

**NEW ZEALAND HYDROGRAPHIC AUTHORITY TIDE PREDICTIONS**

**WHITIANGA**

Lat. 36° 50' S Long. 175° 42' E

**JANUARY 2019**

**N.Z. LOCAL TIMES AND HEIGHTS OF HIGH AND LOW WATERS**

|                | Time | m   |                 | Time | m   |                 | Time | m   |                 | Time | m   |
|----------------|------|-----|-----------------|------|-----|-----------------|------|-----|-----------------|------|-----|
| <b>1</b><br>Tu | 0355 | 2.0 | <b>9</b><br>We  | 0358 | 0.5 | <b>17</b><br>Th | 0358 | 1.8 | <b>25</b><br>Fr | 0452 | 0.3 |
|                | 0952 | 0.6 |                 | 1026 | 2.0 |                 | 0954 | 0.7 |                 | 1123 | 2.3 |
|                | 1615 | 2.0 |                 | 1626 | 0.6 |                 | 1617 | 1.9 |                 | 1727 | 0.3 |
|                | 2226 | 0.5 |                 | 2238 | 1.9 |                 | 2226 | 0.6 |                 | 2349 | 2.2 |
| <b>2</b><br>We | 0454 | 1.9 | <b>10</b><br>Th | 0436 | 0.5 | <b>18</b><br>Fr | 0456 | 1.9 | <b>26</b><br>Sa | 0544 | 0.3 |
|                | 1051 | 0.6 |                 | 1105 | 2.0 |                 | 1052 | 0.7 |                 | 1215 | 2.3 |
|                | 1710 | 2.0 |                 | 1705 | 0.6 |                 | 1714 | 2.0 |                 | 1820 | 0.4 |
|                | 2323 | 0.5 |                 | 2317 | 1.9 |                 | 2324 | 0.5 |                 |      |     |
| <b>3</b><br>Th | 0552 | 2.0 | <b>11</b><br>Fr | 0514 | 0.6 | <b>19</b><br>Sa | 0555 | 2.0 | <b>27</b><br>Su | 0042 | 2.1 |
|                | 1148 | 0.7 |                 | 1144 | 2.0 |                 | 1151 | 0.6 |                 | 0638 | 0.4 |
|                | 1805 | 2.0 |                 | 1745 | 0.6 |                 | 1812 | 2.0 |                 | 1308 | 2.2 |
|                |      |     |                 | 2357 | 1.9 |                 |      |     |                 | 1913 | 0.4 |
| <b>4</b><br>Fr | 0017 | 0.5 | <b>12</b><br>Sa | 0553 | 0.6 | <b>20</b><br>Su | 0021 | 0.4 | <b>28</b><br>Mo | 0136 | 2.1 |
|                | 0645 | 2.0 |                 | 1224 | 2.0 |                 | 0653 | 2.1 |                 | 0733 | 0.5 |
|                | 1242 | 0.7 |                 | 1825 | 0.6 |                 | 1250 | 0.6 |                 | 1400 | 2.1 |
|                | 1857 | 1.9 |                 |      |     |                 | 1911 | 2.1 |                 | 2007 | 0.5 |
| <b>5</b><br>Sa | 0107 | 0.5 | <b>13</b><br>Su | 0039 | 1.9 | <b>21</b><br>Mo | 0117 | 0.4 | <b>29</b><br>Tu | 0232 | 2.0 |
|                | 0735 | 2.0 |                 | 0634 | 0.6 |                 | 0749 | 2.2 |                 | 0829 | 0.6 |
|                | 1332 | 0.7 |                 | 1305 | 2.0 |                 | 1347 | 0.5 |                 | 1453 | 2.0 |
|                | 1946 | 1.9 |                 | 1907 | 0.7 |                 | 2009 | 2.1 |                 | 2102 | 0.5 |
| <b>6</b><br>Su | 0155 | 0.5 | <b>14</b><br>Mo | 0122 | 1.8 | <b>22</b><br>Tu | 0212 | 0.3 | <b>30</b><br>We | 0329 | 2.0 |
|                | 0822 | 2.0 |                 | 0718 | 0.7 |                 | 0844 | 2.2 |                 | 0927 | 0.6 |
|                | 1420 | 0.6 |                 | 1348 | 1.9 |                 | 1444 | 0.4 |                 | 1547 | 2.0 |
|                | 2033 | 1.9 |                 | 1951 | 0.7 |                 | 2106 | 2.2 |                 | 2158 | 0.6 |
| <b>7</b><br>Mo | 0238 | 0.5 | <b>15</b><br>Tu | 0210 | 1.8 | <b>23</b><br>We | 0306 | 0.2 | <b>31</b><br>Th | 0427 | 1.9 |
|                | 0905 | 2.0 |                 | 0806 | 0.7 |                 | 0937 | 2.3 |                 | 1025 | 0.7 |
|                | 1504 | 0.6 |                 | 1434 | 1.9 |                 | 1539 | 0.4 |                 | 1642 | 1.9 |
|                | 2116 | 1.9 |                 | 2039 | 0.6 |                 | 2201 | 2.2 |                 | 2255 | 0.6 |
| <b>8</b><br>Tu | 0319 | 0.5 | <b>16</b><br>We | 0302 | 1.8 | <b>24</b><br>Th | 0359 | 0.2 |                 |      |     |
|                | 0946 | 2.0 |                 | 0858 | 0.7 |                 | 1030 | 2.3 |                 |      |     |
|                | 1546 | 0.6 |                 | 1524 | 1.9 |                 | 1633 | 0.3 |                 |      |     |
|                | 2158 | 1.9 |                 | 2131 | 0.6 |                 | 2255 | 2.2 |                 |      |     |

TIMES LISTED ARE N.Z. DAYLIGHT TIME

CROWN COPYRIGHT RESERVED

**NEW ZEALAND HYDROGRAPHIC AUTHORITY TIDE PREDICTIONS**

**WHITIANGA**

Lat. 36° 50' S Long. 175° 42' E

**FEBRUARY 2019**

**N.Z. LOCAL TIMES AND HEIGHTS OF HIGH AND LOW WATERS**

|                | Time | m   |                 | Time | m   |                 | Time | m   |                 | Time | m   |
|----------------|------|-----|-----------------|------|-----|-----------------|------|-----|-----------------|------|-----|
| <b>1</b><br>Fr | 0524 | 1.9 | <b>9</b><br>Sa  | 0446 | 0.6 | <b>17</b><br>Su | 0527 | 2.0 | <b>25</b><br>Mo | 0020 | 2.2 |
|                | 1123 | 0.7 |                 | 1115 | 2.0 |                 | 1126 | 0.6 |                 | 0617 | 0.4 |
|                | 1737 | 1.9 |                 | 1714 | 0.6 |                 | 1748 | 2.0 |                 | 1243 | 2.2 |
|                | 2350 | 0.6 |                 | 2329 | 1.9 |                 | 2356 | 0.5 |                 | 1847 | 0.4 |
| <b>2</b><br>Sa | 0619 | 1.9 | <b>10</b><br>Su | 0524 | 0.6 | <b>18</b><br>Mo | 0628 | 2.1 | <b>26</b><br>Tu | 0112 | 2.1 |
|                | 1217 | 0.7 |                 | 1153 | 2.0 |                 | 1227 | 0.5 |                 | 0709 | 0.5 |
|                | 1831 | 1.9 |                 | 1753 | 0.6 |                 | 1850 | 2.1 |                 | 1334 | 2.1 |
|                |      |     |                 |      |     |                 |      |     | 1939            | 0.5  |     |
| <b>3</b><br>Su | 0042 | 0.6 | <b>11</b><br>Mo | 0009 | 1.9 | <b>19</b><br>Tu | 0055 | 0.4 | <b>27</b><br>We | 0205 | 2.0 |
|                | 0709 | 1.9 |                 | 0604 | 0.6 |                 | 0726 | 2.2 |                 | 0804 | 0.6 |
|                | 1308 | 0.7 |                 | 1232 | 2.0 |                 | 1327 | 0.5 |                 | 1425 | 2.0 |
|                | 1921 | 1.9 |                 | 1833 | 0.6 |                 | 1951 | 2.1 |                 | 2031 | 0.6 |
| <b>4</b><br>Mo | 0130 | 0.6 | <b>12</b><br>Tu | 0051 | 1.9 | <b>20</b><br>We | 0152 | 0.3 | <b>28</b><br>Th | 0300 | 1.9 |
|                | 0756 | 2.0 |                 | 0646 | 0.6 |                 | 0823 | 2.2 |                 | 0859 | 0.7 |
|                | 1356 | 0.7 |                 | 1314 | 2.0 |                 | 1425 | 0.4 |                 | 1517 | 1.9 |
|                | 2008 | 1.9 |                 | 1917 | 0.6 |                 | 2048 | 2.2 |                 | 2126 | 0.6 |
| <b>5</b><br>Tu | 0214 | 0.6 | <b>13</b><br>We | 0137 | 1.9 | <b>21</b><br>Th | 0247 | 0.3 |                 |      |     |
|                | 0839 | 2.0 |                 | 0733 | 0.7 |                 | 0917 | 2.3 |                 |      |     |
|                | 1439 | 0.7 |                 | 1359 | 1.9 |                 | 1520 | 0.3 |                 |      |     |
|                | 2052 | 1.9 |                 | 2004 | 0.6 |                 | 2143 | 2.2 |                 |      |     |
| <b>6</b><br>We | 0254 | 0.6 | <b>14</b><br>Th | 0228 | 1.9 | <b>22</b><br>Fr | 0341 | 0.2 |                 |      |     |
|                | 0920 | 2.0 |                 | 0826 | 0.7 |                 | 1010 | 2.3 |                 |      |     |
|                | 1520 | 0.6 |                 | 1449 | 1.9 |                 | 1614 | 0.3 |                 |      |     |
|                | 2133 | 1.9 |                 | 2057 | 0.6 |                 | 2237 | 2.2 |                 |      |     |
| <b>7</b><br>Th | 0332 | 0.6 | <b>15</b><br>Fr | 0325 | 1.9 | <b>23</b><br>Sa | 0433 | 0.3 |                 |      |     |
|                | 0959 | 2.0 |                 | 0923 | 0.7 |                 | 1102 | 2.3 |                 |      |     |
|                | 1559 | 0.6 |                 | 1545 | 1.9 |                 | 1706 | 0.3 |                 |      |     |
|                | 2212 | 1.9 |                 | 2154 | 0.6 |                 | 2329 | 2.2 |                 |      |     |
| <b>8</b><br>Fr | 0409 | 0.6 | <b>16</b><br>Sa | 0425 | 1.9 | <b>24</b><br>Su | 0525 | 0.3 |                 |      |     |
|                | 1037 | 2.0 |                 | 1024 | 0.7 |                 | 1153 | 2.2 |                 |      |     |
|                | 1636 | 0.6 |                 | 1645 | 2.0 |                 | 1757 | 0.3 |                 |      |     |
|                | 2251 | 1.9 |                 | 2255 | 0.5 |                 |      |     |                 |      |     |

TIMES LISTED ARE N.Z. DAYLIGHT TIME

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**NEW ZEALAND HYDROGRAPHIC AUTHORITY TIDE PREDICTIONS**

**WHITIANGA**

Lat. 36° 50' S Long. 175° 42' E

**MARCH 2019**

**N.Z. LOCAL TIMES AND HEIGHTS OF HIGH AND LOW WATERS**

|                | Time | m   |                 | Time | m   |                 | Time | m   |                 | Time | m   |
|----------------|------|-----|-----------------|------|-----|-----------------|------|-----|-----------------|------|-----|
| <b>1</b><br>Fr | 0356 | 1.9 | <b>9</b><br>Sa  | 0341 | 0.6 | <b>17</b><br>Su | 0402 | 2.0 | <b>25</b><br>Mo | 0503 | 0.4 |
|                | 0957 | 0.7 |                 | 1007 | 2.0 |                 | 1003 | 0.6 |                 | 1127 | 2.2 |
|                | 1612 | 1.9 |                 | 1606 | 0.6 |                 | 1625 | 1.9 |                 | 1731 | 0.4 |
|                | 2223 | 0.7 |                 | 2224 | 2.0 |                 | 2232 | 0.5 |                 | 2356 | 2.2 |
| <b>2</b><br>Sa | 0452 | 1.9 | <b>10</b><br>Su | 0418 | 0.6 | <b>18</b><br>Mo | 0504 | 2.0 | <b>26</b><br>Tu | 0554 | 0.5 |
|                | 1054 | 0.8 |                 | 1045 | 2.0 |                 | 1106 | 0.6 |                 | 1216 | 2.1 |
|                | 1707 | 1.8 |                 | 1643 | 0.6 |                 | 1730 | 2.0 |                 | 1819 | 0.4 |
|                | 2320 | 0.7 |                 | 2302 | 2.0 |                 | 2334 | 0.5 |                 |      |     |
| <b>3</b><br>Su | 0547 | 1.9 | <b>11</b><br>Mo | 0457 | 0.6 | <b>19</b><br>Tu | 0606 | 2.1 | <b>27</b><br>We | 0045 | 2.1 |
|                | 1149 | 0.8 |                 | 1123 | 2.0 |                 | 1208 | 0.5 |                 | 0644 | 0.5 |
|                | 1802 | 1.8 |                 | 1722 | 0.5 |                 | 1833 | 2.1 |                 | 1305 | 2.0 |
|                |      |     |                 | 2342 | 2.0 |                 |      |     |                 | 1908 | 0.5 |
| <b>4</b><br>Mo | 0013 | 0.7 | <b>12</b><br>Tu | 0537 | 0.6 | <b>20</b><br>We | 0035 | 0.4 | <b>28</b><br>Th | 0136 | 2.0 |
|                | 0638 | 1.9 |                 | 1204 | 2.0 |                 | 0704 | 2.2 |                 | 0736 | 0.6 |
|                | 1240 | 0.7 |                 | 1803 | 0.5 |                 | 1308 | 0.4 |                 | 1354 | 1.9 |
|                | 1853 | 1.8 |                 |      |     |                 | 1933 | 2.1 |                 | 1958 | 0.6 |
| <b>5</b><br>Tu | 0102 | 0.7 | <b>13</b><br>We | 0025 | 2.0 | <b>21</b><br>Th | 0133 | 0.3 | <b>29</b><br>Fr | 0228 | 1.9 |
|                | 0725 | 1.9 |                 | 0621 | 0.6 |                 | 0801 | 2.2 |                 | 0830 | 0.7 |
|                | 1327 | 0.7 |                 | 1246 | 2.0 |                 | 1405 | 0.4 |                 | 1445 | 1.9 |
|                | 1941 | 1.9 |                 | 1848 | 0.5 |                 | 2030 | 2.2 |                 | 2051 | 0.7 |
| <b>6</b><br>We | 0146 | 0.6 | <b>14</b><br>Th | 0111 | 1.9 | <b>22</b><br>Fr | 0228 | 0.3 | <b>30</b><br>Sa | 0322 | 1.9 |
|                | 0809 | 2.0 |                 | 0709 | 0.6 |                 | 0855 | 2.3 |                 | 0925 | 0.7 |
|                | 1411 | 0.7 |                 | 1333 | 2.0 |                 | 1459 | 0.3 |                 | 1539 | 1.8 |
|                | 2025 | 1.9 |                 | 1936 | 0.6 |                 | 2124 | 2.2 |                 | 2147 | 0.7 |
| <b>7</b><br>Th | 0226 | 0.6 | <b>15</b><br>Fr | 0203 | 1.9 | <b>23</b><br>Sa | 0321 | 0.3 | <b>31</b><br>Su | 0416 | 1.9 |
|                | 0849 | 2.0 |                 | 0803 | 0.7 |                 | 0947 | 2.3 |                 | 1021 | 0.8 |
|                | 1450 | 0.6 |                 | 1425 | 1.9 |                 | 1551 | 0.3 |                 | 1634 | 1.8 |
|                | 2106 | 1.9 |                 | 2030 | 0.6 |                 | 2216 | 2.2 |                 | 2244 | 0.7 |
| <b>8</b><br>Fr | 0304 | 0.6 | <b>16</b><br>Sa | 0301 | 1.9 | <b>24</b><br>Su | 0413 | 0.3 |                 |      |     |
|                | 0929 | 2.0 |                 | 0901 | 0.7 |                 | 1038 | 2.2 |                 |      |     |
|                | 1528 | 0.6 |                 | 1523 | 1.9 |                 | 1642 | 0.3 |                 |      |     |
|                | 2145 | 2.0 |                 | 2129 | 0.6 |                 | 2306 | 2.2 |                 |      |     |

TIMES LISTED ARE N.Z. DAYLIGHT TIME

CROWN COPYRIGHT RESERVED

**NEW ZEALAND HYDROGRAPHIC AUTHORITY TIDE PREDICTIONS**

**WHITIANGA**

Lat. 36° 50' S Long. 175° 42' E

**APRIL 2019**

**N.Z. LOCAL TIMES AND HEIGHTS OF HIGH AND LOW WATERS**

|                | Time | m   |                 | Time | m   |                 | Time | m    |                 | Time | m   |
|----------------|------|-----|-----------------|------|-----|-----------------|------|------|-----------------|------|-----|
| <b>1</b><br>Mo | 0510 | 1.9 | <b>9</b><br>Tu  | 0331 | 0.6 | <b>17</b><br>We | 0445 | 2.1  | <b>25</b><br>Th | 0518 | 0.6 |
|                | 1115 | 0.8 |                 | 0956 | 2.0 |                 | 1050 | 0.5  |                 | 1135 | 2.0 |
|                | 1729 | 1.8 |                 | 1555 | 0.5 |                 | 1717 | 2.0  |                 | 1736 | 0.6 |
|                | 2338 | 0.7 |                 | 2219 | 2.0 |                 | 2316 | 0.5  |                 |      |     |
| <b>2</b><br>Tu | 0601 | 1.9 | <b>10</b><br>We | 0415 | 0.6 | <b>18</b><br>Th | 0542 | 2.1  | <b>26</b><br>Fr | 0005 | 2.0 |
|                | 1206 | 0.7 |                 | 1039 | 2.0 |                 | 1148 | 0.4  |                 | 0607 | 0.6 |
|                | 1821 | 1.8 |                 | 1638 | 0.5 |                 | 1815 | 2.1  |                 | 1223 | 1.9 |
|                |      |     | 2304            | 2.0  |     |                 |      | 1824 | 0.6             |      |     |
| <b>3</b><br>We | 0028 | 0.7 | <b>11</b><br>Th | 0502 | 0.6 | <b>19</b><br>Fr | 0013 | 0.4  | <b>27</b><br>Sa | 0054 | 1.9 |
|                | 0648 | 1.9 |                 | 1125 | 2.0 |                 | 0638 | 2.2  |                 | 0658 | 0.7 |
|                | 1253 | 0.7 |                 | 1724 | 0.5 |                 | 1244 | 0.4  |                 | 1312 | 1.8 |
|                | 1909 | 1.9 |                 | 2353 | 2.0 |                 | 1911 | 2.2  |                 | 1914 | 0.7 |
| <b>4</b><br>Th | 0113 | 0.7 | <b>12</b><br>Fr | 0552 | 0.6 | <b>20</b><br>Sa | 0108 | 0.4  | <b>28</b><br>Su | 0145 | 1.9 |
|                | 0733 | 1.9 |                 | 1215 | 2.0 |                 | 0731 | 2.2  |                 | 0751 | 0.7 |
|                | 1336 | 0.7 |                 | 1815 | 0.5 |                 | 1337 | 0.3  |                 | 1404 | 1.8 |
|                | 1954 | 1.9 |                 |      |     |                 | 2003 | 2.2  |                 | 2008 | 0.7 |
| <b>5</b><br>Fr | 0153 | 0.6 | <b>13</b><br>Sa | 0046 | 2.0 | <b>21</b><br>Su | 0200 | 0.4  | <b>29</b><br>Mo | 0237 | 1.9 |
|                | 0814 | 2.0 |                 | 0647 | 0.6 |                 | 0823 | 2.2  |                 | 0844 | 0.8 |
|                | 1416 | 0.6 |                 | 1309 | 1.9 |                 | 1427 | 0.3  |                 | 1457 | 1.8 |
|                | 2036 | 1.9 |                 | 1910 | 0.5 |                 | 2054 | 2.2  |                 | 2103 | 0.8 |
| <b>6</b><br>Sa | 0232 | 0.6 | <b>14</b><br>Su | 0144 | 2.0 | <b>22</b><br>Mo | 0251 | 0.4  | <b>30</b><br>Tu | 0329 | 1.9 |
|                | 0855 | 2.0 |                 | 0746 | 0.6 |                 | 0912 | 2.2  |                 | 0936 | 0.7 |
|                | 1455 | 0.6 |                 | 1408 | 1.9 |                 | 1516 | 0.3  |                 | 1551 | 1.8 |
|                | 2116 | 2.0 |                 | 2010 | 0.5 |                 | 2142 | 2.2  |                 | 2157 | 0.8 |
| <b>7</b><br>Su | 0211 | 0.6 | <b>15</b><br>Mo | 0244 | 2.0 | <b>23</b><br>Tu | 0340 | 0.5  |                 |      |     |
|                | 0834 | 2.0 |                 | 0847 | 0.6 |                 | 1001 | 2.1  |                 |      |     |
|                | 1434 | 0.5 |                 | 1511 | 1.9 |                 | 1603 | 0.4  |                 |      |     |
|                | 2056 | 2.0 |                 | 2113 | 0.5 |                 | 2230 | 2.1  |                 |      |     |
| <b>8</b><br>Mo | 0250 | 0.6 | <b>16</b><br>Tu | 0345 | 2.0 | <b>24</b><br>We | 0429 | 0.5  |                 |      |     |
|                | 0914 | 2.0 |                 | 0949 | 0.6 |                 | 1048 | 2.0  |                 |      |     |
|                | 1513 | 0.5 |                 | 1615 | 2.0 |                 | 1649 | 0.5  |                 |      |     |
|                | 2137 | 2.0 |                 | 2216 | 0.5 |                 | 2317 | 2.1  |                 |      |     |

TIMES LISTED HAVE BEEN ADJUSTED FOR N.Z. DAYLIGHT TIME AS REQUIRED

CROWN COPYRIGHT RESERVED

**NEW ZEALAND HYDROGRAPHIC AUTHORITY TIDE PREDICTIONS**

**WHITIANGA**

Lat. 36° 50' S Long. 175° 42' E

**MAY 2019**

**N.Z. LOCAL TIMES AND HEIGHTS OF HIGH AND LOW WATERS**

|                | Time | m   |                 | Time | m   |                 | Time | m   |                 | Time | m   |
|----------------|------|-----|-----------------|------|-----|-----------------|------|-----|-----------------|------|-----|
| <b>1</b><br>We | 0419 | 1.9 | <b>9</b><br>Th  | 0356 | 0.5 | <b>17</b><br>Fr | 0520 | 2.1 | <b>25</b><br>Sa | 0537 | 0.7 |
|                | 1026 | 0.7 |                 | 1019 | 2.0 |                 | 1129 | 0.4 |                 | 1150 | 1.9 |
|                | 1644 | 1.8 |                 | 1617 | 0.4 |                 | 1757 | 2.1 |                 | 1748 | 0.6 |
|                | 2247 | 0.7 |                 | 2247 | 2.1 |                 | 2354 | 0.5 |                 |      |     |
| <b>2</b><br>Th | 0507 | 1.9 | <b>10</b><br>Fr | 0446 | 0.6 | <b>18</b><br>Sa | 0615 | 2.1 | <b>26</b><br>Su | 0020 | 2.0 |
|                | 1112 | 0.7 |                 | 1108 | 2.0 |                 | 1223 | 0.4 |                 | 0625 | 0.7 |
|                | 1733 | 1.9 |                 | 1706 | 0.4 |                 | 1851 | 2.1 |                 | 1237 | 1.8 |
|                | 2333 | 0.7 |                 | 2338 | 2.1 |                 |      |     |                 | 1836 | 0.7 |
| <b>3</b><br>Fr | 0552 | 1.9 | <b>11</b><br>Sa | 0539 | 0.6 | <b>19</b><br>Su | 0047 | 0.5 | <b>27</b><br>Mo | 0108 | 1.9 |
|                | 1156 | 0.6 |                 | 1201 | 2.0 |                 | 0707 | 2.1 |                 | 0713 | 0.7 |
|                | 1819 | 1.9 |                 | 1758 | 0.5 |                 | 1314 | 0.4 |                 | 1326 | 1.8 |
|                |      |     |                 |      |     |                 | 1942 | 2.2 |                 | 1926 | 0.7 |
| <b>4</b><br>Sa | 0016 | 0.7 | <b>12</b><br>Su | 0032 | 2.1 | <b>20</b><br>Mo | 0139 | 0.5 | <b>28</b><br>Tu | 0156 | 1.9 |
|                | 0635 | 1.9 |                 | 0635 | 0.6 |                 | 0758 | 2.1 |                 | 0802 | 0.7 |
|                | 1239 | 0.6 |                 | 1257 | 2.0 |                 | 1403 | 0.4 |                 | 1418 | 1.8 |
|                | 1903 | 2.0 |                 | 1855 | 0.5 |                 | 2031 | 2.2 |                 | 2018 | 0.8 |
| <b>5</b><br>Su | 0058 | 0.6 | <b>13</b><br>Mo | 0129 | 2.1 | <b>21</b><br>Tu | 0228 | 0.5 | <b>29</b><br>We | 0245 | 1.9 |
|                | 0718 | 2.0 |                 | 0733 | 0.6 |                 | 0846 | 2.1 |                 | 0852 | 0.7 |
|                | 1320 | 0.5 |                 | 1357 | 2.0 |                 | 1449 | 0.4 |                 | 1510 | 1.8 |
|                | 1946 | 2.0 |                 | 1955 | 0.5 |                 | 2118 | 2.1 |                 | 2111 | 0.8 |
| <b>6</b><br>Mo | 0140 | 0.6 | <b>14</b><br>Tu | 0228 | 2.1 | <b>22</b><br>We | 0316 | 0.5 | <b>30</b><br>Th | 0334 | 1.9 |
|                | 0802 | 2.0 |                 | 0833 | 0.5 |                 | 0933 | 2.0 |                 | 0941 | 0.7 |
|                | 1402 | 0.5 |                 | 1458 | 2.0 |                 | 1535 | 0.5 |                 | 1603 | 1.8 |
|                | 2029 | 2.0 |                 | 2057 | 0.5 |                 | 2203 | 2.1 |                 | 2201 | 0.8 |
| <b>7</b><br>Tu | 0223 | 0.6 | <b>15</b><br>We | 0326 | 2.1 | <b>23</b><br>Th | 0403 | 0.6 | <b>31</b><br>Fr | 0422 | 1.9 |
|                | 0846 | 2.0 |                 | 0933 | 0.5 |                 | 1019 | 2.0 |                 | 1029 | 0.7 |
|                | 1446 | 0.4 |                 | 1600 | 2.0 |                 | 1619 | 0.5 |                 | 1653 | 1.9 |
|                | 2113 | 2.1 |                 | 2158 | 0.5 |                 | 2248 | 2.0 |                 | 2250 | 0.7 |
| <b>8</b><br>We | 0308 | 0.6 | <b>16</b><br>Th | 0424 | 2.1 | <b>24</b><br>Fr | 0450 | 0.6 |                 |      |     |
|                | 0931 | 2.0 |                 | 1032 | 0.5 |                 | 1104 | 1.9 |                 |      |     |
|                | 1530 | 0.4 |                 | 1700 | 2.0 |                 | 1703 | 0.6 |                 |      |     |
|                | 2159 | 2.1 |                 | 2257 | 0.5 |                 | 2334 | 2.0 |                 |      |     |

TIMES LISTED ARE N.Z. STANDARD TIME

CROWN COPYRIGHT RESERVED

**NEW ZEALAND HYDROGRAPHIC AUTHORITY TIDE PREDICTIONS**

**WHITIANGA**

Lat. 36° 50' S Long. 175° 42' E

**JUNE 2019**

**N.Z. LOCAL TIMES AND HEIGHTS OF HIGH AND LOW WATERS**

|                | Time | m    |                 | Time | m    |                 | Time | m    |                 | Time | m   |
|----------------|------|------|-----------------|------|------|-----------------|------|------|-----------------|------|-----|
| <b>1</b><br>Sa | 0509 | 1.9  | <b>9</b><br>Su  | 0526 | 0.5  | <b>17</b><br>Mo | 0027 | 0.6  | <b>25</b><br>Tu | 0029 | 1.9 |
|                | 1115 | 0.6  |                 | 1148 | 2.0  |                 | 0644 | 2.0  |                 | 0633 | 0.7 |
|                | 1742 | 1.9  |                 | 1744 | 0.4  |                 | 1252 | 0.4  |                 | 1248 | 1.8 |
|                | 2337 | 0.7  |                 |      |      |                 | 1921 | 2.1  |                 | 1844 | 0.7 |
| <b>2</b><br>Su | 0556 | 1.9  | <b>10</b><br>Mo | 0018 | 2.1  | <b>18</b><br>Tu | 0118 | 0.6  | <b>26</b><br>We | 0115 | 1.9 |
|                | 1201 | 0.6  |                 | 0622 | 0.5  |                 | 0734 | 2.0  |                 | 0719 | 0.7 |
|                | 1829 | 2.0  |                 | 1245 | 2.0  |                 | 1339 | 0.4  |                 | 1337 | 1.8 |
|                |      | 1840 |                 | 0.5  | 2008 |                 | 2.1  | 1933 |                 | 0.8  |     |
| <b>3</b><br>Mo | 0024 | 0.6  | <b>11</b><br>Tu | 0114 | 2.1  | <b>19</b><br>We | 0206 | 0.6  | <b>27</b><br>Th | 0201 | 1.9 |
|                | 0643 | 2.0  |                 | 0719 | 0.5  |                 | 0822 | 2.0  |                 | 0807 | 0.7 |
|                | 1247 | 0.5  |                 | 1344 | 2.0  |                 | 1424 | 0.5  |                 | 1428 | 1.8 |
|                | 1916 | 2.0  |                 | 1939 | 0.5  |                 | 2053 | 2.1  |                 | 2024 | 0.8 |
| <b>4</b><br>Tu | 0110 | 0.6  | <b>12</b><br>We | 0210 | 2.1  | <b>20</b><br>Th | 0252 | 0.6  | <b>28</b><br>Fr | 0249 | 1.9 |
|                | 0731 | 2.0  |                 | 0817 | 0.5  |                 | 0907 | 2.0  |                 | 0855 | 0.7 |
|                | 1333 | 0.4  |                 | 1444 | 2.0  |                 | 1508 | 0.5  |                 | 1520 | 1.8 |
|                | 2002 | 2.1  |                 | 2040 | 0.6  |                 | 2136 | 2.1  |                 | 2116 | 0.8 |
| <b>5</b><br>We | 0158 | 0.5  | <b>13</b><br>Th | 0307 | 2.1  | <b>21</b><br>Fr | 0337 | 0.6  | <b>29</b><br>Sa | 0338 | 1.9 |
|                | 0819 | 2.0  |                 | 0915 | 0.5  |                 | 0951 | 1.9  |                 | 0945 | 0.6 |
|                | 1420 | 0.4  |                 | 1544 | 2.0  |                 | 1550 | 0.5  |                 | 1613 | 1.9 |
|                | 2050 | 2.1  |                 | 2140 | 0.6  |                 | 2219 | 2.0  |                 | 2208 | 0.7 |
| <b>6</b><br>Th | 0248 | 0.5  | <b>14</b><br>Fr | 0403 | 2.1  | <b>22</b><br>Sa | 0421 | 0.6  | <b>30</b><br>Su | 0428 | 1.9 |
|                | 0910 | 2.1  |                 | 1013 | 0.5  |                 | 1034 | 1.9  |                 | 1036 | 0.6 |
|                | 1509 | 0.4  |                 | 1642 | 2.0  |                 | 1631 | 0.6  |                 | 1705 | 1.9 |
|                | 2140 | 2.2  |                 | 2239 | 0.6  |                 | 2302 | 2.0  |                 | 2300 | 0.7 |
| <b>7</b><br>Fr | 0339 | 0.5  | <b>15</b><br>Sa | 0458 | 2.1  | <b>23</b><br>Su | 0505 | 0.7  |                 |      |     |
|                | 1001 | 2.1  |                 | 1108 | 0.5  |                 | 1117 | 1.9  |                 |      |     |
|                | 1558 | 0.4  |                 | 1738 | 2.1  |                 | 1714 | 0.6  |                 |      |     |
|                | 2231 | 2.2  |                 | 2334 | 0.6  |                 | 2345 | 2.0  |                 |      |     |
| <b>8</b><br>Sa | 0431 | 0.5  | <b>16</b><br>Su | 0552 | 2.0  | <b>24</b><br>Mo | 0549 | 0.7  |                 |      |     |
|                | 1054 | 2.1  |                 | 1201 | 0.4  |                 | 1201 | 1.8  |                 |      |     |
|                | 1650 | 0.4  |                 | 1831 | 2.1  |                 | 1758 | 0.7  |                 |      |     |
|                | 2323 | 2.2  |                 |      |      |                 |      |      |                 |      |     |

TIMES LISTED ARE N.Z. STANDARD TIME

CROWN COPYRIGHT RESERVED

**NEW ZEALAND HYDROGRAPHIC AUTHORITY TIDE PREDICTIONS**

**WHITIANGA**

Lat. 36° 50' S Long. 175° 42' E

**JULY 2019**

**N.Z. LOCAL TIMES AND HEIGHTS OF HIGH AND LOW WATERS**

|                | Time | m    |                 | Time | m    |                 | Time | m    |                 | Time | m   |
|----------------|------|------|-----------------|------|------|-----------------|------|------|-----------------|------|-----|
| <b>1</b><br>Mo | 0519 | 2.0  | <b>9</b><br>Tu  | 0000 | 2.2  | <b>17</b><br>We | 0057 | 0.6  | <b>25</b><br>Th | 0034 | 1.9 |
|                | 1126 | 0.5  |                 | 0605 | 0.4  |                 | 0712 | 1.9  |                 | 0637 | 0.7 |
|                | 1756 | 2.0  |                 | 1229 | 2.1  |                 | 1317 | 0.5  |                 | 1256 | 1.8 |
|                | 2352 | 0.6  |                 | 1824 | 0.5  |                 | 1944 | 2.1  |                 | 1852 | 0.7 |
| <b>2</b><br>Tu | 0611 | 2.0  | <b>10</b><br>We | 0055 | 2.2  | <b>18</b><br>Th | 0144 | 0.6  | <b>26</b><br>Fr | 0119 | 1.9 |
|                | 1217 | 0.4  |                 | 0701 | 0.5  |                 | 0758 | 1.9  |                 | 0723 | 0.7 |
|                | 1847 | 2.1  |                 | 1326 | 2.0  |                 | 1400 | 0.5  |                 | 1346 | 1.8 |
|                |      | 1922 |                 | 0.5  | 2028 |                 | 2.1  | 1942 |                 | 0.8  |     |
| <b>3</b><br>We | 0044 | 0.6  | <b>11</b><br>Th | 0150 | 2.1  | <b>19</b><br>Fr | 0228 | 0.6  | <b>27</b><br>Sa | 0206 | 1.9 |
|                | 0704 | 2.0  |                 | 0757 | 0.5  |                 | 0842 | 1.9  |                 | 0813 | 0.7 |
|                | 1308 | 0.4  |                 | 1425 | 2.0  |                 | 1442 | 0.5  |                 | 1440 | 1.8 |
|                | 1938 | 2.1  |                 | 2021 | 0.6  |                 | 2109 | 2.0  |                 | 2035 | 0.8 |
| <b>4</b><br>Th | 0136 | 0.5  | <b>12</b><br>Fr | 0245 | 2.1  | <b>20</b><br>Sa | 0311 | 0.6  | <b>28</b><br>Su | 0257 | 1.9 |
|                | 0757 | 2.1  |                 | 0855 | 0.5  |                 | 0924 | 1.9  |                 | 0905 | 0.6 |
|                | 1358 | 0.3  |                 | 1524 | 2.0  |                 | 1521 | 0.5  |                 | 1535 | 1.9 |
|                | 2029 | 2.2  |                 | 2121 | 0.6  |                 | 2150 | 2.0  |                 | 2131 | 0.7 |
| <b>5</b><br>Fr | 0229 | 0.5  | <b>13</b><br>Sa | 0341 | 2.0  | <b>21</b><br>Su | 0352 | 0.6  | <b>29</b><br>Mo | 0351 | 1.9 |
|                | 0850 | 2.1  |                 | 0952 | 0.5  |                 | 1004 | 1.9  |                 | 1000 | 0.6 |
|                | 1449 | 0.3  |                 | 1622 | 2.0  |                 | 1601 | 0.6  |                 | 1631 | 1.9 |
|                | 2121 | 2.2  |                 | 2219 | 0.6  |                 | 2230 | 2.0  |                 | 2228 | 0.7 |
| <b>6</b><br>Sa | 0322 | 0.4  | <b>14</b><br>Su | 0436 | 2.0  | <b>22</b><br>Mo | 0432 | 0.6  | <b>30</b><br>Tu | 0447 | 2.0 |
|                | 0944 | 2.1  |                 | 1047 | 0.5  |                 | 1045 | 1.9  |                 | 1055 | 0.5 |
|                | 1541 | 0.3  |                 | 1718 | 2.0  |                 | 1640 | 0.6  |                 | 1727 | 2.0 |
|                | 2213 | 2.3  |                 | 2315 | 0.6  |                 | 2310 | 2.0  |                 | 2324 | 0.6 |
| <b>7</b><br>Su | 0416 | 0.4  | <b>15</b><br>Mo | 0530 | 2.0  | <b>23</b><br>Tu | 0512 | 0.6  | <b>31</b><br>We | 0544 | 2.0 |
|                | 1038 | 2.1  |                 | 1140 | 0.5  |                 | 1126 | 1.9  |                 | 1150 | 0.4 |
|                | 1633 | 0.3  |                 | 1810 | 2.0  |                 | 1721 | 0.7  |                 | 1821 | 2.1 |
|                | 2306 | 2.2  |                 |      |      |                 | 2351 | 2.0  |                 |      |     |
| <b>8</b><br>Mo | 0510 | 0.4  | <b>16</b><br>Tu | 0008 | 0.6  | <b>24</b><br>We | 0554 | 0.7  |                 |      |     |
|                | 1133 | 2.1  |                 | 0622 | 2.0  |                 | 1210 | 1.8  |                 |      |     |
|                | 1728 | 0.4  |                 | 1230 | 0.5  |                 | 1805 | 0.7  |                 |      |     |
|                |      |      |                 | 1859 | 2.0  |                 |      |      |                 |      |     |

TIMES LISTED ARE N.Z. STANDARD TIME

CROWN COPYRIGHT RESERVED

**NEW ZEALAND HYDROGRAPHIC AUTHORITY TIDE PREDICTIONS**

**WHITIANGA**

Lat. 36° 50' S Long. 175° 42' E

**AUGUST 2019**

**N.Z. LOCAL TIMES AND HEIGHTS OF HIGH AND LOW WATERS**

|                | Time | m   |                 | Time | m   |                 | Time | m   |                 | Time | m   |
|----------------|------|-----|-----------------|------|-----|-----------------|------|-----|-----------------|------|-----|
| <b>1</b><br>Th | 0020 | 0.5 | <b>9</b><br>Fr  | 0126 | 2.1 | <b>17</b><br>Sa | 0203 | 0.6 | <b>25</b><br>Su | 0129 | 1.9 |
|                | 0641 | 2.1 |                 | 0733 | 0.5 |                 | 0817 | 1.9 |                 | 0735 | 0.6 |
|                | 1245 | 0.3 |                 | 1402 | 2.0 |                 | 1416 | 0.5 |                 | 1404 | 1.9 |
|                | 1915 | 2.2 |                 | 2000 | 0.6 |                 | 2041 | 2.0 |                 | 2002 | 0.7 |
| <b>2</b><br>Fr | 0115 | 0.4 | <b>10</b><br>Sa | 0222 | 2.0 | <b>18</b><br>Su | 0243 | 0.6 | <b>26</b><br>Mo | 0223 | 1.9 |
|                | 0737 | 2.1 |                 | 0830 | 0.5 |                 | 0857 | 1.9 |                 | 0830 | 0.6 |
|                | 1338 | 0.3 |                 | 1501 | 2.0 |                 | 1454 | 0.6 |                 | 1502 | 1.9 |
|                | 2008 | 2.3 |                 | 2100 | 0.7 |                 | 2119 | 2.0 |                 | 2100 | 0.7 |
| <b>3</b><br>Sa | 0210 | 0.4 | <b>11</b><br>Su | 0317 | 1.9 | <b>19</b><br>Mo | 0321 | 0.6 | <b>27</b><br>Tu | 0321 | 1.9 |
|                | 0832 | 2.2 |                 | 0928 | 0.6 |                 | 0935 | 1.9 |                 | 0929 | 0.6 |
|                | 1430 | 0.3 |                 | 1559 | 2.0 |                 | 1531 | 0.6 |                 | 1602 | 2.0 |
|                | 2101 | 2.3 |                 | 2158 | 0.7 |                 | 2158 | 2.0 |                 | 2201 | 0.7 |
| <b>4</b><br>Su | 0304 | 0.3 | <b>12</b><br>Mo | 0414 | 1.9 | <b>20</b><br>Tu | 0359 | 0.6 | <b>28</b><br>We | 0421 | 2.0 |
|                | 0926 | 2.2 |                 | 1025 | 0.6 |                 | 1014 | 1.9 |                 | 1029 | 0.5 |
|                | 1523 | 0.3 |                 | 1655 | 2.0 |                 | 1609 | 0.6 |                 | 1700 | 2.0 |
|                | 2153 | 2.3 |                 | 2254 | 0.7 |                 | 2236 | 2.0 |                 | 2300 | 0.6 |
| <b>5</b><br>Mo | 0357 | 0.3 | <b>13</b><br>Tu | 0508 | 1.9 | <b>21</b><br>We | 0437 | 0.6 | <b>29</b><br>Th | 0522 | 2.0 |
|                | 1020 | 2.2 |                 | 1119 | 0.6 |                 | 1054 | 1.9 |                 | 1127 | 0.4 |
|                | 1616 | 0.3 |                 | 1747 | 2.0 |                 | 1648 | 0.6 |                 | 1757 | 2.1 |
|                | 2246 | 2.3 |                 | 2347 | 0.7 |                 | 2315 | 2.0 |                 | 2359 | 0.5 |
| <b>6</b><br>Tu | 0450 | 0.3 | <b>14</b><br>We | 0601 | 1.9 | <b>22</b><br>Th | 0516 | 0.6 | <b>30</b><br>Fr | 0622 | 2.1 |
|                | 1114 | 2.2 |                 | 1209 | 0.6 |                 | 1135 | 1.9 |                 | 1223 | 0.3 |
|                | 1709 | 0.4 |                 | 1835 | 2.0 |                 | 1730 | 0.7 |                 | 1852 | 2.2 |
|                | 2339 | 2.2 |                 |      |     |                 | 2357 | 1.9 |                 |      |     |
| <b>7</b><br>We | 0544 | 0.4 | <b>15</b><br>Th | 0036 | 0.7 | <b>23</b><br>Fr | 0558 | 0.6 | <b>31</b><br>Sa | 0055 | 0.4 |
|                | 1209 | 2.1 |                 | 0649 | 1.9 |                 | 1220 | 1.9 |                 | 0719 | 2.2 |
|                | 1804 | 0.4 |                 | 1254 | 0.6 |                 | 1816 | 0.7 |                 | 1318 | 0.3 |
|                |      |     |                 | 1919 | 2.0 |                 |      |     |                 | 1946 | 2.3 |
| <b>8</b><br>Th | 0032 | 2.2 | <b>16</b><br>Fr | 0121 | 0.6 | <b>24</b><br>Sa | 0041 | 1.9 |                 |      |     |
|                | 0638 | 0.4 |                 | 0735 | 1.9 |                 | 0644 | 0.6 |                 |      |     |
|                | 1305 | 2.1 |                 | 1337 | 0.5 |                 | 1309 | 1.9 |                 |      |     |
|                | 1901 | 0.5 |                 | 2001 | 2.0 |                 | 1906 | 0.7 |                 |      |     |

TIMES LISTED ARE N.Z. STANDARD TIME

CROWN COPYRIGHT RESERVED



**NEW ZEALAND HYDROGRAPHIC AUTHORITY TIDE PREDICTIONS**

**WHITIANGA**

Lat. 36° 50' S Long. 175° 42' E

**SEPTEMBER 2019**

**N.Z. LOCAL TIMES AND HEIGHTS OF HIGH AND LOW WATERS**

|                | Time | m   |                 | Time | m   |                 | Time | m   |                 | Time | m   |
|----------------|------|-----|-----------------|------|-----|-----------------|------|-----|-----------------|------|-----|
| <b>1</b><br>Su | 0150 | 0.3 | <b>9</b><br>Mo  | 0251 | 1.9 | <b>17</b><br>Tu | 0250 | 0.6 | <b>25</b><br>We | 0258 | 1.9 |
|                | 0814 | 2.2 |                 | 0900 | 0.6 |                 | 0907 | 2.0 |                 | 0903 | 0.6 |
|                | 1411 | 0.2 |                 | 1531 | 1.9 |                 | 1503 | 0.6 |                 | 1536 | 2.0 |
|                | 2039 | 2.3 |                 | 2134 | 0.7 |                 | 2126 | 2.0 |                 | 2138 | 0.6 |
| <b>2</b><br>Mo | 0243 | 0.3 | <b>10</b><br>Tu | 0348 | 1.8 | <b>18</b><br>We | 0326 | 0.5 | <b>26</b><br>Th | 0401 | 2.0 |
|                | 0907 | 2.3 |                 | 0958 | 0.7 |                 | 0945 | 2.0 |                 | 1005 | 0.5 |
|                | 1504 | 0.2 |                 | 1627 | 1.9 |                 | 1540 | 0.6 |                 | 1636 | 2.1 |
|                | 2131 | 2.3 |                 | 2231 | 0.7 |                 | 2204 | 2.0 |                 | 2240 | 0.5 |
| <b>3</b><br>Tu | 0336 | 0.3 | <b>11</b><br>We | 0444 | 1.8 | <b>19</b><br>Th | 0404 | 0.5 | <b>27</b><br>Fr | 0504 | 2.0 |
|                | 1000 | 2.3 |                 | 1054 | 0.6 |                 | 1024 | 2.0 |                 | 1106 | 0.4 |
|                | 1556 | 0.3 |                 | 1719 | 1.9 |                 | 1619 | 0.6 |                 | 1734 | 2.2 |
|                | 2223 | 2.3 |                 | 2323 | 0.7 |                 | 2243 | 2.0 |                 | 2339 | 0.4 |
| <b>4</b><br>We | 0427 | 0.3 | <b>12</b><br>Th | 0537 | 1.9 | <b>20</b><br>Fr | 0443 | 0.6 | <b>28</b><br>Sa | 0604 | 2.1 |
|                | 1052 | 2.2 |                 | 1144 | 0.6 |                 | 1106 | 1.9 |                 | 1203 | 0.4 |
|                | 1649 | 0.4 |                 | 1807 | 2.0 |                 | 1701 | 0.6 |                 | 1830 | 2.2 |
|                | 2315 | 2.2 |                 |      |     |                 | 2325 | 1.9 |                 |      |     |
| <b>5</b><br>Th | 0519 | 0.3 | <b>13</b><br>Fr | 0011 | 0.7 | <b>21</b><br>Sa | 0526 | 0.6 | <b>29</b><br>Su | 0035 | 0.3 |
|                | 1145 | 2.1 |                 | 0625 | 1.9 |                 | 1150 | 1.9 |                 | 0801 | 2.2 |
|                | 1743 | 0.5 |                 | 1230 | 0.6 |                 | 1748 | 0.7 |                 | 1359 | 0.3 |
|                |      |     |                 | 1851 | 2.0 |                 |      |     |                 | 2024 | 2.3 |
| <b>6</b><br>Fr | 0007 | 2.1 | <b>14</b><br>Sa | 0055 | 0.6 | <b>22</b><br>Su | 0010 | 1.9 | <b>30</b><br>Mo | 0230 | 0.3 |
|                | 0611 | 0.4 |                 | 0710 | 1.9 |                 | 0612 | 0.6 |                 | 0855 | 2.3 |
|                | 1240 | 2.1 |                 | 1311 | 0.6 |                 | 1240 | 1.9 |                 | 1452 | 0.3 |
|                | 1838 | 0.6 |                 | 1932 | 2.0 |                 | 1839 | 0.7 |                 | 2117 | 2.3 |
| <b>7</b><br>Sa | 0100 | 2.0 | <b>15</b><br>Su | 0135 | 0.6 | <b>23</b><br>Mo | 0100 | 1.9 |                 |      |     |
|                | 0705 | 0.5 |                 | 0751 | 1.9 |                 | 0704 | 0.6 |                 |      |     |
|                | 1336 | 2.0 |                 | 1349 | 0.6 |                 | 1335 | 1.9 |                 |      |     |
|                | 1936 | 0.6 |                 | 2011 | 2.0 |                 | 1936 | 0.7 |                 |      |     |
| <b>8</b><br>Su | 0155 | 1.9 | <b>16</b><br>Mo | 0213 | 0.6 | <b>24</b><br>Tu | 0156 | 1.9 |                 |      |     |
|                | 0802 | 0.6 |                 | 0830 | 2.0 |                 | 0801 | 0.6 |                 |      |     |
|                | 1434 | 1.9 |                 | 1426 | 0.6 |                 | 1435 | 1.9 |                 |      |     |
|                | 2035 | 0.7 |                 | 2049 | 2.0 |                 | 2036 | 0.7 |                 |      |     |

TIMES LISTED HAVE BEEN ADJUSTED FOR N.Z. DAYLIGHT TIME AS REQUIRED

CROWN COPYRIGHT RESERVED

**NEW ZEALAND HYDROGRAPHIC AUTHORITY TIDE PREDICTIONS**

**WHITIANGA**

Lat. 36° 50' S Long. 175° 42' E

**OCTOBER 2019**

**N.Z. LOCAL TIMES AND HEIGHTS OF HIGH AND LOW WATERS**

|                | Time | m   |                 | Time | m   |                 | Time | m   |                 | Time | m   |
|----------------|------|-----|-----------------|------|-----|-----------------|------|-----|-----------------|------|-----|
| <b>1</b><br>Tu | 0322 | 0.2 | <b>9</b><br>We  | 0418 | 1.8 | <b>17</b><br>Th | 0356 | 0.5 | <b>25</b><br>Fr | 0444 | 2.0 |
|                | 0947 | 2.3 |                 | 1026 | 0.7 |                 | 1019 | 2.0 |                 | 1044 | 0.5 |
|                | 1544 | 0.3 |                 | 1653 | 1.9 |                 | 1613 | 0.6 |                 | 1714 | 2.1 |
|                | 2208 | 2.3 |                 | 2301 | 0.7 |                 | 2235 | 2.0 |                 | 2320 | 0.5 |
| <b>2</b><br>We | 0413 | 0.2 | <b>10</b><br>Th | 0514 | 1.8 | <b>18</b><br>Fr | 0435 | 0.5 | <b>26</b><br>Sa | 0546 | 2.0 |
|                | 1038 | 2.3 |                 | 1123 | 0.7 |                 | 1059 | 2.0 |                 | 1145 | 0.5 |
|                | 1635 | 0.3 |                 | 1745 | 1.9 |                 | 1654 | 0.6 |                 | 1812 | 2.2 |
|                | 2259 | 2.2 |                 | 2353 | 0.7 |                 | 2316 | 2.0 |                 |      |     |
| <b>3</b><br>Th | 0503 | 0.3 | <b>11</b><br>Fr | 0608 | 1.8 | <b>19</b><br>Sa | 0516 | 0.5 | <b>27</b><br>Su | 0019 | 0.4 |
|                | 1129 | 2.2 |                 | 1214 | 0.7 |                 | 1142 | 2.0 |                 | 0646 | 2.1 |
|                | 1727 | 0.4 |                 | 1833 | 1.9 |                 | 1739 | 0.6 |                 | 1244 | 0.4 |
|                | 2349 | 2.2 |                 |      |     |                 |      |     |                 | 1908 | 2.2 |
| <b>4</b><br>Fr | 0552 | 0.4 | <b>12</b><br>Sa | 0041 | 0.7 | <b>20</b><br>Su | 0000 | 2.0 | <b>28</b><br>Mo | 0115 | 0.3 |
|                | 1220 | 2.2 |                 | 0656 | 1.9 |                 | 0559 | 0.5 |                 | 0742 | 2.2 |
|                | 1819 | 0.5 |                 | 1300 | 0.7 |                 | 1228 | 2.0 |                 | 1339 | 0.4 |
|                |      |     |                 | 1917 | 2.0 |                 | 1826 | 0.6 |                 | 2002 | 2.2 |
| <b>5</b><br>Sa | 0040 | 2.1 | <b>13</b><br>Su | 0124 | 0.6 | <b>21</b><br>Mo | 0047 | 1.9 | <b>29</b><br>Tu | 0209 | 0.3 |
|                | 0643 | 0.4 |                 | 0741 | 1.9 |                 | 0647 | 0.5 |                 | 0836 | 2.2 |
|                | 1313 | 2.1 |                 | 1341 | 0.6 |                 | 1318 | 2.0 |                 | 1432 | 0.3 |
|                | 1913 | 0.6 |                 | 1959 | 2.0 |                 | 1919 | 0.7 |                 | 2054 | 2.3 |
| <b>6</b><br>Su | 0132 | 2.0 | <b>14</b><br>Mo | 0204 | 0.6 | <b>22</b><br>Tu | 0139 | 1.9 | <b>30</b><br>We | 0300 | 0.3 |
|                | 0735 | 0.5 |                 | 0822 | 2.0 |                 | 0740 | 0.6 |                 | 0927 | 2.3 |
|                | 1406 | 2.0 |                 | 1420 | 0.6 |                 | 1414 | 2.0 |                 | 1524 | 0.3 |
|                | 2009 | 0.7 |                 | 2038 | 2.0 |                 | 2016 | 0.6 |                 | 2145 | 2.2 |
| <b>7</b><br>Mo | 0225 | 1.9 | <b>15</b><br>Tu | 0242 | 0.5 | <b>23</b><br>We | 0237 | 1.9 | <b>31</b><br>Th | 0350 | 0.3 |
|                | 0829 | 0.6 |                 | 0902 | 2.0 |                 | 0839 | 0.6 |                 | 1017 | 2.3 |
|                | 1502 | 1.9 |                 | 1457 | 0.6 |                 | 1513 | 2.0 |                 | 1615 | 0.4 |
|                | 2106 | 0.7 |                 | 2117 | 2.0 |                 | 2117 | 0.6 |                 | 2235 | 2.2 |
| <b>8</b><br>Tu | 0321 | 1.8 | <b>16</b><br>We | 0318 | 0.5 | <b>24</b><br>Th | 0340 | 1.9 |                 |      |     |
|                | 0927 | 0.7 |                 | 0940 | 2.0 |                 | 0941 | 0.6 |                 |      |     |
|                | 1558 | 1.9 |                 | 1534 | 0.6 |                 | 1614 | 2.0 |                 |      |     |
|                | 2204 | 0.7 |                 | 2156 | 2.0 |                 | 2219 | 0.6 |                 |      |     |

TIMES LISTED ARE N.Z. DAYLIGHT TIME

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**NEW ZEALAND HYDROGRAPHIC AUTHORITY TIDE PREDICTIONS**

**WHITIANGA**

Lat. 36° 50' S Long. 175° 42' E

**NOVEMBER 2019**

**N.Z. LOCAL TIMES AND HEIGHTS OF HIGH AND LOW WATERS**

|                | Time | m    |                 | Time | m   |                 | Time | m   |                 | Time | m   |
|----------------|------|------|-----------------|------|-----|-----------------|------|-----|-----------------|------|-----|
| <b>1</b><br>Fr | 0438 | 0.3  | <b>9</b><br>Sa  | 0531 | 1.8 | <b>17</b><br>Su | 0453 | 0.4 | <b>25</b><br>Mo | 0628 | 2.1 |
|                | 1106 | 2.2  |                 | 1135 | 0.7 |                 | 1123 | 2.1 |                 | 1224 | 0.5 |
|                | 1705 | 0.5  |                 | 1753 | 1.9 |                 | 1721 | 0.6 |                 | 1846 | 2.1 |
|                | 2324 | 2.1  |                 |      |     |                 | 2341 | 2.0 |                 |      |     |
| <b>2</b><br>Sa | 0525 | 0.4  | <b>10</b><br>Su | 0003 | 0.7 | <b>18</b><br>Mo | 0539 | 0.4 | <b>26</b><br>Tu | 0055 | 0.4 |
|                | 1155 | 2.1  |                 | 0622 | 1.8 |                 | 1211 | 2.1 |                 | 0724 | 2.1 |
|                | 1755 | 0.5  |                 | 1223 | 0.7 |                 | 1811 | 0.6 |                 | 1320 | 0.5 |
|                |      | 1839 |                 | 1.9  |     |                 | 1940 | 2.2 |                 |      |     |
| <b>3</b><br>Su | 0013 | 2.0  | <b>11</b><br>Mo | 0047 | 0.6 | <b>19</b><br>Tu | 0031 | 2.0 | <b>27</b><br>We | 0148 | 0.3 |
|                | 0613 | 0.5  |                 | 0708 | 1.9 |                 | 0628 | 0.5 |                 | 0817 | 2.2 |
|                | 1244 | 2.1  |                 | 1306 | 0.7 |                 | 1302 | 2.1 |                 | 1413 | 0.4 |
|                | 1846 | 0.6  |                 | 1922 | 2.0 |                 | 1904 | 0.6 |                 | 2032 | 2.2 |
| <b>4</b><br>Mo | 0102 | 1.9  | <b>12</b><br>Tu | 0128 | 0.6 | <b>20</b><br>We | 0124 | 1.9 | <b>28</b><br>Th | 0239 | 0.3 |
|                | 0702 | 0.6  |                 | 0751 | 1.9 |                 | 0722 | 0.5 |                 | 0908 | 2.2 |
|                | 1335 | 2.0  |                 | 1347 | 0.7 |                 | 1357 | 2.1 |                 | 1505 | 0.4 |
|                | 1939 | 0.7  |                 | 2004 | 2.0 |                 | 2000 | 0.6 |                 | 2123 | 2.1 |
| <b>5</b><br>Tu | 0153 | 1.9  | <b>13</b><br>We | 0208 | 0.5 | <b>21</b><br>Th | 0222 | 1.9 | <b>29</b><br>Fr | 0327 | 0.3 |
|                | 0754 | 0.6  |                 | 0832 | 2.0 |                 | 0820 | 0.5 |                 | 0956 | 2.2 |
|                | 1427 | 1.9  |                 | 1427 | 0.6 |                 | 1454 | 2.1 |                 | 1554 | 0.5 |
|                | 2033 | 0.7  |                 | 2045 | 2.0 |                 | 2059 | 0.6 |                 | 2212 | 2.1 |
| <b>6</b><br>We | 0246 | 1.8  | <b>14</b><br>Th | 0248 | 0.5 | <b>22</b><br>Fr | 0324 | 1.9 | <b>30</b><br>Sa | 0414 | 0.4 |
|                | 0849 | 0.7  |                 | 0913 | 2.0 |                 | 0921 | 0.6 |                 | 1043 | 2.2 |
|                | 1520 | 1.9  |                 | 1507 | 0.6 |                 | 1553 | 2.1 |                 | 1643 | 0.5 |
|                | 2128 | 0.7  |                 | 2127 | 2.0 |                 | 2200 | 0.5 |                 | 2259 | 2.0 |
| <b>7</b><br>Th | 0341 | 1.8  | <b>15</b><br>Fr | 0328 | 0.5 | <b>23</b><br>Sa | 0427 | 2.0 |                 |      |     |
|                | 0946 | 0.7  |                 | 0955 | 2.1 |                 | 1024 | 0.5 |                 |      |     |
|                | 1613 | 1.9  |                 | 1549 | 0.6 |                 | 1652 | 2.1 |                 |      |     |
|                | 2223 | 0.7  |                 | 2210 | 2.0 |                 | 2300 | 0.5 |                 |      |     |
| <b>8</b><br>Fr | 0437 | 1.8  | <b>16</b><br>Sa | 0409 | 0.4 | <b>24</b><br>Su | 0529 | 2.0 |                 |      |     |
|                | 1043 | 0.8  |                 | 1038 | 2.1 |                 | 1125 | 0.5 |                 |      |     |
|                | 1704 | 1.9  |                 | 1634 | 0.6 |                 | 1749 | 2.1 |                 |      |     |
|                | 2314 | 0.7  |                 | 2254 | 2.0 |                 | 2359 | 0.4 |                 |      |     |

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**NEW ZEALAND HYDROGRAPHIC AUTHORITY TIDE PREDICTIONS**

**WHITIANGA**

Lat. 36° 50' S Long. 175° 42' E

**DECEMBER 2019**

**N.Z. LOCAL TIMES AND HEIGHTS OF HIGH AND LOW WATERS**

|                | Time | m    |                 | Time | m    |                 | Time | m    |                 | Time | m   |
|----------------|------|------|-----------------|------|------|-----------------|------|------|-----------------|------|-----|
| <b>1</b><br>Su | 0500 | 0.4  | <b>9</b><br>Mo  | 0541 | 1.8  | <b>17</b><br>Tu | 0522 | 0.4  | <b>25</b><br>We | 0034 | 0.4 |
|                | 1130 | 2.1  |                 | 1138 | 0.8  |                 | 1155 | 2.2  |                 | 0705 | 2.1 |
|                | 1731 | 0.6  |                 | 1755 | 1.9  |                 | 1756 | 0.5  |                 | 1301 | 0.6 |
|                | 2345 | 2.0  |                 |      |      |                 |      |      |                 | 1919 | 2.1 |
| <b>2</b><br>Mo | 0545 | 0.5  | <b>10</b><br>Tu | 0004 | 0.6  | <b>18</b><br>We | 0017 | 2.0  | <b>26</b><br>Th | 0128 | 0.4 |
|                | 1216 | 2.1  |                 | 0630 | 1.9  |                 | 0613 | 0.4  |                 | 0758 | 2.1 |
|                | 1819 | 0.6  |                 | 1225 | 0.7  |                 | 1246 | 2.2  |                 | 1355 | 0.5 |
|                |      | 1842 |                 | 1.9  | 1849 |                 | 0.5  | 2012 |                 | 2.0  |     |
| <b>3</b><br>Tu | 0032 | 1.9  | <b>11</b><br>We | 0050 | 0.6  | <b>19</b><br>Th | 0111 | 2.0  | <b>27</b><br>Fr | 0218 | 0.4 |
|                | 0630 | 0.6  |                 | 0717 | 1.9  |                 | 0706 | 0.5  |                 | 0848 | 2.1 |
|                | 1302 | 2.0  |                 | 1311 | 0.7  |                 | 1340 | 2.1  |                 | 1446 | 0.5 |
|                | 1907 | 0.7  |                 | 1928 | 1.9  |                 | 1945 | 0.5  |                 | 2102 | 2.0 |
| <b>4</b><br>We | 0119 | 1.8  | <b>12</b><br>Th | 0134 | 0.5  | <b>20</b><br>Fr | 0208 | 2.0  | <b>28</b><br>Sa | 0306 | 0.4 |
|                | 0718 | 0.7  |                 | 0802 | 2.0  |                 | 0803 | 0.5  |                 | 0935 | 2.1 |
|                | 1350 | 2.0  |                 | 1356 | 0.6  |                 | 1435 | 2.1  |                 | 1535 | 0.5 |
|                | 1956 | 0.7  |                 | 2014 | 2.0  |                 | 2042 | 0.5  |                 | 2150 | 2.0 |
| <b>5</b><br>Th | 0208 | 1.8  | <b>13</b><br>Fr | 0218 | 0.5  | <b>21</b><br>Sa | 0307 | 2.0  | <b>29</b><br>Su | 0351 | 0.4 |
|                | 0808 | 0.7  |                 | 0847 | 2.1  |                 | 0903 | 0.6  |                 | 1020 | 2.1 |
|                | 1439 | 1.9  |                 | 1441 | 0.6  |                 | 1532 | 2.1  |                 | 1621 | 0.6 |
|                | 2046 | 0.7  |                 | 2100 | 2.0  |                 | 2140 | 0.5  |                 | 2235 | 2.0 |
| <b>6</b><br>Fr | 0300 | 1.8  | <b>14</b><br>Sa | 0302 | 0.4  | <b>22</b><br>Su | 0409 | 2.0  | <b>30</b><br>Mo | 0435 | 0.5 |
|                | 0901 | 0.8  |                 | 0932 | 2.1  |                 | 1004 | 0.6  |                 | 1104 | 2.1 |
|                | 1528 | 1.9  |                 | 1528 | 0.6  |                 | 1630 | 2.1  |                 | 1706 | 0.6 |
|                | 2137 | 0.7  |                 | 2148 | 2.0  |                 | 2239 | 0.5  |                 | 2319 | 1.9 |
| <b>7</b><br>Sa | 0354 | 1.8  | <b>15</b><br>Su | 0347 | 0.4  | <b>23</b><br>Mo | 0510 | 2.0  | <b>31</b><br>Tu | 0517 | 0.5 |
|                | 0955 | 0.8  |                 | 1018 | 2.1  |                 | 1106 | 0.6  |                 | 1147 | 2.1 |
|                | 1618 | 1.9  |                 | 1616 | 0.5  |                 | 1727 | 2.1  |                 | 1750 | 0.6 |
|                | 2228 | 0.7  |                 | 2236 | 2.1  |                 | 2338 | 0.5  |                 |      |     |
| <b>8</b><br>Su | 0448 | 1.8  | <b>16</b><br>Mo | 0434 | 0.4  | <b>24</b><br>Tu | 0609 | 2.0  |                 |      |     |
|                | 1048 | 0.8  |                 | 1105 | 2.2  |                 | 1205 | 0.6  |                 |      |     |
|                | 1707 | 1.9  |                 | 1705 | 0.5  |                 | 1824 | 2.1  |                 |      |     |
|                | 2317 | 0.7  |                 | 2325 | 2.0  |                 |      |      |                 |      |     |

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