 1835 1.47		<b>8</b> 0011 0.38 0646 1.35 SU 1248 0.58 1837 1.22		<b>23</b> 0022 0.28 0709 1.60 MO 1325 0.44 1908 1.24			
<b>9</b> 0504 0.93 1034 0.45 MO 1736 1.41		<b>24</b> 0404 0.95 0936 0.41 TU 1635 1.47 2321 0.33		<b>9</b> 0041 0.38 0636 1.03 WE 1211 0.47 1847 1.35		<b>24</b> 0600 1.15 1134 0.40 TH 1809 1.55		<b>9</b> 0103 0.33 0722 1.30 SA 1317 0.47 1922 1.32		<b>24</b> 0054 0.20 0726 1.55 SU 1328 0.35 1928 1.43		<b>9</b> 0047 0.34 0725 1.46 MO 1338 0.51 1922 1.21		<b>24</b> 0106 0.27 0759 1.69 TU 1421 0.38 2001 1.19			
<b>10</b> 0016 0.40 0558 0.99 TU 1133 0.41 1823 1.45		<b>25</b> 0514 1.05 1046 0.34 WE 1735 1.58		<b>10</b> 0117 0.34 0716 1.12 TH 1300 0.41 1928 1.39		<b>25</b> 0044 0.20 0655 1.29 FR 1238 0.31 1903 1.60		<b>10</b> 0134 0.29 0757 1.40 SU 1400 0.42 2000 1.32		<b>25</b> 0135 0.17 0813 1.66 MO 1423 0.30 2017 1.37		<b>10</b> 0122 0.30 0803 1.56 TU 1423 0.44 2004 1.20		<b>25</b> 0148 0.26 0844 1.75 WE 1512 0.33 2051 1.15			
<b>11</b> 0054 0.34 0641 1.06 WE 1220 0.35 1901 1.48		<b>26</b> 0012 0.22 0610 1.17 TH 1148 0.24 1829 1.68		<b>11</b> 0148 0.29 0752 1.21 FR 1341 0.36 2002 1.41		<b>26</b> 0127 0.13 0744 1.43 SA 1335 0.24 1953 1.61		<b>11</b> 0204 0.26 0830 1.49 MO 1439 0.37 2035 1.30		<b>26</b> 0214 0.17 0858 1.74 TU 1515 0.26 2104 1.29		<b>11</b> 0156 0.28 0841 1.64 WE 1505 0.38 2046 1.18		<b>26</b> 0229 0.26 0927 1.77 TH 1559 0.30 2136 1.12			
<b>12</b> 0126 0.29 0717 1.13 TH 1300 0.31 1936 1.50		<b>27</b> 0057 0.12 0700 1.29 FR 1244 0.16 1918 1.74		<b>12</b> 0218 0.25 0826 1.29 SA 1418 0.32 2035 1.42		<b>27</b> 0207 0.09 0830 1.55 SU 1428 0.18 2040 1.56		<b>12</b> 0232 0.24 0905 1.55 TU 1518 0.34 2111 1.26		<b>27</b> 0252 0.19 0941 1.77 WE 1605 0.25 2151 1.20		<b>12</b> 0230 0.25 0919 1.70 TH 1546 0.33 2129 1.15		<b>27</b> 0308 0.27 1007 1.76 FR 1642 0.29 2219 1.09			
<b>13</b> 0156 0.26 0751 1.19 FR 1335 0.27 2008 1.51		<b>28</b> 0138 0.06 0748 1.40 SA 1335 0.10 2004 1.73		<b>13</b> 0245 0.23 0858 1.36 SU 1455 0.30 2107 1.40		<b>28</b> 0245 0.08 0915 1.64 MO 1519 0.16 2126 1.48		<b>13</b> 0301 0.23 0941 1.60 WE 1558 0.32 2147 1.21		<b>28</b> 0330 0.22 1024 1.76 TH 1656 0.27 2236 1.11		<b>13</b> 0306 0.24 1000 1.74 FR 1630 0.30 2213 1.13		<b>28</b> 0346 0.30 1046 1.72 SA 1723 0.31 2300 1.07			
<b>14</b> 0225 0.24 0824 1.24 SA 1410 0.26 2039 1.50		<b>29</b> 0218 0.03 0834 1.49 SU 1427 0.08 2049 1.67		<b>14</b> 0313 0.21 0930 1.42 MO 1530 0.29 2139 1.36		<b>29</b> 0324 0.10 1000 1.69 TU 1611 0.18 2210 1.35		<b>14</b> 0332 0.24 1017 1.63 TH 1639 0.31 2227 1.15		<b>29</b> 0407 0.28 1106 1.72 FR 1745 0.30 2321 1.04		<b>14</b> 0345 0.25 1044 1.75 SA 1715 0.28 2300 1.10		<b>29</b> 0423 0.33 1123 1.65 SU 1802 0.34 2340 1.05			
<b>15</b> 0252 0.22 0857 1.28 SU 1444 0.26 2109 1.46		<b>30</b> 0259 0.04 0920 1.55 MO 1518 0.11 2133 1.55		<b>15</b> 0340 0.21 1004 1.46 TU 1608 0.29 2212 1.30		<b>30</b> 0401 0.15 1044 1.70 WE 1704 0.22 2255 1.22		<b>15</b> 0406 0.26 1058 1.63 FR 1724 0.32 2310 1.09		<b>30</b> 0444 0.34 1148 1.64 SA 1832 0.35		<b>15</b> 0430 0.28 1129 1.74 SU 1804 0.28 2353 1.08		<b>30</b> 0501 0.39 1200 1.58 MO 1840 0.38			
				<b>31</b> 0438 0.23 1128 1.66 TH 1758 0.28 2341 1.08								<b>31</b> 0021 1.04 0542 0.45 TU 1236 1.50 1919 0.41					

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● New Moon

◐ First Quarter

○ Full Moon

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