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# AUSTRALIA, SOUTH COAST – ALBANY

LAT 35° 02' S LONG 117° 53' E

# 2024

TIMES AND HEIGHTS OF HIGH AND LOW WATERS

TIME ZONE -0800

## JANUARY

| Time | m   | Time | m                            | Time | m                                      | Time | m   |
|------|---|------|------------------------------|------|--|------|---|
| 1    | 0014 1.01<br>0833 0.44<br>MO 1353 0.54<br>1505 0.54 | 9    | 0549 0.23<br>2127 1.22       | 17   | 0017 0.79<br>0845 0.54<br>WE 2018 0.75 | 25   | 0644 0.26<br>2239 1.15                              |
| 2    | 0031 0.94<br>0847 0.47<br>TU                        | 10   | 0617 0.16<br>2207 1.27       | 18   | 0614 0.51<br>1937 0.84<br>TH ●         | 26   | 0649 0.29<br>1259 0.55<br>FR 1504 0.54<br>2306 1.14 |
| 3    | 0034 0.87<br>0849 0.50<br>WE 2353 0.80              | 11   | 0650 0.13<br>2250 1.28<br>●  | 19   | 0547 0.41<br>1952 0.93<br>FR           | 27   | 0657 0.32<br>1253 0.56<br>SA 1548 0.52<br>2332 1.10 |
| 4    | 0832 0.53<br>2027 0.80<br>TH ●                      | 12   | 0728 0.13<br>2333 1.25       | 20   | 0546 0.31<br>2017 1.01<br>SA           | 28   | 0710 0.36<br>1243 0.60<br>SU 1623 0.52<br>2353 1.05 |
| 5    | 0734 0.53<br>1952 0.88<br>FR                        | 13   | 0807 0.18<br>SA              | 21   | 0600 0.25<br>2046 1.07<br>SU           | 29   | 0722 0.40<br>1252 0.65<br>MO 1656 0.55              |
| 6    | 0614 0.50<br>1958 0.97<br>SA                        | 14   | 0014 1.18<br>0844 0.27<br>SU | 22   | 0615 0.23<br>2114 1.12<br>MO           | 30   | 0009 0.98<br>0728 0.43<br>TU 1310 0.70<br>1727 0.59 |
| 7    | 0529 0.41<br>2020 1.06<br>SU                        | 15   | 0049 1.07<br>0910 0.37<br>MO | 23   | 0624 0.22<br>2143 1.15<br>TU           | 31   | 0017 0.91<br>0725 0.46<br>WE 1335 0.75<br>1802 0.64 |
| 8    | 0532 0.32<br>2050 1.15<br>MO                        | 16   | 0111 0.92<br>0903 0.47<br>TU | 24   | 0635 0.24<br>2211 1.16<br>WE           |      |   |

## FEBRUARY

| Time | m  | Time | m   | Time | m   | Time | m   |
|------|--|------|---|------|---|------|---|
| 1    | 0011 0.83<br>0717 0.47<br>TH * 1405 0.80 | 9    | 0628 0.12<br>1300 0.62<br>FR 1534 0.58<br>2258 1.27 | 17   | 0508 0.29<br>1359 0.93<br>SA 1651 0.91<br>1926 0.92 | 25   | 0608 0.39<br>1158 0.73<br>SU 1638 0.54<br>2322 1.05 |
| 2    | 0653 0.48<br>1446 0.84<br>FR             | 10   | 0656 0.17<br>1304 0.61<br>SA 1620 0.54<br>2340 1.21 | 18   | 0522 0.24<br>2012 0.98<br>SU                        | 26   | 0618 0.42<br>1202 0.79<br>MO 1710 0.53<br>2341 0.99 |
| 3    | 0620 0.45<br>1615 0.88<br>SA ●           | 11   | 0719 0.25<br>1321 0.63<br>SU 1705 0.53              | 19   | 0539 0.23<br>2048 1.03<br>MO                        | 27   | 0621 0.45<br>1214 0.85<br>TU 1745 0.55<br>2353 0.91 |
| 4    | 0543 0.41<br>1900 0.95<br>SU             | 12   | 0017 1.10<br>0732 0.36<br>MO 1339 0.67<br>1753 0.55 | 20   | 0550 0.25<br>2120 1.07<br>TU                        | 28   | 0619 0.48<br>1230 0.90<br>WE 1822 0.58<br>2355 0.83 |
| 5    | 0520 0.33<br>1959 1.05<br>MO             | 13   | 0043 0.95<br>0735 0.47<br>TU 1348 0.73<br>1852 0.60 | 21   | 0553 0.28<br>2147 1.10<br>WE                        | 29   | 0614 0.49<br>1247 0.95<br>TH 1904 0.62<br>2342 0.76 |
| 6    | 0522 0.24<br>2046 1.14<br>TU             | 14   | 0045 0.78<br>0706 0.54<br>WE * 1341 0.80            | 22   | 0556 0.30<br>1247 0.67<br>TH 1503 0.65<br>2211 1.11 |      |   |
| 7    | 0537 0.17<br>2131 1.22<br>WE             | 15   | 0525 0.50<br>1343 0.86<br>TH                        | 23   | 0556 0.33<br>1207 0.67<br>FR 1538 0.60<br>2236 1.11 |      |   |
| 8    | 0600 0.12<br>2215 1.27<br>TH             | 16   | 0504 0.38<br>1338 0.91<br>FR ●                      | 24   | 0558 0.36<br>1202 0.69<br>SA 1608 0.56<br>2259 1.09 |      |   |

## MARCH

| Time | m   | Time | m   | Time | m   | Time | m   |
|------|---|------|---|------|---|------|---|
| 1    | 0554 0.49<br>1306 0.98<br>FR 2007 0.67<br>2301 0.70 | 9    | 0547 0.23<br>1156 0.76<br>SA 1616 0.56<br>2257 1.20 | 17   | 0421 0.29<br>1301 1.04<br>SU ●                      | 25   | 0510 0.50<br>1111 0.94<br>MO 1706 0.55<br>2308 0.97 |
| 2    | 0532 0.47<br>1328 1.00<br>SA                        | 10   | 0605 0.31<br>1208 0.80<br>SU 1701 0.51<br>2338 1.11 | 18   | 0443 0.29<br>1323 0.98<br>MO 1703 0.93<br>1958 0.96 | 26   | 0511 0.53<br>1121 1.01<br>TU 1738 0.54<br>2329 0.90 |
| 3    | 0514 0.43<br>1358 1.00<br>SU ●                      | 11   | 0617 0.42<br>1222 0.85<br>MO 1748 0.50              | 19   | 0500 0.32<br>1327 0.90<br>TU 1552 0.89<br>2039 0.99 | 27   | 0510 0.55<br>1135 1.07<br>WE 1813 0.55<br>2344 0.82 |
| 4    | 0444 0.37<br>1520 0.98<br>MO                        | 12   | 0014 0.96<br>0621 0.52<br>TU 1231 0.92<br>1839 0.52 | 20   | 0505 0.36<br>1300 0.83<br>WE 1510 0.82<br>2109 1.03 | 28   | 0507 0.56<br>1151 1.11<br>TH 1852 0.57<br>2344 0.74 |
| 5    | 0440 0.30<br>1946 1.05<br>TU                        | 13   | 0035 0.79<br>0553 0.59<br>WE * 1235 0.98            | 21   | 0503 0.40<br>1205 0.79<br>TH 1521 0.74<br>2135 1.05 | 29   | 0447 0.56<br>1209 1.14<br>FR 1939 0.60<br>2316 0.67 |
| 6    | 0447 0.24<br>2042 1.14<br>WE                        | 14   | 0418 0.55<br>1241 1.04<br>TH                        | 22   | 0458 0.43<br>1124 0.80<br>FR 1545 0.68<br>2159 1.06 | 30   | 0429 0.54<br>1227 1.15<br>SA 2051 0.64<br>2208 0.64 |
| 7    | 0503 0.19<br>2129 1.21<br>TH                        | 15   | 0356 0.43<br>1234 1.07<br>FR                        | 23   | 0456 0.45<br>1112 0.83<br>SA 1611 0.62<br>2222 1.05 | 31   | 0414 0.50<br>1248 1.14<br>SU                        |
| 8    | 0525 0.19<br>1158 0.74<br>FR 1530 0.64<br>2214 1.24 | 16   | 0400 0.34<br>1240 1.07<br>SA                        | 24   | 0503 0.47<br>1108 0.88<br>SU 1637 0.58<br>2246 1.02 |      |   |

## APRIL

| Time | m   | Time | m   | Time | m   | Time | m   |
|------|---|------|---|------|---|------|---|
| 1    | 0345 0.45<br>1316 1.11<br>MO                        | 9    | 0504 0.61<br>1126 1.11<br>TU ●                      | 17   | 0409 0.46<br>1231 0.96<br>WE 1628 0.92<br>2001 0.96 | 25   | 0356 0.66<br>1057 1.26<br>TH 1833 0.54<br>2359 0.74   |
| 2    | 0341 0.39<br>1358 1.05<br>TU ●                      | 10   | 0022 0.80<br>0437 0.67<br>WE 1137 1.17<br>1902 0.50 | 18   | 0406 0.51<br>1139 0.91<br>TH 1530 0.86<br>2038 0.98 | 26   | 0335 0.65<br>1118 1.29<br>FR 1917 0.55                |
| 3    | 0346 0.34<br>1923 1.06<br>WE                        | 11   | 0106 0.64<br>0300 0.63<br>TH 1151 1.21              | 19   | 0354 0.55<br>1047 0.90<br>FR 1525 0.79<br>2109 0.99 | 27   | 0021 0.66<br>0321 0.62<br>SA 1141 1.29<br>* 2013 0.57 |
| 4    | 0400 0.31<br>1200 0.87<br>TH 1404 0.86<br>2029 1.13 | 12   | 0144 0.51<br>1157 1.22<br>FR                        | 20   | 0347 0.57<br>1020 0.94<br>SA 1548 0.72<br>2137 0.99 | 28   | 1207 1.27<br>SU *                                     |
| 5    | 0418 0.32<br>1106 0.86<br>FR 1501 0.74<br>2120 1.16 | 13   | 0225 0.42<br>1156 1.21<br>SA                        | 21   | 0352 0.59<br>1011 1.01<br>SU 1616 0.66<br>2206 0.97 | 29   | 0210 0.53<br>1236 1.23<br>MO                          |
| 6    | 0437 0.36<br>1053 0.89<br>SA 1547 0.64<br>2208 1.15 | 14   | 0302 0.38<br>1210 1.17<br>SU                        | 22   | 0356 0.62<br>1014 1.08<br>MO 1647 0.61<br>2235 0.93 | 30   | 0214 0.48<br>1311 1.17<br>TU                          |
| 7    | 0452 0.43<br>1101 0.95<br>SU 1632 0.55<br>2254 1.07 | 15   | 0333 0.38<br>1231 1.11<br>MO                        | 23   | 0356 0.64<br>1025 1.15<br>TU 1720 0.57<br>2303 0.88 |      |   |
| 8    | 0501 0.53<br>1114 1.03<br>MO 1720 0.50<br>2339 0.95 | 16   | 0358 0.41<br>1246 1.03<br>TU ●                      | 24   | 0358 0.65<br>1039 1.21<br>WE 1755 0.54<br>2332 0.81 |      |   |

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Datum of Predictions is Lowest Astronomical Tide

\* Extra Tides

Moon Phase Symbols

● New Moon

◐ First Quarter

○ Full Moon

◑ Last Quarter

# AUSTRALIA, SOUTH COAST – ALBANY

LAT 35° 02' S LONG 117° 53' E

# 2024

TIMES AND HEIGHTS OF HIGH AND LOW WATERS

TIME ZONE -0800

## MAY

| Time | m  | Time | m                      | Time | m  | Time | m  |
|------|--|------|------------------------|------|--|------|--|
| 1    | 0230 0.45<br>1434 1.09                           | 9    | 1058 1.34<br>2010 0.48 | 17   | 0245 0.66<br>1028 0.96<br>1620 0.89<br>1935 0.91 | 25   | 1103 1.38<br>1949 0.50                           |
| 2    | 0250 0.44<br>1838 1.05                           | 10   | 1118 1.34<br>2315 0.49 | 18   | 0227 0.68<br>0931 1.00<br>1543 0.82<br>2038 0.91 | 26   | 1136 1.36<br>2124 0.52                           |
| 3    | 0309 0.46<br>1020 0.93<br>1416 0.86<br>2012 1.06 | 11   | 1132 1.31              | 19   | 0228 0.70<br>0913 1.06<br>1559 0.75<br>2124 0.89 | 27   | 1214 1.32<br>2342 0.52                           |
| 4    | 0324 0.51<br>0949 0.98<br>1513 0.74<br>2113 1.05 | 12   | 0123 0.47<br>1141 1.26 | 20   | 0229 0.72<br>0914 1.14<br>1628 0.67<br>2204 0.87 | 28   | 1257 1.25  |
| 5    | 0336 0.57<br>0952 1.06<br>1604 0.63<br>2209 0.99 | 13   | 0215 0.48<br>1159 1.20 | 21   | 0235 0.73<br>0926 1.22<br>1701 0.60<br>2243 0.84 | 29   | 0050 0.51<br>1347 1.17                           |
| 6    | 0343 0.65<br>1006 1.15<br>1654 0.54<br>2303 0.91 | 14   | 0251 0.51<br>1224 1.13 | 22   | 0243 0.74<br>0943 1.29<br>1736 0.55<br>2324 0.79 | 30   | 0128 0.53<br>1450 1.07                           |
| 7    | 0342 0.71<br>1022 1.24<br>1746 0.49              | 15   | 0309 0.56<br>1243 1.06 | 23   | 0241 0.73<br>1005 1.35<br>1814 0.51              | 31   | 0154 0.58<br>0947 0.95<br>1240 0.94<br>1736 0.97 |
| 8    | 0000 0.80<br>0317 0.74<br>1039 1.31<br>1845 0.47 | 16   | 0306 0.62<br>1210 0.99 | 24   | 1032 1.38<br>1857 0.50                           |      |  |

## JUNE

| Time | m  | Time | m                                   | Time | m  | Time | m                      |
|------|--|------|-------------------------------------|------|--|------|------------------------|
| 1    | 0208 0.64<br>0849 1.00<br>1501 0.82<br>2012 0.92 | 9    | 1132 1.31<br>2338 0.54              | 17   | 0012 0.78<br>0815 1.11<br>1706 0.70<br>2231 0.79 | 25   | 1233 1.30<br>2157 0.50 |
| 2    | 0211 0.70<br>0847 1.09<br>1559 0.70<br>2137 0.87 | 10   | 1152 1.25                           | 18   | 0026 0.79<br>0827 1.20<br>1710 0.62<br>2328 0.79 | 26   | 1314 1.21<br>2254 0.57 |
| 3    | 0214 0.75<br>0902 1.19<br>1653 0.59<br>2300 0.83 | 11   | 0128 0.58<br>1211 1.19              | 19   | 0024 0.79<br>0848 1.27<br>1731 0.54              | 27   | 1349 1.09<br>2339 0.64 |
| 4    | 0203 0.79<br>0921 1.28<br>1743 0.50              | 12   | 0213 0.63<br>1232 1.13              | 20   | 0916 1.34<br>1800 0.48                           | 28   | 1403 0.96<br>2358 0.71 |
| 5    | 0943 1.35<br>1833 0.45                           | 13   | 0205 0.69<br>1251 1.06<br>2334 0.73 | 21   | 0949 1.38<br>1835 0.43                           | 29   | 0754 0.94<br>2052 0.78 |
| 6    | 1009 1.39<br>1923 0.43                           | 14   | 1236 0.99<br>2321 0.75              | 22   | 1027 1.40<br>1916 0.42                           | 30   | 0747 1.04<br>1708 0.67 |
| 7    | 1037 1.39<br>2014 0.45                           | 15   | 0912 0.97<br>2347 0.76              | 23   | 1107 1.40<br>2002 0.42                           |      |                        |
| 8    | 1106 1.36<br>2113 0.50                           | 16   | 0818 1.03<br>1748 0.78<br>2102 0.79 | 24   | 1150 1.36<br>2056 0.45                           |      |                        |

## JULY

| Time | m                      | Time | m  | Time | m  | Time | m  |
|------|------------------------|------|--|------|--|------|--|
| 1    | 0804 1.13<br>1724 0.56 | 9    | 1158 1.20<br>2003 0.59                           | 17   | 0753 1.16<br>1727 0.50                           | 25   | 0246 0.72<br>0523 0.70<br>1309 1.07<br>2032 0.61 |
| 2    | 0829 1.22<br>1748 0.47 | 10   | 0111 0.68<br>0333 0.67<br>1217 1.14<br>2015 0.62 | 18   | 0829 1.24<br>1739 0.42                           | 26   | 0320 0.77<br>0627 0.76<br>1319 0.92<br>2026 0.68 |
| 3    | 0858 1.29<br>1815 0.41 | 11   | 0122 0.73<br>0414 0.71<br>1228 1.07<br>2022 0.65 | 19   | 0909 1.30<br>1801 0.36                           | 27   | 0406 0.84<br>1809 0.67                           |
| 4    | 0930 1.33<br>1844 0.39 | 12   | 0202 0.79<br>0449 0.77<br>1235 1.00<br>2013 0.67 | 20   | 0951 1.35<br>1829 0.33                           | 28   | 0628 0.93<br>1721 0.56                           |
| 5    | 1002 1.35<br>1913 0.40 | 13   | 1212 0.93<br>1958 0.68                           | 21   | 1034 1.38<br>1901 0.33                           | 29   | 0706 1.02<br>1713 0.45                           |
| 6    | 1034 1.33<br>1939 0.44 | 14   | 0719 0.92<br>1911 0.68                           | 22   | 1117 1.36<br>1934 0.36                           | 30   | 0745 1.10<br>1732 0.38                           |
| 7    | 1106 1.30<br>1955 0.49 | 15   | 0700 1.00<br>1818 0.64                           | 23   | 0155 0.67<br>0346 0.67<br>1159 1.30<br>2004 0.43 | 31   | 0824 1.16<br>1751 0.34                           |
| 8    | 1134 1.26<br>1956 0.54 | 16   | 0721 1.08<br>1728 0.58                           | 24   | 0217 0.68<br>0433 0.67<br>1238 1.20<br>2024 0.51 |      |  |

## AUGUST

| Time | m  | Time | m  | Time | m  | Time | m  |
|------|--|------|--|------|--|------|--|
| 1    | 0902 1.21<br>1807 0.34                           | 9    | 0043 0.83<br>0546 0.67<br>1206 0.96<br>1855 0.59 | 17   | 0911 1.24<br>1734 0.27                           | 25   | 0125 0.95<br>1620 0.47                           |
| 2    | 0937 1.23<br>1822 0.36                           | 10   | 0106 0.88<br>0630 0.72<br>1202 0.88<br>1846 0.59 | 18   | 0954 1.29<br>1758 0.26                           | 26   | 0118 0.98<br>1619 0.36                           |
| 3    | 1008 1.24<br>1836 0.39                           | 11   | 0133 0.92<br>0735 0.77<br>1127 0.82<br>1817 0.59 | 19   | 0017 0.70<br>0325 0.64<br>1037 1.30<br>1823 0.29 | 27   | 0127 0.99<br>0553 0.95<br>1642 0.30              |
| 4    | 1036 1.23<br>1842 0.43                           | 12   | 0208 0.95<br>1753 0.56                           | 20   | 0025 0.71<br>0412 0.59<br>1118 1.26<br>1845 0.36 | 28   | 0201 0.95<br>0315 0.95<br>0747 1.01<br>1706 0.28 |
| 5    | 1044 0.67<br>0311 0.65<br>1102 1.20<br>1843 0.47 | 13   | 0301 0.97<br>1718 0.51                           | 21   | 0043 0.73<br>0459 0.56<br>1158 1.16<br>1900 0.46 | 29   | 0832 1.06<br>1722 0.29                           |
| 6    | 0036 0.68<br>0353 0.63<br>1126 1.16<br>1852 0.51 | 14   | 0553 1.00<br>1659 0.44                           | 22   | 0059 0.77<br>0551 0.57<br>1232 1.01<br>1909 0.55 | 30   | 0909 1.09<br>1731 0.33                           |
| 7    | 0019 0.72<br>0430 0.62<br>1146 1.10<br>1902 0.54 | 15   | 0736 1.07<br>1702 0.37                           | 23   | 0109 0.83<br>0652 0.60<br>1252 0.84<br>1847 0.62 | 31   | 0940 1.11<br>1736 0.37                           |
| 8    | 0026 0.78<br>0507 0.64<br>1201 1.03<br>1903 0.57 | 16   | 0827 1.16<br>1714 0.31                           | 24   | 0116 0.89<br>0807 0.66<br>1108 0.69<br>1651 0.59 |      |  |

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Datum of Predictions is Lowest Astronomical Tide

Moon Phase Symbols ● New Moon ○ First Quarter ○ Full Moon ● Last Quarter

# AUSTRALIA, SOUTH COAST – ALBANY

LAT 35° 02' S LONG 117° 53' E

# 2024

TIMES AND HEIGHTS OF HIGH AND LOW WATERS

TIME ZONE -0800

## SEPTEMBER

## OCTOBER

| Time | m         | Time | m         | Time | m         | Time | m         | Time | m         | Time | m         | Time | m         |    |           |
|------|-----------|------|-----------|------|-----------|------|-----------|------|-----------|------|-----------|------|-----------|----|-----------|
| 1    | 1005 1.11 | 9    | 0037 1.00 | 17   | 0355 0.53 | 25   | 0028 0.99 | 1    | 0401 0.54 | 9    | 0019 1.05 | 17   | 0459 0.36 | 25 | 0541 0.80 |
|      | 1736 0.40 |      | 0808 0.65 |      | 1032 1.16 |      | 1603 0.24 |      | 1011 0.95 |      | 1511 0.39 |      | 1118 0.84 |    | 0650 0.81 |
| SU   | 2339 0.71 | MO   | 1044 0.68 | TU   | 1730 0.34 | WE   | 1637 0.46 | WE   | 1632 0.46 | WE   | 1630 0.53 | TH   | 1630 0.53 | FR | 1539 0.34 |
| *    |           |      | 1656 0.50 |      | 2329 0.81 |      | 2231 0.86 |      | 2231 0.86 |      | 2251 1.05 |      | 2251 1.05 |    | 2340 0.83 |
| 2    | 0342 0.61 | 10   | 0058 1.01 | 18   | 0441 0.47 | 26   | 0043 0.92 | 2    | 0429 0.50 | 10   | 0045 1.01 | 18   | 0551 0.33 | 26 | 0413 0.76 |
|      | 1028 1.10 |      | 1635 0.46 |      | 1115 1.07 |      | 0430 0.87 |      | 1033 0.91 |      | 1508 0.35 |      | 1210 0.70 |    | 0754 0.81 |
| MO   | 1735 0.43 | TU   |           | WE   | 1744 0.43 | TH   | 0739 0.91 | WE   | 1637 0.48 | TH   |           | FR   | 1609 0.58 | SA | 1538 0.41 |
|      | 2333 0.74 |      |           |      | 2343 0.87 |      | 1625 0.27 |      | 2237 0.92 |      |           |      | 2308 1.11 |    | 2247 0.79 |
| 3    | 0407 0.57 | 11   | 0125 0.99 | 19   | 0529 0.44 | 27   | 0036 0.84 | 3    | 0458 0.47 | 11   | 0123 0.95 | 19   | 0647 0.34 | 27 | 0335 0.70 |
|      | 1049 1.07 |      | 1613 0.41 |      | 1155 0.93 |      | 0335 0.82 |      | 1056 0.86 |      | 1513 0.30 |      | 2325 1.14 |    | 0833 0.82 |
| TU   | 1743 0.46 | WE   |           | TH   | 1751 0.53 | FR   | 0827 0.94 | TH   | 1635 0.50 | FR   |           | SA   |           | SU | 1526 0.45 |
|      | 2326 0.78 |      |           |      | 2355 0.93 |      | 1636 0.32 |      | 2249 0.98 |      |           |      |           |    | 2204 0.80 |
| 4    | 0435 0.55 | 12   | 0217 0.96 | 20   | 0622 0.44 | 28   | 0900 0.96 | 4    | 0531 0.45 | 12   | 0643 0.93 | 20   | 0902 0.37 | 28 | 0326 0.63 |
|      | 1110 1.02 |      | 1611 0.35 |      | 1233 0.76 |      | 1636 0.37 |      | 1118 0.79 |      | 1526 0.28 |      | 0903 0.82 |    | 0903 0.82 |
| WE   | 1751 0.49 | TH   |           | FR   | 1724 0.59 | SA   | 2320 0.74 | FR   | 1635 0.52 | SA   | 2308 0.78 | SU   | 2336 1.14 | MO | 1516 0.48 |
|      | 2332 0.84 |      |           |      |           |      |           |      | 2303 1.03 |      |           |      |           |    | 2144 0.85 |
| 5    | 0507 0.54 | 13   | 0724 0.99 | 21   | 0007 0.99 | 29   | 0312 0.66 | 5    | 0606 0.45 | 13   | 0146 0.76 | 21   | 1319 0.30 | 29 | 0343 0.56 |
|      | 1129 0.96 |      | 1618 0.29 |      | 0721 0.48 |      | 0926 0.97 |      | 1136 0.71 |      | 0802 0.99 |      | 2334 1.10 |    | 0931 0.81 |
| TH   | 1749 0.52 | FR   |           | SA   | 1243 0.58 | SU   | 1630 0.41 | SA   | 1627 0.52 | SU   | 1543 0.27 | MO   |           | TU | 1519 0.49 |
|      | 2343 0.90 |      |           |      | 1538 0.55 |      | 2244 0.76 |      | 2320 1.07 |      | 2221 0.78 |      |           |    | 2139 0.92 |
| 6    | 0542 0.55 | 14   | 0821 1.08 | 22   | 0017 1.03 | 30   | 0335 0.59 | 6    | 0645 0.47 | 14   | 0237 0.65 | 22   | 1414 0.25 | 30 | 0410 0.50 |
|      | 1142 0.88 |      | 1632 0.25 |      | 1439 0.42 |      | 0950 0.97 |      | 1137 0.64 |      | 0854 1.02 |      | 2343 1.05 |    | 0959 0.79 |
| FR   | 1744 0.53 | SA   | 2339 0.75 | SU   |           | MO   | 1626 0.44 | SU   | 1605 0.51 | MO   | 1600 0.31 | TU   |           | WE | 1521 0.51 |
|      | 2359 0.95 |      |           |      |           |      | 2235 0.80 |      | 2339 1.08 |      | 2211 0.82 |      |           |    | 2145 0.99 |
| 7    | 0620 0.57 | 15   | 0219 0.71 | 23   | 0010 1.05 |      |           | 7    | 0730 0.50 | 15   | 0324 0.53 | 23   | 1453 0.25 | 31 | 0440 0.45 |
|      | 1143 0.80 |      | 0907 1.15 |      | 1501 0.31 |      |           |      | 1111 0.57 |      | 0942 1.01 |      | 2357 0.98 |    | 1028 0.75 |
| SA   | 1736 0.54 | SU   | 1651 0.24 | MO   |           |      |           | MO   | 1555 0.48 | TU   | 1615 0.37 | WE   |           | TH | 1522 0.52 |
|      |           |      | 2315 0.74 |      |           |      |           |      | 2358 1.08 |      | 2221 0.89 |      |           |    | 2157 1.06 |
| 8    | 0017 0.98 | 16   | 0309 0.62 | 24   | 0012 1.04 |      |           | 8    | 0835 0.54 | 16   | 0411 0.43 | 24   | 1523 0.28 |    |           |
|      | 0704 0.61 |      | 0950 1.18 |      | 1533 0.25 |      |           |      | 1001 0.54 |      | 1030 0.95 |      | 2359 0.90 |    |           |
| SU   | 1129 0.73 | MO   | 1712 0.27 | TU   |           |      |           | TU   | 1533 0.44 | WE   | 1627 0.45 | TH   |           |    |           |
|      | 1710 0.53 |      | 2316 0.76 |      |           |      |           |      |           |      | 2236 0.97 |      |           |    |           |

## NOVEMBER

## DECEMBER

| Time | m         | Time | m         | Time | m         | Time | m         | Time | m         | Time | m         | Time | m         |    |           |
|------|-----------|------|-----------|------|-----------|------|-----------|------|-----------|------|-----------|------|-----------|----|-----------|
| 1    | 0513 0.40 | 9    | 0134 0.94 | 17   | 0745 0.24 | 25   | 0553 0.67 | 1    | 0610 0.30 | 9    | 0138 0.79 | 17   | 0836 0.23 | 25 | 0638 0.52 |
|      | 1057 0.70 |      | 1417 0.33 |      | 2303 1.22 |      | 0739 0.67 |      | 2215 1.21 |      | 1322 0.47 |      | 2331 1.16 |    | 2012 0.94 |
| FR   | 1526 0.53 | SA   |           | SU   |           | MO   | 1354 0.54 | SU   |           | MO   | 2029 0.82 | TU   |           | WE |           |
|      | 2211 1.11 |      |           |      |           |      | 2107 0.85 |      |           |      |           |      |           |    |           |
| 2    | 0548 0.38 | 10   | 0521 0.86 | 18   | 0924 0.26 | 26   | 0436 0.61 | 2    | 0647 0.29 | 10   | 0325 0.65 | 18   | 0924 0.31 | 26 | 0543 0.46 |
|      | 1127 0.64 |      | 1435 0.34 |      | 2323 1.17 |      | 0850 0.66 |      | 2244 1.21 |      | 0728 0.67 |      | 2353 1.09 |    | 2023 1.02 |
| SA   | 1521 0.53 | SU   | 2145 0.79 | MO   |           | TU   | 1351 0.55 | MO   |           | TU   | 1330 0.53 | WE   |           | TH |           |
|      | 2230 1.15 |      |           |      |           |      | 2053 0.92 |      |           |      | 2024 0.91 |      |           |    |           |
| 3    | 0625 0.37 | 11   | 0157 0.72 | 19   | 1156 0.27 | 27   | 0430 0.54 | 3    | 0727 0.29 | 11   | 0406 0.51 | 19   | 1150 0.38 | 27 | 0536 0.39 |
|      | 1155 0.58 |      | 0734 0.85 |      | 2331 1.11 |      | 0936 0.65 |      | 2317 1.19 |      | 0938 0.64 |      | 2044 1.10 |    |           |
| SU   | 1505 0.51 | MO   | 1448 0.38 | TU   |           | WE   | 1354 0.56 | TU   |           | WE   | 1337 0.58 | TH   |           | FR |           |
|      | 2252 1.16 |      | 2114 0.85 |      |           |      | 2056 1.00 |      |           |      | 2039 1.02 |      |           |    |           |
| 4    | 0706 0.38 | 12   | 0255 0.59 | 20   | 1329 0.28 | 28   | 0442 0.46 | 4    | 0816 0.31 | 12   | 0449 0.38 | 20   | 0000 1.01 | 28 | 0546 0.32 |
|      | 2316 1.15 |      | 0847 0.84 |      | 2340 1.03 |      | 1016 0.64 |      | 2352 1.15 |      | 1127 0.63 |      | 1342 0.45 |    | 2111 1.16 |
| MO   |           | TU   | 1500 0.43 | WE   |           | TH   | 1403 0.56 | WE   |           | TH   | 1329 0.61 | FR   |           | SA |           |
|      |           |      | 2119 0.93 |      |           |      | 2108 1.08 |      |           |      | 2101 1.12 |      |           |    |           |
| 5    | 0754 0.40 | 13   | 0347 0.47 | 21   | 1416 0.32 | 29   | 0506 0.40 | 5    | 0940 0.34 | 13   | 0534 0.27 | 21   | 0006 0.94 | 29 | 0604 0.27 |
|      | 2341 1.12 |      | 0947 0.80 |      | 2356 0.96 |      | 1054 0.62 |      |           |      | 2128 1.20 |      | 0915 0.50 |    | 2142 1.21 |
| TU   |           | WE   | 1509 0.50 | TH   |           | FR   | 1413 0.56 | TH   |           | FR   |           | SA   |           | SU |           |
|      |           |      | 2134 1.03 |      |           |      | 2126 1.14 |      |           |      |           |      |           |    |           |
| 6    | 1324 0.40 | 14   | 0439 0.36 | 22   | 1443 0.38 | 30   | 0536 0.34 | 6    | 0029 1.09 | 14   | 0619 0.19 | 22   | 0014 0.87 | 30 | 0628 0.23 |
|      |           |      | 1047 0.73 |      |           |      | 1132 0.59 |      | 1127 0.36 |      | 2158 1.24 |      | 0915 0.53 |    | 2216 1.23 |
| WE   |           | TH   | 1511 0.56 | FR   |           | SA   | 1413 0.56 | FR   |           | SA   |           | SU   | 2336 0.82 | MO |           |
|      |           |      | 2152 1.12 |      |           |      | 2148 1.19 |      |           |      |           |      |           |    |           |
| 7    | 0009 1.08 | 15   | 0532 0.28 | 23   | 0001 0.88 |      |           | 7    | 0109 1.01 | 15   | 0704 0.16 | 23   | 0835 0.54 | 31 | 0657 0.21 |
|      | 1339 0.36 |      | 1150 0.63 |      | 1446 0.45 |      |           |      | 1238 0.38 |      | 2230 1.25 |      | 2118 0.81 |    | 2253 1.23 |
| TH   |           | FR   | 1453 0.59 | SA   | 2317 0.82 |      |           | SA   |           | SU   |           | MO   |           | TU |           |
|      |           |      | 2214 1.19 |      |           |      |           |      |           |      |           |      |           |    |           |
| 8    | 0043 1.02 | 16   | 0632 0.24 | 24   | 1426 0.51 |      |           | 8    | 0149 0.91 | 16   | 0749 0.18 | 24   | 0751 0.54 |    |           |
|      | 1358 0.33 |      | 2238 1.22 |      | 2156 0.81 |      |           |      | 1309 0.42 |      | 2302 1.22 |      | 2018 0.87 |    |           |
| FR   |           | SA   |           | SU   |           |      |           | SU   |           | MO   |           | TU   |           |    |           |
|      |           |      |           |      |           |      |           |      |           |      |           |      |           |    |           |

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Datum of Predictions is Lowest Astronomical Tide

\* Extra Tides

Moon Phase Symbols ● New Moon ○ First Quarter ○ Full Moon ○ Last Quarter

# FLINDERS BAY – WESTERN AUSTRALIA

LAT 34° 20' S LONG 115° 10' E

# 2024

TIMES AND HEIGHTS OF HIGH AND LOW WATERS

LOCAL TIME

## JANUARY

## FEBRUARY

| Time | m            | Time         | m  | Time                 | m                    | Time | m            |              |    |                              |                              |
|------|--------------|--------------|----|----------------------|----------------------|------|--------------|--------------|----|------------------------------|------------------------------|
| 1    | 0906<br>2340 | 0.51<br>0.95 | 9  | 0533<br>2036         | 0.19<br>1.20         | 17   | 0859<br>1856 | 0.61<br>0.81 | 25 | 0659<br>2151                 | 0.24<br>1.12                 |
| MO   |              |              | TU |                      |                      | WE   |              |              | TH |                              |                              |
| 2    | 0911<br>2330 | 0.56<br>0.89 | 10 | 0612<br>2117         | 0.13<br>1.24         | 18   | 0520<br>1844 | 0.52<br>0.89 | 26 | 0715<br>2222                 | 0.30<br>1.11                 |
| TU   |              |              | WE |                      |                      | TH   | ☉            |              | FR | ☉                            |                              |
| 3    | 0814<br>2130 | 0.59<br>0.84 | 11 | 0658<br>2204         | 0.10<br>1.25         | 19   | 0447<br>1853 | 0.38<br>0.97 | 27 | 0720<br>2251                 | 0.38<br>1.08                 |
| WE   |              |              | TH | ●                    |                      | FR   |              |              | SA |                              |                              |
| 4    | 0752<br>2004 | 0.60<br>0.86 | 12 | 0747<br>2255         | 0.11<br>1.22         | 20   | 0506<br>1915 | 0.27<br>1.03 | 28 | 0718<br>1319<br>1449<br>2314 | 0.44<br>0.58<br>0.57<br>1.03 |
| TH   | ☉            |              | FR |                      |                      | SA   |              |              | SU |                              |                              |
| 5    | 0640<br>1942 | 0.57<br>0.91 | 13 | 0839<br>2346         | 0.17<br>1.14         | 21   | 0534<br>1945 | 0.20<br>1.07 | 29 | 0720<br>1321<br>1526<br>2323 | 0.50<br>0.63<br>0.61<br>0.97 |
| FR   |              |              | SA |                      |                      | SU   |              |              | MO |                              |                              |
| 6    | 0501<br>1920 | 0.50<br>0.98 | 14 | 0931                 | 0.26                 | 22   | 0600<br>2017 | 0.16<br>1.09 | 30 | 0710<br>1253<br>1556<br>2303 | 0.55<br>0.69<br>0.66<br>0.91 |
| SA   |              |              | SU |                      |                      | MO   |              |              | TU |                              |                              |
| 7    | 0455<br>1932 | 0.40<br>1.06 | 15 | 0032<br>1019         | 1.03<br>0.38         | 23   | 0622<br>2049 | 0.16<br>1.11 | 31 | 0646<br>1308<br>1626<br>2245 | 0.57<br>0.75<br>0.72<br>0.85 |
| SU   |              |              | MO |                      |                      | TU   |              |              | WE |                              |                              |
| 8    | 0505<br>2000 | 0.29<br>1.14 | 16 | 0047<br>1048<br>2134 | 0.89<br>0.50<br>0.78 | 24   | 0640<br>2120 | 0.19<br>1.12 |    |                              |                              |
| MO   |              |              | TU |                      |                      | WE   |              |              |    |                              |                              |

| Time | m                            | Time                         | m  | Time                         | m                            | Time | m                            |                              |    |                              |                              |
|------|------------------------------|------------------------------|----|------------------------------|------------------------------|------|------------------------------|------------------------------|----|------------------------------|------------------------------|
| 1    | 0633<br>1344<br>1659<br>2033 | 0.57<br>0.80<br>0.79<br>0.81 | 9  | 0626<br>2212                 | 0.14<br>1.25                 | 17   | 0404<br>1711                 | 0.27<br>0.98                 | 25 | 0559<br>1200<br>1539<br>2240 | 0.47<br>0.70<br>0.61<br>1.02 |
| TH   |                              |                              | FR |                              |                              | SA   |                              |                              | SU |                              |                              |
| 2    | 0553<br>1841                 | 0.56<br>0.86                 | 10 | 0703<br>2307                 | 0.20<br>1.17                 | 18   | 0436<br>1840                 | 0.22<br>1.02                 | 26 | 0600<br>1155<br>1616<br>2300 | 0.52<br>0.75<br>0.62<br>0.95 |
| FR   |                              |                              | SA | ●                            |                              | SU   |                              |                              | MO |                              |                              |
| 3    | 0526<br>1739                 | 0.51<br>0.93                 | 11 | 0738                         | 0.30                         | 19   | 0505<br>1940                 | 0.21<br>1.04                 | 27 | 0548<br>1149<br>1655<br>2305 | 0.55<br>0.81<br>0.64<br>0.87 |
| SA   | ☉                            |                              | SU |                              |                              | MO   |                              |                              | TU |                              |                              |
| 4    | 0426<br>1820                 | 0.43<br>1.02                 | 12 | 0000<br>0800<br>1355<br>1651 | 1.05<br>0.43<br>0.67<br>0.65 | 20   | 0528<br>2024                 | 0.23<br>1.07                 | 28 | 0532<br>1200<br>1736<br>2229 | 0.57<br>0.86<br>0.67<br>0.80 |
| SU   |                              |                              | MO |                              |                              | TU   |                              |                              | WE |                              |                              |
| 5    | 0425<br>1900                 | 0.33<br>1.11                 | 13 | 0049<br>0754<br>1413         | 0.88<br>0.56<br>0.74         | 21   | 0543<br>2100                 | 0.27<br>1.09                 | 29 | 0519<br>1215<br>1832<br>2201 | 0.58<br>0.91<br>0.71<br>0.74 |
| MO   |                              |                              | TU |                              |                              | WE   |                              |                              | TH |                              |                              |
| 6    | 0443<br>1944                 | 0.24<br>1.19                 | 14 | 0602<br>1438                 | 0.62<br>0.82                 | 22   | 0550<br>2129                 | 0.31<br>1.10                 |    |                              |                              |
| TU   |                              |                              | WE |                              |                              | TH   |                              |                              |    |                              |                              |
| 7    | 0512<br>2030                 | 0.17<br>1.25                 | 15 | 0411<br>1509                 | 0.51<br>0.90                 | 23   | 0556<br>2151                 | 0.37<br>1.09                 |    |                              |                              |
| WE   |                              |                              | TH |                              |                              | FR   |                              |                              |    |                              |                              |
| 8    | 0547<br>2119                 | 0.13<br>1.28                 | 16 | 0335<br>1408                 | 0.37<br>0.95                 | 24   | 0558<br>1157<br>1456<br>2215 | 0.42<br>0.67<br>0.62<br>1.07 |    |                              |                              |
| TH   |                              |                              | FR | ●                            |                              | SA   | ○                            |                              |    |                              |                              |

## MARCH

## APRIL

| Time | m            | Time         | m  | Time                         | m                            | Time | m                            |                              |    |                              |                              |
|------|--------------|--------------|----|------------------------------|------------------------------|------|------------------------------|------------------------------|----|------------------------------|------------------------------|
| 1    | 0449<br>1236 | 0.56<br>0.96 | 9  | 0538<br>1159<br>1504<br>2222 | 0.28<br>0.70<br>0.64<br>1.14 | 17   | 0320<br>1321                 | 0.25<br>1.03                 | 25 | 0441<br>1049<br>1630<br>2233 | 0.56<br>0.87<br>0.60<br>0.89 |
| FR   |              |              | SA |                              |                              | SU   | ☉                            |                              | MO | ○                            |                              |
| 2    | 0431<br>1304 | 0.52<br>0.99 | 10 | 0603<br>1159<br>1618<br>2320 | 0.38<br>0.73<br>0.59<br>1.02 | 18   | 0357<br>1359                 | 0.26<br>0.99                 | 26 | 0426<br>1048<br>1709<br>2256 | 0.59<br>0.92<br>0.59<br>0.81 |
| SA   |              |              | SU | ●                            |                              | MO   |                              |                              | TU |                              |                              |
| 3    | 0334<br>1359 | 0.46<br>1.01 | 11 | 0619<br>1214<br>1733         | 0.49<br>0.79<br>0.56         | 19   | 0425<br>1938                 | 0.30<br>0.99                 | 27 | 0415<br>1059<br>1753<br>2313 | 0.60<br>0.98<br>0.59<br>0.72 |
| SU   | ☉            |              | MO |                              |                              | TU   |                              |                              | WE |                              |                              |
| 4    | 0331<br>1715 | 0.38<br>1.04 | 12 | 0018<br>0614<br>1232<br>1855 | 0.85<br>0.60<br>0.86<br>0.55 | 20   | 0444<br>2021                 | 0.36<br>1.02                 | 28 | 0400<br>1113<br>1854<br>2200 | 0.59<br>1.02<br>0.60<br>0.65 |
| MO   |              |              | TU |                              |                              | WE   |                              |                              | TH |                              |                              |
| 5    | 0343<br>1834 | 0.30<br>1.12 | 13 | 0121<br>0429<br>1245         | 0.67<br>0.64<br>0.93         | 21   | 0449<br>2055                 | 0.41<br>1.03                 | 29 | 0337<br>1129                 | 0.57<br>1.06                 |
| TU   |              |              | WE |                              |                              | TH   |                              |                              | FR |                              |                              |
| 6    | 0407<br>1935 | 0.24<br>1.19 | 14 | 0008<br>1233                 | 0.48<br>0.99                 | 22   | 0445<br>1148<br>1445<br>2123 | 0.46<br>0.77<br>0.74<br>1.03 | 30 | 0240<br>1148                 | 0.54<br>1.09                 |
| WE   |              |              | TH |                              |                              | FR   |                              |                              | SA |                              |                              |
| 7    | 0437<br>2030 | 0.21<br>1.23 | 15 | 0141<br>1238                 | 0.36<br>1.03                 | 23   | 0442<br>1054<br>1522<br>2145 | 0.50<br>0.79<br>0.68<br>1.01 | 31 | 0214<br>1215                 | 0.48<br>1.10                 |
| TH   |              |              | FR |                              |                              | SA   |                              |                              | SU |                              |                              |
| 8    | 0508<br>2126 | 0.22<br>1.22 | 16 | 0236<br>1256                 | 0.28<br>1.05                 | 24   | 0442<br>1055<br>1556<br>2209 | 0.53<br>0.82<br>0.63<br>0.96 |    |                              |                              |
| FR   |              |              | SA |                              |                              | SU   |                              |                              |    |                              |                              |

| Time | m                            | Time                         | m  | Time                 | m                    | Time | m                            |                              |    |                              |                              |
|------|------------------------------|------------------------------|----|----------------------|----------------------|------|------------------------------|------------------------------|----|------------------------------|------------------------------|
| 1    | 0216<br>1258                 | 0.42<br>1.10                 | 9  | 0433<br>1108<br>1829 | 0.66<br>0.99<br>0.44 | 17   | 0341<br>1259<br>1624<br>1915 | 0.45<br>0.95<br>0.93<br>0.94 | 25 | 0232<br>1015<br>1841         | 0.63<br>1.13<br>0.50         |
| MO   |                              |                              | TU | ●                    |                      | WE   |                              |                              | TH |                              |                              |
| 2    | 0231<br>1502                 | 0.36<br>1.08                 | 10 | 1122<br>2120         | 1.05<br>0.39         | 18   | 0351<br>1156<br>1504<br>2004 | 0.51<br>0.90<br>0.88<br>0.95 | 26 | 0058<br>0216<br>1035<br>1951 | 0.61<br>0.60<br>1.16<br>0.50 |
| TU   | ☉                            |                              | WE |                      |                      | TH   |                              |                              | FR |                              |                              |
| 3    | 0258<br>1811                 | 0.32<br>1.11                 | 11 | 1130<br>2315         | 1.09<br>0.33         | 19   | 0341<br>1101<br>1503<br>2041 | 0.56<br>0.88<br>0.81<br>0.95 | 27 | 1059<br>2313                 | 1.18<br>0.47                 |
| WE   |                              |                              | TH |                      |                      | FR   |                              |                              | SA |                              |                              |
| 4    | 0327<br>1930                 | 0.31<br>1.14                 | 12 | 1140                 | 1.11                 | 20   | 0329<br>0957<br>1527<br>2113 | 0.60<br>0.89<br>0.74<br>0.93 | 28 | 1130                         | 1.19                         |
| TH   |                              |                              | FR |                      |                      | SA   |                              |                              | SU |                              |                              |
| 5    | 0353<br>1113<br>1337<br>2036 | 0.33<br>0.81<br>0.78<br>1.13 | 13 | 0051<br>1155         | 0.29<br>1.11         | 21   | 0323<br>0952<br>1559<br>2144 | 0.62<br>0.93<br>0.66<br>0.88 | 29 | 0015<br>1210                 | 0.43<br>1.18                 |
| FR   |                              |                              | SA |                      |                      | SU   |                              |                              | MO |                              |                              |
| 6    | 0417<br>1034<br>1506<br>2137 | 0.39<br>0.81<br>0.68<br>1.06 | 14 | 0151<br>1211         | 0.29<br>1.09         | 22   | 0317<br>0943<br>1632<br>2216 | 0.64<br>0.98<br>0.60<br>0.82 | 30 | 0102<br>1314                 | 0.40<br>1.15                 |
| SA   |                              |                              | SU |                      |                      | MO   |                              |                              | TU |                              |                              |
| 7    | 0437<br>1038<br>1613<br>2238 | 0.48<br>0.85<br>0.57<br>0.95 | 15 | 0238<br>1225         | 0.32<br>1.05         | 23   | 0303<br>0944<br>1710<br>2254 | 0.64<br>1.04<br>0.55<br>0.75 |    |                              |                              |
| SU   |                              |                              | MO |                      |                      | TU   |                              |                              |    |                              |                              |
| 8    | 0447<br>1051<br>1716<br>2344 | 0.58<br>0.92<br>0.49<br>0.80 | 16 | 0315<br>1244         | 0.38<br>1.01         | 24   | 0255<br>0958<br>1752<br>2344 | 0.64<br>1.09<br>0.51<br>0.67 |    |                              |                              |
| MO   |                              |                              | TU | ●                    |                      | WE   | ○                            |                              |    |                              |                              |

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Datum of Predictions is Lowest Astronomical Tide

Caution: Predictions are of secondary quality

Times are in local standard time (Time Zone UTC +08:00)

Moon Phase Symbols ● New Moon ○ First Quarter ○ Full Moon ● Last Quarter

# FLINDERS BAY – WESTERN AUSTRALIA

LAT 34° 20' S LONG 115° 10' E

# 2024

TIMES AND HEIGHTS OF HIGH AND LOW WATERS

LOCAL TIME

## MAY

| Time     | m                            | Time      | m            | Time      | m                            | Time      | m                            |
|----------|------------------------------|-----------|--------------|-----------|------------------------------|-----------|------------------------------|
| <b>1</b> | 0141<br>1450                 | <b>9</b>  | 1028<br>2110 | <b>17</b> | 0240<br>1022                 | <b>25</b> | 1019<br>2101                 |
| WE<br>☾  | 0.39<br>1.10                 | TH        | 1.19<br>0.28 | FR        | 0.66<br>0.96                 | SA        | 1.28<br>0.40                 |
| <b>2</b> | 0213<br>1742                 | <b>10</b> | 1048<br>2227 | <b>18</b> | 0213<br>0911<br>1618<br>2030 | <b>26</b> | 1058<br>2218                 |
| TH       | 0.41<br>1.06                 | FR        | 1.19<br>0.29 | SA        | 0.70<br>0.97<br>0.81<br>0.85 | SU        | 1.28<br>0.40                 |
| <b>3</b> | 0238<br>1007<br>1323<br>1928 | <b>11</b> | 1111         | <b>19</b> | 0156<br>0856<br>1606<br>2118 | <b>27</b> | 1143<br>2320                 |
| FR       | 0.45<br>0.90<br>0.86<br>1.02 | SA        | 1.18         | SU        | 0.71<br>1.02<br>0.72<br>0.81 | MO        | 1.27<br>0.41                 |
| <b>4</b> | 0259<br>0920<br>1448<br>2050 | <b>12</b> | 0000<br>1133 | <b>20</b> | 0146<br>0843<br>1629<br>2204 | <b>28</b> | 1234                         |
| SA       | 0.51<br>0.91<br>0.73<br>0.96 | SU        | 0.32<br>1.15 | MO        | 0.72<br>1.07<br>0.63<br>0.77 | TU        | 1.23                         |
| <b>5</b> | 0313<br>0922<br>1552<br>2201 | <b>13</b> | 0107<br>1150 | <b>21</b> | 0136<br>0843<br>1700<br>2253 | <b>29</b> | 0011<br>1330                 |
| SU       | 0.59<br>0.97<br>0.60<br>0.86 | MO        | 0.38<br>1.12 | TU        | 0.72<br>1.13<br>0.54<br>0.72 | WE        | 0.43<br>1.16                 |
| <b>6</b> | 0316<br>0932<br>1656<br>2326 | <b>14</b> | 0157<br>1201 | <b>22</b> | 0116<br>0900<br>1738<br>2352 | <b>30</b> | 0052<br>1430                 |
| MO       | 0.67<br>1.04<br>0.47<br>0.76 | TU        | 0.45<br>1.08 | WE        | 0.70<br>1.19<br>0.48<br>0.67 | TH        | 0.48<br>1.07                 |
| <b>7</b> | 0236<br>0948<br>1811         | <b>15</b> | 0232<br>1216 | <b>23</b> | 0039<br>0922<br>1824         | <b>31</b> | 0121<br>0920<br>1254<br>1705 |
| TU       | 0.72<br>1.11<br>0.38         | WE        | 0.52<br>1.04 | TH        | 0.67<br>1.23<br>0.43         | FR        | 0.55<br>0.95<br>0.93<br>0.95 |
| <b>8</b> | 1007<br>1951                 | <b>16</b> | 0251<br>1216 | <b>24</b> | 0948<br>1926                 |           |                              |
| WE       | 1.16<br>0.31                 | TH        | 0.60<br>0.99 | FR        | 1.27<br>0.41                 |           |                              |

## JUNE

| Time     | m                            | Time      | m                    | Time      | m            | Time      | m                    |
|----------|------------------------------|-----------|----------------------|-----------|--------------|-----------|----------------------|
| <b>1</b> | 0139<br>0815<br>1442<br>2003 | <b>9</b>  | 1100<br>2245         | <b>17</b> | 0754<br>1707 | <b>25</b> | 1200<br>2231         |
| SA       | 0.63<br>0.98<br>0.79<br>0.85 | SU        | 1.21<br>0.41         | MO        | 1.10<br>0.65 | TU        | 1.28<br>0.44         |
| <b>2</b> | 0145<br>0815<br>1609<br>2236 | <b>10</b> | 1128                 | <b>18</b> | 0746<br>1707 | <b>26</b> | 1247<br>2319         |
| SU       | 0.70<br>1.05<br>0.63<br>0.78 | MO        | 1.18                 | TU        | 1.17<br>0.55 | WE        | 1.20<br>0.52         |
| <b>3</b> | 0118<br>0822<br>1716         | <b>11</b> | 0010<br>1147         | <b>19</b> | 0805<br>1726 | <b>27</b> | 1323<br>2352         |
| MO       | 0.76<br>1.13<br>0.48         | TU        | 0.50<br>1.14         | WE        | 1.23<br>0.46 | TH        | 1.08<br>0.61         |
| <b>4</b> | 0839<br>1811                 | <b>12</b> | 0113<br>1151         | <b>20</b> | 0831<br>1800 | <b>28</b> | 0849                 |
| TU       | 1.20<br>0.36                 | WE        | 0.58<br>1.10         | TH        | 1.29<br>0.40 | FR        | 0.95                 |
| <b>5</b> | 0901<br>1902                 | <b>13</b> | 0145<br>1154         | <b>21</b> | 0904<br>1844 | <b>29</b> | 0002<br>0714<br>1758 |
| WE       | 1.24<br>0.28                 | TH        | 0.66<br>1.06         | FR        | 1.33<br>0.35 | SA        | 0.71<br>0.99<br>0.76 |
| <b>6</b> | 0929<br>1953                 | <b>14</b> | 0132<br>1126<br>2328 | <b>22</b> | 0941<br>1936 | <b>30</b> | 0713<br>1641         |
| TH       | 1.26<br>0.25                 | FR        | 0.73<br>1.00<br>0.77 | SA        | 1.36<br>0.34 | SU        | 1.06<br>0.60         |
| <b>7</b> | 0958<br>2045                 | <b>15</b> | 0915<br>2044         | <b>23</b> | 1024<br>2035 |           |                      |
| FR       | 1.26<br>0.27                 | SA        | 1.00<br>0.78         | SU        | 1.36<br>0.35 |           |                      |
| <b>8</b> | 1029<br>2140                 | <b>16</b> | 0807<br>1717         | <b>24</b> | 1112<br>2135 |           |                      |
| SA       | 1.24<br>0.33                 | SU        | 1.04<br>0.74         | MO        | 1.33<br>0.38 |           |                      |

## JULY

| Time     | m            | Time      | m            | Time      | m            | Time      | m            |
|----------|--------------|-----------|--------------|-----------|--------------|-----------|--------------|
| <b>1</b> | 0720<br>1714 | <b>9</b>  | 1121<br>2135 | <b>17</b> | 0709<br>1655 | <b>25</b> | 1258<br>2130 |
| MO       | 1.14<br>0.46 | TU        | 1.17<br>0.61 | WE        | 1.18<br>0.46 | TH        | 1.03<br>0.64 |
| <b>2</b> | 0740<br>1748 | <b>10</b> | 1139<br>2029 | <b>18</b> | 0741<br>1715 | <b>26</b> | 1036<br>2034 |
| TU       | 1.21<br>0.34 | WE        | 1.12<br>0.68 | TH        | 1.26<br>0.38 | FR        | 0.87<br>0.73 |
| <b>3</b> | 0808<br>1822 | <b>11</b> | 1130<br>2014 | <b>19</b> | 0818<br>1747 | <b>27</b> | 0540<br>1657 |
| WE       | 1.26<br>0.28 | TH        | 1.07<br>0.72 | FR        | 1.32<br>0.32 | SA        | 0.91<br>0.67 |
| <b>4</b> | 0841<br>1856 | <b>12</b> | 1121<br>1923 | <b>20</b> | 0900<br>1827 | <b>28</b> | 0535<br>1555 |
| TH       | 1.27<br>0.26 | FR        | 1.01<br>0.73 | SA        | 1.36<br>0.29 | SU        | 1.00<br>0.52 |
| <b>5</b> | 0915<br>1930 | <b>13</b> | 0920<br>1911 | <b>21</b> | 0945<br>1909 | <b>29</b> | 0554<br>1628 |
| FR       | 1.27<br>0.28 | SA        | 0.96<br>0.72 | SU        | 1.37<br>0.30 | MO        | 1.07<br>0.39 |
| <b>6</b> | 0951<br>2006 | <b>14</b> | 0724<br>1822 | <b>22</b> | 1034<br>1955 | <b>30</b> | 0634<br>1702 |
| SA       | 1.26<br>0.33 | SU        | 0.98<br>0.69 | MO        | 1.35<br>0.35 | TU        | 1.13<br>0.31 |
| <b>7</b> | 1024<br>2044 | <b>15</b> | 0707<br>1700 | <b>23</b> | 1126<br>2040 | <b>31</b> | 0718<br>1734 |
| SU       | 1.23<br>0.42 | MO        | 1.04<br>0.64 | TU        | 1.28<br>0.42 | WE        | 1.17<br>0.27 |
| <b>8</b> | 1055<br>2121 | <b>16</b> | 0646<br>1650 | <b>24</b> | 1216<br>2118 |           |              |
| MO       | 1.20<br>0.51 | TU        | 1.11<br>0.55 | WE        | 1.17<br>0.53 |           |              |

## AUGUST

| Time     | m                            | Time      | m                            | Time      | m                            | Time      | m            |
|----------|------------------------------|-----------|------------------------------|-----------|------------------------------|-----------|--------------|
| <b>1</b> | 0803<br>1802                 | <b>9</b>  | 0019<br>0451<br>1101<br>1814 | <b>17</b> | 0814<br>1716                 | <b>25</b> | 0205<br>1426 |
| TH       | 1.20<br>0.27                 | FR        | 0.81<br>0.74<br>0.94<br>0.66 | SA        | 1.26<br>0.27                 | SU        | 0.95<br>0.41 |
| <b>2</b> | 0848<br>1826                 | <b>10</b> | 0037<br>0535<br>1043<br>1800 | <b>18</b> | 0901<br>1750                 | <b>26</b> | 0144<br>1515 |
| FR       | 1.20<br>0.30                 | SA        | 0.87<br>0.79<br>0.88<br>0.66 | SU        | 1.30<br>0.27                 | MO        | 1.00<br>0.30 |
| <b>3</b> | 0928<br>1846                 | <b>11</b> | 0104<br>0708<br>0809<br>1726 | <b>19</b> | 0952<br>1825                 | <b>27</b> | 0415<br>1557 |
| SA       | 1.20<br>0.35                 | SU        | 0.92<br>0.84<br>0.84<br>0.63 | MO        | 1.28<br>0.32                 | TU        | 1.01<br>0.25 |
| <b>4</b> | 1000<br>1904                 | <b>12</b> | 0147<br>1654                 | <b>20</b> | 0051<br>0252<br>1045<br>1856 | <b>28</b> | 0552<br>1633 |
| SU       | 1.19<br>0.42                 | MO        | 0.96<br>0.59                 | TU        | 0.68<br>0.67<br>1.21<br>0.40 | WE        | 1.02<br>0.23 |
| <b>5</b> | 1025<br>1910                 | <b>13</b> | 0258<br>1605                 | <b>21</b> | 0048<br>0359<br>1142<br>1918 | <b>29</b> | 0723<br>1703 |
| MO       | 1.16<br>0.49                 | TU        | 0.99<br>0.52                 | WE        | 0.70<br>0.65<br>1.09<br>0.51 | TH        | 1.04<br>0.26 |
| <b>6</b> | 0053<br>0212<br>1048<br>1900 | <b>14</b> | 0547<br>1604                 | <b>22</b> | 0108<br>0513<br>1241<br>1922 | <b>30</b> | 0815<br>1725 |
| TU       | 0.66<br>0.65<br>1.13<br>0.56 | WE        | 1.05<br>0.44                 | TH        | 0.74<br>0.65<br>0.93<br>0.62 | FR        | 1.06<br>0.31 |
| <b>7</b> | 0052<br>0327<br>1110<br>1855 | <b>15</b> | 0640<br>1618                 | <b>23</b> | 0130<br>0715<br>1346<br>1745 | <b>31</b> | 0857<br>1734 |
| WE       | 0.70<br>0.67<br>1.08<br>0.62 | TH        | 1.13<br>0.36                 | FR        | 0.81<br>0.66<br>0.74<br>0.69 | SA        | 1.07<br>0.36 |
| <b>8</b> | 0030<br>0412<br>1124<br>1836 | <b>16</b> | 0727<br>1645                 | <b>24</b> | 0154<br>1317                 |           |              |
| TH       | 0.75<br>0.69<br>1.01<br>0.65 | FR        | 1.20<br>0.30                 | SA        | 0.88<br>0.56                 |           |              |

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Datum of Predictions is Lowest Astronomical Tide

Caution: Predictions are of secondary quality

Times are in local standard time (Time Zone UTC +08:00)

Moon Phase Symbols

● New Moon

◐ First Quarter

○ Full Moon

◑ Last Quarter

# FLINDERS BAY – WESTERN AUSTRALIA

LAT 34° 20' S LONG 115° 10' E

# 2024

TIMES AND HEIGHTS OF HIGH AND LOW WATERS

LOCAL TIME

## SEPTEMBER

## OCTOBER

| Time | m  | Time | m  | Time | m  | Time | m  | Time | m  | Time | m  | Time | m  |    |  |
|------|--|------|--|------|--|------|--|------|--|------|--|------|--|----|--|
| 1    | 0931 1.07<br>1737 0.42                           | 9    | 0001 0.96<br>1530 0.52                           | 17   | 0300 0.60<br>1000 1.08<br>1725 0.39<br>2318 0.72 | 25   | 0053 0.97<br>1521 0.19                           | 1    | 0331 0.57<br>0950 0.86<br>1610 0.49<br>2221 0.77 | 9    | 1345 0.35  | 17   | 0500 0.34<br>1129 0.68<br>1553 0.56<br>2228 0.90 | 25 | 0015 0.86<br>1517 0.31                           |
| SU   |  | MO   |  | TU   |  | WE   |  | TU   |  | WE   |  | TH   |  | FR |  |
| 2    | 0959 1.05<br>1736 0.47<br>2327 0.69              | 10   | 0024 0.98<br>1501 0.46                           | 18   | 0411 0.52<br>1100 0.96<br>1741 0.49<br>2335 0.78 | 26   | 0117 0.92<br>1557 0.24                           | 2    | 0406 0.52<br>1015 0.81<br>1604 0.51<br>2209 0.82 | 10   | 0014 0.98<br>1403 0.30                           | 18   | 0611 0.26<br>2247 0.96                           | 26 | 0023 0.80<br>1531 0.39<br>2306 0.76              |
| MO   |  | TU   |  | WE   |  | TH   |  | WE   |  | TH   |  | FR   |  | SA |  |
| 3    | 0307 0.62<br>1019 1.02<br>1733 0.52<br>2330 0.73 | 11   | 0058 0.98<br>1502 0.40                           | 19   | 0522 0.47<br>1205 0.80<br>1740 0.59<br>2353 0.84 | 27   | 0726 0.89<br>1622 0.31                           | 3    | 0443 0.47<br>1039 0.74<br>1548 0.52<br>2215 0.87 | 11   | 0135 0.95<br>1430 0.27                           | 19   | 0832 0.20<br>2306 1.00                           | 27 | 0404 0.72<br>0753 0.76<br>1516 0.45<br>2230 0.74 |
| TU   |  | WE   |  | TH   |  | FR   |  | TH   |  | FR   |  | SA   |  | SU |  |
| 4    | 0347 0.59<br>1039 0.96<br>1730 0.56<br>2313 0.78 | 12   | 0251 0.98<br>1514 0.34                           | 20   | 0641 0.44<br>1324 0.63<br>1532 0.62              | 28   | 0813 0.91<br>1629 0.38                           | 4    | 0521 0.45<br>1104 0.66<br>1541 0.52<br>2230 0.92 | 12   | 0537 0.95<br>1457 0.26                           | 20   | 1015 0.14<br>2323 1.00                           | 28 | 0319 0.65<br>0834 0.75<br>1500 0.49<br>2124 0.77 |
| WE   |  | TH   |  | FR   |  | SA   |  | FR   |  | SA   |  | SU   |  | MO |  |
| 5    | 0426 0.58<br>1100 0.89<br>1711 0.58<br>2316 0.84 | 13   | 0612 1.04<br>1538 0.28                           | 21   | 0005 0.91<br>1028 0.38                           | 29   | 0849 0.91<br>1621 0.43<br>2300 0.70              | 5    | 0604 0.45<br>1128 0.58<br>1522 0.51<br>2245 0.95 | 13   | 0700 0.98<br>1522 0.27<br>2223 0.73              | 21   | 1152 0.12<br>2340 0.99                           | 29 | 0336 0.57<br>0913 0.72<br>1449 0.50<br>2124 0.82 |
| TH   |  | FR   |  | SA   |  | SU   |  | SA   |  | SU   |  | MO   |  | TU |  |
| 6    | 0504 0.59<br>1116 0.81<br>1659 0.59<br>2330 0.89 | 14   | 0716 1.10<br>1606 0.25                           | 22   | 0009 0.96<br>1231 0.28                           | 30   | 0258 0.64<br>0922 0.90<br>1614 0.47<br>2219 0.73 | 6    | 0657 0.46<br>1144 0.51<br>1503 0.49<br>2259 0.98 | 14   | 0132 0.68<br>0811 0.97<br>1543 0.32<br>2156 0.73 | 22   | 1307 0.12<br>2355 0.96                           | 30 | 0403 0.49<br>0949 0.68<br>1442 0.51<br>2114 0.87 |
| FR   |  | SA   |  | SU   |  | MO   |  | SU   |  | MO   |  | TU   |  | WE |  |
| 7    | 0548 0.61<br>1040 0.73<br>1642 0.58<br>2344 0.93 | 15   | 0812 1.15<br>1634 0.26<br>2337 0.70              | 23   | 0016 0.99<br>1345 0.20                           |      |  | 7    | 1329 0.44<br>2317 0.99                           | 15   | 0250 0.56<br>0915 0.91<br>1600 0.40<br>2201 0.77 | 23   | 1402 0.16  | 31 | 0436 0.42<br>1028 0.62<br>1430 0.51<br>2118 0.92 |
| SA   |  | SU   |  | MO   |  |      |  | MO   |  | TU   |  | WE   |  | TH |  |
| 8    | 0654 0.65<br>1003 0.67<br>1616 0.56              | 16   | 0150 0.68<br>0905 1.14<br>1701 0.30<br>2309 0.70 | 24   | 0031 0.99<br>1437 0.18                           |      |  | 8    | 1337 0.39<br>2340 0.99                           | 16   | 0356 0.44<br>1019 0.81<br>1610 0.48<br>2212 0.83 | 24   | 0003 0.91<br>1445 0.23                           |    |  |
| SU   |  | MO   |  | TU   |  |      |  | TU   |  | WE   |  | TH   |  |    |  |

## NOVEMBER

## DECEMBER

| Time | m  | Time | m  | Time | m                      | Time | m  | Time | m                                   | Time | m  | Time | m  |    |                        |
|------|--|------|--|------|------------------------|------|--|------|-------------------------------------|------|--|------|--|----|------------------------|
| 1    | 0513 0.36<br>1109 0.56<br>1422 0.50<br>2135 0.97 | 9    | 0201 0.94<br>1346 0.28                           | 17   | 0839 0.05<br>2237 1.05 | 25   | 1345 0.55<br>2048 0.81                           | 1    | 0626 0.24<br>2135 1.09              | 9    | 0056 0.78<br>0231 0.79<br>1313 0.47<br>2000 0.81 | 17   | 0911 0.10<br>2303 1.05                           | 25 | 0619 0.51<br>1953 0.93 |
| FR   |  | SA   |  | SU   |                        | MO   |  | SU   |                                     | MO   |  | TU   |  | WE |                        |
| 2    | 0553 0.33<br>1159 0.50<br>1400 0.47<br>2155 1.00 | 10   | 0445 0.88<br>1412 0.32<br>2139 0.76              | 18   | 0949 0.05<br>2305 1.03 | 26   | 0504 0.59<br>0837 0.61<br>1316 0.56<br>2036 0.86 | 2    | 0716 0.23<br>2205 1.11              | 10   | 0357 0.63<br>0734 0.65<br>1315 0.54<br>1956 0.88 | 18   | 1008 0.19<br>2329 1.01                           | 26 | 0519 0.43<br>1943 1.00 |
| SA   |  | SU   |  | MO   |                        | TU   |  | MO   |                                     | TU   |  | WE   |  | TH |                        |
| 3    | 0639 0.32<br>2215 1.02                           | 11   | 0106 0.72<br>0635 0.83<br>1430 0.37<br>2054 0.78 | 19   | 1107 0.10<br>2330 0.99 | 27   | 0458 0.51<br>0939 0.58<br>1307 0.56<br>2030 0.92 | 3    | 0825 0.23<br>2240 1.11              | 11   | 0420 0.46<br>1053 0.60<br>1235 0.59<br>2000 0.96 | 19   | 1117 0.30<br>2345 0.96                           | 27 | 0525 0.35<br>1958 1.06 |
| SU   |  | MO   |  | TU   |                        | WE   |  | TU   |                                     | WE   |  | TH   |  | FR |                        |
| 4    | 0744 0.32<br>2237 1.03                           | 12   | 0231 0.59<br>0826 0.76<br>1441 0.45<br>2054 0.83 | 20   | 1230 0.17<br>2350 0.94 | 28   | 0455 0.42<br>1036 0.55<br>1252 0.55<br>2028 0.97 | 4    | 0943 0.25<br>2320 1.09              | 12   | 0505 0.30<br>2015 1.04                           | 20   | 1242 0.40<br>2335 0.91                           | 28 | 0537 0.28<br>2024 1.11 |
| MO   |  | TU   |  | WE   |                        | TH   |  | WE   |                                     | TH   |  | FR   |  | SA |                        |
| 5    | 1036 0.32<br>2305 1.03                           | 13   | 0335 0.44<br>0944 0.68<br>1442 0.52<br>2100 0.90 | 21   | 1329 0.25<br>2350 0.90 | 29   | 0515 0.34<br>2045 1.03                           | 5    | 1049 0.26                           | 13   | 0552 0.16<br>2043 1.10                           | 21   | 1333 0.49<br>2326 0.87                           | 29 | 0600 0.22<br>2055 1.16 |
| TU   |  | WE   |  | TH   |                        | FR   |  | TH   |                                     | FR   |  | SA   |  | SU |                        |
| 6    | 1146 0.30<br>2341 1.02                           | 14   | 0440 0.29<br>1123 0.58<br>1402 0.56<br>2115 0.98 | 22   | 1411 0.34<br>2351 0.85 | 30   | 0545 0.28<br>2109 1.07                           | 6    | 0005 1.06<br>1144 0.29              | 14   | 0640 0.06<br>2116 1.12                           | 22   | 0950 0.58<br>1135 0.58<br>1330 0.58<br>2257 0.83 | 30 | 0631 0.20<br>2130 1.19 |
| WE   |  | TH   |  | FR   |                        | SA   |  | FR   |                                     | SA   |  | SU   |  | MO |                        |
| 7    | 1237 0.28  | 15   | 0555 0.17<br>2140 1.03                           | 23   | 1436 0.43<br>2345 0.81 |      |  | 7    | 0054 1.00<br>1226 0.33              | 15   | 0729 0.02<br>2154 1.12                           | 23   | 0744 0.58<br>2109 0.83                           | 31 | 0711 0.19<br>2208 1.19 |
| TH   |  | FR   |  | SA   |                        |      |  | SA   |                                     | SU   |  | MO   |  | TU |                        |
| 8    | 0032 0.99<br>1315 0.27                           | 16   | 0724 0.09<br>2208 1.06                           | 24   | 1425 0.50<br>2159 0.79 |      |  | 8    | 0144 0.91<br>1257 0.39<br>2128 0.79 | 16   | 0818 0.04<br>2231 1.09                           | 24   | 0646 0.55<br>1957 0.87                           |    |                        |
| FR   |  | SA   |  | SU   |                        |      |  | SU   |                                     | MO   |  | TU   |  |    |                        |

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Datum of Predictions is Lowest Astronomical Tide

Caution: Predictions are of secondary quality

Times are in local standard time (Time Zone UTC +08:00)

Moon Phase Symbols ● New Moon ○ First Quarter ○ Full Moon ○ Last Quarter





AUSTRALIA, NORTH-WEST COAST – BARROW ISLAND (TANKER MOORING)

2024

LAT 20° 49' S LONG 115° 33' E

TIMES AND HEIGHTS OF HIGH AND LOW WATERS

TIME ZONE -0800

MAY

JUNE

Table of tide data for May and June, showing times and heights for high and low water for each day of the month.

JULY

AUGUST

Table of tide data for July and August, showing times and heights for high and low water for each day of the month.

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Datum of Predictions is Lowest Astronomical Tide

Moon Phase Symbols ● New Moon ○ First Quarter ○ Full Moon ○ Last Quarter

AUSTRALIA, NORTH-WEST COAST – BARROW ISLAND (TANKER MOORING)

2024

LAT 20° 49' S LONG 115° 33' E

TIMES AND HEIGHTS OF HIGH AND LOW WATERS

TIME ZONE -0800

SEPTEMBER

OCTOBER

Table for September tide times and heights. Columns: Day, Time, m. Rows: 1-30. Includes moon phase symbols (e.g., ●, ○).

Table for October tide times and heights. Columns: Day, Time, m. Rows: 1-31. Includes moon phase symbols (e.g., ○, ●).

NOVEMBER

DECEMBER

Table for November tide times and heights. Columns: Day, Time, m. Rows: 1-30. Includes moon phase symbols (e.g., ●, ○).

Table for December tide times and heights. Columns: Day, Time, m. Rows: 1-31. Includes moon phase symbols (e.g., ○, ●).

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Datum of Predictions is Lowest Astronomical Tide

Moon Phase Symbols ● New Moon ○ First Quarter ○ Full Moon ● Last Quarter

AUSTRALIA, NORTH-WEST COAST – BARROW ISLAND(WAPET LANDING)

2024

LAT 20° 44' S LONG 115° 28' E

TIMES AND HEIGHTS OF HIGH AND LOW WATERS

TIME ZONE -0800

JANUARY

FEBRUARY

Table of tide data for January, including times and heights for high and low water across various days of the month.

Table of tide data for February, including times and heights for high and low water across various days of the month.

MARCH

APRIL

Table of tide data for March, including times and heights for high and low water across various days of the month.

Table of tide data for April, including times and heights for high and low water across various days of the month.

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Datum of Predictions is Lowest Astronomical Tide

Moon Phase Symbols ● New Moon ○ First Quarter ○ Full Moon ● Last Quarter

AUSTRALIA, NORTH-WEST COAST – BARROW ISLAND(WAPET LANDING)

2024

LAT 20° 44' S LONG 115° 28' E

TIMES AND HEIGHTS OF HIGH AND LOW WATERS

TIME ZONE -0800

MAY

JUNE

Table with columns for Time, m, and day (1-31) for MAY. Includes moon phase symbols like ☉, ☽, ☿.

Table with columns for Time, m, and day (1-30) for JUNE. Includes moon phase symbols like ☽, ☼, ☉.

JULY

AUGUST

Table with columns for Time, m, and day (1-31) for JULY. Includes moon phase symbols like ☽, ☼, ☉.

Table with columns for Time, m, and day (1-31) for AUGUST. Includes moon phase symbols like ☼, ☉, ☽.

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Datum of Predictions is Lowest Astronomical Tide

Moon Phase Symbols ☉ New Moon ☽ First Quarter ☽ Full Moon ☿ Last Quarter

AUSTRALIA, NORTH-WEST COAST – BARROW ISLAND(WAPET LANDING)

2024

LAT 20° 44' S LONG 115° 28' E

TIMES AND HEIGHTS OF HIGH AND LOW WATERS

TIME ZONE -0800

SEPTEMBER

OCTOBER

Table of tide times and heights for September. Columns show Day, Time, and Height (m) for High and Low water. Includes moon phase symbols.

Table of tide times and heights for October. Columns show Day, Time, and Height (m) for High and Low water. Includes moon phase symbols.

NOVEMBER

DECEMBER

Table of tide times and heights for November. Columns show Day, Time, and Height (m) for High and Low water. Includes moon phase symbols.

Table of tide times and heights for December. Columns show Day, Time, and Height (m) for High and Low water. Includes moon phase symbols.

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Datum of Predictions is Lowest Astronomical Tide

Moon Phase Symbols ● New Moon ◑ First Quarter ○ Full Moon ◐ Last Quarter

# BREMER BAY – WESTERN AUSTRALIA

LAT 34° 26' S LONG 119° 24' E

# 2024

TIMES AND HEIGHTS OF HIGH AND LOW WATERS

LOCAL TIME

## JANUARY

## FEBRUARY

| Time | m   | Time | m   | Time | m   | Time | m   | Time | m   | Time | m   | Time | m   |    |   |
|------|---|------|---|------|---|------|---|------|---|------|---|------|---|----|---|
| 1    | 0611 0.09<br>1152 0.42<br>MO 1618 0.25<br>2320 0.93   | 9    | 0509 0.21<br>2003 0.65                              | 17   | 0621 0.22<br>1159 0.53<br>WE 1723 0.29<br>2355 0.74 | 25   | 0517 0.25<br>2017 0.71                              | 1    | 0621 0.24<br>1214 0.64<br>TH 1754 0.27                | 9    | 0501 0.20<br>1200 0.59<br>FR 1442 0.57<br>2119 0.82   | 17   | 0540 0.33<br>1201 0.83<br>SA 1825 0.39<br>2355 0.66 | 25 | 0412 0.29<br>1030 0.64<br>SU 1423 0.55<br>2058 0.91 |
| 2    | 0635 0.11<br>1214 0.44<br>TU 1655 0.23<br>2354 0.90   | 10   | 0508 0.14<br>2046 0.73                              | 18   | 0630 0.24<br>1211 0.57<br>TH 1746 0.30<br>●         | 26   | 0458 0.22<br>2050 0.79<br>FR ○                      | 2    | 0023 0.78<br>0636 0.31<br>FR 1238 0.67<br>1839 0.31   | 10   | 0510 0.22<br>1142 0.58<br>SA 1511 0.50<br>● 2152 0.84 | 18   | 0543 0.35<br>1224 0.85<br>SU 1854 0.44<br>2353 0.62 | 26 | 0421 0.26<br>1026 0.67<br>MO 1509 0.46<br>2141 0.95 |
| 3    | 0701 0.15<br>1240 0.45<br>WE 1733 0.24                | 11   | 0521 0.11<br>2124 0.79<br>●                         | 19   | 0006 0.70<br>0637 0.25<br>FR 1231 0.61<br>1812 0.33 | 27   | 0458 0.19<br>1112 0.48<br>SA 1421 0.44<br>2123 0.86 | 3    | 0049 0.66<br>0637 0.36<br>SA 1302 0.70<br>● 1929 0.37 | 11   | 0511 0.25<br>1122 0.59<br>SU 1540 0.44<br>2219 0.84   | 19   | 0540 0.36<br>1246 0.85<br>MO 1929 0.49<br>2334 0.58 | 27 | 0437 0.26<br>1037 0.72<br>TU 1553 0.39<br>2223 0.94 |
| 4    | 0028 0.83<br>0724 0.20<br>TH 1307 0.47<br>● 1810 0.27 | 12   | 0537 0.10<br>1218 0.44<br>FR 1444 0.41<br>2200 0.84 | 20   | 0015 0.65<br>0640 0.26<br>SA 1255 0.63<br>1840 0.37 | 28   | 0505 0.16<br>1103 0.50<br>SU 1508 0.38<br>2158 0.92 | 4    | 0052 0.53<br>0600 0.39<br>SU 1321 0.72                | 12   | 0505 0.27<br>1110 0.61<br>MO 1609 0.39<br>2242 0.83   | 20   | 0524 0.37<br>1310 0.84<br>TU 2024 0.55<br>2246 0.56 | 28 | 0456 0.29<br>1055 0.78<br>WE 1638 0.33<br>2304 0.90 |
| 5    | 0056 0.73<br>0742 0.26<br>FR 1335 0.48<br>1851 0.32   | 13   | 0552 0.11<br>1208 0.44<br>SA 1527 0.37<br>2233 0.86 | 21   | 0016 0.60<br>0642 0.27<br>SU 1324 0.64<br>1913 0.42 | 29   | 0520 0.15<br>1111 0.53<br>MO 1549 0.32<br>2235 0.94 | 5    | 0452 0.34<br>1328 0.73                                | 13   | 0506 0.28<br>1108 0.65<br>TU 1637 0.36<br>2301 0.81   | 21   | 0509 0.37<br>1338 0.81                              | 29 | 0515 0.33<br>1119 0.83<br>TH 1723 0.31<br>2345 0.82 |
| 6    | 0112 0.61<br>0744 0.31<br>SA 1405 0.51<br>1944 0.38   | 14   | 0558 0.14<br>1200 0.44<br>SU 1602 0.33<br>2301 0.85 | 22   | 0005 0.55<br>0634 0.28<br>MO 1356 0.64              | 30   | 0539 0.15<br>1127 0.57<br>TU 1630 0.28<br>2312 0.93 | 6    | 0435 0.27<br>1325 0.72                                | 14   | 0516 0.29<br>1113 0.70<br>WE 1705 0.34<br>2317 0.78   | 22   | 0453 0.37<br>1433 0.77                              |    |   |
| 7    | 0029 0.49<br>0659 0.33<br>SU 1446 0.53                | 15   | 0602 0.17<br>1157 0.46<br>MO 1633 0.31<br>2324 0.82 | 23   | 0605 0.28<br>1442 0.63<br>TU                        | 31   | 0600 0.19<br>1149 0.60<br>WE 1712 0.26<br>2349 0.87 | 7    | 0438 0.22<br>1341 0.69<br>WE 1538 0.68<br>1946 0.73   | 15   | 0527 0.30<br>1123 0.75<br>TH 1731 0.34<br>2332 0.74   | 23   | 0420 0.35<br>1920 0.79                              |    |   |
| 8    | 0534 0.28<br>1902 0.56<br>MO                          | 16   | 0610 0.20<br>1155 0.49<br>TU 1659 0.29<br>2341 0.79 | 24   | 0546 0.27<br>1933 0.63<br>WE                        |      |   | 8    | 0449 0.20<br>2040 0.78<br>TH                          | 16   | 0535 0.32<br>1141 0.80<br>FR 1757 0.36<br>● 2346 0.70 | 24   | 0408 0.32<br>2015 0.86<br>SA ○                      |    |   |

## MARCH

## APRIL

| Time | m   | Time | m   | Time | m   | Time | m   | Time | m   | Time | m   | Time | m   |    |   |
|------|---|------|---|------|---|------|---|------|---|------|---|------|---|----|---|
| 1    | 0531 0.40<br>1145 0.89<br>FR 1811 0.33                | 9    | 0424 0.36<br>1117 0.74<br>SA 1548 0.66<br>2102 0.83   | 17   | 0445 0.44<br>1133 1.04<br>SU 1834 0.47<br>● 2341 0.66 | 25   | 0316 0.40<br>0942 0.78<br>MO ○ 1421 0.63<br>2032 0.92 | 1    | 1211 1.13<br>2314 0.47<br>MO                        | 9    | 0249 0.52<br>0939 0.89<br>TU 1554 0.59<br>● 2120 0.76 | 17   | 0005 0.62<br>0359 0.55<br>WE 1206 1.15<br>2019 0.56   | 25 | 0254 0.50<br>0930 1.04<br>TH 1614 0.44<br>2219 0.77 |
| 2    | 0022 0.71<br>0536 0.45<br>SA 1210 0.92<br>1902 0.37   | 10   | 0422 0.39<br>1054 0.74<br>SU 1538 0.59<br>● 2130 0.83 | 18   | 0447 0.46<br>1156 1.05<br>MO 1910 0.51<br>2339 0.63   | 26   | 0329 0.39<br>0945 0.84<br>TU 1510 0.52<br>2124 0.92   | 2    | 1227 1.10<br>TU ○                                   | 10   | 0255 0.50<br>0939 0.95<br>WE 1609 0.53<br>2145 0.75   | 18   | 0005 0.60<br>0351 0.55<br>TH 1234 1.11                | 26 | 0315 0.53<br>0957 1.13<br>FR 1704 0.37<br>2315 0.72 |
| 3    | 0049 0.60<br>0511 0.48<br>SU 1233 0.94<br>● 2004 0.44 | 11   | 0407 0.41<br>1028 0.76<br>MO 1547 0.53<br>2153 0.82   | 19   | 0441 0.47<br>1218 1.04<br>TU 1955 0.56<br>2310 0.61   | 27   | 0347 0.40<br>1001 0.91<br>WE 1558 0.44<br>2214 0.89   | 3    | 0227 0.43<br>1218 1.04<br>WE                        | 11   | 0311 0.48<br>0948 1.01<br>TH 1635 0.49<br>2211 0.74   | 19   | 0332 0.56<br>1308 1.06<br>FR                          | 27 | 0332 0.56<br>1028 1.20<br>SA 1755 0.35              |
| 4    | 0037 0.49<br>0400 0.45<br>MO 1248 0.94                | 12   | 0400 0.41<br>1020 0.81<br>TU 1608 0.47<br>2214 0.81   | 20   | 0428 0.48<br>1242 1.01<br>WE                          | 28   | 0407 0.43<br>1024 0.99<br>TH 1646 0.38<br>2302 0.83   | 4    | 0259 0.42<br>1204 0.98<br>TH                        | 12   | 0326 0.48<br>1004 1.07<br>FR 1704 0.47<br>2236 0.72   | 20   | 0140 0.54<br>1355 0.98<br>SA                          | 28 | 0010 0.65<br>0337 0.58<br>SU 1100 1.24<br>1850 0.36 |
| 5    | 0334 0.38<br>1243 0.92<br>TU                          | 13   | 0408 0.40<br>1024 0.86<br>WE 1634 0.44<br>2233 0.79   | 21   | 0418 0.48<br>1310 0.97<br>TH                          | 29   | 0425 0.48<br>1050 1.06<br>FR 1736 0.35<br>2349 0.74   | 5    | 0322 0.43<br>1157 0.92<br>FR 1724 0.82<br>1816 0.82 | 13   | 0338 0.49<br>1024 1.12<br>SA 1737 0.46<br>2300 0.70   | 21   | 0151 0.51<br>1557 0.90<br>SU                          | 29 | 0116 0.59<br>0302 0.58<br>MO 1131 1.24<br>1954 0.41 |
| 6    | 0344 0.33<br>1236 0.88<br>WE                          | 14   | 0421 0.40<br>1034 0.92<br>TH 1702 0.41<br>2252 0.77   | 22   | 0342 0.48<br>1359 0.91<br>FR                          | 30   | 0435 0.53<br>1119 1.11<br>SA 1828 0.37                | 6    | 0334 0.47<br>1110 0.86<br>SA 1631 0.77<br>1946 0.81 | 14   | 0347 0.51<br>1048 1.16<br>SU 1811 0.47<br>2323 0.67   | 22   | 0202 0.49<br>0917 0.81<br>MO 1309 0.76<br>1841 0.85   | 30 | 1159 1.20<br>2229 0.46<br>TU                        |
| 7    | 0401 0.32<br>1236 0.83<br>TH 1634 0.78<br>1923 0.80   | 15   | 0432 0.41<br>1051 0.97<br>FR 1732 0.41<br>2310 0.74   | 23   | 0308 0.45<br>1733 0.87<br>SA                          | 31   | 0034 0.65<br>0425 0.56<br>SU 1146 1.14<br>1927 0.42   | 7    | 0332 0.50<br>1036 0.84<br>SU 1614 0.71<br>2027 0.79 | 15   | 0356 0.52<br>1112 1.17<br>MO 1848 0.50<br>2346 0.65   | 23   | 0216 0.48<br>0858 0.87<br>TU 1430 0.65<br>2013 0.83   |    |   |
| 8    | 0416 0.33<br>1153 0.77<br>FR 1557 0.72<br>2025 0.82   | 16   | 0439 0.43<br>1111 1.01<br>SA 1803 0.43<br>2328 0.70   | 24   | 0308 0.42<br>1026 0.75<br>SU 1314 0.73<br>1932 0.90   |      |   | 8    | 0308 0.52<br>1002 0.85<br>MO 1601 0.65<br>2055 0.77 | 16   | 0402 0.53<br>1138 1.17<br>TU 1928 0.53<br>●           | 24   | 0234 0.49<br>0908 0.95<br>WE 1524 0.53<br>○ 2120 0.81 |    |   |

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Caution: Predictions are of secondary quality

Times are in local standard time (Time Zone UTC +08:00)

Moon Phase Symbols ● New Moon ○ First Quarter ○ Full Moon ● Last Quarter





# BREMER BAY – WESTERN AUSTRALIA

LAT 34° 26' S LONG 119° 24' E

# 2024

TIMES AND HEIGHTS OF HIGH AND LOW WATERS

LOCAL TIME

## SEPTEMBER

## OCTOBER

| Time    | m  | Time     | m  | Time     | m  | Time     | m  |
|---------|--|----------|--|----------|--|----------|--|
| 1<br>SU | 0126 0.69<br>1617 0.28                           | 9<br>MO  | 0546 0.17<br>1157 0.62<br>1715 0.31<br>2343 0.85 | 17<br>TU | 0353 0.49<br>0904 0.67<br>1618 0.24<br>2241 0.59 | 25<br>WE | 0626 0.26<br>1139 0.47<br>1635 0.28<br>2340 0.88 |
| 2<br>MO | 0738 0.67<br>1601 0.25<br>2321 0.56              | 10<br>TU | 0633 0.20<br>1227 0.51<br>1706 0.34              | 18<br>WE | 0355 0.41<br>0935 0.66<br>1608 0.27<br>2220 0.61 | 26<br>TH | 0657 0.30<br>1144 0.45<br>1635 0.29              |
| 3<br>TU | 0144 0.54<br>0817 0.73<br>1600 0.22<br>2214 0.55 | 11<br>WE | 0008 0.86<br>0726 0.27<br>1242 0.40<br>1622 0.33 | 19<br>TH | 0357 0.34<br>0958 0.64<br>1554 0.27<br>2211 0.65 | 27<br>FR | 0001 0.86<br>0733 0.35<br>1125 0.42<br>1627 0.29 |
| 4<br>WE | 0223 0.45<br>0852 0.78<br>1604 0.20<br>2204 0.59 | 12<br>TH | 0028 0.85<br>0839 0.34<br>1020 0.35<br>1539 0.28 | 20<br>FR | 0411 0.28<br>1020 0.62<br>1556 0.26<br>2214 0.71 | 28<br>SA | 0023 0.83<br>0825 0.39<br>1052 0.41<br>1620 0.30 |
| 5<br>TH | 0300 0.36<br>0927 0.81<br>1615 0.18<br>2212 0.63 | 13<br>FR | 0033 0.82<br>1535 0.22                           | 21<br>SA | 0433 0.24<br>1038 0.59<br>1606 0.25<br>2223 0.77 | 29<br>SU | 0046 0.78<br>1606 0.30                           |
| 6<br>FR | 0339 0.27<br>1004 0.81<br>1631 0.19<br>2228 0.69 | 14<br>SA | 0021 0.77<br>1546 0.19                           | 22<br>SU | 0459 0.21<br>1055 0.56<br>1618 0.25<br>2238 0.82 | 30<br>MO | 0114 0.72<br>1515 0.28                           |
| 7<br>SA | 0419 0.20<br>1042 0.78<br>1649 0.22<br>2251 0.75 | 15<br>SU | 0016 0.70<br>1601 0.19<br>2341 0.64              | 23<br>MO | 0527 0.21<br>1111 0.54<br>1625 0.26<br>2256 0.85 |          |  |
| 8<br>SU | 0501 0.17<br>1121 0.71<br>1705 0.26<br>2316 0.81 | 16<br>MO | 0356 0.57<br>0820 0.67<br>1613 0.21<br>2300 0.60 | 24<br>TU | 0556 0.22<br>1126 0.51<br>1630 0.27<br>2318 0.88 |          |  |

|         |  |          |  |          |  |          |  |
|---------|--|----------|--|----------|--|----------|--|
| 1<br>TU | 0217 0.64<br>1504 0.26<br>2258 0.55              | 9<br>WE  | 0656 0.13<br>1254 0.37<br>1603 0.33<br>2358 0.94 | 17<br>TH | 0433 0.37<br>0923 0.49<br>1455 0.31<br>2143 0.63 | 25<br>FR | 0712 0.23<br>1213 0.38<br>1620 0.28<br>2359 0.89 |
| 2<br>WE | 0112 0.54<br>0713 0.63<br>1506 0.23<br>2133 0.56 | 10<br>TH | 0755 0.20  | 18<br>FR | 0430 0.31<br>0944 0.47<br>1449 0.29<br>2138 0.68 | 26<br>SA | 0748 0.26<br>1233 0.36<br>1623 0.29              |
| 3<br>TH | 0217 0.43<br>0819 0.65<br>1513 0.21<br>2128 0.62 | 11<br>FR | 0023 0.90<br>1428 0.24                           | 19<br>SA | 0429 0.26<br>1005 0.46<br>1501 0.26<br>2145 0.75 | 27<br>SU | 0027 0.85<br>0831 0.29<br>1250 0.34<br>1621 0.30 |
| 4<br>FR | 0301 0.32<br>0910 0.66<br>1527 0.21<br>2141 0.69 | 12<br>SA | 0033 0.83<br>1453 0.21                           | 20<br>SU | 0443 0.21<br>1028 0.45<br>1518 0.25<br>2200 0.80 | 28<br>MO | 0057 0.79<br>0938 0.31<br>1154 0.32<br>1606 0.31 |
| 5<br>SA | 0345 0.22<br>0958 0.64<br>1546 0.22<br>2202 0.77 | 13<br>SU | 0009 0.75<br>1518 0.21<br>2355 0.68              | 21<br>MO | 0507 0.18<br>1051 0.44<br>1533 0.25<br>2219 0.85 | 29<br>TU | 0129 0.72<br>1337 0.29                           |
| 6<br>SU | 0430 0.14<br>1045 0.60<br>1605 0.25<br>2228 0.85 | 14<br>MO | 0536 0.23<br>2323 0.62                           | 22<br>TU | 0535 0.17<br>1113 0.43<br>1546 0.26<br>2241 0.89 | 30<br>WE | 0213 0.63<br>1346 0.27                           |
| 7<br>MO | 0516 0.10<br>1130 0.54<br>1620 0.29<br>2258 0.91 | 15<br>TU | 0447 0.50<br>0800 0.54<br>1541 0.27<br>2236 0.59 | 23<br>WE | 0607 0.18<br>1134 0.41<br>1557 0.27<br>2306 0.91 | 31<br>TH | 0444 0.54<br>1356 0.26<br>2049 0.54              |
| 8<br>TU | 0604 0.10<br>1214 0.46<br>1625 0.32<br>2329 0.95 | 16<br>WE | 0434 0.43<br>0855 0.52<br>1529 0.30<br>2210 0.59 | 24<br>TH | 0639 0.20<br>1153 0.40<br>1610 0.27<br>2333 0.91 |          |  |

## NOVEMBER

## DECEMBER

|         |  |          |  |          |  |          |  |
|---------|--|----------|--|----------|--|----------|--|
| 1<br>FR | 0221 0.40<br>0748 0.50<br>1414 0.25<br>2053 0.62 | 9<br>SA  | 0027 0.88<br>1035 0.21                           | 17<br>SU | 0517 0.22<br>1019 0.34<br>1408 0.28<br>2127 0.73 | 25<br>MO | 0032 0.84<br>0806 0.21<br>1329 0.36<br>1723 0.28 |
| 2<br>SA | 0317 0.28<br>0910 0.49<br>1436 0.26<br>2113 0.72 | 10<br>SU | 0043 0.79<br>1441 0.24                           | 18<br>MO | 0515 0.18<br>1042 0.35<br>1437 0.27<br>2147 0.79 | 26<br>TU | 0101 0.78<br>0838 0.23<br>1416 0.36<br>1737 0.32 |
| 3<br>SU | 0405 0.17<br>1011 0.47<br>1500 0.27<br>2141 0.82 | 11<br>MO | 0021 0.70<br>1517 0.26<br>2355 0.63              | 19<br>TU | 0528 0.15<br>1107 0.36<br>1501 0.27<br>2210 0.84 | 27<br>WE | 0128 0.69<br>0915 0.26<br>1535 0.37<br>1726 0.36 |
| 4<br>MO | 0451 0.09<br>1104 0.45<br>1523 0.28<br>2213 0.90 | 12<br>TU | 0533 0.30<br>2337 0.57                           | 20<br>WE | 0550 0.13<br>1129 0.36<br>1524 0.26<br>2236 0.88 | 28<br>TH | 0148 0.59<br>1001 0.29                           |
| 5<br>TU | 0538 0.04<br>1154 0.40<br>1542 0.30<br>2248 0.96 | 13<br>WE | 0512 0.34<br>2233 0.55                           | 21<br>TH | 0615 0.13<br>1148 0.37<br>1547 0.26<br>2304 0.90 | 29<br>FR | 0142 0.48<br>1121 0.31<br>1956 0.52              |
| 6<br>WE | 0626 0.04<br>1243 0.35<br>1550 0.30<br>2324 0.98 | 14<br>TH | 0605 0.34<br>1015 0.37<br>1311 0.35<br>2149 0.56 | 22<br>FR | 0641 0.14<br>1205 0.37<br>1611 0.26<br>2333 0.90 | 30<br>SA | 0427 0.34<br>0832 0.36<br>1247 0.32<br>2019 0.62 |
| 7<br>TH | 0716 0.07<br>2358 0.95                           | 15<br>FR | 0552 0.30<br>1020 0.35<br>1309 0.33<br>2112 0.60 | 23<br>SA | 0708 0.16<br>1227 0.37<br>1636 0.26              |          |  |
| 8<br>FR | 0811 0.14  | 16<br>SA | 0533 0.26<br>1004 0.34<br>1338 0.30<br>2112 0.67 | 24<br>SU | 0003 0.88<br>0737 0.19<br>1254 0.37<br>1701 0.27 |          |  |

|         |  |          |  |          |  |          |  |
|---------|--|----------|--|----------|--|----------|--|
| 1<br>SU | 0421 0.22<br>1008 0.37<br>1337 0.33<br>2051 0.73 | 9<br>MO  | 0041 0.73<br>0812 0.27<br>1254 0.33<br>1617 0.30 | 17<br>TU | 0536 0.16<br>1132 0.35<br>1412 0.33<br>2141 0.77 | 25<br>WE | 0053 0.74<br>0746 0.22<br>1344 0.46<br>1844 0.31 |
| 2<br>MO | 0449 0.12<br>1101 0.38<br>1417 0.32<br>2128 0.83 | 10<br>TU | 0027 0.64<br>0808 0.30<br>2358 0.58              | 18<br>WE | 0539 0.13<br>1126 0.36<br>1453 0.31<br>2206 0.83 | 26<br>TH | 0111 0.64<br>0800 0.26<br>1423 0.48<br>1937 0.36 |
| 3<br>TU | 0524 0.04<br>1143 0.37<br>1453 0.31<br>2207 0.91 | 11<br>WE | 0741 0.30<br>1255 0.42<br>1659 0.37<br>2348 0.54 | 19<br>TH | 0550 0.11<br>1135 0.38<br>1526 0.28<br>2233 0.87 | 27<br>FR | 0108 0.53<br>0759 0.29<br>1526 0.50<br>2140 0.42 |
| 4<br>WE | 0601 0.00<br>1220 0.36<br>1524 0.30<br>2247 0.95 | 12<br>TH | 0717 0.27<br>1410 0.44<br>1705 0.42<br>2303 0.51 | 20<br>FR | 0606 0.11<br>1145 0.39<br>1557 0.26<br>2301 0.89 | 28<br>SA | 0021 0.44<br>0648 0.30<br>1831 0.55              |
| 5<br>TH | 0638 0.01<br>1254 0.33<br>1552 0.29<br>2326 0.95 | 13<br>FR | 0649 0.25<br>2146 0.52                           | 21<br>SA | 0625 0.12<br>1157 0.41<br>1629 0.24<br>2329 0.89 | 29<br>SU | 0524 0.25<br>1950 0.65                           |
| 6<br>FR | 0714 0.06<br>1322 0.31<br>1607 0.29              | 14<br>SA | 0624 0.23<br>2045 0.58                           | 22<br>SU | 0645 0.13<br>1217 0.43<br>1700 0.23<br>2359 0.87 | 30<br>MO | 0454 0.16<br>2039 0.75                           |
| 7<br>SA | 0001 0.90<br>0743 0.13<br>1335 0.30<br>1605 0.28 | 15<br>SU | 0607 0.21<br>2055 0.65                           | 23<br>MO | 0707 0.15<br>1242 0.44<br>1733 0.24              | 31<br>TU | 0509 0.09<br>1209 0.41<br>1352 0.40<br>2123 0.84 |
| 8<br>SU | 0028 0.82<br>0803 0.21<br>1321 0.30<br>1603 0.28 | 16<br>MO | 0545 0.18<br>2116 0.71                           | 24<br>TU | 0027 0.81<br>0728 0.18<br>1311 0.45<br>1807 0.26 |          |  |

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Datum of Predictions is Lowest Astronomical Tide

Caution: Predictions are of secondary quality

Times are in local standard time (Time Zone UTC +08:00)

Moon Phase Symbols ● New Moon ○ First Quarter ○ Full Moon ● Last Quarter







# AUSTRALIA, WEST COAST – BUNBURY

LAT 33° 19' S LONG 115° 39' E

# 2024

TIMES AND HEIGHTS OF HIGH AND LOW WATERS

TIME ZONE -0800

## JANUARY

## FEBRUARY

| Time | m                      | Time | m  | Time | m                      | Time | m  |
|------|------------------------|------|--|------|------------------------|------|--|
| 1    | 0648 0.37<br>2114 0.76 | 9    | 0455 0.21<br>1933 1.05                           | 17   | 0625 0.45<br>1623 0.76 | 25   | 0552 0.24<br>2028 0.97                           |
| MO   |                        | TU   |  | WE   |                        | TH   |  |
| 2    | 0707 0.39<br>2121 0.73 | 10   | 0521 0.15<br>2004 1.07                           | 18   | 0635 0.43<br>1703 0.83 | 26   | 0623 0.26<br>2108 0.95                           |
| TU   |                        | WE   |  | TH   | ☉                      | FR   | ☉  |
| 3    | 0725 0.42<br>1752 0.72 | 11   | 0556 0.12<br>2037 1.06                           | 19   | 0343 0.36<br>1742 0.90 | 27   | 0652 0.31<br>2150 0.91                           |
| WE   |                        | TH   | ☉  | FR   |                        | SA   |  |
| 4    | 0736 0.44<br>1759 0.77 | 12   | 0633 0.12<br>2112 1.03                           | 20   | 0423 0.28<br>1819 0.95 | 28   | 0546 0.36<br>1416 0.60<br>1559 0.58<br>2231 0.86 |
| TH   | ☉                      | FR   |  | SA   |                        | SU   |  |
| 5    | 0732 0.45<br>1809 0.83 | 13   | 0711 0.15<br>1340 0.55<br>1448 0.54<br>2150 0.97 | 21   | 0500 0.23<br>1855 0.97 | 29   | 0544 0.37<br>1457 0.62<br>1648 0.60<br>2312 0.79 |
| FR   |                        | SA   |  | SU   |                        | MO   |  |
| 6    | 0508 0.41<br>1826 0.89 | 14   | 0750 0.22<br>1417 0.58<br>1544 0.56<br>2229 0.88 | 22   | 0532 0.22<br>1917 0.99 | 30   | 0603 0.38<br>1239 0.66<br>1741 0.63<br>2050 0.73 |
| SA   |                        | SU   |  | MO   |                        | TU   |  |
| 7    | 0507 0.35<br>1845 0.95 | 15   | 0828 0.32<br>1459 0.62<br>1639 0.59<br>2305 0.77 | 23   | 0537 0.22<br>1920 0.99 | 31   | 0623 0.40<br>1308 0.72<br>1841 0.65<br>2100 0.69 |
| SU   |                        | MO   |  | TU   |                        | WE   |  |
| 8    | 0502 0.28<br>1907 1.01 | 16   | 0858 0.42<br>1542 0.69<br>2211 0.64<br>2331 0.65 | 24   | 0524 0.23<br>1949 0.99 |      |  |
| MO   |                        | TU   |  | WE   |                        |      |  |

| Time | m                      | Time | m  | Time | m  | Time | m  |
|------|------------------------|------|--|------|--|------|--|
| 1    | 0638 0.42<br>1339 0.77 | 9    | 0528 0.15<br>2100 1.03                             | 17   | 0319 0.28<br>1403 0.91<br>1539 0.89<br>1711 0.91   | 25   | 0431 0.41<br>1234 0.67<br>1530 0.57<br>2147 0.86   |
| TH   |                        | FR   |  | SA   |  | SU   |  |
| 2    | 0642 0.44<br>1410 0.82 | 10   | 0601 0.19<br>1219 0.60<br>1411 0.57<br>2115 0.97   | 18   | 0359 0.25<br>1500 0.91                             | 26   | 0434 0.42<br>1116 0.70<br>1614 0.57<br>2228 0.81   |
| FR   |                        | SA   | ☉  | SU   |  | MO   |  |
| 3    | 0424 0.42<br>1445 0.86 | 11   | 0636 0.25<br>1249 0.64<br>1509 0.55<br>2355 0.86   | 19   | 0437 0.25<br>1843 0.93                             | 27   | 0454 0.43<br>1129 0.76<br>1657 0.57<br>2308 0.74   |
| SA   | ☉                      | SU   |  | MO   |  | TU   |  |
| 4    | 0426 0.36<br>1532 0.90 | 12   | 0711 0.35<br>1326 0.69<br>1602 0.56                | 20   | 0506 0.27<br>1919 0.93                             | 28   | 0516 0.45<br>1154 0.82<br>1743 0.58<br>* 2345 0.67 |
| SU   |                        | MO   |  | TU   |  | WE   | *  |
| 5    | 0436 0.30<br>1825 0.96 | 13   | 0114 0.75<br>0507 0.47<br>1407 0.74<br>* 1655 0.59 | 21   | 0453 0.30<br>1934 0.93                             | 29   | 0534 0.47<br>1221 0.87<br>1831 0.60<br>* 2029 0.63 |
| MO   |                        | TU   | *  | WE   |  | TH   | *  |
| 6    | 0447 0.24<br>1906 1.01 | 14   | 0223 0.62<br>0517 0.46<br>* 1450 0.80              | 22   | 0447 0.31<br>1952 0.94                             |      |  |
| TU   |                        | WE   | *  | TH   |  |      |  |
| 7    | 0453 0.19<br>1947 1.05 | 15   | 0146 0.47<br>0333 0.50<br>0534 0.44<br>1534 0.85   | 23   | 0514 0.33<br>1146 0.64<br>1351 0.61<br>2027 0.93   |      |  |
| WE   |                        | TH   |  | FR   |  |      |  |
| 8    | 0502 0.16<br>2027 1.06 | 16   | 0234 0.36<br>1317 0.89<br>1456 0.87<br>☉ 1622 0.88 | 24   | 0540 0.37<br>1210 0.66<br>1444 0.59<br>☉ 2106 0.90 |      |  |
| TH   |                        | FR   | ☉  | SA   |  |      |  |

## MARCH

## APRIL

| Time | m   | Time | m   | Time | m   | Time | m   |
|------|---|------|---|------|---|------|---|
| 1    | 0542 0.49<br>1247 0.90<br>FR 1932 0.61<br>* 2023 0.61 | 9    | 0443 0.29<br>1108 0.68<br>SA 1410 0.63<br>2144 0.98   | 17   | 0248 0.30<br>1321 0.97<br>SU 1547 0.90<br>☉ 1634 0.90 | 25   | 0320 0.51<br>1009 0.83<br>MO 1533 0.59<br>☉ 2143 0.81 |
| FR   |   | SA   |   | SU   | ☉   | MO   | ☉   |
| 2    | 0318 0.46<br>1313 0.93                                | 10   | 0515 0.35<br>1129 0.74<br>SU 1451 0.59<br>☉ 2301 0.89 | 18   | 0329 0.31<br>1410 0.93<br>MO 1616 0.88<br>1731 0.89   | 26   | 0341 0.53<br>1020 0.89<br>TU 1614 0.56<br>2223 0.75   |
| SA   |   | SU   | ☉   | MO   |   | TU   |   |
| 3    | 0324 0.41<br>1343 0.94                                | 11   | 0548 0.45<br>1201 0.80<br>MO 1755 0.58                | 19   | 0402 0.34<br>1517 0.88<br>TU 1636 0.87<br>1823 0.89   | 27   | 0403 0.54<br>1043 0.95<br>WE 1655 0.55<br>2302 0.69   |
| SU   | ☉   | MO   |   | TU   |   | WE   |   |
| 4    | 0337 0.36<br>1423 0.95                                | 12   | 0015 0.78<br>0610 0.56<br>TU 1237 0.85<br>1921 0.54   | 20   | 0419 0.39<br>1906 0.89                                | 28   | 0423 0.56<br>1110 0.99<br>TH 1738 0.55<br>2338 0.63   |
| MO   |   | TU   |   | WE   |   | TH   |   |
| 5    | 0353 0.31<br>1805 0.96                                | 13   | 0126 0.67<br>0405 0.53<br>WE 1312 0.90<br>2044 0.50   | 21   | 0336 0.42<br>1932 0.89                                | 29   | 0151 0.58<br>1135 1.02<br>FR 2203 0.52                |
| TU   |   | WE   |   | TH   |   | FR   |   |
| 6    | 0409 0.27<br>1854 1.01                                | 14   | 0235 0.57<br>0426 0.51<br>TH 1122 0.96                | 22   | 0354 0.44<br>1039 0.73<br>FR 1329 0.69<br>1951 0.89   | 30   | 0010 0.56<br>0200 0.53<br>SA 1200 1.03<br>2249 0.48   |
| WE   |   | TH   |   | FR   |   | SA   |   |
| 7    | 0416 0.25<br>1944 1.04                                | 15   | 0114 0.39<br>0350 0.49<br>FR 0441 0.49<br>1158 1.00   | 23   | 0410 0.48<br>1052 0.76<br>SA 1413 0.65<br>2024 0.88   | 31   | 1228 1.04<br>SU                                       |
| TH   |   | FR   |   | SA   |   | SU   |   |
| 8    | 0417 0.25<br>2038 1.03                                | 16   | 0203 0.33<br>1238 1.00                                | 24   | 0314 0.51<br>1103 0.78<br>SU 1453 0.61<br>2103 0.85   |      |   |
| FR   |   | SA   |   | SU   |   |      |   |

| Time | m   | Time | m   | Time | m   | Time | m   |
|------|---|------|---|------|---|------|---|
| 1    | 0226 0.44<br>1301 1.03                              | 9    | 0244 0.63<br>1106 0.99<br>TU 1814 0.50              | 17   | 0319 0.49<br>1113 0.88<br>WE 1643 0.87<br>1734 0.87 | 25   | 0057 0.70<br>0305 0.66<br>TH 0957 1.11<br>1716 0.55 |
| MO   |   | TU   | ☉   | WE   |   | TH   |   |
| 2    | 0245 0.40<br>1342 1.01                              | 10   | 0028 0.72<br>0251 0.63<br>WE 0952 1.03<br>1923 0.46 | 18   | 0208 0.53<br>1127 0.84<br>TH 1314 0.82<br>1821 0.86 | 26   | 1024 1.14<br>2032 0.50<br>FR                        |
| TU   | ☉   | WE   |   | TH   |   | FR   |   |
| 3    | 0304 0.37<br>1433 0.97                              | 11   | 1012 1.09<br>2036 0.44<br>TH 2218 0.46<br>2337 0.45 | 19   | 0224 0.56<br>0934 0.82<br>FR 1359 0.78<br>1902 0.85 | 27   | 1052 1.14<br>2118 0.48<br>SA                        |
| WE   |   | TH   |   | FR   |   | SA   |   |
| 4    | 0317 0.37<br>1125 0.82<br>1207 0.82<br>1833 1.00    | 12   | 1048 1.12<br>2151 0.43<br>FR 2246 0.43              | 20   | 0230 0.59<br>0930 0.86<br>SA 1425 0.73<br>1944 0.84 | 28   | 1122 1.14<br>2203 0.46<br>SU                        |
| TH   |   | FR   |   | SA   |   | SU   |   |
| 5    | 0251 0.38<br>1111 0.78<br>FR 1308 0.75<br>1930 0.99 | 13   | 0038 0.40<br>1127 1.11<br>SA                        | 21   | 0204 0.61<br>0928 0.90<br>SU 1442 0.69<br>2030 0.82 | 29   | 1157 1.12<br>2251 0.46<br>MO                        |
| FR   |   | SA   |   | SU   |   | MO   |   |
| 6    | 0313 0.42<br>1003 0.78<br>SA 1407 0.68<br>2040 0.95 | 14   | 0131 0.39<br>1207 1.07<br>SU                        | 22   | 0208 0.62<br>0902 0.95<br>MO 1512 0.64<br>2115 0.79 | 30   | 1234 1.09<br>2339 0.46<br>TU                        |
| SA   |   | SU   |   | MO   |   | TU   |   |
| 7    | 0342 0.49<br>1004 0.85<br>SU 1535 0.62<br>2201 0.89 | 15   | 0215 0.40<br>1247 1.01<br>MO                        | 23   | 0226 0.63<br>0909 1.01<br>TU 1548 0.60<br>2157 0.75 |      |   |
| SU   |   | MO   |   | TU   |   |      |   |
| 8    | 0406 0.57<br>1034 0.92<br>MO 1704 0.55<br>2318 0.80 | 16   | 0253 0.44<br>1332 0.95<br>TU                        | 24   | 0246 0.65<br>0930 1.07<br>WE 1629 0.57              |      |   |
| MO   |   | TU   | ☉   | WE   |   |      |   |

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Datum of Predictions is Lowest Astronomical Tide

\* Extra Tides

Moon Phase Symbols ● New Moon ○ First Quarter ○ Full Moon ○ Last Quarter

# AUSTRALIA, WEST COAST – BUNBURY

LAT 33° 19' S LONG 115° 39' E

# 2024

TIMES AND HEIGHTS OF HIGH AND LOW WATERS

TIME ZONE -0800

## MAY

| Time | m   | Time | m   | Time | m   | Time | m                                      |
|------|---|------|---|------|---|------|--|
| 1    | 1314 1.04   | 9    | 0044 0.70<br>0150 0.69<br>TH 0906 1.20<br>1920 0.42 | 17   | 0049 0.65<br>1009 0.89<br>FR 1318 0.86<br>1434 0.86 | 25   | 0946 1.22<br>1959 0.44                 |
| 2    | 0027 0.48<br>1400 0.98<br>TH 1539 0.96<br>1706 0.97 | 10   | 0940 1.21<br>2019 0.42                              | 18   | 0103 0.68<br>0807 0.93<br>SA 1429 0.80<br>1641 0.80 | 26   | 1020 1.22<br>2042 0.44                 |
| 3    | 0107 0.51<br>1004 0.87<br>FR 1208 0.83<br>1807 0.94 | 11   | 1019 1.20<br>2356 0.46                              | 19   | 0047 0.70<br>0807 0.98<br>SU 1523 0.74<br>2022 0.78 | 27   | 1057 1.19<br>2125 0.45                 |
| 4    | 0136 0.55<br>0903 0.87<br>SA 1317 0.76<br>1919 0.90 | 12   | 1059 1.15<br>SU                                     | 20   | 0040 0.71<br>0803 1.03<br>MO 1609 0.67<br>2148 0.76 | 28   | 1136 1.15<br>2209 0.48                 |
| 5    | 0200 0.61<br>0827 0.95<br>SU 1504 0.67<br>2102 0.84 | 13   | 0054 0.49<br>1139 1.10<br>MO 2258 0.54<br>2358 0.54 | 21   | 0054 0.72<br>0805 1.09<br>TU 1657 0.61<br>2307 0.75 | 29   | 1215 1.09<br>2253 0.52                 |
| 6    | 0208 0.68<br>0857 1.03<br>MO 1621 0.58<br>2232 0.79 | 14   | 0140 0.52<br>1220 1.04<br>TU 2344 0.58              | 22   | 0113 0.73<br>0821 1.15<br>WE 1745 0.55              | 30   | 1253 1.01<br>2332 0.58                 |
| 7    | 0130 0.72<br>0927 1.10<br>TU 1721 0.50<br>2339 0.74 | 15   | 1301 0.98<br>WE                                     | 23   | 0017 0.74<br>0131 0.73<br>TH 0845 1.19<br>1831 0.50 | 31   | 0915 0.91<br>1528 0.90<br>FR 1637 0.90 |
| 8    | 0131 0.71<br>0900 1.15<br>WE 1820 0.44              | 16   | 0022 0.61<br>1032 0.92<br>TH 1207 0.91<br>1344 0.92 | 24   | 0914 1.22<br>1916 0.46                              |      |  |

## JUNE

| Time | m   | Time | m                                      | Time | m                      | Time | m   |
|------|---|------|--|------|------------------------|------|---|
| 1    | 0003 0.64<br>0644 0.91<br>SA 1546 0.80<br>1750 0.83 | 9    | 1000 1.19<br>2038 0.48                 | 17   | 0708 1.03<br>1740 0.67 | 25   | 1040 1.16<br>2049 0.45                              |
| 2    | 0023 0.70<br>0701 1.00<br>SU 1611 0.70<br>1950 0.76 | 10   | 1040 1.14<br>2120 0.53                 | 18   | 0717 1.09<br>1657 0.60 | 26   | 1119 1.09<br>2129 0.51                              |
| 3    | 0018 0.75<br>0731 1.09<br>MO 1630 0.59              | 11   | 1120 1.08<br>TU                        | 19   | 0729 1.14<br>1700 0.53 | 27   | 1157 1.00<br>2205 0.59                              |
| 4    | 0803 1.16<br>1656 0.51                              | 12   | 0056 0.62<br>1200 1.02<br>WE 2237 0.64 | 20   | 0749 1.19<br>1735 0.47 | 28   | 0844 0.88<br>1023 0.87<br>FR 1228 0.90<br>2229 0.67 |
| 5    | 0823 1.21<br>1738 0.44                              | 13   | 1239 0.96<br>2005 0.67                 | 21   | 0817 1.22<br>1813 0.42 | 29   | 0816 0.87<br>1933 0.68                              |
| 6    | 0815 1.24<br>1823 0.41                              | 14   | 1317 0.90<br>2029 0.68                 | 22   | 0850 1.24<br>1851 0.39 | 30   | 0550 0.98<br>1924 0.66                              |
| 7    | 0842 1.24<br>1909 0.41                              | 15   | 0651 0.92<br>2052 0.69                 | 23   | 0925 1.23<br>1929 0.39 |      |   |
| 8    | 0919 1.23<br>1954 0.43                              | 16   | 0659 0.98<br>2108 0.70                 | 24   | 1001 1.21<br>2008 0.41 |      |   |

## JULY

| Time | m                      | Time | m   | Time | m   | Time | m   |
|------|------------------------|------|---|------|---|------|---|
| 1    | 0624 1.06<br>1646 0.54 | 9    | 1030 1.07<br>2032 0.55                              | 17   | 0647 1.05<br>1712 0.49                              | 25   | 0223 0.73<br>0428 0.67<br>TH 1101 0.93<br>2044 0.56   |
| 2    | 0700 1.13<br>1723 0.46 | 10   | 1110 1.01<br>1837 0.59                              | 18   | 0714 1.10<br>1708 0.43                              | 26   | 0307 0.78<br>0522 0.71<br>FR 1134 0.82<br>* 1813 0.61 |
| 3    | 0735 1.17<br>1755 0.42 | 11   | 1150 0.95<br>1852 0.59                              | 19   | 0745 1.15<br>1720 0.38                              | 27   | 0350 0.84<br>0624 0.76<br>SA 0801 0.78<br>* 1826 0.59 |
| 4    | 0800 1.19<br>1756 0.40 | 12   | 0457 0.79<br>0600 0.79<br>FR 0928 0.88<br>1913 0.60 | 20   | 0819 1.18<br>1748 0.34                              | 28   | 0433 0.91<br>1515 0.53                                |
| 5    | 0806 1.19<br>1813 0.39 | 13   | 0525 0.84<br>0725 0.82<br>SA 0935 0.85<br>1933 0.61 | 21   | 0852 1.18<br>1821 0.33                              | 29   | 0516 0.97<br>1555 0.44                                |
| 6    | 0833 1.18<br>1846 0.41 | 14   | 0547 0.89<br>1946 0.62                              | 22   | 0923 1.16<br>1855 0.35                              | 30   | 0559 1.02<br>1634 0.38                                |
| 7    | 0910 1.15<br>1923 0.44 | 15   | 0606 0.95<br>1707 0.60                              | 23   | 0107 0.66<br>0239 0.64<br>TU 0954 1.11<br>1932 0.40 | 31   | 0643 1.06<br>1710 0.35                                |
| 8    | 0950 1.11<br>1959 0.49 | 16   | 0624 1.00<br>1710 0.55                              | 24   | 0142 0.69<br>0335 0.64<br>WE 1027 1.04<br>2010 0.47 |      |   |

## AUGUST

| Time | m   | Time | m   | Time | m   | Time | m   |
|------|---|------|---|------|---|------|---|
| 1    | 0726 1.07<br>1737 0.36                              | 9    | 0005 0.75<br>0526 0.65<br>FR 1144 0.81<br>1805 0.53   | 17   | 0746 1.06<br>1646 0.30                                | 25   | 0302 0.85<br>1402 0.43<br>SU 1630 0.51<br>* 1730 0.50 |
| 2    | 0802 1.08<br>1727 0.37                              | 10   | 0037 0.80<br>0618 0.67<br>SA 0857 0.75<br>* 1825 0.54 | 18   | 0829 1.09<br>1706 0.29                                | 26   | 0352 0.88<br>1446 0.34                                |
| 3    | 0818 1.07<br>1740 0.38                              | 11   | 0110 0.85<br>0716 0.69<br>SU 0908 0.72<br>1838 0.56   | 19   | 0917 1.08<br>1737 0.31<br>MO 2343 0.63                | 27   | 0445 0.90<br>1528 0.30                                |
| 4    | 0834 1.05<br>1811 0.41                              | 12   | 0143 0.88<br>1605 0.53                                | 20   | 0208 0.59<br>1011 1.03<br>TU 1811 0.36                | 28   | 0223 0.90<br>0349 0.88<br>WE 0538 0.91<br>1607 0.29   |
| 5    | 0025 0.65<br>0207 0.63<br>MO 0907 1.03<br>1843 0.45 | 13   | 0219 0.90<br>1612 0.48                                | 21   | 0014 0.67<br>0301 0.56<br>WE 1125 0.94<br>1848 0.44   | 29   | 0630 0.92<br>1639 0.31                                |
| 6    | 0056 0.66<br>0301 0.62<br>TU 0945 0.99<br>1910 0.50 | 14   | 0300 0.92<br>1624 0.43                                | 22   | 0052 0.71<br>0350 0.55<br>TH 1248 0.83<br>1922 0.54   | 30   | 0720 0.93<br>1648 0.35                                |
| 7    | 1025 0.94<br>1722 0.52<br>WE 2345 0.69              | 15   | 0622 0.96<br>1635 0.38                                | 23   | 0133 0.76<br>0440 0.57<br>FR 1403 0.71<br>* 1656 0.55 | 31   | 0805 0.92<br>1628 0.37                                |
| 8    | 0437 0.63<br>1105 0.88<br>TH 1741 0.52              | 16   | 0704 1.01<br>1643 0.33                                | 24   | 0215 0.81<br>0928 0.56<br>SA 1515 0.60<br>* 1716 0.53 |      |   |

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Datum of Predictions is Lowest Astronomical Tide

\* Extra Tides

Moon Phase Symbols ● New Moon ○ First Quarter ○ Full Moon ○ Last Quarter

# AUSTRALIA, WEST COAST – BUNBURY

LAT 33° 19' S LONG 115° 39' E

# 2024

TIMES AND HEIGHTS OF HIGH AND LOW WATERS

TIME ZONE -0800

## SEPTEMBER

## OCTOBER

| Time | m   | Time | m   | Time | m   | Time | m   |
|------|---|------|---|------|---|------|---|
| 1    | 0833 0.92<br>1652 0.40<br>SU 2306 0.63              | 9    | 0025 0.87<br>0659 0.55<br>* 0836 0.57<br>1455 0.47  | 17   | 0216 0.54<br>0926 0.93<br>TU 1639 0.37<br>2246 0.68 | 25   | 0053 0.87<br>1457 0.26                              |
| 2    | 0140 0.58<br>0838 0.90<br>MO 1719 0.43<br>2331 0.65 | 10   | 0053 0.88<br>1156 0.45                              | 18   | 0253 0.49<br>1037 0.85<br>WE 1713 0.45<br>2321 0.73 | 26   | 0511 0.79<br>1532 0.29<br>TH 2318 0.71              |
| 3    | 0231 0.55<br>0905 0.88<br>TU 1601 0.47<br>2350 0.66 | 11   | 0124 0.88<br>1517 0.38                              | 19   | 0330 0.47<br>1152 0.76<br>TH 1533 0.53<br>2358 0.78 | 27   | 0013 0.71<br>0611 0.78<br>FR 1553 0.34<br>2343 0.66 |
| 4    | 0316 0.53<br>0941 0.84<br>WE 1606 0.48<br>2232 0.70 | 12   | 0202 0.87<br>1533 0.34                              | 20   | 0644 0.43<br>1305 0.65<br>FR 1541 0.52<br>2215 0.84 | 28   | 0103 0.65<br>0710 0.78<br>SA 1513 0.38<br>2204 0.62 |
| 5    | 0400 0.51<br>1020 0.79<br>TH 1628 0.48<br>2254 0.76 | 13   | 0253 0.86<br>1547 0.31                              | 21   | 0802 0.40<br>1028 0.47<br>SA 1136 0.46<br>2249 0.90 | 29   | 0142 0.60<br>0804 0.78<br>SU 1526 0.41<br>2146 0.64 |
| 6    | 0443 0.51<br>1059 0.73<br>FR 1653 0.49<br>2325 0.81 | 14   | 0643 0.91<br>1537 0.29                              | 22   | 0922 0.37<br>1052 0.39<br>SU 1238 0.36<br>2328 0.93 | 30   | 0142 0.56<br>0844 0.77<br>MO 1540 0.44<br>2203 0.67 |
| 7    | 0527 0.52<br>1138 0.66<br>SA 1715 0.51<br>2355 0.85 | 15   | 0732 0.95<br>1535 0.28<br>SU 2347 0.61              | 23   | 1330 0.28   |      |   |
| 8    | 1018 0.55<br>1213 0.59<br>SU 1442 0.52              | 16   | 0134 0.60<br>0825 0.96<br>MO 1605 0.31<br>2219 0.63 | 24   | 0010 0.91<br>1416 0.25                              |      |   |

| Time | m   | Time | m   | Time | m   | Time | m   |
|------|---|------|---|------|---|------|---|
| 1    | 0206 0.52<br>0859 0.75<br>TU 1443 0.47<br>2153 0.70 | 9    | 0007 0.88<br>1108 0.36                              | 17   | 0432 0.37<br>1059 0.68<br>TH 1423 0.54<br>2203 0.85 | 25   | 0104 0.75<br>1451 0.36<br>FR 2219 0.69              |
| 2    | 0243 0.48<br>0912 0.72<br>WE 1452 0.47<br>2115 0.75 | 10   | 0040 0.86<br>1154 0.33                              | 18   | 0543 0.30<br>1209 0.61<br>FR 1425 0.53<br>2104 0.92 | 26   | 0015 0.67<br>0156 0.68<br>SA 1343 0.42<br>2207 0.65 |
| 3    | 0322 0.44<br>0944 0.68<br>TH 1514 0.48<br>2139 0.81 | 11   | 0120 0.84<br>1436 0.32                              | 19   | 0649 0.25<br>1315 0.54<br>SA 1446 0.51<br>2134 0.97 | 27   | 0114 0.61<br>0642 0.65<br>SU 1356 0.45<br>2023 0.68 |
| 4    | 0401 0.42<br>1020 0.64<br>FR 1538 0.49<br>2209 0.85 | 12   | 0209 0.80<br>0358 0.77<br>SA 0518 0.79<br>1324 0.31 | 20   | 0754 0.24<br>2213 0.98                              | 28   | 0209 0.56<br>0758 0.64<br>MO 1404 0.48<br>2033 0.72 |
| 5    | 0441 0.40<br>1057 0.58<br>SA 1601 0.51<br>2240 0.88 | 13   | 0615 0.81<br>1357 0.32<br>SU 2227 0.64              | 21   | 1155 0.26<br>2255 0.95                              | 29   | 0258 0.51<br>0858 0.64<br>TU 1331 0.50<br>2027 0.76 |
| 6    | 0522 0.40<br>2310 0.89                              | 14   | 0052 0.59<br>0713 0.82<br>MO 1427 0.35<br>2037 0.66 | 22   | 1254 0.25<br>2337 0.89                              | 30   | 0341 0.46<br>0950 0.62<br>WE 1335 0.51<br>2007 0.82 |
| 7    | 0604 0.41<br>1207 0.48<br>MO 1339 0.46<br>2338 0.89 | 15   | 0147 0.51<br>0822 0.79<br>TU 1455 0.40<br>2105 0.72 | 23   | 1342 0.26   |      |   |
| 8    | 1022 0.38<br>1238 0.43<br>TU 1352 0.42              | 16   | 0259 0.44<br>0943 0.75<br>WE 1512 0.48<br>2138 0.79 | 24   | 0019 0.82<br>1422 0.30<br>TH 2159 0.74<br>2316 0.73 | 31   | 0420 0.42<br>1046 0.60<br>TH 1357 0.51<br>2025 0.87 |

## NOVEMBER

## DECEMBER

| Time | m   | Time | m   | Time | m   | Time | m                      |
|------|---|------|---|------|---|------|------------------------|
| 1    | 0506 0.37<br>1152 0.58<br>FR 1420 0.52<br>2051 0.92 | 9    | 0049 0.81<br>1144 0.33<br>SA 2134 0.71<br>2306 0.70 | 17   | 0645 0.15<br>2104 1.03                              | 25   | 1226 0.52<br>1918 0.76 |
| 2    | 0608 0.34<br>1303 0.56<br>SA 1442 0.53<br>2122 0.94 | 10   | 0436 0.72<br>1222 0.36<br>SU 2121 0.68<br>2358 0.62 | 18   | 0739 0.16<br>2144 1.00                              | 26   | 0531 0.51<br>1928 0.81 |
| 3    | 0708 0.32<br>1419 0.54<br>SU 1450 0.54<br>2153 0.95 | 11   | 0544 0.70<br>1253 0.41<br>MO 1909 0.71              | 19   | 0832 0.20<br>2226 0.94                              | 27   | 0320 0.46<br>1924 0.87 |
| 4    | 0759 0.30<br>2225 0.94                              | 12   | 0059 0.53<br>0700 0.66<br>TU 1320 0.46<br>1934 0.79 | 20   | 1209 0.29<br>2307 0.87                              | 28   | 0401 0.39<br>1924 0.92 |
| 5    | 0846 0.29<br>2256 0.92                              | 13   | 0229 0.44<br>0902 0.62<br>WE 1333 0.53<br>2003 0.87 | 21   | 1304 0.34<br>2347 0.79                              | 29   | 0443 0.33<br>1944 0.97 |
| 6    | 0931 0.30<br>2330 0.90                              | 14   | 0355 0.33<br>2024 0.94                              | 22   | 1344 0.40   | 30   | 0525 0.28<br>2012 1.00 |
| 7    | 1016 0.30   | 15   | 0454 0.24<br>2010 0.99                              | 23   | 0027 0.72<br>1142 0.45<br>SA 2129 0.70              |      |                        |
| 8    | 0008 0.86<br>1101 0.31<br>FR 2152 0.76<br>2204 0.76 | 16   | 0550 0.17<br>2028 1.03                              | 24   | 0023 0.65<br>0106 0.66<br>SU 1213 0.49<br>1910 0.71 |      |                        |

| Time | m   | Time | m   | Time | m   | Time | m                      |
|------|---|------|---|------|---|------|------------------------|
| 1    | 0608 0.24<br>2043 1.01                              | 9    | 0059 0.68<br>1110 0.46<br>MO 1800 0.74              | 17   | 0718 0.16<br>2127 0.98                              | 25   | 0522 0.43<br>1844 0.87 |
| 2    | 0648 0.22<br>2117 1.00                              | 10   | 0346 0.55<br>0526 0.56<br>TU 0802 0.51<br>1823 0.83 | 18   | 0759 0.22<br>2206 0.91                              | 26   | 0527 0.38<br>1846 0.92 |
| 3    | 0728 0.22<br>2152 0.98                              | 11   | 0408 0.44<br>1852 0.91                              | 19   | 0837 0.30<br>2244 0.84                              | 27   | 0508 0.34<br>1853 0.96 |
| 4    | 0806 0.23<br>2228 0.95                              | 12   | 0432 0.33<br>1922 0.99                              | 20   | 0908 0.38<br>2048 0.76                              | 28   | 0450 0.28<br>1917 1.00 |
| 5    | 0845 0.25<br>2306 0.91                              | 13   | 0448 0.23<br>1943 1.03                              | 21   | 0657 0.42<br>2057 0.73                              | 29   | 0518 0.23<br>1949 1.03 |
| 6    | 0925 0.29<br>2345 0.85                              | 14   | 0514 0.16<br>1945 1.06                              | 22   | 0713 0.42<br>1752 0.70<br>SU 1920 0.70<br>2103 0.71 | 30   | 0552 0.19<br>2023 1.03 |
| 7    | 1005 0.34<br>2054 0.74<br>SA 2205 0.73              | 15   | 0553 0.13<br>2010 1.06                              | 23   | 0735 0.43<br>1809 0.76                              | 31   | 0625 0.18<br>2059 1.02 |
| 8    | 0024 0.77<br>1041 0.40<br>SU 2038 0.70<br>2312 0.66 | 16   | 0636 0.13<br>2047 1.03                              | 24   | 0753 0.45<br>1830 0.82                              |      |                        |

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Datum of Predictions is Lowest Astronomical Tide

\* Extra Tides

Moon Phase Symbols ● New Moon ○ First Quarter ○ Full Moon ● Last Quarter

# BUSSELTON – WESTERN AUSTRALIA

LAT 33° 39' S LONG 115° 21' E

# 2024

TIMES AND HEIGHTS OF HIGH AND LOW WATERS

LOCAL TIME

## JANUARY

## FEBRUARY

| Time                                     | m  | Time                            | m  | Time  | m  | Time   | m  |
|--|--|---------------------------------|--|---|--|--|--|
| 1 0630 0.29<br>2101 0.71<br>MO 2227 0.70 | 9 0444 0.15<br>1929 0.97<br>TU                         | 17 0632 0.39<br>1630 0.68<br>WE | 25 0600 0.18<br>2035 0.93<br>TH                        | 2 0012 0.73<br>0700 0.30<br>TU 2126 0.69<br>2328 0.64 | 10 0509 0.10<br>1958 0.98<br>WE                        | 18 0328 0.39<br>0452 0.41<br>TH 0635 0.38<br>1706 0.75 | 26 0629 0.21<br>1302 0.54<br>FR 1415 0.53<br>○ 2111 0.91 |
| 3 0050 0.66<br>0730 0.32<br>WE 2145 0.65 | 11 0543 0.08<br>2031 0.97<br>●                         | 19 0403 0.28<br>1733 0.82<br>FR | 27 0701 0.24<br>1334 0.53<br>SA 1514 0.50<br>2151 0.87 | 4 0754 0.35<br>1830 0.70<br>TH ●                      | 12 0623 0.08<br>2110 0.95<br>FR                        | 20 0433 0.20<br>1757 0.88<br>SA                        | 28 0734 0.28<br>1417 0.53<br>SU 1604 0.49<br>2234 0.82   |
| 5 0531 0.37<br>1841 0.74<br>FR           | 13 0706 0.12<br>1328 0.53<br>SA 1500 0.50<br>2154 0.89 | 21 0455 0.15<br>1828 0.93<br>SU | 29 0534 0.28<br>1503 0.54<br>MO 1654 0.49<br>2316 0.75 | 6 0542 0.33<br>1809 0.81<br>SA                        | 14 0749 0.18<br>2239 0.81<br>SU                        | 22 0513 0.14<br>1902 0.95<br>MO                        | 30 0600 0.26<br>1549 0.56<br>TU 1744 0.51<br>2040 0.66   |
| 7 0524 0.28<br>1823 0.88<br>SU           | 15 0833 0.27<br>1500 0.57<br>MO 1655 0.52<br>2325 0.71 | 23 0526 0.14<br>1935 0.96<br>TU | 31 0629 0.27<br>1303 0.60<br>WE 1838 0.53<br>2103 0.61 | 8 0431 0.22<br>1856 0.93<br>MO                        | 16 0912 0.38<br>1547 0.62<br>TU 1756 0.55<br>2011 0.61 | 24 0539 0.16<br>2003 0.95<br>WE                        |  |

|   |  |  |  |                                |  |  |  |
|---|--|--|--|--------------------------------|--|--|--|
| 1 0652 0.29<br>1343 0.65<br>TH 1945 0.55<br>2119 0.57 | 9 0524 0.14<br>1154 0.59<br>FR 1300 0.59<br>2150 0.99  | 17 0330 0.18<br>1419 0.86<br>SA                        | 25 0616 0.34<br>1249 0.62<br>SU 1522 0.51<br>2144 0.84 | 2 0654 0.33<br>1423 0.71<br>FR | 10 0603 0.17<br>1215 0.60<br>SA 1422 0.55<br>● 2242 0.92 | 18 0359 0.16<br>1520 0.86<br>SU                          | 26 0434 0.33<br>1107 0.59<br>MO 1608 0.48<br>2226 0.76 |
| 3 0450 0.29<br>1504 0.77<br>SA ●                      | 11 0643 0.22<br>1252 0.60<br>SU 1520 0.51<br>2204 0.82 | 19 0420 0.17<br>1803 0.88<br>MO                        | 27 0457 0.30<br>1127 0.64<br>TU 1655 0.46<br>2310 0.67 | 4 0456 0.27<br>1559 0.82<br>SU | 12 0720 0.30<br>1331 0.62<br>MO 1614 0.49<br>2237 0.70   | 20 0437 0.21<br>1855 0.90<br>TU                          | 28 0525 0.30<br>1200 0.68<br>WE 1745 0.45<br>2352 0.56 |
| 5 0444 0.25<br>1803 0.88<br>MO                        | 13 0526 0.40<br>1411 0.65<br>TU 1710 0.49<br>2315 0.56 | 21 0448 0.25<br>1935 0.92<br>WE                        | 29 0548 0.31<br>1232 0.73<br>TH 1838 0.46<br>2039 0.51 | 6 0420 0.21<br>1909 0.94<br>TU | 14 0131 0.52<br>0228 0.52<br>WE 0528 0.39<br>1445 0.69   | 22 0500 0.29<br>2004 0.93<br>TH                          |  |
| 7 0418 0.18<br>2003 0.99<br>WE                        | 15 0533 0.36<br>1254 0.77<br>TH                        | 23 0521 0.31<br>1150 0.63<br>FR 1345 0.60<br>2030 0.92 |  | 8 0446 0.15<br>2056 1.01<br>TH | 16 0256 0.25<br>1334 0.83<br>FR ●                        | 24 0548 0.32<br>1214 0.62<br>SA 1436 0.56<br>○ 2104 0.89 |  |

## MARCH

## APRIL

|   |  |  |  |  |  |  |  |
|---|--|--|--|--|--|--|--|
| 1 0329 0.35<br>1303 0.77<br>FR 2350 0.38              | 9 0448 0.28<br>1103 0.69<br>SA 1418 0.62<br>2157 0.98  | 17 0245 0.20<br>1332 0.89<br>SU ●                      | 25 0328 0.43<br>1015 0.74<br>MO ○ 1528 0.52<br>2139 0.76 | 2 0106 0.40<br>0344 0.32<br>SA 1329 0.80 | 10 0525 0.33<br>1131 0.71<br>SU ● 1459 0.55<br>2256 0.87 | 18 0312 0.24<br>1415 0.86<br>MO                        | 26 0348 0.40<br>1024 0.77<br>TU 1613 0.47<br>2224 0.67 |
| 3 0349 0.30<br>1353 0.84<br>SU ●                      | 11 0557 0.40<br>1203 0.73<br>MO 1545 0.50              | 19 0332 0.30<br>1747 0.85<br>TU                        | 27 0414 0.39<br>1053 0.81<br>WE 1659 0.43<br>2308 0.57   | 4 0346 0.29<br>1430 0.87<br>MO           | 12 0003 0.72<br>0417 0.48<br>TU 1230 0.75<br>1930 0.46   | 20 0345 0.36<br>1847 0.88<br>WE                        | 28 0436 0.41<br>1123 0.84<br>TH 1748 0.40<br>2351 0.49 |
| 5 0351 0.28<br>1537 0.89<br>TU 1633 0.89<br>1817 0.90 | 13 0125 0.56<br>0413 0.45<br>WE 1119 0.80<br>2112 0.38 | 21 0348 0.41<br>1928 0.91<br>TH                        | 29 0434 0.43<br>1149 0.87<br>FR 2216 0.38                | 6 0304 0.27<br>1915 0.98<br>WE           | 14 0252 0.43<br>0417 0.41<br>TH 1143 0.87                | 22 0357 0.44<br>1042 0.72<br>FR 1323 0.69<br>1955 0.91 | 30 0031 0.43<br>0230 0.39<br>SA 1208 0.89<br>2259 0.36 |
| 7 0332 0.26<br>2009 1.03<br>TH                        | 15 0129 0.27<br>1218 0.90<br>FR                        | 23 0412 0.45<br>1054 0.74<br>SA 1404 0.64<br>2022 0.89 | 31 0105 0.39<br>0224 0.38<br>SU 1228 0.91<br>2338 0.35   | 8 0410 0.26<br>2102 1.04<br>FR           | 16 0210 0.21<br>1256 0.91<br>SA                          | 24 0338 0.45<br>1120 0.74<br>SU 1445 0.58<br>2058 0.84 |  |

|   |  |  |  |   |  |  |   |
|---|--|--|--|---|--|--|---|
| 1 0124 0.37<br>0222 0.37<br>MO 1300 0.93              | 9 0300 0.58<br>1050 0.91<br>TU 1814 0.43<br>●          | 17 0211 0.46<br>1144 0.86<br>WE 1245 0.86<br>1437 0.87 | 25 0315 0.53<br>1009 0.98<br>TH 1716 0.40<br>2323 0.53 | 2 0244 0.37<br>1348 0.94<br>TU ●                      | 10 0019 0.62<br>0249 0.55<br>WE 1011 0.96<br>1937 0.35 | 18 0208 0.52<br>1149 0.83<br>TH 1311 0.83<br>1828 0.87   | 26 0102 0.51<br>1031 1.00<br>FR 2023 0.37 |
| 3 0104 0.37<br>1449 0.94<br>WE 1612 0.92<br>1804 0.96 | 11 0147 0.50<br>0248 0.49<br>TH 1026 1.00<br>2108 0.29 | 19 0216 0.55<br>0925 0.82<br>FR 1340 0.79<br>1908 0.88 | 27 1046 1.01<br>2101 0.36<br>SA                        | 4 0151 0.38<br>1135 0.82<br>TH 1245 0.81<br>1900 1.02 | 12 1100 1.02<br>2223 0.26<br>FR                        | 20 0226 0.56<br>0927 0.85<br>SA 1406 0.74<br>1938 0.86   | 28 1111 1.02<br>2149 0.37<br>SU           |
| 5 0234 0.39<br>1130 0.78<br>FR 1333 0.75<br>1954 1.03 | 13 1139 1.00<br>2326 0.27<br>SA                        | 21 0219 0.56<br>0941 0.87<br>SU 1430 0.67<br>2015 0.82 | 29 1149 1.02<br>2240 0.40<br>MO                        | 6 0314 0.42<br>0938 0.79<br>SA 1424 0.68<br>2052 0.99 | 14 1217 0.97<br>SU                                     | 22 0218 0.54<br>0909 0.89<br>MO 1503 0.60<br>2100 0.75   | 30 1235 1.02<br>2331 0.43<br>TU           |
| 7 0347 0.47<br>1003 0.83<br>SU 1526 0.60<br>2155 0.90 | 15 0154 0.32<br>1255 0.93<br>MO                        | 23 0236 0.53<br>0915 0.93<br>TU 1543 0.52<br>2146 0.67 |  | 8 0408 0.54<br>1030 0.88<br>MO 1651 0.51<br>2303 0.76 | 16 0226 0.39<br>1126 0.89<br>TU ●                      | 24 0300 0.52<br>0941 0.96<br>WE 1627 0.45<br>○ 2233 0.59 |   |

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Datum of Predictions is Lowest Astronomical Tide

Caution: Predictions are of secondary quality

Times are in local standard time (Time Zone UTC +08:00)

Moon Phase Symbols ● New Moon ○ First Quarter ○ Full Moon ● Last Quarter



# BUSSELTON – WESTERN AUSTRALIA

LAT 33° 39' S LONG 115° 21' E

# 2024

TIMES AND HEIGHTS OF HIGH AND LOW WATERS

LOCAL TIME

## MAY

## JUNE

| Time | m   | Time | m   | Time | m   | Time | m   | Time | m   | Time | m   | Time | m   |    |   |
|------|---|------|---|------|---|------|---|------|---|------|---|------|---|----|---|
| 1    | 0133 0.47<br>0203 0.46<br>WE 1326 1.00<br>☉         | 9    | 0911 1.14<br>1934 0.29<br>TH                        | 17   | 0055 0.61<br>1055 0.89<br>FR 1317 0.86<br>1453 0.87 | 25   | 0934 1.11<br>1932 0.35<br>SA                        | 1    | 0027 0.63<br>0645 0.91<br>SA 1249 0.78<br>1824 0.83 | 9    | 1002 1.12<br>2050 0.38<br>SU                        | 17   | 0736 0.98<br>1817 0.60<br>MO                        | 25 | 1036 1.09<br>2045 0.41<br>TU                          |
| 2    | 0021 0.46<br>1741 0.98<br>TH                        | 10   | 0943 1.13<br>2042 0.28<br>FR                        | 18   | 0115 0.63<br>0809 0.92<br>SA 1415 0.80<br>1602 0.81 | 26   | 1004 1.11<br>2018 0.36<br>SU                        | 2    | 0056 0.70<br>0711 1.00<br>SU 1405 0.68<br>1959 0.76 | 10   | 1048 1.07<br>2134 0.45<br>MO                        | 18   | 0713 1.03<br>1658 0.53<br>TU                        | 26 | 0315 0.69<br>0425 0.68<br>WE 1123 1.03<br>2133 0.47   |
| 3    | 0107 0.50<br>1033 0.86<br>FR 1239 0.83<br>1838 0.98 | 11   | 1023 1.11<br>2138 0.31<br>SA                        | 19   | 0115 0.65<br>0826 0.95<br>SU 1530 0.73<br>2006 0.75 | 27   | 1045 1.10<br>2109 0.40<br>MO                        | 3    | 0050 0.75<br>0736 1.08<br>MO 1532 0.56              | 11   | 1133 1.03<br>2217 0.51<br>TU                        | 19   | 0724 1.08<br>1716 0.45<br>WE                        | 27 | 1210 0.96<br>2222 0.55<br>TH                          |
| 4    | 0145 0.55<br>0803 0.89<br>SA 1336 0.75<br>1941 0.94 | 12   | 1106 1.06<br>2229 0.37<br>SU                        | 20   | 0056 0.65<br>0816 0.99<br>MO 1632 0.63<br>2124 0.71 | 28   | 1132 1.08<br>2202 0.44<br>TU                        | 4    | 0801 1.15<br>1647 0.44<br>TU                        | 12   | 1217 0.98<br>1924 0.58<br>WE 2055 0.60<br>2259 0.56 | 20   | 0751 1.12<br>1743 0.39<br>TH                        | 28 | 0859 0.84<br>1046 0.82<br>FR 1255 0.86<br>2305 0.64   |
| 5    | 0215 0.60<br>0830 0.95<br>SU 1445 0.65<br>2054 0.86 | 13   | 1150 1.01<br>2315 0.45<br>MO                        | 21   | 0113 0.64<br>0808 1.03<br>TU 1720 0.53<br>2330 0.67 | 29   | 1221 1.04<br>2256 0.50<br>WE                        | 5    | 0820 1.19<br>1745 0.35<br>WE                        | 13   | 1259 0.94<br>1955 0.59<br>TH 2151 0.63<br>2336 0.61 | 21   | 0817 1.14<br>1806 0.35<br>FR                        | 29 | 0528 0.86<br>0749 0.81<br>SA 0852 0.82<br>☉ 1941 0.65 |
| 6    | 0228 0.66<br>0857 1.02<br>MO 1602 0.54<br>2211 0.77 | 14   | 1234 0.97<br>2356 0.52<br>TU                        | 22   | 0134 0.64<br>0830 1.07<br>WE 1801 0.45              | 30   | 0931 0.92<br>1039 0.91<br>TH 1311 0.99<br>2345 0.56 | 6    | 0820 1.21<br>1834 0.30<br>TH<br>☉                   | 14   | 1009 0.91<br>2029 0.61<br>FR<br>☉                   | 22   | 0842 1.15<br>1836 0.33<br>SA<br>☉                   | 30 | 0600 0.94<br>1631 0.59<br>SU                          |
| 7    | 0132 0.68<br>0918 1.07<br>TU 1715 0.43<br>2325 0.67 | 15   | 0145 0.53<br>0210 0.53<br>WE 1317 0.94<br>☉         | 23   | 0855 1.10<br>1833 0.39<br>TH<br>☉                   | 31   | 0945 0.89<br>1144 0.86<br>FR 1715 0.90<br>☉         | 7    | 0843 1.20<br>1921 0.29<br>FR                        | 15   | 0700 0.90<br>0850 0.87<br>SA 1021 0.88<br>2102 0.62 | 23   | 0913 1.14<br>1915 0.34<br>SU                        |    |   |
| 8    | 0115 0.64<br>0908 1.11<br>WE 1823 0.34<br>☉         | 16   | 0030 0.57<br>1045 0.91<br>TH 1228 0.89<br>1402 0.91 | 24   | 0915 1.11<br>1859 0.36<br>FR                        |      |   | 8    | 0919 1.16<br>2006 0.33<br>SA                        | 16   | 0727 0.94<br>2125 0.64<br>SU                        | 24   | 0149 0.65<br>0228 0.65<br>MO 0952 1.12<br>1958 0.36 |    |   |

## JULY

## AUGUST

| Time | m                                 | Time | m   | Time | m   | Time | m   | Time | m   | Time | m   | Time | m   |    |   |
|------|-----------------------------------|------|---|------|---|------|---|------|---|------|---|------|---|----|---|
| 1    | 0626 1.02<br>1656 0.48<br>MO      | 9    | 1034 1.03<br>2051 0.46<br>TU                        | 17   | 0617 0.98<br>1703 0.42<br>WE                        | 25   | 0232 0.67<br>0437 0.61<br>TH 1116 0.87<br>2100 0.50   | 1    | 0708 1.05<br>1722 0.29<br>TH                        | 9    | 0000 0.63<br>0528 0.56<br>FR 1148 0.75<br>1812 0.39 | 17   | 0756 1.02<br>1632 0.31<br>SA                        | 25 | 0024 0.77<br>1132 0.35<br>SU 1215 0.35<br>1412 0.32 |
| 2    | 0653 1.10<br>1720 0.39<br>TU      | 10   | 0329 0.66<br>0430 0.65<br>WE 1118 0.98<br>2132 0.50 | 18   | 0657 1.04<br>1658 0.38<br>TH                        | 26   | 0317 0.71<br>0533 0.63<br>FR 1158 0.75<br>1821 0.55   | 2    | 0754 1.06<br>1744 0.32<br>FR                        | 10   | 0041 0.67<br>0620 0.58<br>SA 0852 0.68<br>1840 0.40 | 18   | 0846 1.05<br>1707 0.30<br>SU 2324 0.62              | 26 | 0102 0.82<br>1445 0.25<br>MO<br>☉                   |
| 3    | 0725 1.15<br>1745 0.33<br>WE      | 11   | 1201 0.91<br>1847 0.49<br>TH 2106 0.56<br>2214 0.55 | 19   | 0739 1.08<br>1715 0.34<br>FR                        | 27   | 0359 0.76<br>0641 0.67<br>SA 0816 0.69<br>1827 0.54   | 3    | 0831 1.06<br>1800 0.35<br>SA                        | 11   | 0122 0.72<br>0721 0.60<br>SU 0915 0.64<br>1852 0.43 | 19   | 0048 0.62<br>0937 1.04<br>MO 1745 0.31<br>2346 0.63 | 27 | 0143 0.85<br>1515 0.22<br>TU                        |
| 4    | 0759 1.18<br>1808 0.30<br>TH      | 12   | 0917 0.85<br>1109 0.81<br>FR 1242 0.84<br>1918 0.49 | 20   | 0818 1.11<br>1741 0.32<br>SA                        | 28   | 0153 0.80<br>0245 0.80<br>SU 0435 0.82<br>☉ 1534 0.45 | 4    | 0846 1.03<br>1824 0.38<br>SU<br>☉                   | 12   | 0201 0.76<br>1629 0.39<br>MO<br>☉                   | 20   | 0210 0.57<br>1028 0.99<br>TU 1824 0.34<br>☉         | 28 | 0233 0.85<br>1545 0.23<br>WE                        |
| 5    | 0823 1.17<br>1830 0.31<br>FR      | 13   | 0543 0.79<br>0723 0.76<br>SA 0942 0.82<br>1945 0.51 | 21   | 0850 1.11<br>1816 0.31<br>SU<br>☉                   | 29   | 0505 0.89<br>1603 0.36<br>MO                          | 5    | 0907 1.01<br>1857 0.40<br>MO                        | 13   | 0241 0.80<br>1643 0.38<br>TU                        | 21   | 0022 0.63<br>0305 0.52<br>WE 1117 0.88<br>1902 0.40 | 29 | 0601 0.87<br>1615 0.27<br>TH                        |
| 6    | 0841 1.14<br>1859 0.33<br>SA<br>☉ | 14   | 0619 0.83<br>1715 0.53<br>SU<br>☉                   | 22   | 0918 1.09<br>1856 0.32<br>MO                        | 30   | 0538 0.96<br>1629 0.31<br>TU                          | 6    | 0108 0.61<br>0255 0.58<br>TU 0941 0.97<br>1933 0.42 | 14   | 0327 0.84<br>1638 0.37<br>WE                        | 22   | 0100 0.64<br>0357 0.49<br>TH 1039 0.75<br>1933 0.48 | 30 | 0658 0.90<br>1638 0.32<br>FR                        |
| 7    | 0913 1.11<br>1932 0.37<br>SU      | 15   | 0351 0.84<br>0435 0.84<br>MO 0644 0.87<br>1735 0.49 | 23   | 0104 0.64<br>0248 0.61<br>TU 0954 1.05<br>1937 0.36 | 31   | 0621 1.01<br>1655 0.28<br>WE                          | 7    | 0152 0.61<br>0347 0.56<br>WE 1021 0.91<br>1715 0.44 | 15   | 0600 0.89<br>1623 0.35<br>TH                        | 23   | 0134 0.66<br>0450 0.48<br>FR 2353 0.70              | 31 | 0745 0.92<br>1649 0.37<br>SA                        |
| 8    | 0952 1.07<br>2011 0.42<br>MO      | 16   | 0632 0.92<br>1739 0.46<br>TU                        | 24   | 0147 0.65<br>0344 0.60<br>WE 1033 0.97<br>2019 0.42 |      |   | 8    | 0240 0.61<br>0437 0.55<br>TH 1104 0.84<br>1741 0.40 | 16   | 0703 0.96<br>1611 0.33<br>FR                        | 24   | 0958 0.44<br>1146 0.47<br>SA 1333 0.44              |    |   |

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Datum of Predictions is Lowest Astronomical Tide

Caution: Predictions are of secondary quality

Times are in local standard time (Time Zone UTC +08:00)

Moon Phase Symbols ● New Moon ☉ First Quarter ☉ Full Moon ☉ Last Quarter

# BUSSELTON – WESTERN AUSTRALIA

LAT 33° 39' S LONG 115° 21' E

# 2024

TIMES AND HEIGHTS OF HIGH AND LOW WATERS

LOCAL TIME

## SEPTEMBER

## OCTOBER

| Time  | m  | Time   | m  | Time  | m  | Time   | m  |
|---|--|--|--|---|--|--|--|
| 1 0822 0.92<br>1703 0.40<br>SU 2311 0.61              | 9 0042 0.72<br>1128 0.35<br>MO 1306 0.38<br>1515 0.32  | 17 0210 0.53<br>0933 0.92<br>TU 1647 0.36<br>2248 0.65 | 25 0048 0.79<br>1425 0.18<br>WE ●                      | 2 0130 0.58<br>0834 0.91<br>MO 1730 0.41<br>2337 0.61 | 10 0109 0.74<br>1526 0.32<br>TU                        | 18 0249 0.47<br>1030 0.82<br>WE 1716 0.42<br>2318 0.66 | 26 0131 0.75<br>1458 0.25<br>TH                        |
| 3 0219 0.53<br>0854 0.87<br>TU 1759 0.43<br>●         | 11 0133 0.76<br>1257 0.32<br>WE ●                      | 19 0333 0.41<br>1139 0.68<br>TH 1545 0.47<br>2330 0.68 | 27 0547 0.74<br>1518 0.33<br>FR                        | 4 0929 0.81<br>1604 0.40<br>WE 2218 0.60              | 12 0209 0.79<br>1333 0.31<br>TH                        | 20 0642 0.36<br>1304 0.53<br>FR 1540 0.45<br>2228 0.74 | 28 0645 0.77<br>1517 0.39<br>SA 2231 0.61              |
| 5 0350 0.45<br>1011 0.73<br>TH 1630 0.36<br>2253 0.63 | 13 0310 0.80<br>0427 0.80<br>FR 0604 0.81<br>1409 0.31 | 21 0823 0.28<br>2258 0.79<br>SA                        | 29 0036 0.61<br>0732 0.79<br>SU 1515 0.43<br>2133 0.63 | 6 0438 0.42<br>1056 0.63<br>FR 1700 0.34<br>2331 0.67 | 14 0700 0.89<br>1449 0.31<br>SA                        | 22 0958 0.21<br>2334 0.82<br>SU                        | 30 0118 0.57<br>0803 0.78<br>MO 1513 0.44<br>2152 0.65 |
| 7 0528 0.40<br>1142 0.53<br>SA 1728 0.35              | 15 0751 0.95<br>1530 0.31<br>SU 2156 0.61              | 23 1125 0.16<br>MO                                     | 31 0118 0.57<br>0803 0.78<br>MO 1513 0.44<br>2152 0.65 | 8 0008 0.70<br>0619 0.40<br>SU 0830 0.46<br>1452 0.36 | 16 0134 0.60<br>0841 0.96<br>MO 1610 0.32<br>2216 0.63 | 24 0012 0.81<br>1346 0.15<br>TU                        | 30 0118 0.57<br>0803 0.78<br>MO 1513 0.44<br>2152 0.65 |

| Time  | m  | Time   | m  | Time  | m  | Time   | m  |
|---|--|--|--|---|--|--|--|
| 1 0152 0.51<br>0817 0.75<br>TU 1444 0.42<br>2152 0.65 | 9 1113 0.26<br>WE                                      | 17 0409 0.33<br>1044 0.62<br>TH 1425 0.48<br>2123 0.79 | 25 1330 0.33<br>2246 0.66<br>FR                        | 2 0230 0.46<br>0845 0.70<br>WE 1452 0.39<br>2110 0.67 | 10 0037 0.76<br>1151 0.27<br>TH 1357 0.30<br>1413 0.30 | 18 0534 0.23<br>1200 0.50<br>FR 1413 0.45<br>2104 0.84 | 26 0040 0.65<br>0207 0.65<br>SA 1334 0.40<br>2235 0.63 |
| 3 0312 0.39<br>0926 0.62<br>TH 1516 0.36<br>2340 0.70 | 11 0129 0.77<br>1233 0.29<br>FR ●                      | 19 0651 0.15<br>2130 0.88<br>SA                        | 27 0111 0.61<br>0630 0.65<br>SU 1343 0.44<br>2009 0.67 | 4 0356 0.33<br>1011 0.54<br>FR 1544 0.35<br>2216 0.72 | 12 0228 0.76<br>1315 0.31<br>SA 2302 0.66              | 20 0809 0.10<br>2204 0.88<br>SU                        | 28 0143 0.57<br>0721 0.65<br>MO 1344 0.45<br>2026 0.71 |
| 5 0442 0.28<br>1057 0.45<br>SA 1606 0.35<br>2250 0.73 | 13 0032 0.65<br>0641 0.82<br>SU 1355 0.32<br>2011 0.63 | 21 0930 0.09<br>2243 0.85<br>MO                        | 29 0216 0.52<br>0805 0.62<br>TU 1330 0.44<br>2028 0.73 | 6 0530 0.25<br>1143 0.38<br>SU 1343 0.33<br>2319 0.74 | 14 0114 0.58<br>0733 0.85<br>MO 1431 0.35<br>2038 0.67 | 22 1043 0.11<br>2323 0.80<br>TU                        | 30 0245 0.46<br>0840 0.58<br>WE 1337 0.42<br>2006 0.77 |
| 7 0619 0.25<br>1227 0.33<br>MO 1404 0.30<br>2338 0.75 | 15 0159 0.51<br>0830 0.82<br>TU 1500 0.40<br>2107 0.71 | 23 1202 0.18<br>WE                                     | 31 0303 0.38<br>0910 0.53<br>TH 1400 0.40<br>2029 0.80 | 8 1035 0.25<br>1311 0.30<br>TU 1401 0.29<br>2357 0.75 | 16 0254 0.42<br>0932 0.74<br>WE 1513 0.45<br>2131 0.75 | 24 0006 0.74<br>1345 0.25<br>TH 2230 0.70<br>●         | 31 0303 0.38<br>0910 0.53<br>TH 1400 0.40<br>2029 0.80 |

## NOVEMBER

## DECEMBER

| Time  | m   | Time   | m  | Time  | m  | Time   | m  |
|---|---|--|--|---|--|--|--|
| 1 0334 0.30<br>0949 0.46<br>FR 1426 0.40<br>● 2100 0.82 | 9 0105 0.76<br>1149 0.31<br>SA 2157 0.68<br>● 2338 0.66 | 17 0644 0.04<br>2053 0.97<br>SU                | 25 0916 0.45<br>1130 0.48<br>MO 1243 0.48<br>1927 0.74 | 2 0414 0.23<br>1332 0.41<br>SA 1441 0.40<br>2129 0.82 | 10 0518 0.71<br>1233 0.35<br>SU 1851 0.65              | 18 0743 0.04<br>2132 0.92<br>MO                        | 26 1007 0.46<br>1944 0.77<br>TU                        |
| 3 0456 0.18<br>1117 0.36<br>SU 1225 0.35<br>2150 0.82   | 11 0025 0.60<br>0616 0.71<br>MO 1310 0.39<br>1918 0.72  | 19 0843 0.09<br>2216 0.86<br>TU                | 27 0321 0.44<br>0853 0.48<br>WE 1109 0.46<br>1925 0.81 | 4 0543 0.16<br>2200 0.81<br>MO                        | 12 0116 0.51<br>0719 0.68<br>TU 1338 0.45<br>1944 0.78 | 20 0941 0.17<br>2306 0.79<br>WE                        | 28 0414 0.35<br>1041 0.47<br>TH 1207 0.47<br>1925 0.86 |
| 5 0649 0.18<br>2232 0.81<br>TU                          | 13 0216 0.41<br>0839 0.62<br>WE 1347 0.50<br>2004 0.85  | 21 1034 0.25<br>2123 0.72<br>TH                | 29 0459 0.27<br>1951 0.89<br>FR                        | 6 0911 0.20<br>2321 0.80<br>WE                        | 14 0330 0.29<br>1005 0.56<br>TH 1241 0.52<br>2014 0.90 | 22 1121 0.34<br>2141 0.69<br>FR 2337 0.67<br>SA        | 30 0537 0.19<br>2018 0.90<br>SA                        |
| 7 1007 0.24<br>TH                                       | 15 0442 0.17<br>1125 0.49<br>FR 1223 0.48<br>2002 0.95  | 23 0050 0.68<br>1159 0.40<br>SA 2202 0.67<br>● | 31 0537 0.19<br>2018 0.90<br>SA                        | 8 0013 0.78<br>1100 0.27<br>FR 2139 0.71<br>2248 0.70 | 16 0545 0.08<br>2021 0.98<br>SA ○                      | 24 0835 0.44<br>1033 0.47<br>SU 1228 0.45<br>1902 0.68 | 30 0537 0.19<br>2018 0.90<br>SA                        |

| Time                                     | m  | Time                              | m                                 | Time  | m  | Time   | m                                 |
|--|--|-----------------------------------|-----------------------------------|---|--|--|-----------------------------------|
| 1 0607 0.15<br>2042 0.90<br>SU ●         | 9 0135 0.66<br>1149 0.44<br>MO 1809 0.71               | 17 0719 0.08<br>2125 0.91<br>TU   | 25 0542 0.34<br>1903 0.79<br>WE   | 2 0627 0.12<br>2102 0.89<br>MO                          | 10 0033 0.52<br>0225 0.55<br>TU 0830 0.49<br>1834 0.79 | 18 0803 0.15<br>2213 0.85<br>WE                        | 26 0554 0.31<br>1824 0.84<br>TH   |
| 3 0657 0.13<br>2136 0.88<br>TU           | 11 0144 0.41<br>0318 0.43<br>WE 0431 0.42<br>1856 0.87 | 19 0849 0.23<br>2302 0.78<br>TH   | 27 0447 0.26<br>1848 0.89<br>FR   | 4 0742 0.15<br>2220 0.86<br>WE                          | 12 0304 0.29<br>1916 0.95<br>TH                        | 20 0934 0.31<br>2047 0.71<br>FR                        | 28 0458 0.20<br>1921 0.92<br>SA   |
| 5 0832 0.19<br>2309 0.83<br>TH           | 13 0414 0.17<br>1930 1.00<br>FR                        | 21 0649 0.34<br>2112 0.70<br>SA   | 29 0522 0.15<br>1953 0.94<br>SU   | 6 0925 0.24<br>2358 0.79<br>FR                          | 14 0504 0.08<br>1937 1.02<br>SA                        | 22 0719 0.34<br>1750 0.65<br>SU 1928 0.63<br>2138 0.67 | 30 0546 0.13<br>2023 0.94<br>MO   |
| 7 1017 0.30<br>2105 0.69<br>SA 2233 0.67 | 15 0550 0.03<br>2003 1.01<br>SU ○                      | 23 0750 0.34<br>1825 0.71<br>MO ● | 31 0613 0.12<br>2055 0.93<br>TU ● | 8 0046 0.73<br>1106 0.37<br>SU 2118 0.66<br>● 2332 0.61 | 16 0634 0.03<br>2041 0.97<br>MO                        | 24 0516 0.39<br>0624 0.39<br>TU 0815 0.37<br>1854 0.75 | 31 0613 0.12<br>2055 0.93<br>TU ● |

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Datum of Predictions is Lowest Astronomical Tide

Caution: Predictions are of secondary quality

Times are in local standard time (Time Zone UTC +08:00)

Moon Phase Symbols ● New Moon ○ First Quarter ○ Full Moon ● Last Quarter

### CADDADUP - DAWESVILLE CHANNEL

LAT 32°37' S LONG 115°39' E TIME ZONE -0800

TIMES AND HEIGHTS OF HIGH AND LOW WATERS

#### JANUARY - 2024

| Time                 | m                    | Time                 | m                    | Time                 | m            | Time                 | m            |
|----------------------|----------------------|----------------------|----------------------|----------------------|--------------|----------------------|--------------|
| <b>01</b> 0905<br>MO | 0.44                 | <b>09</b> 0629<br>TU | 0.36<br>0.83         | <b>17</b> 0725<br>WE | 0.48<br>0.64 | <b>25</b> 0732<br>TH | 0.39<br>0.79 |
| <b>02</b> 0012<br>TU | 0.69<br>0.46<br>0.66 | <b>10</b> 0647<br>WE | 0.34<br>0.84         | <b>18</b> 0618<br>TH | 0.45<br>0.70 | <b>26</b> 0646<br>FR | 0.41<br>0.78 |
| <b>03</b> 0753<br>WE | 0.46<br>0.65         | <b>11</b> 0734<br>TH | 0.33<br>0.85         | <b>19</b> 0634<br>FR | 0.41<br>0.75 | <b>27</b> 0711<br>SA | 0.43<br>0.76 |
| <b>04</b> 0814<br>TH | 0.46<br>0.68         | <b>12</b> 0818<br>FR | 0.33<br>0.83         | <b>20</b> 0529<br>SA | 0.37<br>0.78 | <b>28</b> 0737<br>SU | 0.44<br>0.73 |
| <b>05</b> 0711<br>FR | 0.46<br>0.71         | <b>13</b> 0900<br>SA | 0.35                 | <b>21</b> 0552<br>SU | 0.35<br>0.80 | <b>29</b> 0800<br>MO | 0.46<br>0.70 |
| <b>06</b> 0545<br>SA | 0.45<br>0.76         | <b>14</b> 0030<br>SU | 0.80<br>0.38         | <b>22</b> 0612<br>MO | 0.35<br>0.81 | <b>30</b> 0635<br>TU | 0.47<br>0.67 |
| <b>07</b> 0603<br>SU | 0.42<br>0.79         | <b>15</b> 0108<br>MO | 0.75<br>0.42<br>0.68 | <b>23</b> 0635<br>TU | 0.36<br>0.81 | <b>31</b> 0652<br>WE | 0.47<br>0.64 |
| <b>08</b> 0622<br>MO | 0.39<br>0.82         | <b>16</b> 0903<br>TU | 0.46<br>0.62         | <b>24</b> 0702<br>WE | 0.37<br>0.80 |                      |              |

### CADDADUP - DAWESVILLE CHANNEL

LAT 32°37' S LONG 115°39' E TIME ZONE -0800

TIMES AND HEIGHTS OF HIGH AND LOW WATERS

#### FEBRUARY - 2024

| Time                 | m            | Time                 | m                    | Time                 | m            | Time                 | m                                    |
|----------------------|--------------|----------------------|----------------------|----------------------|--------------|----------------------|--------------------------------------|
| <b>01</b> 0708<br>TH | 0.47<br>0.66 | <b>09</b> 0703<br>FR | 0.36<br>0.85         | <b>17</b> 0428<br>SA | 0.38<br>0.78 | <b>25</b> 0634<br>SU | 0.49<br>0.74                         |
| <b>02</b> 0617<br>FR | 0.46<br>0.70 | <b>10</b> 0746<br>SA | 0.39<br>0.82         | <b>18</b> 0457<br>SU | 0.37<br>0.79 | <b>26</b> 0523<br>MO | 0.52<br>0.62<br>0.57<br>0.71         |
| <b>03</b> 0632<br>SA | 0.45<br>0.74 | <b>11</b> 0823<br>SU | 0.43                 | <b>19</b> 0523<br>MO | 0.37<br>0.80 | <b>27</b> 0535<br>TU | 0.52<br>1252<br>1732<br>2307<br>0.67 |
| <b>04</b> 0515<br>SU | 0.42<br>0.78 | <b>12</b> 0018<br>MO | 0.76<br>0.46         | <b>20</b> 0546<br>TU | 0.39<br>0.80 | <b>28</b> 0549<br>WE | 0.52<br>1319<br>0.69                 |
| <b>05</b> 0536<br>MO | 0.40<br>0.81 | <b>13</b> 0054<br>TU | 0.69<br>0.50<br>0.62 | <b>21</b> 0611<br>WE | 0.41<br>0.80 | <b>29</b> 0511<br>TH | 0.51<br>1350<br>0.72                 |
| <b>06</b> 0552<br>TU | 0.38<br>0.83 | <b>14</b> 0622<br>WE | 0.51<br>0.68         | <b>22</b> 0635<br>TH | 0.44<br>0.80 |                      |                                      |
| <b>07</b> 0536<br>WE | 0.36<br>0.85 | <b>15</b> 0517<br>TH | 0.46<br>0.72         | <b>23</b> 0544<br>FR | 0.46<br>0.79 |                      |                                      |
| <b>08</b> 0617<br>TH | 0.35<br>0.86 | <b>16</b> 0538<br>FR | 0.42<br>0.76         | <b>24</b> 0608<br>SA | 0.48<br>0.77 |                      |                                      |

### CADDADUP - DAWESVILLE CHANNEL

LAT 32°37' S LONG 115°39' E TIME ZONE -0800

TIMES AND HEIGHTS OF HIGH AND LOW WATERS

#### MARCH - 2024

| Time                 | m            | Time                 | m                            | Time                 | m                            | Time                 | m                            |
|----------------------|--------------|----------------------|------------------------------|----------------------|------------------------------|----------------------|------------------------------|
| <b>01</b> 0516<br>FR | 0.50<br>0.75 | <b>09</b> 0550<br>SA | 0.46<br>0.83                 | <b>17</b> 0354<br>SU | 0.41<br>0.81                 | <b>25</b> 0418<br>MO | 0.59<br>0.72<br>0.62<br>0.72 |
| <b>02</b> 0533<br>SA | 0.48<br>0.77 | <b>10</b> 0600<br>SU | 0.50<br>0.78                 | <b>18</b> 0424<br>MO | 0.42<br>0.81                 | <b>26</b> 0432<br>TU | 0.59<br>0.75<br>0.62<br>0.68 |
| <b>03</b> 0419<br>SU | 0.46<br>0.79 | <b>11</b> 0618<br>MO | 0.54<br>0.67<br>0.57         | <b>19</b> 0449<br>TU | 0.44<br>0.80                 | <b>27</b> 0350<br>WE | 0.59<br>1217<br>0.78         |
| <b>04</b> 0442<br>MO | 0.44<br>0.81 | <b>12</b> 0009<br>TU | 0.70<br>0.57<br>0.72<br>0.57 | <b>20</b> 0511<br>WE | 0.47<br>0.80                 | <b>28</b> 0358<br>TH | 0.58<br>1245<br>0.81         |
| <b>05</b> 0352<br>TU | 0.42<br>0.83 | <b>13</b> 0045<br>WE | 0.62<br>0.56<br>0.77         | <b>21</b> 0435<br>TH | 0.51<br>0.80                 | <b>29</b> 0412<br>FR | 0.57<br>1319<br>0.83         |
| <b>06</b> 0425<br>WE | 0.40<br>0.85 | <b>14</b> 0413<br>TH | 0.51<br>0.80                 | <b>22</b> 0441<br>FR | 0.53<br>0.80                 | <b>30</b> 0256<br>SA | 0.54<br>1358<br>0.84         |
| <b>07</b> 0459<br>TH | 0.41<br>0.86 | <b>15</b> 0248<br>FR | 0.47<br>0.82                 | <b>23</b> 0502<br>SA | 0.55<br>0.78                 | <b>31</b> 0139<br>SU | 0.52<br>1439<br>0.85         |
| <b>08</b> 0530<br>FR | 0.42<br>0.86 | <b>16</b> 0321<br>SA | 0.43<br>0.82                 | <b>24</b> 0525<br>SU | 0.58<br>0.69<br>0.63<br>0.76 |                      |                              |

### CADDADUP - DAWESVILLE CHANNEL

LAT 32°37' S LONG 115°39' E TIME ZONE -0800

TIMES AND HEIGHTS OF HIGH AND LOW WATERS

#### APRIL - 2024

| Time                 | m                            | Time                 | m                    | Time                 | m                            | Time                 | m                    |
|----------------------|------------------------------|----------------------|----------------------|----------------------|------------------------------|----------------------|----------------------|
| <b>01</b> 0212<br>MO | 0.49<br>0.86                 | <b>09</b> 0409<br>TU | 0.65<br>0.84<br>0.59 | <b>17</b> 0314<br>WE | 0.54<br>0.83                 | <b>25</b> 1146<br>TH | 0.91<br>1945<br>0.61 |
| <b>02</b> 0245<br>TU | 0.47<br>0.86                 | <b>10</b> 1204<br>WE | 0.88<br>0.55         | <b>18</b> 0329<br>TH | 0.57<br>0.81                 | <b>26</b> 1220<br>FR | 0.92<br>2139<br>0.59 |
| <b>03</b> 0319<br>WE | 0.47<br>0.87                 | <b>11</b> 1241<br>TH | 0.90<br>0.51         | <b>19</b> 0340<br>FR | 0.60<br>0.80                 | <b>27</b> 1300<br>SA | 0.93                 |
| <b>04</b> 0351<br>TH | 0.48<br>0.87                 | <b>12</b> 1318<br>FR | 0.91                 | <b>20</b> 0249<br>SA | 0.63<br>0.79                 | <b>28</b> 0030<br>SU | 0.56<br>1340<br>0.93 |
| <b>05</b> 0420<br>FR | 0.50<br>0.86                 | <b>13</b> 0039<br>SA | 0.48<br>0.90         | <b>21</b> 0255<br>SU | 0.65<br>0.79<br>0.70<br>0.77 | <b>29</b> 0106<br>MO | 0.54<br>1422<br>0.94 |
| <b>06</b> 0440<br>SA | 0.54<br>0.83                 | <b>14</b> 0124<br>SU | 0.48<br>0.88         | <b>22</b> 0312<br>MO | 0.66<br>0.83<br>0.68<br>0.74 | <b>30</b> 0142<br>TU | 0.53<br>1503<br>0.93 |
| <b>07</b> 0438<br>SU | 0.59<br>0.73<br>0.64<br>0.79 | <b>15</b> 0321<br>MO | 0.49<br>0.86         | <b>23</b> 0217<br>TU | 0.67<br>0.86<br>0.65<br>0.71 |                      |                      |
| <b>08</b> 0409<br>MO | 0.63<br>0.78<br>0.61<br>0.72 | <b>16</b> 0245<br>TU | 0.51<br>0.84         | <b>24</b> 0231<br>WE | 0.66<br>0.89<br>0.63         |                      |                      |

Datum of predictions is Caddadup, Low Water 1994 which is 1.177 m below benchmark DMH, 096.

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### CADDADUP - DAWESVILLE CHANNEL

LAT 32°37' S LONG 115°39' E TIME ZONE -0800

TIMES AND HEIGHTS OF HIGH AND LOW WATERS

#### MAY - 2024

| Time                 | m  | Time                 | m                            | Time                 | m  | Time                 | m                            |
|----------------------|--|----------------------|------------------------------|----------------------|--|----------------------|------------------------------|
| <b>01</b><br>WE<br>☾ | 0216<br>1546<br>0.53<br>0.92                                 | <b>09</b><br>TH      | 1141<br>2245<br>0.99<br>0.55 | <b>17</b><br>FR      | 0243<br>1423<br>0.66<br>0.83                 | <b>25</b><br>SA      | 1206<br>2127<br>0.99<br>0.58 |
| <b>02</b><br>TH      | 0248<br>1631<br>0.55<br>0.89                                 | <b>10</b><br>FR      | 1219<br>2330<br>0.99<br>0.53 | <b>18</b><br>SA      | 0130<br>1026<br>0.68<br>0.83                 | <b>26</b><br>SU      | 1247<br>2213<br>0.99<br>0.57 |
| <b>03</b><br>FR      | 0316<br>1842<br>0.58<br>0.86                                 | <b>11</b><br>SA      | 1257<br>0.98                 | <b>19</b><br>SU      | 0146<br>0915<br>0.70<br>0.86                 | <b>27</b><br>MO      | 1328<br>0.99                 |
| <b>04</b><br>SA      | 0235<br>1940<br>0.63<br>0.81                                 | <b>12</b><br>SU      | 0015<br>1334<br>0.53<br>0.96 | <b>20</b><br>MO      | 0042<br>0937<br>0.71<br>0.90                 | <b>28</b><br>TU      | 0039<br>1406<br>0.56<br>0.98 |
| <b>05</b><br>SU      | 0243<br>0948<br>1632<br>2159<br>0.66<br>0.82<br>0.71<br>0.77 | <b>13</b><br>MO      | 0055<br>1409<br>0.54<br>0.93 | <b>21</b><br>TU      | 0101<br>1000<br>1745<br>0.71<br>0.93<br>0.68 | <b>29</b><br>WE      | 0115<br>1444<br>0.57<br>0.96 |
| <b>06</b><br>MO      | 0245<br>1001<br>1730<br>0.70<br>0.88<br>0.66                 | <b>14</b><br>TU      | 0132<br>1442<br>0.56<br>0.91 | <b>22</b><br>WE      | 1024<br>1825<br>0.95<br>0.64                 | <b>30</b><br>TH      | 0149<br>1521<br>0.59<br>0.92 |
| <b>07</b><br>TU      | 1029<br>1925<br>0.93<br>0.61                                 | <b>15</b><br>WE<br>☽ | 0205<br>1511<br>0.59<br>0.88 | <b>23</b><br>TH<br>☽ | 1051<br>1912<br>0.97<br>0.62                 | <b>31</b><br>FR<br>☽ | 0050<br>1558<br>0.63<br>0.86 |
| <b>08</b><br>WE<br>☾ | 1103<br>2015<br>0.97<br>0.57                                 | <b>16</b><br>TH      | 0229<br>1536<br>0.62<br>0.86 | <b>24</b><br>FR      | 1127<br>2040<br>0.98<br>0.60                 |                      |                              |

### CADDADUP - DAWESVILLE CHANNEL

LAT 32°37' S LONG 115°39' E TIME ZONE -0800

TIMES AND HEIGHTS OF HIGH AND LOW WATERS

#### JUNE - 2024

| Time                 | m  | Time                 | m  | Time                 | m                            | Time                 | m                            |
|----------------------|--|----------------------|--|----------------------|------------------------------|----------------------|------------------------------|
| <b>01</b><br>SA      | 0115<br>0841<br>0.67<br>0.82                 | <b>09</b><br>SU      | 1238<br>2350<br>0.99<br>0.57                 | <b>17</b><br>MO      | 0839<br>1817<br>0.90<br>0.69 | <b>25</b><br>TU      | 1313<br>2230<br>0.98<br>0.57 |
| <b>02</b><br>SU      | 0128<br>0854<br>1629<br>0.71<br>0.87<br>0.72 | <b>10</b><br>MO      | 1313<br>0.96                                 | <b>18</b><br>TU      | 0900<br>1838<br>0.93<br>0.65 | <b>26</b><br>WE      | 1349<br>2306<br>0.95<br>0.60 |
| <b>03</b><br>MO      | 0906<br>1818<br>0.92<br>0.66                 | <b>11</b><br>TU      | 0029<br>1345<br>0.59<br>0.94                 | <b>19</b><br>WE      | 0829<br>1902<br>0.96<br>0.62 | <b>27</b><br>TH      | 1423<br>2338<br>0.89<br>0.64 |
| <b>04</b><br>TU      | 0928<br>1848<br>0.97<br>0.61                 | <b>12</b><br>WE      | 0102<br>1412<br>0.61<br>0.91                 | <b>20</b><br>TH      | 0911<br>1926<br>0.98<br>0.60 | <b>28</b><br>FR      | 1300<br>2223<br>0.83<br>0.67 |
| <b>05</b><br>WE      | 1003<br>1927<br>1.00<br>0.57                 | <b>13</b><br>TH      | 0130<br>1431<br>0.64<br>0.88                 | <b>21</b><br>FR      | 1030<br>1954<br>0.99<br>0.57 | <b>29</b><br>SA<br>☽ | 0738<br>2038<br>0.80<br>0.68 |
| <b>06</b><br>TH<br>☾ | 1042<br>2007<br>1.02<br>0.56                 | <b>14</b><br>FR<br>☽ | 0003<br>1324<br>2248<br>0.67<br>0.85<br>0.69 | <b>22</b><br>SA<br>☽ | 1113<br>2030<br>1.00<br>0.56 | <b>30</b><br>SU<br>☽ | 0755<br>1918<br>0.85<br>0.65 |
| <b>07</b><br>FR      | 1122<br>2047<br>1.02<br>0.56                 | <b>15</b><br>SA      | 0947<br>2108<br>0.84<br>0.70                 | <b>23</b><br>SU      | 1155<br>2111<br>1.01<br>0.55 |                      |                              |
| <b>08</b><br>SA      | 1201<br>2309<br>1.00<br>0.56                 | <b>16</b><br>SU      | 0819<br>2132<br>0.87<br>0.70                 | <b>24</b><br>MO      | 1235<br>2151<br>1.00<br>0.56 |                      |                              |

### CADDADUP - DAWESVILLE CHANNEL

LAT 32°37' S LONG 115°39' E TIME ZONE -0800

TIMES AND HEIGHTS OF HIGH AND LOW WATERS

#### JULY - 2024

| Time                 | m                            | Time                 | m                            | Time                 | m                            | Time                 | m                            |
|----------------------|------------------------------|----------------------|------------------------------|----------------------|------------------------------|----------------------|------------------------------|
| <b>01</b><br>MO      | 0804<br>1805<br>0.90<br>0.60 | <b>09</b><br>TU      | 1249<br>2204<br>0.91<br>0.61 | <b>17</b><br>WE      | 0724<br>1816<br>0.91<br>0.56 | <b>25</b><br>TH      | 1331<br>2046<br>0.82<br>0.60 |
| <b>02</b><br>TU      | 0817<br>1825<br>0.95<br>0.56 | <b>10</b><br>WE      | 1316<br>2057<br>0.88<br>0.63 | <b>18</b><br>TH      | 0804<br>1841<br>0.93<br>0.54 | <b>26</b><br>FR      | 1203<br>1913<br>0.74<br>0.63 |
| <b>03</b><br>WE      | 0901<br>1846<br>0.97<br>0.54 | <b>11</b><br>TH      | 1212<br>2115<br>0.84<br>0.64 | <b>19</b><br>FR      | 0856<br>1904<br>0.94<br>0.52 | <b>27</b><br>SA      | 0420<br>1803<br>0.74<br>0.60 |
| <b>04</b><br>TH      | 0944<br>1916<br>0.98<br>0.53 | <b>12</b><br>FR      | 1232<br>1939<br>0.81<br>0.64 | <b>20</b><br>SA      | 1011<br>1932<br>0.96<br>0.51 | <b>28</b><br>SU<br>☽ | 0502<br>1822<br>0.80<br>0.56 |
| <b>05</b><br>FR      | 1026<br>1950<br>0.98<br>0.54 | <b>13</b><br>SA      | 0905<br>1959<br>0.79<br>0.64 | <b>21</b><br>SU<br>☽ | 1058<br>2007<br>0.96<br>0.51 | <b>29</b><br>MO      | 0545<br>1709<br>0.84<br>0.51 |
| <b>06</b><br>SA<br>☾ | 1106<br>2025<br>0.97<br>0.55 | <b>14</b><br>SU<br>☽ | 0547<br>2017<br>0.80<br>0.63 | <b>22</b><br>MO      | 1140<br>2045<br>0.96<br>0.52 | <b>30</b><br>TU      | 0632<br>1737<br>0.88<br>0.48 |
| <b>07</b><br>SU      | 1144<br>2100<br>0.96<br>0.57 | <b>15</b><br>MO      | 0615<br>1736<br>0.84<br>0.62 | <b>23</b><br>TU      | 1219<br>2120<br>0.94<br>0.54 | <b>31</b><br>WE      | 0734<br>1802<br>0.89<br>0.47 |
| <b>08</b><br>MO      | 1218<br>2133<br>0.94<br>0.58 | <b>16</b><br>TU      | 0648<br>1753<br>0.88<br>0.59 | <b>24</b><br>WE      | 1257<br>2022<br>0.89<br>0.58 |                      |                              |

### CADDADUP - DAWESVILLE CHANNEL

LAT 32°37' S LONG 115°39' E TIME ZONE -0800

TIMES AND HEIGHTS OF HIGH AND LOW WATERS

#### AUGUST - 2024

| Time                 | m                            | Time                 | m                            | Time                 | m  | Time                 | m                            |
|----------------------|------------------------------|----------------------|------------------------------|----------------------|--|----------------------|------------------------------|
| <b>01</b><br>TH      | 0843<br>1826<br>0.90<br>0.48 | <b>09</b><br>FR      | 1144<br>1835<br>0.73<br>0.57 | <b>17</b><br>SA      | 0833<br>1751<br>0.88<br>0.45                                 | <b>25</b><br>SU      | 0225<br>1528<br>0.75<br>0.47 |
| <b>02</b><br>FR      | 0929<br>1854<br>0.90<br>0.49 | <b>10</b><br>SA      | 0204<br>1848<br>0.70<br>0.57 | <b>18</b><br>SU      | 0948<br>1828<br>0.89<br>0.46                                 | <b>26</b><br>MO<br>☽ | 0425<br>1600<br>0.78<br>0.42 |
| <b>03</b><br>SA      | 1010<br>1924<br>0.90<br>0.51 | <b>11</b><br>SU      | 0238<br>1803<br>0.73<br>0.55 | <b>19</b><br>MO      | 1039<br>1852<br>0.88<br>0.47                                 | <b>27</b><br>TU      | 0515<br>1633<br>0.79<br>0.40 |
| <b>04</b><br>SU<br>☾ | 1048<br>1954<br>0.88<br>0.53 | <b>12</b><br>MO<br>☽ | 0315<br>1639<br>0.76<br>0.54 | <b>20</b><br>TU<br>☽ | 1123<br>1850<br>0.85<br>0.50                                 | <b>28</b><br>WE      | 0606<br>1703<br>0.80<br>0.40 |
| <b>05</b><br>MO      | 1124<br>1900<br>0.86<br>0.55 | <b>13</b><br>TU      | 0533<br>1659<br>0.79<br>0.51 | <b>21</b><br>WE      | 1204<br>1910<br>0.80<br>0.53                                 | <b>29</b><br>TH      | 0705<br>1729<br>0.80<br>0.42 |
| <b>06</b><br>TU      | 1156<br>1923<br>0.84<br>0.56 | <b>14</b><br>WE      | 0615<br>1722<br>0.82<br>0.49 | <b>22</b><br>TH      | 0034<br>0338<br>1243<br>1934<br>0.63<br>0.57<br>0.73<br>0.56 | <b>30</b><br>FR      | 0825<br>1753<br>0.80<br>0.44 |
| <b>07</b><br>WE      | 1224<br>1947<br>0.80<br>0.58 | <b>15</b><br>TH      | 0657<br>1745<br>0.84<br>0.47 | <b>23</b><br>FR      | 0109<br>0600<br>1319<br>1639<br>0.67<br>0.59<br>0.64<br>0.57 | <b>31</b><br>SA      | 0911<br>1818<br>0.80<br>0.47 |
| <b>08</b><br>TH      | 1121<br>1818<br>0.76<br>0.58 | <b>16</b><br>FR      | 0742<br>1715<br>0.86<br>0.46 | <b>24</b><br>SA      | 0145<br>1657<br>0.72<br>0.52                                 |                      |                              |

Datum of predictions is Caddadup, Low Water 1994 which is 1.177 m below benchmark DMH, 096.

### CADDADUP - DAWESVILLE CHANNEL

LAT 32°37' S LONG 115°39' E TIME ZONE -0800

TIMES AND HEIGHTS OF HIGH AND LOW WATERS

#### SEPTEMBER - 2024

| Time  | m                            | Time                            | m            | Time  | m                            | Time                                    | m                    |
|---|------------------------------|---------------------------------|--------------|---|------------------------------|---|----------------------|
| <b>01</b><br>0951<br>1724<br>SU                 | 0.79<br>0.49                 | <b>09</b><br>0159<br>1534<br>MO | 0.73<br>0.48 | <b>17</b><br>1025<br>1730<br>2303<br>TU         | 0.76<br>0.48<br>0.59         | <b>25</b><br>0321<br>1447<br>WE         | 0.74<br>0.35         |
| <b>02</b><br>1029<br>1746<br>MO                 | 0.77<br>0.51                 | <b>10</b><br>0239<br>1557<br>TU | 0.74<br>0.45 | <b>18</b><br>0351<br>1112<br>1742<br>2330<br>WE | 0.51<br>0.71<br>0.51<br>0.64 | <b>26</b><br>0535<br>1527<br>TH         | 0.72<br>0.38         |
| <b>03</b><br>1102<br>1812<br>2333<br>TU         | 0.75<br>0.52<br>0.61         | <b>11</b><br>0322<br>1453<br>WE | 0.75<br>0.43 | <b>19</b><br>0444<br>1155<br>1655<br>TH         | 0.50<br>0.64<br>0.54         | <b>27</b><br>0627<br>1556<br>FR         | 0.71<br>0.41         |
| <b>04</b><br>0259<br>1133<br>1658<br>WE         | 0.55<br>0.71<br>0.54         | <b>12</b><br>0541<br>1526<br>TH | 0.75<br>0.41 | <b>20</b><br>0003<br>0702<br>FR                 | 0.69<br>0.48                 | <b>28</b><br>0750<br>1605<br>SA         | 0.70<br>0.44         |
| <b>05</b><br>0000<br>0449<br>1031<br>1714<br>TH | 0.64<br>0.55<br>0.67<br>0.53 | <b>13</b><br>0630<br>1559<br>FR | 0.77<br>0.40 | <b>21</b><br>0039<br>1146<br>SA                 | 0.73<br>0.45                 | <b>29</b><br>0848<br>1614<br>SU         | 0.69<br>0.47         |
| <b>06</b><br>0027<br>0528<br>1056<br>1723<br>FR | 0.66<br>0.56<br>0.63<br>0.53 | <b>14</b><br>0716<br>1631<br>SA | 0.79<br>0.40 | <b>22</b><br>0117<br>1234<br>SU                 | 0.76<br>0.39                 | <b>30</b><br>0930<br>1630<br>2215<br>MO | 0.68<br>0.49<br>0.60 |
| <b>07</b><br>0054<br>1645<br>SA                 | 0.69<br>0.51                 | <b>15</b><br>0806<br>1700<br>SU | 0.80<br>0.42 | <b>23</b><br>0156<br>1319<br>MO                 | 0.76<br>0.36                 |   |                      |
| <b>08</b><br>0124<br>1656<br>SU                 | 0.71<br>0.50                 | <b>16</b><br>0925<br>1720<br>MO | 0.79<br>0.44 | <b>24</b><br>0237<br>1523<br>TU                 | 0.75<br>0.35                 |   |                      |

### CADDADUP - DAWESVILLE CHANNEL

LAT 32°37' S LONG 115°39' E TIME ZONE -0800

TIMES AND HEIGHTS OF HIGH AND LOW WATERS

#### OCTOBER - 2024

| Time  | m                            | Time  | m                            | Time                            | m            | Time  | m                            |
|---|------------------------------|---|------------------------------|---------------------------------|--------------|---|------------------------------|
| <b>01</b><br>0306<br>1009<br>1533<br>2238<br>TU | 0.53<br>0.66<br>0.50<br>0.63 | <b>09</b><br>0034<br>1345<br>WE                 | 0.73<br>0.39                 | <b>17</b><br>0515<br>2258<br>TH | 0.45<br>0.73 | <b>25</b><br>0326<br>1441<br>FR                 | 0.67<br>0.39                 |
| <b>02</b><br>0345<br>1045<br>1548<br>2302<br>WE | 0.52<br>0.63<br>0.51<br>0.66 | <b>10</b><br>0257<br>1419<br>TH                 | 0.73<br>0.37                 | <b>18</b><br>0618<br>2334<br>FR | 0.41<br>0.77 | <b>26</b><br>0534<br>1500<br>SA                 | 0.64<br>0.43                 |
| <b>03</b><br>0422<br>1120<br>1501<br>2326<br>TH | 0.50<br>0.60<br>0.51<br>0.69 | <b>11</b><br>0344<br>1452<br>FR                 | 0.72<br>0.37                 | <b>19</b><br>0844<br>SA         | 0.38         | <b>27</b><br>0436<br>1400<br>2228<br>SU         | 0.61<br>0.47<br>0.60         |
| <b>04</b><br>0640<br>1154<br>1515<br>2233<br>FR | 0.49<br>0.56<br>0.50<br>0.71 | <b>12</b><br>0436<br>1523<br>SA                 | 0.72<br>0.38                 | <b>20</b><br>0013<br>0939<br>SU | 0.79<br>0.35 | <b>28</b><br>1403<br>2123<br>MO                 | 0.48<br>0.63                 |
| <b>05</b><br>0728<br>2302<br>SA                 | 0.48<br>0.73                 | <b>13</b><br>0647<br>1549<br>SU                 | 0.72<br>0.41                 | <b>21</b><br>0052<br>1210<br>MO | 0.78<br>0.32 | <b>29</b><br>1419<br>2143<br>TU                 | 0.50<br>0.67                 |
| <b>06</b><br>0817<br>2331<br>SU                 | 0.46<br>0.74                 | <b>14</b><br>0738<br>1510<br>2200<br>MO         | 0.70<br>0.44<br>0.58         | <b>22</b><br>0131<br>1253<br>TU | 0.76<br>0.31 | <b>30</b><br>0442<br>0959<br>1319<br>2206<br>WE | 0.50<br>0.56<br>0.50<br>0.70 |
| <b>07</b><br>1023<br>MO                         | 0.44                         | <b>15</b><br>0230<br>0927<br>1521<br>2207<br>TU | 0.53<br>0.67<br>0.48<br>0.63 | <b>23</b><br>0210<br>1333<br>WE | 0.74<br>0.33 | <b>31</b><br>0521<br>2227<br>TH                 | 0.47<br>0.73                 |
| <b>08</b><br>0002<br>1312<br>TU                 | 0.74<br>0.41                 | <b>16</b><br>0328<br>1024<br>1529<br>2226<br>WE | 0.49<br>0.63<br>0.51<br>0.68 | <b>24</b><br>0248<br>1410<br>TH | 0.70<br>0.36 |   |                              |

### CADDADUP - DAWESVILLE CHANNEL

LAT 32°37' S LONG 115°39' E TIME ZONE -0800

TIMES AND HEIGHTS OF HIGH AND LOW WATERS

#### NOVEMBER - 2024

| Time                            | m            | Time                                    | m                    | Time                                    | m                    | Time                            | m            |
|---------------------------------|--------------|---|----------------------|---|----------------------|---------------------------------|--------------|
| <b>01</b><br>0601<br>2138<br>FR | 0.44<br>0.75 | <b>09</b><br>0317<br>1250<br>SA         | 0.71<br>0.39         | <b>17</b><br>0834<br>2351<br>SU         | 0.32<br>0.82         | <b>25</b><br>1126<br>2032<br>MO | 0.49<br>0.66 |
| <b>02</b><br>0642<br>2206<br>SA | 0.42<br>0.76 | <b>10</b><br>0400<br>1321<br>SU         | 0.68<br>0.42         | <b>18</b><br>0922<br>MO                 | 0.32                 | <b>26</b><br>1137<br>2047<br>TU | 0.49<br>0.70 |
| <b>03</b><br>0723<br>2235<br>SU | 0.40<br>0.77 | <b>11</b><br>0449<br>1345<br>2106<br>MO | 0.63<br>0.45<br>0.62 | <b>19</b><br>0030<br>1145<br>TU         | 0.79<br>0.32         | <b>27</b><br>0609<br>2109<br>WE | 0.49<br>0.73 |
| <b>04</b><br>0810<br>2306<br>MO | 0.39<br>0.76 | <b>12</b><br>1359<br>2115<br>TU         | 0.49<br>0.67         | <b>20</b><br>0109<br>1227<br>WE         | 0.76<br>0.33         | <b>28</b><br>0459<br>2129<br>TH | 0.46<br>0.76 |
| <b>05</b><br>0958<br>2339<br>TU | 0.38<br>0.76 | <b>13</b><br>0433<br>2121<br>WE         | 0.49<br>0.72         | <b>21</b><br>0145<br>1304<br>TH         | 0.73<br>0.36         | <b>29</b><br>0529<br>2050<br>FR | 0.43<br>0.78 |
| <b>06</b><br>1046<br>WE         | 0.37         | <b>14</b><br>0518<br>2150<br>TH         | 0.43<br>0.77         | <b>22</b><br>0027<br>1336<br>FR         | 0.69<br>0.40         | <b>30</b><br>0602<br>2119<br>SA | 0.40<br>0.79 |
| <b>07</b><br>0013<br>1132<br>TH | 0.74<br>0.37 | <b>15</b><br>0645<br>2229<br>FR         | 0.38<br>0.81         | <b>23</b><br>0054<br>1400<br>2341<br>SA | 0.66<br>0.44<br>0.63 |                                 |              |
| <b>08</b><br>0048<br>1348<br>FR | 0.73<br>0.37 | <b>16</b><br>0745<br>2310<br>SA         | 0.34<br>0.82         | <b>24</b><br>1234<br>2154<br>SU         | 0.47<br>0.63         |                                 |              |

### CADDADUP - DAWESVILLE CHANNEL

LAT 32°37' S LONG 115°39' E TIME ZONE -0800

TIMES AND HEIGHTS OF HIGH AND LOW WATERS

#### DECEMBER - 2024

| Time                            | m            | Time                                    | m                    | Time                                    | m                    | Time                            | m            |
|---------------------------------|--------------|---|----------------------|---|----------------------|---------------------------------|--------------|
| <b>01</b><br>0639<br>2149<br>SU | 0.37<br>0.80 | <b>09</b><br>0127<br>1232<br>2011<br>MO | 0.64<br>0.47<br>0.64 | <b>17</b><br>0900<br>TU                 | 0.33                 | <b>25</b><br>0720<br>2011<br>WE | 0.45<br>0.74 |
| <b>02</b><br>0717<br>2222<br>MO | 0.36<br>0.79 | <b>10</b><br>1126<br>2023<br>TU         | 0.49<br>0.69         | <b>18</b><br>0013<br>0939<br>WE         | 0.79<br>0.36         | <b>26</b><br>0558<br>1935<br>TH | 0.43<br>0.77 |
| <b>03</b><br>0845<br>2254<br>TU | 0.36<br>0.79 | <b>11</b><br>0557<br>1941<br>WE         | 0.47<br>0.75         | <b>19</b><br>0047<br>1015<br>TH         | 0.76<br>0.39         | <b>27</b><br>0618<br>2003<br>FR | 0.41<br>0.79 |
| <b>04</b><br>0936<br>2326<br>WE | 0.36<br>0.77 | <b>12</b><br>0557<br>2029<br>TH         | 0.41<br>0.80         | <b>20</b><br>0117<br>1046<br>FR         | 0.72<br>0.42         | <b>28</b><br>0640<br>2037<br>SA | 0.39<br>0.81 |
| <b>05</b><br>1021<br>2357<br>TH | 0.36<br>0.75 | <b>13</b><br>0616<br>2123<br>FR         | 0.35<br>0.83         | <b>21</b><br>0002<br>0930<br>SA         | 0.69<br>0.45         | <b>29</b><br>0656<br>2115<br>SU | 0.37<br>0.81 |
| <b>06</b><br>1101<br>FR         | 0.38         | <b>14</b><br>0657<br>2210<br>SA         | 0.32<br>0.84         | <b>22</b><br>0023<br>0749<br>2115<br>SU | 0.66<br>0.46<br>0.65 | <b>30</b><br>0640<br>2230<br>MO | 0.36<br>0.81 |
| <b>07</b><br>0028<br>1138<br>SA | 0.73<br>0.40 | <b>15</b><br>0738<br>2253<br>SU         | 0.31<br>0.84         | <b>23</b><br>0808<br>1944<br>MO         | 0.46<br>0.66         | <b>31</b><br>0732<br>2320<br>TU | 0.35<br>0.81 |
| <b>08</b><br>0059<br>1210<br>SU | 0.69<br>0.43 | <b>16</b><br>0819<br>2334<br>MO         | 0.31<br>0.82         | <b>24</b><br>0828<br>1952<br>TU         | 0.46<br>0.70         |                                 |              |

Datum of predictions is Caddadup, Low Water 1994 which is 1.177 m below benchmark DMH, 096.

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AUSTRALIA, NORTH-WEST COAST – CAPE VOLTAIRE (KRAIT BAY)

2024

LAT 14° 15' S LONG 125° 36' E

TIMES AND HEIGHTS OF HIGH AND LOW WATERS

TIME ZONE -0800

SEPTEMBER

OCTOBER

Table of tide data for September and October, showing times and heights (m) for High and Low water. Includes moon phase symbols (●, ○).

NOVEMBER

DECEMBER

Table of tide data for November and December, showing times and heights (m) for High and Low water. Includes moon phase symbols (●, ○).

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Datum of Predictions is Lowest Astronomical Tide

Moon Phase Symbols ● New Moon ○ First Quarter ○ Full Moon ● Last Quarter

















# COWARAMUP – WESTERN AUSTRALIA

LAT 33° 52' S LONG 114° 59' E

# 2024

TIMES AND HEIGHTS OF HIGH AND LOW WATERS

LOCAL TIME

## MAY

| Time    | m  | Time | m                      | Time | m  | Time | m                      |
|---------|--|------|------------------------|------|--|------|------------------------|
| 1       | 0036 0.38<br>1218 0.96                           | 9    | 0924 1.06<br>1926 0.30 | 17   | 0133 0.55<br>0942 0.81                           | 25   | 0941 1.18<br>1927 0.38 |
| WE<br>☾ |  | TH   |                        | FR   |  | SA   |                        |
| 2       | 0120 0.38<br>1055 0.87<br>1430 0.85<br>1609 0.86 | 10   | 0949 1.08<br>2037 0.33 | 18   | 0117 0.60<br>0833 0.80<br>1545 0.62<br>2012 0.66 | 26   | 1016 1.19<br>2033 0.39 |
| TH      |  | FR   |                        | SA   |  | SU   |                        |
| 3       | 0155 0.41<br>0953 0.82<br>1445 0.73<br>1851 0.79 | 11   | 1015 1.08<br>2154 0.37 | 19   | 0046 0.63<br>0804 0.84<br>1557 0.55              | 27   | 1050 1.17<br>2141 0.40 |
| FR      |  | SA   |                        | SU   |  | MO   |                        |
| 4       | 0217 0.47<br>0910 0.80<br>1521 0.60<br>2026 0.73 | 12   | 1040 1.06<br>2308 0.40 | 20   | 0750 0.89<br>1615 0.48                           | 28   | 1120 1.12<br>2241 0.41 |
| SA      |  | SU   |                        | MO   |  | TU   |                        |
| 5       | 0224 0.54<br>0857 0.83<br>1602 0.48<br>2159 0.67 | 13   | 1059 1.02              | 21   | 0752 0.96<br>1637 0.43                           | 29   | 1131 1.03<br>2330 0.44 |
| SU      |  | MO   |                        | TU   |  | WE   |                        |
| 6       | 0215 0.60<br>0853 0.88<br>1646 0.38              | 14   | 0009 0.44<br>1110 0.97 | 22   | 0811 1.03<br>1706 0.40                           | 30   | 1052 0.93              |
| MO      |  | TU   |                        | WE   |  | TH   |                        |
| 7       | 0852 0.94<br>1734 0.32                           | 15   | 0051 0.47<br>1113 0.91 | 23   | 0837 1.10<br>1742 0.38                           | 31   | 0006 0.49<br>0857 0.87 |
| TU      |  | WE   |                        | TH   |  | FR   |                        |
| 8       | 0903 1.01<br>1826 0.29                           | 16   | 0119 0.51<br>1037 0.85 | 24   | 0907 1.15<br>1829 0.38                           |      |                        |
| WE      |  | TH   |                        | FR   |  |      |                        |

## JUNE

| Time | m  | Time | m                      | Time | m                      | Time | m                      |
|------|--|------|------------------------|------|------------------------|------|------------------------|
| 1    | 0022 0.55<br>0804 0.86<br>1529 0.61<br>1950 0.66 | 9    | 1006 1.13<br>2107 0.41 | 17   | 0642 0.91<br>1603 0.49 | 25   | 1055 1.14<br>2059 0.40 |
| SA   |  | SU   |                        | MO   |                        | TU   |                        |
| 2    | 0016 0.62<br>0747 0.90<br>1554 0.48              | 10   | 1034 1.09<br>2154 0.45 | 18   | 0648 0.98<br>1620 0.43 | 26   | 1120 1.04<br>2133 0.45 |
| SU   |  | MO   |                        | TU   |                        | WE   |                        |
| 3    | 0747 0.95<br>1629 0.38                           | 11   | 1053 1.03<br>2232 0.50 | 19   | 0713 1.06<br>1646 0.39 | 27   | 1057 0.91<br>2153 0.51 |
| MO   |  | TU   |                        | WE   |                        | TH   |                        |
| 4    | 0752 1.02<br>1709 0.31                           | 12   | 1055 0.96<br>2250 0.54 | 20   | 0745 1.12<br>1719 0.37 | 28   | 0805 0.83<br>2150 0.57 |
| TU   |  | WE   |                        | TH   |                        | FR   |                        |
| 5    | 0807 1.08<br>1752 0.28                           | 13   | 1045 0.89<br>2227 0.58 | 21   | 0822 1.18<br>1758 0.35 | 29   | 0649 0.83<br>1630 0.56 |
| WE   |  | TH   |                        | FR   |                        | SA   |                        |
| 6    | 0832 1.12<br>1838 0.29                           | 14   | 0919 0.82<br>2159 0.61 | 22   | 0901 1.21<br>1842 0.35 | 30   | 0631 0.87<br>1552 0.45 |
| TH   |  | FR   |                        | SA   |                        | SU   |                        |
| 7    | 0902 1.14<br>1926 0.32                           | 15   | 0745 0.81<br>1809 0.61 | 23   | 0941 1.22<br>1929 0.35 |      |                        |
| FR   |  | SA   |                        | SU   |                        |      |                        |
| 8    | 0934 1.15<br>2017 0.36                           | 16   | 0654 0.85<br>1613 0.56 | 24   | 1019 1.20<br>2016 0.37 |      |                        |
| SA   |  | SU   |                        | MO   |                        |      |                        |

## JULY

| Time | m                      | Time | m                      | Time | m                      | Time | m  |
|------|------------------------|------|------------------------|------|------------------------|------|--|
| 1    | 0637 0.93<br>1608 0.35 | 9    | 1031 1.01<br>2015 0.47 | 17   | 0604 0.99<br>1607 0.37 | 25   | 1125 0.83<br>1958 0.49                           |
| MO   |                        | TU   |                        | WE   |                        | TH   |  |
| 2    | 0652 1.00<br>1639 0.29 | 10   | 1050 0.94<br>2009 0.50 | 18   | 0650 1.06<br>1636 0.33 | 26   | 0646 0.69<br>0814 0.69<br>0944 0.69<br>1852 0.54 |
| TU   |                        | WE   |                        | TH   |                        | FR   |  |
| 3    | 0716 1.05<br>1715 0.26 | 11   | 1053 0.86<br>2000 0.53 | 19   | 0736 1.12<br>1710 0.30 | 27   | 0405 0.73<br>1556 0.49                           |
| WE   |                        | TH   |                        | FR   |                        | SA   |  |
| 4    | 0747 1.09<br>1752 0.27 | 12   | 1034 0.78<br>1904 0.55 | 20   | 0822 1.16<br>1748 0.29 | 28   | 0408 0.79<br>1525 0.38                           |
| TH   |                        | FR   |                        | SA   |                        | SU   |  |
| 5    | 0823 1.12<br>1830 0.30 | 13   | 0751 0.73<br>1821 0.55 | 21   | 0905 1.17<br>1825 0.30 | 29   | 0435 0.85<br>1536 0.30                           |
| FR   |                        | SA   |                        | SU   |                        | MO   |  |
| 6    | 0858 1.12<br>1907 0.34 | 14   | 0425 0.78<br>1651 0.52 | 22   | 0947 1.14<br>1901 0.32 | 30   | 0526 0.90<br>1601 0.25                           |
| SA   |                        | SU   |                        | MO   |                        | TU   |  |
| 7    | 0932 1.10<br>1940 0.38 | 15   | 0438 0.84<br>1552 0.47 | 23   | 1026 1.08<br>1932 0.36 | 31   | 0619 0.95<br>1632 0.23                           |
| SU   |                        | MO   |                        | TU   |                        | WE   |  |
| 8    | 1004 1.07<br>2006 0.42 | 16   | 0518 0.92<br>1545 0.42 | 24   | 1101 0.97<br>1953 0.42 |      |  |
| MO   |                        | TU   |                        | WE   |                        |      |  |

## AUGUST

| Time | m  | Time | m  | Time | m  | Time | m                      |
|------|--|------|--|------|--|------|------------------------|
| 1    | 0709 0.99<br>1703 0.24                           | 9    | 0018 0.63<br>0439 0.58<br>1100 0.70<br>1734 0.49 | 17   | 0735 1.04<br>1644 0.24                           | 25   | 0040 0.76<br>1411 0.33 |
| TH   |  | FR   |  | SA   |  | SU   |                        |
| 2    | 0752 1.01<br>1734 0.27                           | 10   | 0034 0.69<br>0606 0.58<br>1045 0.62<br>1712 0.49 | 18   | 0825 1.05<br>1716 0.25                           | 26   | 0106 0.80<br>1435 0.25 |
| FR   |  | SA   |  | SU   |  | MO   |                        |
| 3    | 0829 1.01<br>1803 0.31                           | 11   | 0059 0.74<br>1618 0.48                           | 19   | 0911 1.03<br>1745 0.28                           | 27   | 0150 0.82<br>1506 0.21 |
| SA   |  | SU   |  | MO   |  | TU   |                        |
| 4    | 0902 1.00<br>1826 0.35                           | 12   | 0134 0.79<br>1535 0.44                           | 20   | 0954 0.96<br>1807 0.33                           | 28   | 0333 0.83<br>1538 0.20 |
| SU   |  | MO   |  | TU   |  | WE   |                        |
| 5    | 0931 0.97<br>1837 0.39                           | 13   | 0231 0.84<br>1457 0.39                           | 21   | 0054 0.59<br>0325 0.58<br>1036 0.85<br>1818 0.40 | 29   | 0616 0.85<br>1607 0.21 |
| MO   |  | TU   |  | WE   |  | TH   |                        |
| 6    | 0958 0.92<br>1832 0.42                           | 14   | 0400 0.89<br>1512 0.34                           | 22   | 0042 0.61<br>0502 0.54<br>1114 0.72<br>1812 0.46 | 30   | 0720 0.87<br>1633 0.24 |
| TU   |  | WE   |  | TH   |  | FR   |                        |
| 7    | 1023 0.86<br>1825 0.45                           | 15   | 0529 0.94<br>1539 0.29                           | 23   | 0025 0.65<br>0650 0.51<br>1145 0.57<br>1649 0.49 | 31   | 0804 0.87<br>1656 0.28 |
| WE   |  | TH   |  | FR   |  | SA   |                        |
| 8    | 0034 0.59<br>0327 0.57<br>1047 0.78<br>1810 0.48 | 16   | 0639 1.00<br>1611 0.26                           | 24   | 0025 0.71<br>1427 0.43                           |      |                        |
| TH   |  | FR   |  | SA   |  |      |                        |

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Datum of Predictions is Lowest Astronomical Tide

Caution: Predictions are of secondary quality

Times are in local standard time (Time Zone UTC +08:00)

Moon Phase Symbols ● New Moon ○ First Quarter ○ Full Moon ● Last Quarter

COWARAMUP – WESTERN AUSTRALIA

2024

LAT 33° 52' S LONG 114° 59' E

TIMES AND HEIGHTS OF HIGH AND LOW WATERS

LOCAL TIME

SEPTEMBER

OCTOBER

Table of tide data for September with columns for day, time, and height (m). Includes moon phase symbols (●, ○) for the 25th and 31st.

Table of tide data for October with columns for day, time, and height (m). Includes moon phase symbols (○) for the 17th and 24th.

NOVEMBER

DECEMBER

Table of tide data for November with columns for day, time, and height (m). Includes moon phase symbols (●) for the 1st and 23rd.

Table of tide data for December with columns for day, time, and height (m). Includes moon phase symbols (●) for the 1st and 23rd.

# AUSTRALIA, NORTH-WEST COAST – DAMPIER (KING BAY)

# 2024

LAT 20° 38' S LONG 116° 45' E

TIMES AND HEIGHTS OF HIGH AND LOW WATERS

TIME ZONE -0800

## JANUARY

| Time | m         | Time | m         | Time | m         | Time | m         |
|------|-----------|------|-----------|------|-----------|------|-----------|
| 1    | 0118 4.15 | 9    | 0316 1.62 | 17   | 0215 4.28 | 25   | 0508 1.16 |
|      | 0756 1.08 |      | 0940 3.19 |      | 0842 0.98 |      | 1123 3.72 |
| MO   | 1354 3.95 | TU   | 1502 2.28 | WE   | 1445 4.35 | TH   | 1709 1.86 |
|      | 1954 1.75 |      | 2104 3.89 |      | 2110 1.40 |      | 2303 4.20 |

## FEBRUARY

| Time | m         | Time | m         | Time | m         | Time | m         |
|------|-----------|------|-----------|------|-----------|------|-----------|
| 1    | 0159 4.04 | 9    | 0449 1.17 | 17   | 0312 3.71 | 25   | 0556 0.96 |
|      | 0819 1.24 |      | 1107 3.70 |      | 0906 1.60 |      | 1158 4.26 |
| TH   | 1420 4.23 | FR   | 1647 1.85 | SA   | 1525 4.21 | SU   | 1802 1.35 |
|      | 2038 1.54 |      | 2240 4.36 |      | 2209 1.67 |      | 2356 4.47 |

## MARCH

| Time | m         | Time | m         | Time | m         | Time | m         |
|------|-----------|------|-----------|------|-----------|------|-----------|
| 1    | 0130 4.21 | 9    | 0431 1.26 | 17   | 0239 3.72 | 25   | 0525 1.13 |
|      | 0745 1.19 |      | 1045 3.89 |      | 0829 1.71 |      | 1125 4.39 |
| FR   | 1342 4.51 | SA   | 1638 1.67 | SU   | 1446 4.19 | MO   | 1739 1.20 |
|      | 2008 1.19 |      | 2232 4.40 | ☉    | 2127 1.66 | ○    | 2333 4.43 |

## APRIL

| Time | m         | Time | m         | Time | m         | Time | m         |
|------|-----------|------|-----------|------|-----------|------|-----------|
| 1    | 0156 3.79 | 9    | 0505 0.92 | 17   | 0401 3.01 | 25   | 0534 1.29 |
|      | 0755 1.72 |      | 1104 4.89 |      | 0858 2.59 |      | 1127 4.64 |
| MO   | 1400 4.24 | TU   | 1731 0.60 | WE   | 1615 3.25 | TH   | 1801 0.83 |
|      | 2041 1.51 | ☀    | 2328 4.73 |      | 2359 2.39 |      | 2356 4.30 |

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Datum of Predictions is Lowest Astronomical Tide

Moon Phase Symbols

● New Moon

◐ First Quarter

○ Full Moon

◑ Last Quarter









### DAWESVILLE CHANNEL - OCEAN ENTRANCE

LAT 32°36' S LONG 115°38' E TIME ZONE -0800

TIMES AND HEIGHTS OF HIGH AND LOW WATERS

#### MAY - 2024

| Time                 | m  | Time                 | m                            | Time                 | m  | Time                 | m                            |
|----------------------|--|----------------------|------------------------------|----------------------|--|----------------------|------------------------------|
| <b>01</b><br>WE<br>☾ | 0123<br>1311<br>0.53<br>1.02                                 | <b>09</b><br>TH      | 0933<br>1948<br>1.16<br>0.52 | <b>17</b><br>FR      | 0056<br>1006<br>0.69<br>0.89                 | <b>25</b><br>SA      | 0947<br>1947<br>1.18<br>0.54 |
| <b>02</b><br>TH      | 0150<br>1625<br>0.54<br>0.98                                 | <b>10</b><br>FR      | 0955<br>2053<br>1.17<br>0.52 | <b>18</b><br>SA      | 0055<br>0811<br>0.72<br>0.91                 | <b>26</b><br>SU      | 1021<br>2036<br>1.17<br>0.54 |
| <b>03</b><br>FR      | 0203<br>1744<br>0.57<br>0.94                                 | <b>11</b><br>SA      | 1021<br>2322<br>1.15<br>0.53 | <b>19</b><br>SU      | 0036<br>0807<br>0.74<br>0.96                 | <b>27</b><br>MO      | 1058<br>2129<br>1.15<br>0.55 |
| <b>04</b><br>SA      | 0156<br>0901<br>1311<br>1913<br>0.62<br>0.85<br>0.79<br>0.89 | <b>12</b><br>SU      | 1051<br>1202<br>1.12         | <b>20</b><br>MO      | 0031<br>0809<br>1604<br>0.75<br>1.01<br>0.73 | <b>28</b><br>TU      | 1137<br>2228<br>1.12<br>0.57 |
| <b>05</b><br>SU      | 0200<br>0832<br>1450<br>2108<br>0.67<br>0.92<br>0.71<br>0.84 | <b>13</b><br>MO      | 0018<br>1125<br>0.55<br>1.07 | <b>21</b><br>TU      | 0807<br>1649<br>1.06<br>0.67                 | <b>29</b><br>WE      | 1216<br>2331<br>1.07<br>0.60 |
| <b>06</b><br>MO      | 0204<br>0846<br>1610<br>0.72<br>1.00<br>0.64                 | <b>14</b><br>TU      | 0103<br>1202<br>0.59<br>1.03 | <b>22</b><br>WE      | 0821<br>1733<br>1.11<br>0.63                 | <b>30</b><br>TH      | 1256<br>2356<br>1.01<br>0.65 |
| <b>07</b><br>TU      | 0905<br>1728<br>1.07<br>0.58                                 | <b>15</b><br>WE<br>☾ | 0138<br>1244<br>0.62<br>0.98 | <b>23</b><br>TH<br>☽ | 0845<br>1817<br>1.15<br>0.59                 | <b>31</b><br>FR<br>☾ | 1328<br>0.93                 |
| <b>08</b><br>WE<br>☾ | 0919<br>1844<br>1.13<br>0.54                                 | <b>16</b><br>TH      | 0149<br>1329<br>0.67<br>0.93 | <b>24</b><br>FR      | 0915<br>1902<br>1.17<br>0.56                 |                      |                              |

### DAWESVILLE CHANNEL - OCEAN ENTRANCE

LAT 32°36' S LONG 115°38' E TIME ZONE -0800

TIMES AND HEIGHTS OF HIGH AND LOW WATERS

#### JUNE - 2024

| Time                 | m  | Time                 | m                            | Time                 | m                            | Time                 | m                            |
|----------------------|--|----------------------|------------------------------|----------------------|------------------------------|----------------------|------------------------------|
| <b>01</b><br>SA      | 0005<br>0730<br>0.70<br>0.90                 | <b>09</b><br>SU      | 1010<br>2100<br>1.14<br>0.57 | <b>17</b><br>MO      | 0710<br>1736<br>1.01<br>0.72 | <b>25</b><br>TU      | 1104<br>2051<br>1.11<br>0.54 |
| <b>02</b><br>SU      | 0013<br>0713<br>1604<br>0.74<br>0.97<br>0.74 | <b>10</b><br>MO      | 1041<br>2134<br>1.10<br>0.61 | <b>18</b><br>TU      | 0713<br>1706<br>1.06<br>0.67 | <b>26</b><br>WE      | 1139<br>2129<br>1.06<br>0.59 |
| <b>03</b><br>MO      | 0728<br>1649<br>1.05<br>0.65                 | <b>11</b><br>TU      | 1114<br>2159<br>1.06<br>0.65 | <b>19</b><br>WE      | 0726<br>1715<br>1.10<br>0.61 | <b>27</b><br>TH      | 1207<br>2156<br>0.99<br>0.65 |
| <b>04</b><br>TU      | 0752<br>1734<br>1.12<br>0.58                 | <b>12</b><br>WE      | 1148<br>2218<br>1.02<br>0.69 | <b>20</b><br>TH      | 0753<br>1738<br>1.14<br>0.56 | <b>28</b><br>FR      | 1222<br>2203<br>0.90<br>0.71 |
| <b>05</b><br>WE      | 0818<br>1817<br>1.17<br>0.53                 | <b>13</b><br>TH      | 1223<br>2222<br>0.97<br>0.72 | <b>21</b><br>FR      | 0826<br>1811<br>1.17<br>0.52 | <b>29</b><br>SA<br>☾ | 0545<br>1939<br>0.88<br>0.72 |
| <b>06</b><br>TH<br>☾ | 0845<br>1859<br>1.19<br>0.51                 | <b>14</b><br>FR<br>☾ | 1007<br>2023<br>0.92<br>0.73 | <b>22</b><br>SA<br>☽ | 0904<br>1848<br>1.18<br>0.49 | <b>30</b><br>SU<br>☽ | 0551<br>1752<br>0.95<br>0.69 |
| <b>07</b><br>FR<br>☽ | 0911<br>1940<br>1.19<br>0.51                 | <b>15</b><br>SA<br>☽ | 0700<br>2040<br>0.91<br>0.74 | <b>23</b><br>SU<br>☽ | 0944<br>1928<br>1.17<br>0.49 |                      |                              |
| <b>08</b><br>SA      | 0939<br>2020<br>1.17<br>0.53                 | <b>16</b><br>SU      | 0701<br>2048<br>0.96<br>0.74 | <b>24</b><br>MO      | 1025<br>2010<br>1.15<br>0.51 |                      |                              |

### DAWESVILLE CHANNEL - OCEAN ENTRANCE

LAT 32°36' S LONG 115°38' E TIME ZONE -0800

TIMES AND HEIGHTS OF HIGH AND LOW WATERS

#### JULY - 2024

| Time                 | m                            | Time                 | m                            | Time                 | m                            | Time                 | m                            |
|----------------------|------------------------------|----------------------|------------------------------|----------------------|------------------------------|----------------------|------------------------------|
| <b>01</b><br>MO      | 0615<br>1630<br>1.03<br>0.61 | <b>09</b><br>TU      | 1039<br>2005<br>1.02<br>0.61 | <b>17</b><br>WE      | 0625<br>1651<br>1.02<br>0.56 | <b>25</b><br>TH      | 1124<br>2016<br>0.91<br>0.62 |
| <b>02</b><br>TU      | 0647<br>1705<br>1.09<br>0.54 | <b>10</b><br>WE      | 1106<br>1944<br>0.98<br>0.64 | <b>18</b><br>TH      | 0701<br>1705<br>1.06<br>0.50 | <b>26</b><br>FR      | 1133<br>1822<br>0.81<br>0.66 |
| <b>03</b><br>WE      | 0724<br>1740<br>1.13<br>0.50 | <b>11</b><br>TH      | 1135<br>1850<br>0.94<br>0.65 | <b>19</b><br>FR      | 0743<br>1724<br>1.09<br>0.46 | <b>27</b><br>SA      | 0315<br>1816<br>0.82<br>0.64 |
| <b>04</b><br>TH      | 0800<br>1815<br>1.14<br>0.48 | <b>12</b><br>FR      | 1201<br>1905<br>0.89<br>0.66 | <b>20</b><br>SA      | 0826<br>1750<br>1.11<br>0.43 | <b>28</b><br>SU<br>☾ | 0355<br>1500<br>0.89<br>0.59 |
| <b>05</b><br>FR      | 0837<br>1845<br>1.14<br>0.48 | <b>13</b><br>SA      | 0911<br>1921<br>0.85<br>0.66 | <b>21</b><br>SU<br>☽ | 0911<br>1822<br>1.12<br>0.42 | <b>29</b><br>MO      | 0440<br>1537<br>0.95<br>0.52 |
| <b>06</b><br>SA<br>☾ | 0912<br>1914<br>1.12<br>0.50 | <b>14</b><br>SU<br>☾ | 0545<br>1930<br>0.89<br>0.67 | <b>22</b><br>MO      | 0954<br>1856<br>1.10<br>0.44 | <b>30</b><br>TU      | 0531<br>1613<br>0.99<br>0.47 |
| <b>07</b><br>SU      | 0944<br>1938<br>1.09<br>0.53 | <b>15</b><br>MO      | 0555<br>1738<br>0.93<br>0.66 | <b>23</b><br>TU      | 1034<br>1929<br>1.06<br>0.49 | <b>31</b><br>WE      | 0626<br>1647<br>1.02<br>0.44 |
| <b>08</b><br>MO      | 1012<br>1957<br>1.06<br>0.57 | <b>16</b><br>TU      | 0600<br>1650<br>0.98<br>0.61 | <b>24</b><br>WE      | 1106<br>1959<br>0.99<br>0.55 |                      |                              |

### DAWESVILLE CHANNEL - OCEAN ENTRANCE

LAT 32°36' S LONG 115°38' E TIME ZONE -0800

TIMES AND HEIGHTS OF HIGH AND LOW WATERS

#### AUGUST - 2024

| Time                 | m                            | Time                 | m  | Time                 | m  | Time                 | m                            |
|----------------------|------------------------------|----------------------|--|----------------------|--|----------------------|------------------------------|
| <b>01</b><br>TH      | 0716<br>1719<br>1.03<br>0.43 | <b>09</b><br>FR<br>☽ | 0000<br>0506<br>1118<br>1754<br>0.73<br>0.67<br>0.81<br>0.59 | <b>17</b><br>SA      | 0735<br>1645<br>1.00<br>0.37                                 | <b>25</b><br>SU      | 0213<br>1337<br>0.85<br>0.49 |
| <b>02</b><br>FR      | 0800<br>1745<br>1.03<br>0.44 | <b>10</b><br>SA<br>☽ | 0019<br>0601<br>0901<br>1810<br>0.78<br>0.70<br>0.75<br>0.59 | <b>18</b><br>SU<br>☽ | 0823<br>1707<br>1.02<br>0.37                                 | <b>26</b><br>MO<br>☾ | 0254<br>1420<br>0.88<br>0.42 |
| <b>03</b><br>SA      | 0839<br>1803<br>1.02<br>0.46 | <b>11</b><br>SU      | 0053<br>1815<br>0.82<br>0.60                                 | <b>19</b><br>MO      | 0910<br>1733<br>1.01<br>0.39                                 | <b>27</b><br>TU      | 0345<br>1501<br>0.89<br>0.38 |
| <b>04</b><br>SU<br>☾ | 0911<br>1814<br>1.00<br>0.49 | <b>12</b><br>MO<br>☾ | 0131<br>1644<br>0.85<br>0.58                                 | <b>20</b><br>TU<br>☽ | 0957<br>1800<br>0.97<br>0.44                                 | <b>28</b><br>WE      | 0448<br>1539<br>0.90<br>0.38 |
| <b>05</b><br>MO      | 0939<br>1823<br>0.97<br>0.52 | <b>13</b><br>TU      | 0230<br>1546<br>0.88<br>0.54                                 | <b>21</b><br>WE<br>☽ | 0002<br>0244<br>1045<br>1822<br>0.63<br>0.57<br>0.90<br>0.51 | <b>29</b><br>TH      | 0616<br>1611<br>0.90<br>0.39 |
| <b>06</b><br>TU      | 1003<br>1824<br>0.94<br>0.55 | <b>14</b><br>WE      | 0435<br>1550<br>0.90<br>0.49                                 | <b>22</b><br>TH<br>☽ | 0032<br>0344<br>1219<br>1818<br>0.68<br>0.58<br>0.80<br>0.58 | <b>30</b><br>FR      | 0716<br>1633<br>0.90<br>0.41 |
| <b>07</b><br>WE      | 1027<br>1739<br>0.90<br>0.58 | <b>15</b><br>TH      | 0545<br>1607<br>0.94<br>0.44                                 | <b>23</b><br>FR<br>☽ | 0104<br>0449<br>1327<br>1652<br>0.74<br>0.60<br>0.70<br>0.59 | <b>31</b><br>SA      | 0800<br>1639<br>0.89<br>0.43 |
| <b>08</b><br>TH      | 1052<br>1740<br>0.86<br>0.58 | <b>16</b><br>FR      | 0645<br>1626<br>0.97<br>0.40                                 | <b>24</b><br>SA      | 0138<br>1645<br>0.80<br>0.57                                 |                      |                              |

Datum of predictions is Bouvard, Low Water 1994 which is 3.491 m below benchmark DMH, 102.

### DAWESVILLE CHANNEL - OCEAN ENTRANCE

LAT 32°36' S LONG 115°38' E TIME ZONE -0800

TIMES AND HEIGHTS OF HIGH AND LOW WATERS

#### SEPTEMBER - 2024

| Time  | m                            | Time                                    | m                    | Time  | m                            | Time  | m                            |
|---|------------------------------|---|----------------------|---|------------------------------|---|------------------------------|
| <b>01</b><br>0835<br>1639<br>SU                 | 0.88<br>0.46                 | <b>09</b><br>1522<br>MO                 | 0.52                 | <b>17</b><br>0144<br>0909<br>1625<br>2235<br>TU | 0.55<br>0.87<br>0.43<br>0.64 | <b>25</b><br>0031<br>1425<br>WE                 | 0.84<br>0.33                 |
| <b>02</b><br>0902<br>1647<br>2308<br>MO         | 0.86<br>0.48<br>0.62         | <b>10</b><br>0028<br>1423<br>TU         | 0.85<br>0.48         | <b>18</b><br>0300<br>1017<br>1639<br>2300<br>WE | 0.51<br>0.80<br>0.49<br>0.70 | <b>26</b><br>0121<br>1500<br>TH                 | 0.80<br>0.36                 |
| <b>03</b><br>0215<br>0926<br>1640<br>2311<br>TU | 0.56<br>0.83<br>0.51<br>0.65 | <b>11</b><br>0101<br>1436<br>WE         | 0.85<br>0.44         | <b>19</b><br>0419<br>1135<br>1559<br>2324<br>TH | 0.49<br>0.72<br>0.55<br>0.76 | <b>27</b><br>0549<br>1523<br>FR                 | 0.78<br>0.39                 |
| <b>04</b><br>0307<br>0949<br>1613<br>2233<br>WE | 0.55<br>0.80<br>0.53<br>0.69 | <b>12</b><br>0151<br>1456<br>TH         | 0.84<br>0.39         | <b>20</b><br>0552<br>1240<br>1519<br>2238<br>FR | 0.48<br>0.63<br>0.55<br>0.82 | <b>28</b><br>0703<br>1524<br>SA                 | 0.77<br>0.43                 |
| <b>05</b><br>0353<br>1014<br>1622<br>2239<br>TH | 0.55<br>0.76<br>0.53<br>0.74 | <b>13</b><br>0507<br>1516<br>FR         | 0.85<br>0.36         | <b>21</b><br>0757<br>2255<br>SA                 | 0.46<br>0.87                 | <b>29</b><br>0748<br>1515<br>2140<br>SU         | 0.76<br>0.45<br>0.62         |
| <b>06</b><br>0438<br>1039<br>1637<br>2302<br>FR | 0.55<br>0.71<br>0.54<br>0.78 | <b>14</b><br>0621<br>1533<br>SA         | 0.88<br>0.34         | <b>22</b><br>1212<br>2322<br>SU                 | 0.41<br>0.89                 | <b>30</b><br>0128<br>0827<br>1518<br>2141<br>MO | 0.57<br>0.75<br>0.48<br>0.65 |
| <b>07</b><br>0522<br>1106<br>1646<br>2330<br>SA | 0.57<br>0.66<br>0.55<br>0.82 | <b>15</b><br>0720<br>1548<br>SU         | 0.90<br>0.35         | <b>23</b><br>1300<br>2354<br>MO                 | 0.35<br>0.88                 |   |                              |
| <b>08</b><br>1613<br>2359<br>SU                 | 0.55<br>0.84                 | <b>16</b><br>0815<br>1606<br>2224<br>MO | 0.90<br>0.37<br>0.60 | <b>24</b><br>1345<br>TU                         | 0.33                         |   |                              |

### DAWESVILLE CHANNEL - OCEAN ENTRANCE

LAT 32°36' S LONG 115°38' E TIME ZONE -0800

TIMES AND HEIGHTS OF HIGH AND LOW WATERS

#### OCTOBER - 2024

| Time  | m                            | Time  | m                            | Time  | m                            | Time  | m                            |
|---|------------------------------|---|------------------------------|---|------------------------------|---|------------------------------|
| <b>01</b><br>0217<br>0900<br>1500<br>2130<br>TU | 0.54<br>0.73<br>0.50<br>0.68 | <b>09</b><br>1315<br>WE                         | 0.41                         | <b>17</b><br>0407<br>1052<br>1415<br>2124<br>TH | 0.42<br>0.65<br>0.55<br>0.83 | <b>25</b><br>0037<br>1418<br>FR                 | 0.76<br>0.40                 |
| <b>02</b><br>0257<br>0929<br>1450<br>2118<br>WE | 0.51<br>0.70<br>0.51<br>0.73 | <b>10</b><br>0018<br>1342<br>TH                 | 0.85<br>0.38                 | <b>18</b><br>0522<br>2132<br>FR                 | 0.38<br>0.89                 | <b>26</b><br>0131<br>1423<br>SA                 | 0.70<br>0.45                 |
| <b>03</b><br>0335<br>0955<br>1501<br>2130<br>TH | 0.49<br>0.67<br>0.52<br>0.78 | <b>11</b><br>0104<br>1406<br>FR                 | 0.82<br>0.36                 | <b>19</b><br>0645<br>2150<br>SA                 | 0.34<br>0.93                 | <b>27</b><br>0618<br>1355<br>2026<br>SU         | 0.66<br>0.48<br>0.66         |
| <b>04</b><br>0415<br>1019<br>1513<br>2152<br>FR | 0.47<br>0.62<br>0.53<br>0.82 | <b>12</b><br>0426<br>1424<br>SA                 | 0.79<br>0.35                 | <b>20</b><br>0809<br>2216<br>SU                 | 0.33<br>0.94                 | <b>28</b><br>0150<br>0728<br>1353<br>2023<br>MO | 0.59<br>0.65<br>0.50<br>0.70 |
| <b>05</b><br>0454<br>2219<br>SA                 | 0.47<br>0.85                 | <b>13</b><br>0547<br>1431<br>SU                 | 0.79<br>0.36                 | <b>21</b><br>1126<br>2246<br>MO                 | 0.32<br>0.92                 | <b>29</b><br>0242<br>0824<br>1330<br>2026<br>TU | 0.55<br>0.64<br>0.52<br>0.74 |
| <b>06</b><br>0536<br>2246<br>SU                 | 0.47<br>0.87                 | <b>14</b><br>0700<br>1438<br>2053<br>MO         | 0.78<br>0.40<br>0.64         | <b>22</b><br>1223<br>2320<br>TU                 | 0.31<br>0.87                 | <b>30</b><br>0326<br>0923<br>1326<br>2020<br>WE | 0.51<br>0.62<br>0.53<br>0.79 |
| <b>07</b><br>0905<br>2314<br>MO                 | 0.46<br>0.87                 | <b>15</b><br>0137<br>0813<br>1451<br>2057<br>TU | 0.54<br>0.76<br>0.45<br>0.69 | <b>23</b><br>1309<br>2356<br>WE                 | 0.32<br>0.82                 | <b>31</b><br>0407<br>1021<br>1337<br>2027<br>TH | 0.47<br>0.60<br>0.54<br>0.84 |
| <b>08</b><br>1011<br>2343<br>TU                 | 0.45<br>0.87                 | <b>16</b><br>0254<br>0937<br>1500<br>2113<br>WE | 0.48<br>0.71<br>0.51<br>0.76 | <b>24</b><br>1349<br>TH                         | 0.36                         |   |                              |

### DAWESVILLE CHANNEL - OCEAN ENTRANCE

LAT 32°36' S LONG 115°38' E TIME ZONE -0800

TIMES AND HEIGHTS OF HIGH AND LOW WATERS

#### NOVEMBER - 2024

| Time                            | m            | Time  | m                            | Time                                    | m                    | Time                            | m            |
|---------------------------------|--------------|---|------------------------------|---|----------------------|---------------------------------|--------------|
| <b>01</b><br>0450<br>2047<br>FR | 0.43<br>0.88 | <b>09</b><br>0038<br>1258<br>SA                 | 0.81<br>0.38                 | <b>17</b><br>0704<br>2122<br>SU         | 0.26<br>0.99         | <b>25</b><br>1147<br>1923<br>MO | 0.53<br>0.74 |
| <b>02</b><br>0539<br>2114<br>SA | 0.40<br>0.91 | <b>10</b><br>0131<br>1255<br>SU                 | 0.75<br>0.41                 | <b>18</b><br>0759<br>2151<br>MO         | 0.27<br>0.96         | <b>26</b><br>1032<br>1932<br>TU | 0.54<br>0.79 |
| <b>03</b><br>0633<br>2142<br>SU | 0.38<br>0.92 | <b>11</b><br>0505<br>1302<br>1941<br>MO         | 0.70<br>0.45<br>0.69         | <b>19</b><br>0859<br>2223<br>TU         | 0.30<br>0.91         | <b>27</b><br>0447<br>1937<br>WE | 0.52<br>0.84 |
| <b>04</b><br>0728<br>2211<br>MO | 0.37<br>0.92 | <b>12</b><br>0059<br>0645<br>1316<br>1939<br>TU | 0.58<br>0.65<br>0.50<br>0.76 | <b>20</b><br>1137<br>2255<br>WE         | 0.34<br>0.86         | <b>28</b><br>0421<br>1937<br>TH | 0.47<br>0.88 |
| <b>05</b><br>0821<br>2242<br>TU | 0.37<br>0.91 | <b>13</b><br>0237<br>0906<br>1321<br>1956<br>WE | 0.49<br>0.62<br>0.55<br>0.84 | <b>21</b><br>1230<br>2330<br>TH         | 0.38<br>0.80         | <b>29</b><br>0449<br>1952<br>FR | 0.41<br>0.92 |
| <b>06</b><br>0915<br>2315<br>WE | 0.37<br>0.89 | <b>14</b><br>0400<br>2016<br>TH                 | 0.41<br>0.91                 | <b>22</b><br>1309<br>FR                 | 0.43                 | <b>30</b><br>0522<br>2017<br>SA | 0.37<br>0.95 |
| <b>07</b><br>1016<br>2354<br>TH | 0.37<br>0.85 | <b>15</b><br>0507<br>2037<br>FR                 | 0.33<br>0.96                 | <b>23</b><br>0003<br>1323<br>2131<br>SA | 0.75<br>0.48<br>0.70 |                                 |              |
| <b>08</b><br>1221<br>FR         | 0.38         | <b>16</b><br>0608<br>2058<br>SA                 | 0.28<br>0.99                 | <b>24</b><br>1201<br>2101<br>SU         | 0.51<br>0.69         |                                 |              |

### DAWESVILLE CHANNEL - OCEAN ENTRANCE

LAT 32°36' S LONG 115°38' E TIME ZONE -0800

TIMES AND HEIGHTS OF HIGH AND LOW WATERS

#### DECEMBER - 2024

| Time                                    | m                    | Time                            | m            | Time                            | m            | Time                            | m            |
|---|----------------------|---------------------------------|--------------|---------------------------------|--------------|---------------------------------|--------------|
| <b>01</b><br>0558<br>2047<br>SU         | 0.33<br>0.96         | <b>09</b><br>1102<br>1842<br>MO | 0.50<br>0.71 | <b>17</b><br>0737<br>2146<br>TU | 0.27<br>0.94 | <b>25</b><br>0551<br>1849<br>WE | 0.49<br>0.84 |
| <b>02</b><br>0634<br>2120<br>MO         | 0.31<br>0.96         | <b>10</b><br>0826<br>1834<br>TU | 0.54<br>0.79 | <b>18</b><br>0808<br>2214<br>WE | 0.32<br>0.89 | <b>26</b><br>0530<br>1856<br>TH | 0.46<br>0.88 |
| <b>03</b><br>0713<br>2154<br>TU         | 0.31<br>0.95         | <b>11</b><br>0403<br>1851<br>WE | 0.49<br>0.87 | <b>19</b><br>0832<br>2242<br>TH | 0.38<br>0.84 | <b>27</b><br>0509<br>1907<br>FR | 0.41<br>0.92 |
| <b>04</b><br>0753<br>2230<br>WE         | 0.31<br>0.93         | <b>12</b><br>0434<br>1917<br>TH | 0.40<br>0.94 | <b>20</b><br>0847<br>2309<br>FR | 0.43<br>0.79 | <b>28</b><br>0513<br>1932<br>SA | 0.36<br>0.95 |
| <b>05</b><br>0835<br>2306<br>TH         | 0.33<br>0.89         | <b>13</b><br>0511<br>1947<br>FR | 0.31<br>0.99 | <b>21</b><br>0832<br>2331<br>SA | 0.47<br>0.74 | <b>29</b><br>0528<br>2005<br>SU | 0.32<br>0.97 |
| <b>06</b><br>0919<br>2343<br>FR         | 0.36<br>0.84         | <b>14</b><br>0549<br>2018<br>SA | 0.26<br>1.01 | <b>22</b><br>0713<br>2057<br>SU | 0.48<br>0.72 | <b>30</b><br>0551<br>2042<br>MO | 0.29<br>0.98 |
| <b>07</b><br>1001<br>SA                 | 0.40                 | <b>15</b><br>0626<br>2048<br>SU | 0.23<br>1.01 | <b>23</b><br>0730<br>1824<br>MO | 0.48<br>0.74 | <b>31</b><br>0620<br>2120<br>TU | 0.27<br>0.97 |
| <b>08</b><br>0016<br>1038<br>2056<br>SU | 0.78<br>0.45<br>0.70 | <b>16</b><br>0702<br>2117<br>MO | 0.24<br>0.98 | <b>24</b><br>0745<br>1836<br>TU | 0.49<br>0.79 |                                 |              |

Datum of predictions is Bouvard, Low Water 1994 which is 3.491 m below benchmark DMH, 102.



# AUSTRALIA, NORTH-WEST COAST – DENHAM

LAT 25° 56' S LONG 113° 32' E

# 2024

TIMES AND HEIGHTS OF HIGH AND LOW WATERS

TIME ZONE -0800

## MAY

## JUNE

| Time | m   | Time | m   | Time | m   | Time | m   | Time | m   | Time | m   | Time | m                      |    |   |
|------|---|------|---|------|---|------|---|------|---|------|---|------|------------------------|----|---|
| 1    | 0043 0.51<br>1621 1.50                              | 9    | 0152 1.03<br>0540 0.87<br>TH 1250 1.60<br>2119 0.37 | 17   | 0125 0.67<br>1103 1.10                              | 25   | 0239 1.00<br>0539 0.95<br>SA 1249 1.52<br>2144 0.39 | 1    | 0107 0.71<br>0837 1.21<br>SA 1512 1.03<br>1847 1.10 | 9    | 0331 0.95<br>0619 0.91<br>SU 1339 1.49<br>2223 0.38 | 17   | 0846 1.23<br>1733 0.70 | 25 | 0357 0.98<br>0639 0.94<br>TU 1403 1.51<br>2242 0.38 |
| 2    | 0132 0.57<br>1718 1.41                              | 10   | 0238 1.00<br>0609 0.88<br>FR 1327 1.61<br>2202 0.36 | 18   | 0154 0.72<br>1032 1.13                              | 26   | 1323 1.55<br>2222 0.39                              | 2    | 0125 0.79<br>0857 1.30<br>SU 1656 0.85<br>2041 0.97 | 10   | 0417 0.95<br>0658 0.91<br>MO 1419 1.44<br>2254 0.43 | 18   | 0909 1.29<br>1812 0.59 | 26 | 0440 1.01<br>0743 0.96<br>WE 1451 1.45<br>2313 0.46 |
| 3    | 0224 0.63<br>1838 1.29                              | 11   | 0324 0.97<br>0638 0.89<br>SA 1403 1.59<br>2242 0.39 | 19   | 0226 0.77<br>1027 1.19<br>SU 1817 0.81<br>2229 0.89 | 27   | 0354 0.99<br>0620 0.98<br>MO 1402 1.57<br>2300 0.41 | 3    | 0147 0.85<br>0927 1.40<br>MO 1758 0.67<br>2249 0.91 | 11   | 0519 0.96<br>0740 0.94<br>TU 1456 1.37<br>2320 0.48 | 19   | 0938 1.35<br>1852 0.50 | 27 | 0525 1.07<br>0859 0.97<br>TH 1543 1.35<br>2335 0.55 |
| 4    | 0313 0.70<br>1041 1.16<br>SA 1618 1.06<br>2033 1.16 | 12   | 0415 0.94<br>0702 0.91<br>SU 1439 1.54<br>2320 0.44 | 20   | 0302 0.81<br>1037 1.25<br>MO 1843 0.69              | 28   | 1444 1.55<br>2337 0.46                              | 4    | 0222 0.88<br>1004 1.49<br>TU 1852 0.52              | 12   | 1530 1.29<br>2342 0.54                              | 20   | 1014 1.40<br>1934 0.42 | 28 | 0606 1.14<br>1103 0.97<br>FR 1639 1.21<br>2346 0.65 |
| 5    | 0350 0.76<br>1044 1.26<br>SU 1752 0.87<br>2227 1.09 | 13   | 1514 1.47<br>2355 0.50                              | 21   | 0017 0.91<br>0340 0.85<br>TU 1056 1.31<br>1915 0.59 | 29   | 1530 1.50   | 5    | 0052 0.92<br>0317 0.91<br>WE 1046 1.54<br>1940 0.40 | 13   | 0717 1.02<br>0945 1.00<br>TH 1602 1.18<br>2358 0.60 | 21   | 1056 1.44<br>2015 0.36 | 29 | 0642 1.22<br>1316 0.91<br>SA 1744 1.05<br>2340 0.73 |
| 6    | 0418 0.80<br>1108 1.38<br>MO 1853 0.69<br>2353 1.06 | 14   | 1547 1.39   | 22   | 0111 0.94<br>0416 0.88<br>WE 1119 1.38<br>1951 0.50 | 30   | 0013 0.53<br>1621 1.39                              | 6    | 0140 0.94<br>0411 0.91<br>TH 1129 1.57<br>2027 0.34 | 14   | 0750 1.07<br>1219 1.00<br>FR 1635 1.07              | 22   | 1142 1.48<br>2055 0.33 | 30 | 0716 1.30<br>1516 0.78<br>SU 1903 0.90<br>2311 0.77 |
| 7    | 0444 0.84<br>1139 1.48<br>TU 1945 0.53              | 15   | 0027 0.56<br>1619 1.30                              | 23   | 0147 0.97<br>0448 0.91<br>TH 1146 1.43<br>2028 0.44 | 31   | 0044 0.62<br>0825 1.13<br>FR 1108 1.10<br>1723 1.25 | 7    | 0217 0.95<br>0458 0.91<br>FR 1214 1.56<br>2109 0.32 | 15   | 0005 0.66<br>0810 1.12<br>SA 1500 0.93<br>1717 0.95 | 23   | 1229 1.51<br>2133 0.32 |    |   |
| 8    | 0509 1.05<br>0511 0.86<br>WE 1214 1.56<br>2034 0.42 | 16   | 0057 0.61<br>1647 1.19                              | 24   | 0214 0.99<br>0516 0.94<br>FR 1217 1.48<br>2106 0.40 |      |   | 8    | 0253 0.95<br>0540 0.91<br>SA 1257 1.53<br>2149 0.34 | 16   | 0001 0.72<br>0826 1.17<br>SU 2343 0.76              | 24   | 1316 1.52<br>2209 0.33 |    |   |

## JULY

## AUGUST

| Time | m   | Time | m   | Time | m   | Time | m   | Time | m   | Time | m   | Time | m   |    |   |
|------|---|------|---|------|---|------|---|------|---|------|---|------|---|----|---|
| 1    | 0751 1.38<br>1640 0.64<br>MO 2050 0.79<br>2247 0.77 | 9    | 0347 0.92<br>0714 0.82<br>TU 1414 1.29<br>2225 0.40 | 17   | 0758 1.25<br>1729 0.50                              | 25   | 0352 1.03<br>0824 0.79<br>TH 1504 1.28<br>2235 0.48 | 1    | 0844 1.31<br>1826 0.34                              | 9    | 0351 0.96<br>0937 0.61<br>FR 1526 0.99<br>2156 0.50 | 17   | 0908 1.23<br>1850 0.30                              | 25 | 0410 1.23<br>1147 0.43<br>SU 1652 0.84<br>2116 0.61 |
| 2    | 0832 1.43<br>1746 0.51                              | 10   | 0420 0.94<br>0808 0.82<br>WE 1452 1.23<br>2244 0.45 | 18   | 0841 1.30<br>1825 0.42                              | 26   | 0428 1.11<br>1019 0.76<br>FR 1558 1.15<br>2240 0.58 | 2    | 0952 1.28<br>1918 0.30                              | 10   | 0415 1.00<br>1046 0.60<br>SA 1559 0.91<br>2152 0.55 | 18   | 1026 1.26<br>1935 0.26                              | 26 | 0446 1.26<br>1254 0.42<br>MO 1751 0.72<br>2120 0.62 |
| 3    | 0917 1.46<br>1841 0.40                              | 11   | 0455 0.98<br>0913 0.83<br>TH 1528 1.14<br>2256 0.51 | 19   | 0933 1.34<br>1915 0.35                              | 27   | 0503 1.19<br>1153 0.70<br>SA 1654 1.01<br>2228 0.64 | 3    | 1058 1.25<br>2001 0.28                              | 11   | 0440 1.04<br>1145 0.58<br>SU 1637 0.82<br>2150 0.59 | 19   | 0217 0.78<br>0400 0.77<br>MO 1134 1.28<br>2012 0.26 | 27 | 0524 1.25<br>1410 0.41<br>TU 1913 0.63<br>2117 0.61 |
| 4    | 1009 1.46<br>1931 0.33                              | 12   | 0528 1.02<br>1049 0.83<br>FR 1603 1.04<br>2258 0.57 | 20   | 1033 1.37<br>2000 0.29                              | 28   | 0540 1.26<br>1316 0.63<br>SU 1754 0.86<br>2211 0.67 | 4    | 0219 0.80<br>0452 0.76<br>SU 1158 1.23<br>2039 0.28 | 12   | 0506 1.08<br>1243 0.55<br>MO 1723 0.75<br>2143 0.62 | 20   | 0148 0.82<br>0529 0.71<br>TU 1233 1.29<br>2044 0.30 | 28 | 0608 1.22<br>1535 0.39                              |
| 5    | 1104 1.45<br>2017 0.29                              | 13   | 0558 1.06<br>1217 0.80<br>SA 1642 0.93<br>2249 0.63 | 21   | 1133 1.41<br>2040 0.26                              | 29   | 0618 1.31<br>1447 0.56<br>MO 1907 0.73<br>2202 0.67 | 5    | 0224 0.82<br>0548 0.71<br>MO 1249 1.21<br>2108 0.30 | 13   | 0535 1.11<br>1348 0.52<br>TU 1828 0.67<br>2131 0.63 | 21   | 0206 0.89<br>0637 0.64<br>WE 1328 1.26<br>2110 0.37 | 29 | 0702 1.17<br>1656 0.37                              |
| 6    | 0245 0.88<br>0439 0.87<br>SA 1158 1.42<br>2058 0.29 | 14   | 0625 1.11<br>1338 0.75<br>SU 1732 0.83<br>2237 0.67 | 22   | 0250 0.87<br>0456 0.85<br>MO 1228 1.42<br>2116 0.27 | 30   | 0659 1.34<br>1611 0.47                              | 6    | 0241 0.85<br>0638 0.67<br>TU 1335 1.18<br>2131 0.34 | 14   | 0610 1.14<br>1508 0.48                              | 22   | 0234 0.98<br>0751 0.58<br>TH 1419 1.19<br>2128 0.46 | 30 | 0818 1.11<br>1804 0.34                              |
| 7    | 0253 0.89<br>0536 0.84<br>SU 1247 1.38<br>2132 0.31 | 15   | 0653 1.16<br>1509 0.68<br>MO 1850 0.74<br>2217 0.69 | 23   | 0253 0.90<br>0605 0.83<br>TU 1321 1.42<br>2147 0.31 | 31   | 0746 1.33<br>1724 0.40                              | 7    | 0304 0.88<br>0729 0.64<br>WE 1415 1.13<br>2147 0.39 | 15   | 0656 1.17<br>1637 0.43                              | 23   | 0304 1.08<br>0928 0.52<br>FR 1509 1.09<br>2127 0.54 | 31 | 0950 1.07<br>1854 0.32                              |
| 8    | 0317 0.90<br>0626 0.83<br>MO 1333 1.34<br>2202 0.35 | 16   | 0723 1.21<br>1625 0.59                              | 24   | 0319 0.96<br>0710 0.80<br>WE 1413 1.37<br>2215 0.39 |      |   | 8    | 0327 0.92<br>0827 0.63<br>TH 1451 1.07<br>2157 0.45 | 16   | 0755 1.20<br>1753 0.36                              | 24   | 0336 1.17<br>1042 0.47<br>SA 1600 0.96<br>2116 0.59 |    |   |

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Datum of Predictions is Lowest Astronomical Tide

\* Extra Tides

Moon Phase Symbols ● New Moon ○ First Quarter ○ Full Moon ○ Last Quarter

# AUSTRALIA, NORTH-WEST COAST – DENHAM

LAT 25° 56' S LONG 113° 32' E

# 2024

TIMES AND HEIGHTS OF HIGH AND LOW WATERS

TIME ZONE -0800

## SEPTEMBER

| Time   | m  | Time  | m   | Time   | m   | Time  | m   |
|--|--|---|---|--|---|---|---|
| 1<br>0147 0.74<br>0409 0.71<br>SU 1103 1.05<br>1935 0.31   | 9<br>0331 1.04<br>1114 0.38<br>MO 1623 0.77<br>2058 0.61 | 17<br>0033 0.78<br>0456 0.65<br>TU 1137 1.13<br>1923 0.38 | 25<br>0435 1.18<br>1326 0.36<br>●                         | 2<br>0130 0.76<br>0513 0.64<br>MO 1202 1.04<br>2007 0.33 | 10<br>0350 1.07<br>1203 0.39<br>TU 1706 0.71<br>2056 0.63 | 18<br>0047 0.87<br>0612 0.54<br>WE 1238 1.13<br>○ 1947 0.45 | 26<br>0519 1.10<br>1441 0.40<br>TH                        |
| 3<br>0139 0.79<br>0605 0.57<br>TU 1252 1.03<br>● 2029 0.36 | 11<br>0414 1.09<br>1259 0.40<br>WE<br>○                  | 19<br>0113 0.98<br>0728 0.43<br>TH 1331 1.09<br>1957 0.52 | 27<br>0615 1.02<br>1606 0.42<br>FR                        | 4<br>0155 0.83<br>0657 0.50<br>WE 1335 1.01<br>2042 0.41 | 12<br>0454 1.11<br>1407 0.40<br>TH                        | 20<br>0142 1.09<br>0841 0.34<br>FR 1420 1.02<br>1950 0.58   | 28<br>0747 0.93<br>1722 0.42<br>SA                        |
| 5<br>0212 0.88<br>0751 0.45<br>TH 1413 0.98<br>2044 0.45   | 13<br>0552 1.11<br>1536 0.39<br>FR                       | 21<br>0212 1.18<br>0942 0.27<br>SA 1507 0.93<br>1955 0.60 | 29<br>0106 0.75<br>0336 0.73<br>SU 0949 0.89<br>1813 0.42 | 6<br>0231 0.93<br>0846 0.42<br>FR 1446 0.94<br>2039 0.49 | 14<br>0709 1.10<br>1704 0.36<br>SA                        | 22<br>0244 1.24<br>1037 0.25<br>SU 1554 0.84<br>2010 0.62   | 30<br>0024 0.76<br>0458 0.63<br>MO 1110 0.88<br>1847 0.44 |
| 7<br>0251 0.97<br>0938 0.39<br>SA 1517 0.88<br>2044 0.53   | 15<br>0849 1.10<br>1806 0.34<br>SU                       | 23<br>0319 1.25<br>1130 0.27<br>MO 1644 0.75<br>2028 0.62 |   | 8<br>0311 1.01<br>1026 0.38<br>SU 1547 0.83<br>2053 0.57 | 16<br>1025 1.12<br>1850 0.34<br>MO                        | 24<br>0355 1.23<br>1225 0.31<br>TU 1747 0.67<br>2041 0.63   |   |

## OCTOBER

| Time   | m   | Time  | m   | Time   | m   | Time  | m   |
|--|---|---|---|--|---|---|---|
| 1<br>0028 0.80<br>0558 0.53<br>TU 1209 0.89<br>1905 0.48   | 9<br>0244 1.12<br>1136 0.30<br>WE 1653 0.74<br>2013 0.70  | 17<br>0658 0.37<br>1245 0.98<br>TH 1759 0.64<br>○         | 25<br>0435 1.04<br>1323 0.45<br>FR                        | 2<br>0038 0.84<br>0647 0.43<br>WE 1257 0.89<br>1902 0.51 | 10<br>0317 1.13<br>1226 0.34<br>TH                        | 18<br>0012 1.15<br>0756 0.24<br>FR 1335 0.96<br>1814 0.67 | 26<br>0525 0.93<br>1413 0.51<br>SA 2309 0.81              |
| 3<br>0051 0.89<br>0730 0.35<br>TH 1337 0.89<br>● 1857 0.54 | 11<br>0401 1.12<br>1323 0.38<br>FR<br>○                   | 19<br>0046 1.24<br>0849 0.16<br>SA 1422 0.92<br>1835 0.68 | 27<br>0308 0.79<br>0655 0.82<br>SU 1509 0.55<br>2240 0.84 | 4<br>0109 0.94<br>0811 0.29<br>FR 1410 0.88<br>1909 0.57 | 12<br>0502 1.09<br>1432 0.42<br>SA                        | 20<br>0121 1.29<br>0939 0.14<br>SU 1506 0.86<br>1900 0.69 | 28<br>0514 0.68<br>0938 0.76<br>MO 1555 0.59<br>2247 0.87 |
| 5<br>0128 0.99<br>0851 0.26<br>SA 1439 0.87<br>1927 0.60   | 13<br>0630 1.03<br>1549 0.45<br>SU                        | 21<br>0158 1.30<br>1025 0.16<br>MO 1550 0.81<br>1928 0.69 | 29<br>0559 0.55<br>1125 0.76<br>TU 1623 0.62<br>2256 0.92 | 6<br>0148 1.03<br>0930 0.25<br>SU 1505 0.85<br>1946 0.63 | 14<br>0833 0.98<br>1647 0.49<br>MO 2257 0.83              | 22<br>0236 1.27<br>1110 0.22<br>TU 1641 0.76<br>1955 0.70 | 30<br>0631 0.44<br>1228 0.78<br>WE 1646 0.65<br>2313 0.97 |
| 7<br>0206 1.07<br>1009 0.26<br>MO 1534 0.82<br>2001 0.66   | 15<br>0431 0.68<br>1028 0.97<br>TU 1722 0.54<br>2313 0.93 | 23<br>0315 1.21<br>1154 0.30<br>WE                        | 31<br>0703 0.34<br>1312 0.81<br>TH 1710 0.67<br>2335 1.03 | 8<br>0223 1.09<br>1051 0.27<br>TU 1609 0.79<br>2010 0.68 | 16<br>0551 0.52<br>1144 0.98<br>WE 1744 0.59<br>2340 1.04 | 24<br>0354 1.13<br>1238 0.37<br>TH<br>○                   |   |

## NOVEMBER

| Time   | m   | Time  | m                                  | Time   | m   | Time  | m   |
|--|---|---|------------------------------------|--|---|---|---|
| 1<br>0736 0.26<br>1347 0.84<br>FR 1736 0.69<br>● 2358 1.08 | 9<br>0342 1.15<br>1241 0.42<br>SA<br>○                    | 17<br>0848 0.11<br>1434 0.88<br>SU 1746 0.79              | 25<br>1223 0.61<br>2050 1.00<br>MO | 2<br>0810 0.21<br>1415 0.86<br>SA 1803 0.72              | 10<br>0442 1.07<br>1323 0.51<br>SU 2101 0.90                | 18<br>0042 1.38<br>0933 0.12<br>MO 1513 0.87<br>1823 0.79 | 26<br>0522 0.64<br>0900 0.68<br>TU 1200 0.66<br>2106 1.05 |
| 3<br>0022 1.12<br>0846 0.20<br>SU 1438 0.87<br>1829 0.74   | 11<br>0015 0.86<br>0612 0.96<br>MO 1404 0.59<br>2106 0.97 | 19<br>0125 1.35<br>1014 0.18<br>TU 1557 0.85<br>1901 0.80 | 27<br>0552 0.51<br>2127 1.10<br>WE | 4<br>0046 1.15<br>0922 0.20<br>MO 1500 0.87<br>1852 0.76 | 12<br>0405 0.75<br>0825 0.86<br>TU 1443 0.67<br>2126 1.06   | 20<br>0208 1.29<br>1051 0.25<br>WE 1654 0.84<br>1942 0.81 | 28<br>0621 0.41<br>2152 1.15<br>TH                        |
| 5<br>0110 1.18<br>0959 0.22<br>TU 1528 0.86<br>1912 0.78   | 13<br>0520 0.57<br>1040 0.84<br>WE 1521 0.73<br>2158 1.17 | 21<br>0248 1.21<br>1124 0.33<br>TH                        | 29<br>0652 0.32<br>2219 1.19<br>FR | 6<br>0137 1.20<br>1038 0.25<br>WE 1607 0.85<br>1932 0.80 | 14<br>0617 0.40<br>1211 0.86<br>TH 1558 0.77<br>2235 1.27   | 22<br>0328 1.12<br>1152 0.41<br>FR 1924 0.88<br>2141 0.86 | 30<br>0727 0.25<br>1432 0.85<br>SA 1611 0.84<br>2251 1.23 |
| 7<br>0211 1.21<br>1118 0.29<br>TH 1706 0.83<br>1949 0.82   | 15<br>0711 0.25<br>1308 0.88<br>FR 1634 0.79<br>2316 1.34 | 23<br>0404 1.01<br>1214 0.49<br>SA 2007 0.92<br>○         |                                    | 8<br>0253 1.20<br>1200 0.34<br>FR                        | 16<br>0801 0.15<br>1353 0.89<br>SA 1710 0.80<br>○ 2358 1.38 | 24<br>0032 0.86<br>0442 0.90<br>SU 1225 0.56<br>2034 0.95 |   |

## DECEMBER

| Time   | m   | Time  | m   | Time   | m   | Time  | m                                  |
|--|---|---|---|--|---|---|------------------------------------|
| 1<br>0804 0.21<br>1448 0.88<br>SU 1656 0.86<br>● 2326 1.25 | 9<br>0450 1.03<br>1203 0.60<br>MO 1924 1.13               | 17<br>0019 1.41<br>0925 0.18<br>TU 1530 0.91<br>1805 0.87   | 25<br>0432 0.63<br>0722 0.66<br>WE 0957 0.64<br>1949 1.21 | 2<br>0841 0.20<br>MO                                       | 10<br>0235 0.82<br>0618 0.88<br>TU 1153 0.69<br>1950 1.22 | 18<br>0109 1.35<br>1000 0.23<br>WE 1603 0.92<br>1859 0.87 | 26<br>0517 0.52<br>2015 1.26<br>TH |
| 3<br>0003 1.28<br>0917 0.21<br>TU 1518 0.91<br>1804 0.88   | 11<br>0421 0.65<br>0821 0.77<br>WE 1105 0.73<br>2022 1.32 | 19<br>0155 1.29<br>1030 0.30<br>TH 1644 0.95<br>1957 0.88   | 27<br>0555 0.43<br>2046 1.30<br>FR                        | 4<br>0043 1.29<br>0953 0.23<br>WE 1547 0.92<br>1839 0.89   | 12<br>0526 0.48<br>2101 1.40<br>TH                        | 20<br>0237 1.21<br>1053 0.38<br>FR 1728 0.98<br>2112 0.89 | 28<br>0634 0.35<br>2124 1.33<br>SA |
| 5<br>0125 1.30<br>1028 0.26<br>TH 1635 0.94<br>1927 0.91   | 13<br>0621 0.33<br>2145 1.45<br>FR                        | 21<br>0316 1.11<br>1109 0.45<br>SA 1809 1.02<br>2315 0.88   | 29<br>0715 0.29<br>2208 1.34<br>SU                        | 6<br>0209 1.29<br>1101 0.32<br>FR 1742 0.96<br>2029 0.93   | 14<br>0711 0.22<br>2235 1.46<br>SA                        | 22<br>0352 1.00<br>1113 0.52<br>SU 1841 1.07              | 30<br>0755 0.25<br>2259 1.36<br>MO |
| 7<br>0257 1.24<br>1132 0.40<br>SA 1833 1.00<br>2150 0.94   | 15<br>0800 0.16<br>2327 1.45<br>SU<br>○                   | 23<br>0055 0.83<br>0431 0.88<br>MO 1057 0.58<br>○ 1904 1.11 | 31<br>0834 0.23<br>2352 1.37<br>●                         | 8<br>0348 1.15<br>1154 0.50<br>SU 1902 1.05<br>● 2359 0.91 | 16<br>0844 0.15<br>MO                                     | 24<br>0300 0.75<br>0527 0.76<br>TU 1041 0.62<br>1925 1.16 |                                    |

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Datum of Predictions is Lowest Astronomical Tide

Moon Phase Symbols ● New Moon ○ First Quarter ○ Full Moon ○ Last Quarter









AUSTRALIA, SOUTH COAST – ESPERANCE

LAT 33° 52' S LONG 121° 54' E

2024

TIMES AND HEIGHTS OF HIGH AND LOW WATERS

TIME ZONE -0800

JANUARY

FEBRUARY

Table with columns for Time, m, and days of the month for January and February. Includes moon phase symbols like ● and ○.

MARCH

APRIL

Table with columns for Time, m, and days of the month for March and April. Includes moon phase symbols like ● and ○.

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Datum of Predictions is Lowest Astronomical Tide

\* Extra Tides

Moon Phase Symbols ● New Moon ○ First Quarter ○ Full Moon ● Last Quarter



# AUSTRALIA, SOUTH COAST – ESPERANCE

LAT 33° 52' S    LONG 121° 54' E

# 2024

TIMES AND HEIGHTS OF HIGH AND LOW WATERS

TIME ZONE -0800

## SEPTEMBER

## OCTOBER

| Time                           | m                            | Time                            | m                            | Time                            | m                            | Time                            | m                            | Time                           | m                            | Time                            | m                            | Time                            | m                            | Time                            | m                            |
|--------------------------------|------------------------------|---------------------------------|------------------------------|---------------------------------|------------------------------|---------------------------------|------------------------------|--------------------------------|------------------------------|---------------------------------|------------------------------|---------------------------------|------------------------------|---------------------------------|------------------------------|
| <b>1</b><br>0330<br>SU<br>2313 | 0.54<br>1.12<br>0.34<br>0.69 | <b>9</b><br>0045<br>MO<br>1738  | 1.00<br>0.58<br>0.71<br>0.42 | <b>17</b><br>0401<br>TU<br>2314 | 0.39<br>1.18<br>0.26<br>0.82 | <b>25</b><br>0036<br>WE<br>1643 | 0.94<br>0.82<br>0.82<br>0.22 | <b>1</b><br>0401<br>TU<br>2222 | 0.42<br>0.97<br>0.36<br>0.87 | <b>9</b><br>0035<br>WE<br>1618  | 1.03<br>0.56<br>0.56<br>0.35 | <b>17</b><br>0451<br>TH<br>2246 | 0.26<br>0.85<br>0.39<br>1.07 | <b>25</b><br>0031<br>FR*        | 0.84<br>0.32<br>0.76         |
| <b>2</b><br>0359<br>MO<br>2302 | 0.48<br>1.12<br>0.36<br>0.74 | <b>10</b><br>0109<br>TU<br>1722 | 0.99<br>0.64<br>0.67<br>0.40 | <b>18</b><br>0445<br>WE<br>2328 | 0.33<br>1.10<br>0.33<br>0.89 | <b>26</b><br>0100<br>TH<br>1647 | 0.86<br>0.80<br>0.87<br>0.25 | <b>2</b><br>0429<br>WE<br>2234 | 0.38<br>0.95<br>0.37<br>0.94 | <b>10</b><br>0103<br>TH<br>1559 | 0.97<br>0.32                 | <b>18</b><br>0535<br>FR<br>2304 | 0.24<br>0.71<br>0.44<br>1.13 | <b>26</b><br>0335<br>SA<br>2250 | 0.70<br>0.79<br>0.37<br>0.73 |
| <b>3</b><br>0424<br>TU<br>2309 | 0.44<br>1.10<br>0.37<br>0.81 | <b>11</b><br>0139<br>WE<br>1701 | 0.95<br>0.37                 | <b>19</b><br>0530<br>TH<br>2341 | 0.31<br>0.96<br>0.40<br>0.96 | <b>27</b><br>0843<br>FR*        | 0.92<br>0.29<br>0.71         | <b>3</b><br>0457<br>TH<br>2252 | 0.35<br>0.90<br>0.38<br>1.01 | <b>11</b><br>0148<br>FR<br>1546 | 0.89<br>0.28                 | <b>19</b><br>0621<br>SA<br>2328 | 0.27<br>0.56<br>0.42<br>1.15 | <b>27</b><br>0328<br>SU<br>2148 | 0.63<br>0.80<br>0.40<br>0.76 |
| <b>4</b><br>0448<br>WE<br>2326 | 0.42<br>1.06<br>0.39<br>0.87 | <b>12</b><br>0230<br>TH<br>1639 | 0.90<br>0.32                 | <b>20</b><br>0615<br>FR<br>2359 | 0.34<br>0.80<br>0.46<br>1.01 | <b>28</b><br>0320<br>SA<br>2255 | 0.65<br>0.95<br>0.33<br>0.70 | <b>4</b><br>0527<br>FR<br>2311 | 0.35<br>0.83<br>0.39<br>1.06 | <b>12</b><br>0720<br>SA<br>2247 | 0.89<br>0.25<br>0.71         | <b>20</b><br>0710<br>SU<br>2350 | 0.34<br>0.44<br>0.36<br>1.13 | <b>28</b><br>0317<br>MO<br>2137 | 0.55<br>0.81<br>0.40<br>0.83 |
| <b>5</b><br>0515<br>TH<br>2344 | 0.42<br>1.00<br>0.41<br>0.92 | <b>13</b><br>0754<br>FR<br>1635 | 0.95<br>0.27                 | <b>21</b><br>0702<br>SA<br>1653 | 0.40<br>0.64<br>0.44         | <b>29</b><br>0311<br>SU<br>2227 | 0.56<br>0.97<br>0.35<br>0.74 | <b>5</b><br>0558<br>SA<br>2330 | 0.36<br>0.76<br>0.40<br>1.08 | <b>13</b><br>0817<br>SU<br>2203 | 0.66<br>0.97<br>0.24<br>0.73 | <b>21</b><br>0808<br>MO<br>1454 | 0.43<br>0.44<br>0.27         | <b>29</b><br>0334<br>TU<br>2137 | 0.48<br>0.81<br>0.40<br>0.91 |
| <b>6</b><br>0545<br>FR<br>1755 | 0.43<br>0.92<br>0.42         | <b>14</b><br>0841<br>SA*        | 1.06<br>0.23<br>0.68         | <b>22</b><br>0020<br>SU<br>1618 | 1.04<br>0.50<br>0.55<br>0.36 | <b>30</b><br>0335<br>MO<br>2220 | 0.48<br>0.98<br>0.36<br>0.80 | <b>6</b><br>0630<br>SU<br>2351 | 0.39<br>0.68<br>0.40<br>1.09 | <b>14</b><br>0238<br>MO<br>2200 | 0.53<br>1.03<br>0.25<br>0.80 | <b>22</b><br>0001<br>TU<br>2354 | 1.08<br>0.22<br>1.01         | <b>30</b><br>0401<br>WE<br>2146 | 0.41<br>0.80<br>0.40<br>0.99 |
| <b>7</b><br>0003<br>SA<br>1753 | 0.97<br>0.47<br>0.84<br>0.43 | <b>15</b><br>0234<br>SU<br>2251 | 0.59<br>1.15<br>0.20<br>0.71 | <b>23</b><br>0035<br>MO<br>1600 | 1.03<br>0.27                 |                                 |                              | <b>7</b><br>0703<br>MO<br>1645 | 0.44<br>0.62<br>0.39         | <b>15</b><br>0323<br>TU<br>2215 | 0.41<br>1.03<br>0.28<br>0.89 | <b>23</b><br>1545<br>WE         | 0.22                         | <b>31</b><br>0430<br>TH<br>2202 | 0.36<br>0.77<br>0.40<br>1.07 |
| <b>8</b><br>0024<br>SU<br>1748 | 0.99<br>0.52<br>0.77<br>0.43 | <b>16</b><br>0319<br>MO<br>1707 | 0.48<br>1.20<br>0.22<br>0.76 | <b>24</b><br>0024<br>TU<br>1621 | 1.00<br>0.22                 |                                 |                              | <b>8</b><br>0012<br>TU<br>1633 | 1.07<br>0.49<br>0.58<br>0.37 | <b>16</b><br>0406<br>WE<br>2231 | 0.32<br>0.97<br>0.34<br>0.98 | <b>24</b><br>0011<br>TH<br>1603 | 0.93<br>0.26                 |                                 |                              |

## NOVEMBER

## DECEMBER

| Time                           | m                            | Time                            | m                            | Time                            | m                    | Time                            | m                            | Time                           | m                            | Time                            | m                            | Time                            | m                            | Time                            | m                            |
|--------------------------------|------------------------------|---------------------------------|------------------------------|---------------------------------|----------------------|---------------------------------|------------------------------|--------------------------------|------------------------------|---------------------------------|------------------------------|---------------------------------|------------------------------|---------------------------------|------------------------------|
| <b>1</b><br>0501<br>FR<br>2221 | 0.32<br>0.73<br>0.40<br>1.13 | <b>9</b><br>0208<br>SA<br>1445  | 0.89<br>0.32                 | <b>17</b><br>0640<br>SU<br>2310 | 0.24<br>0.40<br>1.21 | <b>25</b><br>0601<br>MO*        | 0.64<br>0.65<br>0.48<br>0.80 | <b>1</b><br>0546<br>SU<br>2229 | 0.27<br>0.55<br>0.43<br>1.21 | <b>9</b><br>0317<br>MO<br>2019  | 0.76<br>0.45<br>0.75         | <b>17</b><br>0747<br>TU<br>2344 | 0.25<br>1.14                 | <b>25</b><br>0713<br>WE         | 0.50<br>0.90                 |
| <b>2</b><br>0533<br>SA<br>2243 | 0.31<br>0.67<br>0.40<br>1.16 | <b>10</b><br>0602<br>SU<br>2138 | 0.82<br>0.32<br>0.73         | <b>18</b><br>0732<br>MO<br>2339 | 0.30<br>0.33<br>1.16 | <b>26</b><br>0354<br>TU<br>2055 | 0.57<br>0.65<br>0.47<br>0.89 | <b>2</b><br>0620<br>MO<br>2300 | 0.26<br>0.51<br>0.41<br>1.21 | <b>10</b><br>0233<br>TU<br>2019 | 0.62<br>0.65<br>0.47<br>0.87 | <b>18</b><br>0807<br>WE<br>1411 | 0.32<br>0.37<br>0.36         | <b>26</b><br>0536<br>TH         | 0.45<br>0.99                 |
| <b>3</b><br>0606<br>SU<br>2306 | 0.31<br>0.61<br>0.40<br>1.17 | <b>11</b><br>0138<br>MO<br>2105 | 0.64<br>0.84<br>0.33<br>0.81 | <b>19</b><br>1411<br>TU         | 0.28                 | <b>27</b><br>0359<br>WE<br>2101 | 0.49<br>0.64<br>0.47<br>0.98 | <b>3</b><br>0657<br>TU<br>2332 | 0.28<br>0.47<br>0.40<br>1.18 | <b>11</b><br>0340<br>WE<br>2044 | 0.48<br>0.61<br>0.49<br>1.00 | <b>19</b><br>0013<br>TH<br>1509 | 1.07<br>0.38<br>0.42<br>0.38 | <b>27</b><br>0520<br>FR<br>2057 | 0.38<br>0.53<br>0.53<br>1.07 |
| <b>4</b><br>0641<br>MO<br>2331 | 0.33<br>0.55<br>0.39<br>1.15 | <b>12</b><br>0242<br>TU<br>2116 | 0.51<br>0.83<br>0.36<br>0.92 | <b>20</b><br>0000<br>WE<br>2359 | 1.08<br>0.27<br>0.99 | <b>28</b><br>0418<br>TH<br>2116 | 0.42<br>0.63<br>0.46<br>1.07 | <b>4</b><br>0737<br>WE<br>1541 | 0.30<br>0.43<br>0.40         | <b>12</b><br>0430<br>TH<br>2112 | 0.36<br>0.57<br>0.51<br>1.10 | <b>20</b><br>0030<br>FR<br>1550 | 0.99<br>0.43<br>0.48<br>0.42 | <b>28</b><br>0533<br>SA<br>2125 | 0.31<br>0.53<br>0.52<br>1.14 |
| <b>5</b><br>0718<br>TU<br>2359 | 0.37<br>0.49<br>0.38<br>1.11 | <b>13</b><br>0332<br>WE<br>2136 | 0.39<br>0.79<br>0.40<br>1.03 | <b>21</b><br>1524<br>TH         | 0.31                 | <b>29</b><br>0445<br>FR<br>2137 | 0.35<br>0.61<br>0.45<br>1.14 | <b>5</b><br>0007<br>TH<br>1507 | 1.14<br>0.34<br>0.41<br>0.39 | <b>13</b><br>0516<br>FR<br>2141 | 0.26<br>0.53<br>0.51<br>1.18 | <b>21</b><br>0028<br>SA<br>1621 | 0.92<br>0.46<br>0.53<br>0.49 | <b>29</b><br>0550<br>SU<br>2157 | 0.26<br>0.53<br>0.49<br>1.19 |
| <b>6</b><br>0805<br>WE<br>1538 | 0.42<br>0.45<br>0.36         | <b>14</b><br>0419<br>TH<br>2157 | 0.29<br>0.72<br>0.43<br>1.13 | <b>22</b><br>0012<br>FR<br>1540 | 0.92<br>0.37         | <b>30</b><br>0515<br>SA<br>2201 | 0.30<br>0.58<br>0.44<br>1.18 | <b>6</b><br>0045<br>FR<br>0927 | 1.07<br>0.38                 | <b>14</b><br>0601<br>SA<br>2209 | 0.20<br>0.49<br>0.48<br>1.23 | <b>22</b><br>0039<br>SU<br>1635 | 0.86<br>0.47<br>0.57<br>0.57 | <b>30</b><br>0611<br>MO<br>2231 | 0.22<br>0.51<br>0.46<br>1.22 |
| <b>7</b><br>0030<br>TH         | 1.05<br>0.35                 | <b>15</b><br>0505<br>FR<br>2217 | 0.23<br>0.62<br>0.45<br>1.19 | <b>23</b><br>0036<br>SA<br>1509 | 0.84<br>0.43         |                                 |                              | <b>7</b><br>0127<br>SA<br>1230 | 0.99<br>0.40                 | <b>15</b><br>0644<br>SU<br>2239 | 0.18<br>1.23                 | <b>23</b><br>0052<br>MO<br>2232 | 0.79<br>0.48<br>0.73         | <b>31</b><br>0637<br>TU<br>2307 | 0.20<br>0.50<br>0.43<br>1.23 |
| <b>8</b><br>0107<br>FR         | 0.98<br>0.33                 | <b>16</b><br>0551<br>SA<br>1458 | 0.21<br>0.50<br>0.44<br>1.22 | <b>24</b><br>0046<br>SU<br>2214 | 0.76<br>0.48<br>0.74 |                                 |                              | <b>8</b><br>0213<br>SU<br>1307 | 0.88<br>0.42                 | <b>16</b><br>0721<br>MO<br>2312 | 0.20<br>1.20                 | <b>24</b><br>0907<br>TU<br>2016 | 0.49<br>0.81                 |                                 |                              |

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 Datum of Predictions is Lowest Astronomical Tide

\* Extra Tides

**Moon Phase Symbols**    ● New Moon    ● First Quarter    ○ Full Moon    ● Last Quarter



AUSTRALIA, NORTH-WEST COAST – EXMOUTH

LAT 21° 57' S LONG 114° 08' E

2024

TIMES AND HEIGHTS OF HIGH AND LOW WATERS

TIME ZONE -0800

MAY

JUNE

Table of tide times and heights for May and June, showing high and low water times and heights for each day of the month.

JULY

AUGUST

Table of tide times and heights for July and August, showing high and low water times and heights for each day of the month.

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Datum of Predictions is Lowest Astronomical Tide

Moon Phase Symbols ● New Moon ○ First Quarter ○ Full Moon ● Last Quarter









# AUSTRALIA, WEST COAST – FREMANTLE

LAT 32° 03' S LONG 115° 44' E

# 2024

TIMES AND HEIGHTS OF HIGH AND LOW WATERS

TIME ZONE -0800

## SEPTEMBER

| Time | m   | Time | m                                      | Time | m   | Time | m   |
|------|---|------|--|------|---|------|---|
| 1    | 0827 1.07<br>1649 0.59<br>SU 2315 0.76                | 9    | 1035 0.68<br>1127 0.69<br>MO 1554 0.65 | 17   | 0143 0.71<br>0908 1.07<br>TU 1627 0.56<br>2239 0.80 | 25   | 0015 1.02<br>0149 1.01<br>WE 0224 1.01<br>1411 0.45 |
| 2    | 0121 0.74<br>0859 1.06<br>MO 1646 0.62<br>2314 0.78   | 10   | 0013 1.02<br>1359 0.61<br>TU           | 18   | 0300 0.66<br>1013 1.00<br>WE 1640 0.63<br>2257 0.86 | 26   | 0054 0.97<br>0205 0.96<br>TH 0325 0.97<br>1448 0.48 |
| 3    | 0215 0.72<br>0928 1.03<br>TU 1648 0.65<br>2315 0.81   | 11   | 0046 1.02<br>1422 0.56<br>WE           | 19   | 0422 0.63<br>1126 0.90<br>TH 1633 0.70<br>2315 0.93 | 27   | 0433 0.94<br>1517 0.52<br>FR                        |
| 4    | 0303 0.71<br>0953 0.99<br>WE 1640 0.67<br>2315 0.85   | 12   | 0132 1.01<br>1447 0.52<br>TH           | 20   | 0528 0.60<br>1229 0.79<br>FR 1532 0.71<br>2256 1.00 | 28   | 0702 0.93<br>1532 0.56<br>SA 2318 0.77              |
| 5    | 0352 0.70<br>1015 0.93<br>TH 1631 0.68<br>2248 0.89   | 13   | 0430 1.02<br>1512 0.49<br>FR           | 21   | 0816 0.59<br>1331 0.68<br>SA 1502 0.67<br>2257 1.05 | 29   | 0017 0.77<br>0745 0.94<br>SU 1525 0.60<br>2152 0.78 |
| 6    | 0442 0.70<br>1036 0.87<br>FR 1638 0.68<br>2259 0.94   | 14   | 0602 1.05<br>1535 0.47<br>SA           | 22   | 0950 0.55<br>1012 0.55<br>SU 1151 0.53<br>2315 1.07 | 30   | 0129 0.73<br>0821 0.93<br>MO 1524 0.62<br>2145 0.81 |
| 7    | 0533 0.70<br>1058 0.80<br>SA 1643 0.68<br>2320 0.98   | 15   | 0717 1.09<br>1555 0.48<br>SU           | 23   | 1243 0.47<br>2342 1.06<br>MO                        |      |   |
| 8    | 0627 0.70<br>1116 0.74<br>SU 1618 0.68<br>* 2345 1.01 | 16   | 0814 1.09<br>1612 0.51<br>MO 2232 0.76 | 24   | 1329 0.45<br>TU                                     |      |   |

## OCTOBER

| Time | m   | Time | m   | Time | m   | Time | m   |
|------|---|------|---|------|---|------|---|
| 1    | 0231 0.69<br>0856 0.91<br>TU 1522 0.65<br>2141 0.85   | 9    | 1302 0.53<br>WE                                     | 17   | 0400 0.55<br>1048 0.81<br>TH 1436 0.71<br>2123 1.01 | 25   | 0014 0.93<br>1406 0.53<br>FR                          |
| 2    | 0315 0.66<br>0932 0.88<br>WE 1500 0.66<br>2130 0.90   | 10   | 0006 1.02<br>1334 0.50<br>TH                        | 18   | 0504 0.50<br>1152 0.73<br>FR 1402 0.70<br>2136 1.08 | 26   | 0048 0.87<br>1424 0.58<br>SA 2215 0.82                |
| 3    | 0355 0.63<br>1015 0.83<br>TH 1502 0.67<br>2134 0.95   | 11   | 0048 1.00<br>1401 0.48<br>FR                        | 19   | 0702 0.46<br>2155 1.12<br>SA                        | 27   | 0014 0.80<br>0449 0.82<br>SU 1414 0.63<br>* 2040 0.83 |
| 4    | 0434 0.60<br>1109 0.78<br>FR 1514 0.67<br>2151 0.99   | 12   | 0347 0.97<br>1425 0.48<br>SA                        | 20   | 0818 0.43<br>2215 1.13<br>SU                        | 28   | 0208 0.75<br>0719 0.81<br>MO 1358 0.65<br>2027 0.87   |
| 5    | 0514 0.59<br>1205 0.72<br>SA 1517 0.67<br>2213 1.03   | 13   | 0524 0.96<br>1442 0.50<br>SU 2229 0.78              | 21   | 0928 0.43<br>1004 0.43<br>MO 1103 0.43<br>2240 1.10 | 29   | 0243 0.70<br>0817 0.79<br>TU 1333 0.67<br>2023 0.92   |
| 6    | 0556 0.58<br>1257 0.67<br>SU 1446 0.66<br>2237 1.04   | 14   | 0013 0.78<br>0703 0.96<br>MO 1451 0.54<br>2105 0.80 | 22   | 1206 0.42<br>2308 1.06<br>TU                        | 30   | 0318 0.64<br>0922 0.77<br>WE 1325 0.68<br>2024 0.97   |
| 7    | 0648 0.58<br>0735 0.58<br>MO 0859 0.58<br>* 2303 1.05 | 15   | 0134 0.70<br>0816 0.93<br>TU 1500 0.59<br>2106 0.86 | 23   | 1253 0.44<br>2340 1.00<br>WE                        | 31   | 0355 0.59<br>1021 0.75<br>TH 1337 0.68<br>2033 1.02   |
| 8    | 0955 0.56<br>1130 0.57<br>TU 1228 0.57<br>2332 1.04   | 16   | 0257 0.63<br>0937 0.88<br>WE 1507 0.66<br>2114 0.94 | 24   | 1333 0.48<br>TH                                     |      |   |

## NOVEMBER

| Time | m   | Time | m   | Time | m                            | Time | m                            |
|------|---|------|---|------|------------------------------|------|------------------------------|
| 1    | 0433 0.55<br>1112 0.72<br>FR 1351 0.68<br>2050 1.07 | 9    | 0020 0.99<br>1304 0.51<br>SA                        | 17   | 0715 0.35<br>2125 1.19<br>SU | 25   | 0939 0.68<br>1928 0.91<br>MO |
| 2    | 0515 0.51<br>1200 0.69<br>SA 1352 0.68<br>2113 1.09 | 10   | 0108 0.92<br>1316 0.55<br>SU 2137 0.83<br>2336 0.82 | 18   | 0804 0.35<br>2150 1.16<br>MO | 26   | 1010 0.68<br>1926 0.97<br>TU |
| 3    | 0607 0.49<br>2137 1.11<br>SU                        | 11   | 0434 0.86<br>1310 0.59<br>MO 1952 0.86              | 19   | 0852 0.39<br>2215 1.11<br>TU | 27   | 0446 0.65<br>1930 1.02<br>WE |
| 4    | 0730 0.47<br>2204 1.11<br>MO                        | 12   | 0114 0.73<br>0655 0.81<br>TU 1318 0.64<br>1948 0.93 | 20   | 1117 0.45<br>2243 1.05<br>WE | 28   | 0422 0.59<br>1939 1.07<br>TH |
| 5    | 0827 0.47<br>2233 1.09<br>TU                        | 13   | 0245 0.63<br>0908 0.77<br>WE 1323 0.69<br>1956 1.02 | 21   | 1212 0.50<br>2312 0.98<br>TH | 29   | 0444 0.52<br>1958 1.12<br>FR |
| 6    | 0917 0.48<br>2305 1.07<br>WE                        | 14   | 0349 0.53<br>1030 0.74<br>TH 1231 0.72<br>2013 1.10 | 22   | 1251 0.56<br>2339 0.92<br>FR | 30   | 0519 0.47<br>2020 1.15<br>SA |
| 7    | 1010 0.49<br>2341 1.04<br>TH                        | 15   | 0511 0.44<br>2035 1.16<br>FR                        | 23   | 1315 0.61<br>2143 0.87<br>SA |      |                              |
| 8    | 1231 0.50<br>FR                                     | 16   | 0623 0.38<br>2100 1.19<br>SA                        | 24   | 1128 0.66<br>2004 0.86<br>SU |      |                              |

## DECEMBER

| Time | m                                      | Time | m                                      | Time | m                            | Time | m                            |
|------|--|------|--|------|------------------------------|------|------------------------------|
| 1    | 0558 0.43<br>2047 1.17<br>SU           | 9    | 0018 0.87<br>1057 0.63<br>MO 1851 0.89 | 17   | 0744 0.36<br>2145 1.15<br>TU | 25   | 0634 0.61<br>1833 1.02<br>WE |
| 2    | 0638 0.41<br>2116 1.17<br>MO           | 10   | 0900 0.68<br>1845 0.96<br>TU           | 18   | 0815 0.42<br>2208 1.09<br>WE | 26   | 0517 0.57<br>1845 1.07<br>TH |
| 3    | 0718 0.40<br>2147 1.15<br>TU           | 11   | 0348 0.63<br>1850 1.05<br>WE           | 19   | 0838 0.48<br>2230 1.03<br>TH | 27   | 0506 0.52<br>1906 1.12<br>FR |
| 4    | 0800 0.41<br>2220 1.13<br>WE           | 12   | 0427 0.52<br>1911 1.13<br>TH           | 20   | 0854 0.55<br>2253 0.97<br>FR | 28   | 0516 0.46<br>1934 1.16<br>SA |
| 5    | 0842 0.44<br>2254 1.09<br>TH           | 13   | 0508 0.42<br>1940 1.20<br>FR           | 21   | 0736 0.60<br>2306 0.91<br>SA | 29   | 0535 0.42<br>2006 1.18<br>SU |
| 6    | 0923 0.47<br>2328 1.03<br>FR           | 14   | 0549 0.35<br>2013 1.23<br>SA           | 22   | 0730 0.61<br>2115 0.88<br>SU | 30   | 0600 0.39<br>2040 1.20<br>MO |
| 7    | 1003 0.52<br>2359 0.96<br>SA           | 15   | 0630 0.32<br>2045 1.23<br>SU           | 23   | 0737 0.61<br>1833 0.91<br>MO | 31   | 0630 0.37<br>2115 1.19<br>TU |
| 8    | 1035 0.57<br>2133 0.87<br>SU 2253 0.86 | 16   | 0708 0.32<br>2118 1.20<br>MO           | 24   | 0732 0.62<br>1829 0.96<br>TU |      |                              |

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Datum of Predictions is Chart Datum

\* Extra Tides

Moon Phase Symbols ● New Moon ○ First Quarter ○ Full Moon ● Last Quarter

# AUSTRALIA, WEST COAST – GERALDTON

LAT 28° 47' S LONG 114° 36' E

# 2024

TIMES AND HEIGHTS OF HIGH AND LOW WATERS

TIME ZONE -0800

## JANUARY

| Time      | m    | Time | m         | Time | m    | Time      | m    |      |
|-----------|------|------|-----------|------|------|-----------|------|------|
| <b>1</b>  | 0738 | 0.35 | <b>9</b>  | 0513 | 0.22 | <b>17</b> | 0148 | 0.70 |
|           | 1458 | 0.59 |           | 1945 | 1.06 |           | 0746 | 0.44 |
| <b>MO</b> | 1524 | 0.59 |           |      |      | <b>WE</b> | 1516 | 0.76 |
|           | 2240 | 0.81 | <b>TU</b> |      |      | *         |      |      |
| <b>2</b>  | 0756 | 0.38 | <b>10</b> | 0541 | 0.17 | <b>18</b> | 0125 | 0.56 |
|           | 2252 | 0.75 |           | 2028 | 1.09 |           | 0233 | 0.57 |
| <b>TU</b> |      |      | <b>WE</b> |      |      | <b>TH</b> | 0630 | 0.46 |
|           |      |      |           |      |      |           | 1606 | 0.85 |
| <b>3</b>  | 0808 | 0.41 | <b>11</b> | 0608 | 0.13 | <b>19</b> | 0617 | 0.41 |
|           | 1907 | 0.72 |           | 2115 | 1.10 |           | 1659 | 0.92 |
| <b>WE</b> | 2137 | 0.69 | <b>TH</b> |      |      | <b>FR</b> |      |      |
|           | 2245 | 0.69 | ●         |      |      | <b>SA</b> | 1416 | 0.55 |
| <b>4</b>  | 0759 | 0.44 | <b>12</b> | 0637 | 0.13 | <b>20</b> | 0401 | 0.34 |
|           | 1650 | 0.77 |           | 2209 | 1.07 |           | 1748 | 0.97 |
| <b>TH</b> |      |      | <b>FR</b> |      |      | <b>SA</b> |      |      |
| ●         |      |      |           |      |      | <b>SU</b> | 1454 | 0.57 |
| <b>5</b>  | 0707 | 0.44 | <b>13</b> | 0706 | 0.17 | <b>21</b> | 0439 | 0.28 |
|           | 1720 | 0.83 |           | 2311 | 1.02 |           | 1833 | 1.00 |
| <b>FR</b> |      |      | <b>SA</b> |      |      | <b>SU</b> |      |      |
| <b>6</b>  | 0642 | 0.43 | <b>14</b> | 0727 | 0.24 | <b>22</b> | 0512 | 0.24 |
|           | 1751 | 0.90 |           |      |      |           | 1912 | 1.02 |
| <b>SA</b> |      |      | <b>SU</b> |      |      | <b>MO</b> |      |      |
| <b>7</b>  | 0441 | 0.38 | <b>15</b> | 0010 | 0.94 | <b>23</b> | 0537 | 0.23 |
|           | 1826 | 0.96 |           | 0737 | 0.32 |           | 1946 | 1.02 |
| <b>SU</b> |      |      | <b>MO</b> | 1400 | 0.60 | <b>TU</b> |      |      |
|           |      |      |           | 1536 | 0.59 | <b>WE</b> |      |      |
| <b>8</b>  | 0448 | 0.29 | <b>16</b> | 0101 | 0.83 | <b>24</b> | 0547 | 0.24 |
|           | 1904 | 1.02 |           | 0743 | 0.39 |           | 2013 | 1.01 |
| <b>MO</b> |      |      | <b>TU</b> | 1434 | 0.68 | <b>WE</b> |      |      |
|           |      |      | *         | 1642 | 0.65 |           |      |      |

## FEBRUARY

| Time      | m    | Time | m         | Time | m    | Time      | m    |      |
|-----------|------|------|-----------|------|------|-----------|------|------|
| <b>1</b>  | 0711 | 0.44 | <b>9</b>  | 0531 | 0.18 | <b>17</b> | 0443 | 0.37 |
|           | 1434 | 0.79 |           | 2124 | 1.09 |           | 1552 | 0.95 |
| <b>TH</b> | 2056 | 0.64 | <b>FR</b> |      |      | <b>SA</b> |      |      |
| *         | 2220 | 0.65 |           |      |      | <b>SU</b> | 1437 | 0.60 |
| <b>2</b>  | 0556 | 0.45 | <b>10</b> | 0555 | 0.21 | <b>18</b> | 0334 | 0.32 |
|           | 1506 | 0.83 |           | 1155 | 0.58 |           | 1703 | 0.96 |
| <b>FR</b> |      |      | <b>SA</b> | 1342 | 0.56 | <b>SU</b> |      |      |
|           |      |      | ●         | 2233 | 1.04 | <b>MO</b> | 1520 | 0.61 |
| <b>3</b>  | 0551 | 0.43 | <b>11</b> | 0619 | 0.27 | <b>19</b> | 0411 | 0.29 |
|           | 1544 | 0.87 |           | 1215 | 0.63 |           | 1804 | 0.96 |
| <b>SA</b> |      |      | <b>SU</b> | 1451 | 0.56 | <b>MO</b> |      |      |
| ●         |      |      |           | 2330 | 0.96 | <b>TU</b> | 1756 | 0.60 |
| <b>4</b>  | 0536 | 0.40 | <b>12</b> | 0635 | 0.36 | <b>20</b> | 0442 | 0.30 |
|           | 1635 | 0.92 |           | 1240 | 0.69 |           | 1854 | 0.97 |
| <b>SU</b> |      |      | <b>MO</b> | 1558 | 0.58 | <b>TU</b> |      |      |
|           |      |      |           |      |      | <b>WE</b> | 1845 | 0.59 |
| <b>5</b>  | 0352 | 0.35 | <b>13</b> | 0018 | 0.85 | <b>21</b> | 0459 | 0.31 |
|           | 1739 | 0.97 |           | 0638 | 0.43 |           | 1938 | 0.97 |
| <b>MO</b> |      |      | <b>TU</b> | 1307 | 0.77 | <b>WE</b> |      |      |
|           |      |      |           | 1833 | 0.60 | <b>TH</b> | 1933 | 0.58 |
| <b>6</b>  | 0415 | 0.27 | <b>14</b> | 0102 | 0.72 | <b>22</b> | 0457 | 0.33 |
|           | 1838 | 1.03 |           | 0635 | 0.48 |           | 2028 | 0.97 |
| <b>TU</b> |      |      | <b>WE</b> | 1337 | 0.84 | <b>TH</b> |      |      |
|           |      |      |           | 2345 | 0.55 |           |      |      |
| <b>7</b>  | 0443 | 0.22 | <b>15</b> | 0143 | 0.59 | <b>23</b> | 0500 | 0.35 |
|           | 1930 | 1.07 |           | 0513 | 0.48 |           | 2134 | 0.95 |
| <b>WE</b> |      |      | <b>TH</b> | 1412 | 0.90 | <b>FR</b> |      |      |
| <b>8</b>  | 0508 | 0.18 | <b>16</b> | 0049 | 0.45 | <b>24</b> | 0511 | 0.37 |
|           | 2023 | 1.10 |           | 0223 | 0.47 |           | 1123 | 0.66 |
| <b>TH</b> |      |      | <b>FR</b> | 0453 | 0.43 | <b>SA</b> | 1354 | 0.60 |
|           |      |      | ●         | 1455 | 0.94 | ○         | 2225 | 0.93 |

## MARCH

| Time      | m    | Time | m         | Time | m    | Time      | m      |      |
|-----------|------|------|-----------|------|------|-----------|--------|------|
| <b>1</b>  | 0122 | 0.63 | <b>9</b>  | 0440 | 0.31 | <b>17</b> | 0122   | 0.38 |
|           | 0435 | 0.49 |           | 1052 | 0.67 |           | 1439   | 0.98 |
| <b>FR</b> | 1336 | 0.90 | <b>SA</b> | 1328 | 0.63 | <b>SU</b> |        |      |
|           |      |      |           | 2142 | 1.03 | ●         |        |      |
| <b>2</b>  | 0015 | 0.53 | <b>10</b> | 0503 | 0.37 | <b>18</b> | 0242   | 0.37 |
|           | 0156 | 0.56 |           | 1107 | 0.73 |           | 1554   | 0.94 |
| <b>SA</b> | 0438 | 0.47 | <b>SU</b> | 1450 | 0.60 | <b>MO</b> |        |      |
|           | 1403 | 0.92 | ●         | 2242 | 0.96 | <b>TU</b> | 1718   | 0.57 |
| <b>3</b>  | 0054 | 0.46 | <b>11</b> | 0521 | 0.45 | <b>19</b> | 0326   | 0.38 |
|           | 0234 | 0.48 |           | 1131 | 0.81 |           | 1729   | 0.93 |
| <b>SU</b> | 0442 | 0.45 | <b>MO</b> | 1650 | 0.57 | <b>TU</b> |        |      |
| ●         | 1436 | 0.94 |           | 2332 | 0.86 | <b>WE</b> | * 1757 | 0.54 |
| <b>4</b>  | 0138 | 0.40 | <b>12</b> | 0524 | 0.53 | <b>20</b> | 0353   | 0.41 |
|           | 1522 | 0.96 |           | 1155 | 0.89 |           | 1832   | 0.93 |
| <b>MO</b> |      |      | <b>TU</b> | 1756 | 0.54 | <b>WE</b> |        |      |
|           |      |      |           |      |      | <b>TH</b> | 0005   | 0.73 |
| <b>5</b>  | 0229 | 0.35 | <b>13</b> | 0015 | 0.74 | <b>21</b> | 0356   | 0.44 |
|           | 1642 | 0.98 |           | 0501 | 0.56 |           | 1932   | 0.93 |
| <b>TU</b> |      |      | <b>WE</b> | 1222 | 0.96 | <b>TH</b> |        |      |
|           |      |      | *         | 1853 | 0.53 | <b>FR</b> | 1225   | 1.01 |
| <b>6</b>  | 0317 | 0.30 | <b>14</b> | 0055 | 0.62 | <b>22</b> | 0346   | 0.46 |
|           | 1815 | 1.03 |           | 0340 | 0.55 |           | 1020   | 0.72 |
| <b>WE</b> |      |      | <b>TH</b> | 1252 | 1.01 | <b>FR</b> | 1253   | 0.70 |
|           |      |      |           | 2314 | 0.45 | <b>SA</b> | 1248   | 1.02 |
| <b>7</b>  | 0350 | 0.28 | <b>15</b> | 1325 | 1.03 | <b>23</b> | 0353   | 0.48 |
|           | 1921 | 1.06 |           |      |      |           | 1018   | 0.76 |
| <b>TH</b> |      |      | <b>FR</b> |      |      | <b>SA</b> | 1454   | 0.67 |
|           |      |      |           |      |      | <b>SU</b> | 2135   | 0.91 |
| <b>8</b>  | 0416 | 0.28 | <b>16</b> | 0337 | 0.43 | <b>24</b> | 0408   | 0.50 |
|           | 2028 | 1.06 |           | 1359 | 1.01 |           | 1036   | 0.81 |
| <b>FR</b> |      |      | <b>SA</b> |      |      | <b>SU</b> | 1552   | 0.64 |
|           |      |      |           |      |      |           | 2218   | 0.89 |

## APRIL

| Time      | m    | Time | m         | Time | m    | Time      | m      |      |
|-----------|------|------|-----------|------|------|-----------|--------|------|
| <b>1</b>  | 0009 | 0.44 | <b>9</b>  | 0340 | 0.64 | <b>17</b> | 0230   | 0.50 |
|           | 0238 | 0.50 |           | 1043 | 1.02 |           | 1633   | 0.92 |
| <b>MO</b> | 0338 | 0.50 | <b>TU</b> | 1725 | 0.51 | <b>WE</b> |        |      |
|           | 1352 | 1.03 | ●         | 2330 | 0.75 | <b>TH</b> | 1752   | 0.49 |
| <b>2</b>  | 0054 | 0.41 | <b>10</b> | 0254 | 0.65 | <b>18</b> | 0247   | 0.54 |
|           | 1438 | 1.02 |           | 1111 | 1.09 |           | 1749   | 0.90 |
| <b>TU</b> |      |      | <b>WE</b> | 1817 | 0.48 | <b>TH</b> |        |      |
| ●         |      |      |           |      |      | <b>FR</b> | 1830   | 0.48 |
| <b>3</b>  | 0142 | 0.39 | <b>11</b> | 0012 | 0.65 | <b>19</b> | 0224   | 0.57 |
|           | 1555 | 1.01 |           | 0218 | 0.62 |           | 1001   | 0.81 |
| <b>WE</b> |      |      | <b>TH</b> | 1140 | 1.13 | <b>FR</b> | 1305   | 0.79 |
|           |      |      |           | 2145 | 0.43 | <b>SA</b> | * 2200 | 0.48 |
| <b>4</b>  | 0225 | 0.39 | <b>12</b> | 0052 | 0.57 | <b>20</b> | 0224   | 0.59 |
|           | 1752 | 1.02 |           | 0213 | 0.55 |           | 0908   | 0.85 |
| <b>TH</b> |      |      | <b>FR</b> | 1213 | 1.14 | <b>SA</b> | 1422   | 0.74 |
|           |      |      |           | 2241 | 0.41 | <b>SA</b> | 2025   | 0.87 |
| <b>5</b>  | 0255 | 0.40 | <b>13</b> | 1246 | 1.11 | <b>21</b> | 0239   | 0.61 |
|           | 1910 | 1.01 |           | 2336 | 0.41 |           | 0922   | 0.90 |
| <b>FR</b> |      |      | <b>SA</b> |      |      | <b>SU</b> | 1515   | 0.69 |
|           |      |      |           |      |      |           | 2122   | 0.85 |
| <b>6</b>  | 0316 | 0.44 | <b>14</b> | 1318 | 1.07 | <b>22</b> | 0253   | 0.64 |
|           | 0947 | 0.77 |           |      |      |           | 0944   | 0.96 |
| <b>SA</b> | 1338 | 0.71 | <b>SU</b> |      |      | <b>MO</b> | 1558   | 0.63 |
|           | 2035 | 0.98 |           |      |      |           | 2206   | 0.83 |
| <b>7</b>  | 0338 | 0.50 | <b>15</b> | 0038 | 0.44 | <b>23</b> | 0250   | 0.66 |
|           | 0953 | 0.84 |           | 1339 | 1.01 |           | 1007   | 1.01 |
| <b>SU</b> | 1518 | 0.64 | <b>MO</b> |      |      | <b>TU</b> | 1638   | 0.57 |
|           | 2147 | 0.93 |           |      |      |           | 2246   | 0.79 |
| <b>8</b>  | 0354 | 0.57 | <b>16</b> | 0144 | 0.47 | <b>24</b> | 0201   | 0.66 |
|           | 1016 | 0.93 |           | 1344 | 0.96 |           | 1029   | 1.05 |
| <b>MO</b> | 1628 | 0.56 | <b>TU</b> |      |      | <b>WE</b> | 1715   | 0.53 |
|           | 2243 | 0.85 | ●         |      |      | ○         | 2322   | 0.74 |

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 Datum of Predictions is Lowest Astronomical Tide

\* Extra Tides

Moon Phase Symbols   ● New Moon   ○ First Quarter   ○ Full Moon   ● Last Quarter

# AUSTRALIA, WEST COAST – GERALDTON

LAT 28° 47' S LONG 114° 36' E

# 2024

TIMES AND HEIGHTS OF HIGH AND LOW WATERS

TIME ZONE -0800

## MAY

## JUNE

| Time | m   | Time | m                      | Time | m   | Time | m   |
|------|---|------|------------------------|------|---|------|---|
| 1    | 0018 0.46<br>1415 1.06                              | 9    | 1026 1.21<br>2014 0.41 | 17   | 0032 0.65<br>0920 0.87<br>1132 0.86<br>1409 0.88    | 25   | 0112 0.66<br>1032 1.19<br>SA 2026 0.44              |
| 2    | 0102 0.48<br>1532 1.01                              | 10   | 1102 1.21<br>2112 0.40 | 18   | 0034 0.67<br>0754 0.90<br>SA 1331 0.81<br>1746 0.82 | 26   | 0037 0.64<br>0131 0.64<br>SU 1110 1.19<br>2118 0.43 |
| 3    | 0134 0.51<br>1729 0.96                              | 11   | 1138 1.19<br>2205 0.42 | 19   | 0048 0.69<br>0756 0.96<br>SU 1440 0.74<br>2008 0.78 | 27   | 1151 1.17<br>2206 0.44                              |
| 4    | 0146 0.56<br>0829 0.85<br>1259 0.78<br>1901 0.91    | 12   | 1213 1.14<br>2259 0.47 | 20   | 0051 0.71<br>0815 1.01<br>MO 1524 0.66<br>2116 0.77 | 28   | 1233 1.14<br>2253 0.47                              |
| 5    | 0157 0.62<br>0819 0.93<br>SU 1438 0.69<br>2041 0.85 | 13   | 1240 1.08<br>2357 0.52 | 21   | 0019 0.72<br>0837 1.07<br>TU 1603 0.59<br>2203 0.75 | 29   | 1319 1.09<br>2337 0.52                              |
| 6    | 0208 0.67<br>0846 1.03<br>MO 1552 0.59<br>2154 0.80 | 14   | 1217 1.03<br>TU        | 22   | 0018 0.71<br>0859 1.11<br>WE 1642 0.52<br>2243 0.72 | 30   | 1412 1.02<br>TH                                     |
| 7    | 0147 0.71<br>0919 1.11<br>TU 1652 0.50<br>2250 0.74 | 15   | 0051 0.56<br>1242 0.98 | 23   | 0032 0.70<br>0925 1.15<br>TH 1720 0.48              | 31   | 0006 0.58<br>1527 0.93<br>FR 2348 0.64              |
| 8    | 0107 0.71<br>0953 1.17<br>WE 1759 0.45              | 16   | 0122 0.61<br>1320 0.93 | 24   | 0956 1.17<br>1802 0.45<br>FR 2357 0.67              |      |   |

| Time | m   | Time | m                      | Time | m                      | Time | m   |
|------|---|------|------------------------|------|------------------------|------|---|
| 1    | 0639 0.88<br>1200 0.81<br>SA 1710 0.84<br>2356 0.69 | 9    | 1105 1.16<br>2118 0.45 | 17   | 0635 0.99<br>1655 0.65 | 25   | 1147 1.14<br>2042 0.44                              |
| 2    | 0641 0.98<br>1537 0.70<br>SU 1902 0.75              | 10   | 1144 1.11<br>2205 0.51 | 18   | 0657 1.05<br>1644 0.57 | 26   | 1239 1.08<br>2031 0.50                              |
| 3    | 0002 0.73<br>0714 1.07<br>MO 1633 0.59              | 11   | 1115 1.05<br>2024 0.56 | 19   | 0724 1.10<br>1700 0.50 | 27   | 1331 0.99<br>2040 0.56                              |
| 4    | 0751 1.15<br>1723 0.50                              | 12   | 1127 1.00<br>2043 0.60 | 20   | 0757 1.14<br>1735 0.44 | 28   | 1424 0.88<br>2054 0.61                              |
| 5    | 0828 1.20<br>1811 0.43                              | 13   | 1152 0.95<br>2103 0.63 | 21   | 0835 1.17<br>1814 0.39 | 29   | 0429 0.86<br>1348 0.75<br>SA 1524 0.76<br>2037 0.65 |
| 6    | 0905 1.23<br>1857 0.39                              | 14   | 1213 0.89<br>2117 0.65 | 22   | 0918 1.19<br>1855 0.37 | 30   | 0509 0.95<br>1514 0.64<br>SU 1705 0.65<br>1921 0.62 |
| 7    | 0942 1.22<br>1943 0.38                              | 15   | 0716 0.88<br>2116 0.67 | 23   | 1005 1.19<br>1934 0.37 |      |   |
| 8    | 1023 1.20<br>2030 0.41                              | 16   | 0618 0.94<br>2058 0.68 | 24   | 1055 1.18<br>2013 0.39 |      |   |

## JULY

## AUGUST

| Time | m   | Time | m   | Time | m   | Time | m   |
|------|---|------|---|------|---|------|---|
| 1    | 0551 1.03<br>1615 0.53                              | 9    | 0109 0.64<br>0232 0.63<br>TU 1148 1.02<br>1915 0.48 | 17   | 0558 1.00<br>1621 0.44                              | 25   | 0121 0.69<br>0355 0.63<br>TH 1249 0.92<br>1924 0.49 |
| 2    | 0634 1.10<br>1659 0.44                              | 10   | 1025 0.96<br>1929 0.51                              | 18   | 0643 1.05<br>1650 0.38                              | 26   | 0152 0.75<br>0653 0.67<br>FR 1335 0.80<br>1930 0.54 |
| 3    | 0715 1.14<br>1737 0.38                              | 11   | 1039 0.90<br>1945 0.54                              | 19   | 0728 1.09<br>1719 0.33                              | 27   | 0228 0.82<br>1221 0.64<br>SA 1422 0.67<br>1850 0.56 |
| 4    | 0754 1.16<br>1805 0.35                              | 12   | 0242 0.76<br>0439 0.73<br>FR 1334 0.82<br>1959 0.56 | 20   | 0814 1.12<br>1745 0.30                              | 28   | 0311 0.89<br>1331 0.53<br>SU 1518 0.54<br>1746 0.52 |
| 5    | 0830 1.16<br>1828 0.35                              | 13   | 0316 0.81<br>0535 0.78<br>SA 1100 0.78<br>1955 0.58 | 21   | 0905 1.14<br>1811 0.29                              | 29   | 0405 0.94<br>1500 0.43                              |
| 6    | 0906 1.14<br>1852 0.37                              | 14   | 0352 0.86<br>1852 0.58                              | 22   | 0010 0.59<br>0039 0.59<br>MO 1003 1.12<br>1837 0.31 | 30   | 0507 0.99<br>1600 0.36                              |
| 7    | 0947 1.11<br>1911 0.40                              | 15   | 0432 0.91<br>1833 0.56                              | 23   | 0023 0.60<br>0158 0.59<br>TU 1106 1.08<br>1900 0.36 | 31   | 0603 1.02<br>1642 0.32                              |
| 8    | 0050 0.62<br>0142 0.62<br>MO 1051 1.06<br>1911 0.45 | 16   | 0515 0.96<br>1601 0.51                              | 24   | 0051 0.64<br>0257 0.60<br>WE 1201 1.02<br>1916 0.43 |      |   |

| Time | m   | Time | m   | Time | m   | Time | m   |
|------|---|------|---|------|---|------|---|
| 1    | 0653 1.03<br>1713 0.31                              | 9    | 0113 0.73<br>0634 0.62<br>FR 0956 0.75<br>1853 0.49 | 17   | 0711 1.00<br>1627 0.25                              | 25   | 0136 0.87<br>1158 0.40<br>SU 1416 0.46<br>1606 0.43 |
| 2    | 0738 1.03<br>1728 0.32                              | 10   | 0139 0.77<br>0734 0.61<br>SA 1332 0.68<br>1849 0.51 | 18   | 0808 1.03<br>1653 0.25                              | 26   | 0213 0.90<br>1301 0.34                              |
| 3    | 0821 1.02<br>1733 0.33                              | 11   | 0205 0.80<br>1235 0.58<br>SU 1406 0.60<br>1720 0.50 | 19   | 0912 1.03<br>1719 0.27<br>MO 2318 0.58              | 27   | 0259 0.90<br>1423 0.29                              |
| 4    | 0914 1.00<br>1748 0.36                              | 12   | 0234 0.83<br>1313 0.51<br>MO 1444 0.52<br>1722 0.47 | 20   | 0142 0.53<br>1020 1.00<br>TU 1745 0.32<br>2342 0.63 | 28   | 0415 0.88<br>1527 0.27                              |
| 5    | 1021 0.97<br>1800 0.39                              | 13   | 0308 0.86<br>1354 0.44                              | 21   | 0248 0.51<br>1115 0.93<br>WE 1804 0.39              | 29   | 0539 0.88<br>1605 0.28                              |
| 6    | 0000 0.62<br>0220 0.57<br>TU 1109 0.94<br>1810 0.42 | 14   | 0354 0.88<br>1439 0.38                              | 22   | 0008 0.69<br>0405 0.51<br>TH 1203 0.83<br>1812 0.45 | 30   | 0640 0.88<br>1626 0.30                              |
| 7    | 0023 0.66<br>0259 0.57<br>WE 1149 0.88<br>1823 0.45 | 15   | 0500 0.91<br>1522 0.33                              | 23   | 0035 0.76<br>0613 0.50<br>FR 1247 0.71<br>1808 0.50 | 31   | 0736 0.88<br>1623 0.33                              |
| 8    | 0048 0.69<br>0337 0.59<br>TH 0947 0.81<br>1838 0.47 | 16   | 0612 0.95<br>1558 0.28                              | 24   | 0104 0.82<br>0721 0.49<br>SA 1330 0.57<br>1629 0.50 |      |   |

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Datum of Predictions is Lowest Astronomical Tide

Moon Phase Symbols ● New Moon ○ First Quarter ○ Full Moon ● Last Quarter

# AUSTRALIA, WEST COAST – GERALDTON

LAT 28° 47' S LONG 114° 36' E

TIMES AND HEIGHTS OF HIGH AND LOW WATERS

# 2024

TIME ZONE -0800

## SEPTEMBER

| Time     | m                                 | Time      | m                               | Time      | m                               | Time      | m                               |
|----------|-----------------------------------|-----------|---------------------------------|-----------|---------------------------------|-----------|---------------------------------|
| <b>1</b> | 0839<br>1629<br>SU 2235           | <b>9</b>  | 0110<br>0801<br>MO 1607         | <b>17</b> | 0142<br>0924<br>TU 1623<br>2229 | <b>25</b> | 0206<br>1341<br>WE              |
| <b>2</b> | 0114<br>0937<br>MO 1643<br>2253   | <b>10</b> | 0135<br>1224<br>TU 1435<br>1612 | <b>18</b> | 0312<br>1024<br>WE 1642<br>2255 | <b>26</b> | 0310<br>1441<br>TH              |
| <b>3</b> | 0207<br>1022<br>TU 1656<br>2315   | <b>11</b> | 0206<br>1304<br>WE              | <b>19</b> | 0438<br>1115<br>TH 1644<br>2322 | <b>27</b> | 0509<br>1515<br>FR              |
| <b>4</b> | 0302<br>1102<br>WE 1710<br>2339   | <b>12</b> | 0249<br>1347<br>TH              | <b>20</b> | 0537<br>1200<br>FR 1555<br>2348 | <b>28</b> | 0620<br>1518<br>SA 2237<br>0.58 |
| <b>5</b> | 0502<br>1138<br>TH 1725           | <b>13</b> | 0355<br>1428<br>FR              | <b>21</b> | 0905<br>1242<br>SA 1458         | <b>29</b> | 0042<br>0728<br>SU 1507<br>2125 |
| <b>6</b> | 0002<br>0549<br>FR 1212<br>1732   | <b>14</b> | 0541<br>1504<br>SA              | <b>22</b> | 0018<br>0726<br>SU 0817<br>1030 | <b>30</b> | 0201<br>0838<br>MO 1516<br>2138 |
| <b>7</b> | 0024<br>0633<br>SA 1245<br>* 1557 | <b>15</b> | 0659<br>1533<br>SU 2224<br>2327 | <b>23</b> | 0052<br>1128<br>MO              |           |                                 |
| <b>8</b> | 0047<br>0715<br>SU 0937<br>1559   | <b>16</b> | 0810<br>1559<br>MO 2209         | <b>24</b> | 0128<br>1229<br>TU              |           |                                 |

## OCTOBER

| Time     | m                               | Time      | m                               | Time      | m                               | Time      | m                                 |
|----------|---------------------------------|-----------|---------------------------------|-----------|---------------------------------|-----------|-----------------------------------|
| <b>1</b> | 0301<br>0930<br>TU 1530<br>2201 | <b>9</b>  | 0046<br>1138<br>WE              | <b>17</b> | 0406<br>1027<br>TH 1447<br>2159 | <b>25</b> | 0029<br>1352<br>FR                |
| <b>2</b> | 0348<br>1012<br>WE 1543<br>2226 | <b>10</b> | 0121<br>1222<br>TH              | <b>18</b> | 0503<br>1118<br>FR 1411<br>2230 | <b>26</b> | 0117<br>0309<br>SA 0420<br>* 1411 |
| <b>3</b> | 0429<br>1050<br>TH 1542<br>2250 | <b>11</b> | 0206<br>1305<br>FR              | <b>19</b> | 0556<br>2302<br>SA              | <b>27</b> | 0537<br>1331<br>SU 2020           |
| <b>4</b> | 0508<br>1126<br>FR 1442<br>2312 | <b>12</b> | 0310<br>1343<br>SA              | <b>20</b> | 0852<br>1256<br>SU 1327<br>2338 | <b>28</b> | 0128<br>0657<br>MO 1336<br>2016   |
| <b>5</b> | 0544<br>1159<br>SA 1441<br>2332 | <b>13</b> | 0505<br>1412<br>SU 2130<br>2352 | <b>21</b> | 0957<br>MO                      | <b>29</b> | 0230<br>0827<br>TU 1350<br>2038   |
| <b>6</b> | 0620<br>1232<br>SU 1449<br>2353 | <b>14</b> | 0645<br>1432<br>MO 2050         | <b>22</b> | 0014<br>1055<br>TU              | <b>30</b> | 0314<br>0922<br>WE 1356<br>2103   |
| <b>7</b> | 0657<br>0911<br>MO 1013<br>2159 | <b>15</b> | 0139<br>0815<br>TU 1451<br>2103 | <b>23</b> | 0050<br>1155<br>WE              | <b>31</b> | 0353<br>1005<br>TH 1325<br>2127   |
| <b>8</b> | 0738<br>TU                      | <b>16</b> | 0300<br>0930<br>WE 1505<br>2129 | <b>24</b> | 0104<br>1300<br>TH              |           |                                   |

## NOVEMBER

| Time     | m                                 | Time      | m                               | Time      | m                  | Time      | m                               |
|----------|-----------------------------------|-----------|---------------------------------|-----------|--------------------|-----------|---------------------------------|
| <b>1</b> | 0429<br>1044<br>FR 1318<br>● 2147 | <b>9</b>  | 0135<br>1220<br>SA              | <b>17</b> | 0710<br>2216<br>SU | <b>25</b> | 1034<br>1858<br>MO              |
| <b>2</b> | 0505<br>2204<br>SA                | <b>10</b> | 0234<br>1248<br>SU 2038<br>2259 | <b>18</b> | 0821<br>2258<br>MO | <b>26</b> | 0442<br>0541<br>TU 0937<br>1914 |
| <b>3</b> | 0539<br>1153<br>SU 1341<br>2223   | <b>11</b> | 0429<br>1255<br>MO 1925         | <b>19</b> | 0918<br>2337<br>TU | <b>27</b> | 0438<br>1935<br>WE              |
| <b>4</b> | 0614<br>1227<br>MO 1355<br>2117   | <b>12</b> | 0101<br>0628<br>TU 1307<br>1929 | <b>20</b> | 1014<br>2241<br>WE | <b>28</b> | 0346<br>1954<br>TH              |
| <b>5</b> | 0649<br>1304<br>TU 1409<br>2331   | <b>13</b> | 0226<br>0830<br>WE 1319<br>1957 | <b>21</b> | 1111<br>2301<br>TH | <b>29</b> | 0409<br>1028<br>FR 1108<br>2010 |
| <b>6</b> | 0729<br>0855<br>WE 1004<br>2211   | <b>14</b> | 0335<br>0953<br>TH 1251<br>2030 | <b>22</b> | 1210<br>2335<br>FR | <b>30</b> | 0441<br>1103<br>SA 1140<br>2028 |
| <b>7</b> | 0818<br>TH                        | <b>15</b> | 0435<br>1102<br>FR 1148<br>2103 | <b>23</b> | 0952<br>2036<br>SA |           |                                 |
| <b>8</b> | 0051<br>1139<br>FR                | <b>16</b> | 0538<br>2138<br>SA              | <b>24</b> | 1020<br>2004<br>SU |           |                                 |

## DECEMBER

| Time     | m                  | Time      | m                               | Time      | m                  | Time      | m                  |
|----------|--------------------|-----------|---------------------------------|-----------|--------------------|-----------|--------------------|
| <b>1</b> | 0516<br>2054<br>SU | <b>9</b>  | 0002<br>0945<br>MO 1805         | <b>17</b> | 0739<br>2214<br>TU | <b>25</b> | 0712<br>1811<br>WE |
| <b>2</b> | 0552<br>2131<br>MO | <b>10</b> | 0944<br>1808<br>TU              | <b>18</b> | 0811<br>2223<br>WE | <b>26</b> | 0510<br>1835<br>TH |
| <b>3</b> | 0627<br>2216<br>TU | <b>11</b> | 0347<br>0627<br>WE 0754<br>1839 | <b>19</b> | 0753<br>2218<br>TH | <b>27</b> | 0502<br>1902<br>FR |
| <b>4</b> | 0704<br>2301<br>WE | <b>12</b> | 0429<br>1915<br>TH              | <b>20</b> | 0751<br>2233<br>FR | <b>28</b> | 0514<br>1931<br>SA |
| <b>5</b> | 0740<br>2346<br>TH | <b>13</b> | 0508<br>1950<br>FR              | <b>21</b> | 0805<br>2253<br>SA | <b>29</b> | 0531<br>2005<br>SU |
| <b>6</b> | 0814<br>FR         | <b>14</b> | 0544<br>2024<br>SA              | <b>22</b> | 0816<br>1929<br>SU | <b>30</b> | 0553<br>2042<br>MO |
| <b>7</b> | 0031<br>0844<br>SA | <b>15</b> | 0621<br>2059<br>SU              | <b>23</b> | 0801<br>1726<br>MO | <b>31</b> | 0616<br>2122<br>TU |
| <b>8</b> | 0113<br>0915<br>SU | <b>16</b> | 0700<br>2136<br>MO              | <b>24</b> | 0730<br>1747<br>TU |           |                    |

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Datum of Predictions is Lowest Astronomical Tide

\* Extra Tides

**Moon Phase Symbols** ● New Moon ○ First Quarter ○ Full Moon ● Last Quarter

HARVEY ESTUARY

LAT 32°41' S LONG 115°41' E TIME ZONE -0800

TIMES AND HEIGHTS OF HIGH AND LOW WATERS

JANUARY - 2024

Table with 8 columns: Day, Time, m, Day, Time, m, Day, Time, m, Day, Time, m. Includes moon phase icons and tide heights.

HARVEY ESTUARY

LAT 32°41' S LONG 115°41' E TIME ZONE -0800

TIMES AND HEIGHTS OF HIGH AND LOW WATERS

FEBRUARY - 2024

Table with 8 columns: Day, Time, m, Day, Time, m, Day, Time, m, Day, Time, m. Includes moon phase icons and tide heights.

HARVEY ESTUARY

LAT 32°41' S LONG 115°41' E TIME ZONE -0800

TIMES AND HEIGHTS OF HIGH AND LOW WATERS

MARCH - 2024

Table with 8 columns: Day, Time, m, Day, Time, m, Day, Time, m, Day, Time, m. Includes moon phase icons and tide heights.

HARVEY ESTUARY

LAT 32°41' S LONG 115°41' E TIME ZONE -0800

TIMES AND HEIGHTS OF HIGH AND LOW WATERS

APRIL - 2024

Table with 8 columns: Day, Time, m, Day, Time, m, Day, Time, m, Day, Time, m. Includes moon phase icons and tide heights.

### HARVEY ESTUARY

LAT 32°41' S LONG 115°41' E TIME ZONE -0800

TIMES AND HEIGHTS OF HIGH AND LOW WATERS

#### MAY - 2024

| Time  | m                            | Time                                 | m            | Time                                    | m                    | Time                                 | m            |
|---|------------------------------|--------------------------------------|--------------|---|----------------------|--------------------------------------|--------------|
| <b>01</b><br>0425<br>1737<br>WE<br>☾            | 0.52<br>0.91                 | <b>09</b><br>1221<br>2352<br>TH      | 0.90<br>0.50 | <b>17</b><br>0327<br>1248<br>FR         | 0.58<br>0.77         | <b>25</b><br>1301<br><br>SA          | 0.96         |
| <b>02</b><br>0449<br>1857<br>TH                 | 0.54<br>0.88                 | <b>10</b><br>1255<br><br>FR          | 0.91         | <b>18</b><br>0309<br>1119<br>SA         | 0.60<br>0.78         | <b>26</b><br>0006<br>1349<br>SU      | 0.57<br>0.97 |
| <b>03</b><br>0454<br>2011<br>FR                 | 0.56<br>0.83                 | <b>11</b><br>0055<br>1334<br>SA      | 0.50<br>0.91 | <b>19</b><br>0224<br>1055<br>SU         | 0.61<br>0.81         | <b>27</b><br>0105<br>1435<br>MO      | 0.56<br>0.98 |
| <b>04</b><br>0450<br>2130<br>SA                 | 0.59<br>0.77                 | <b>12</b><br>0204<br>1415<br>SU      | 0.51<br>0.90 | <b>20</b><br>0130<br>1045<br>MO         | 0.62<br>0.83         | <b>28</b><br>0206<br>1518<br>TU      | 0.55<br>0.97 |
| <b>05</b><br>0443<br>1118<br>SU<br>1751<br>2255 | 0.62<br>0.77<br>0.64<br>0.70 | <b>13</b><br>0253<br>1456<br>MO      | 0.52<br>0.88 | <b>21</b><br>0055<br>1049<br>TU<br>2141 | 0.61<br>0.87<br>0.60 | <b>29</b><br>0255<br>1559<br>WE      | 0.55<br>0.94 |
| <b>06</b><br>0358<br>1119<br>MO<br>1916         | 0.64<br>0.81<br>0.59         | <b>14</b><br>0320<br>1530<br>TU      | 0.53<br>0.86 | <b>22</b><br>1106<br>2152<br>WE         | 0.90<br>0.60         | <b>30</b><br>0322<br>1637<br>TH      | 0.57<br>0.90 |
| <b>07</b><br>1133<br>2101<br>TU                 | 0.85<br>0.55                 | <b>15</b><br>0336<br>1547<br>WE<br>☽ | 0.54<br>0.83 | <b>23</b><br>1135<br>2226<br>TH<br>☽    | 0.92<br>0.59         | <b>31</b><br>0321<br>1722<br>FR<br>☽ | 0.60<br>0.83 |
| <b>08</b><br>1155<br>2248<br>WE<br>●            | 0.89<br>0.52                 | <b>16</b><br>0341<br>1537<br>TH      | 0.56<br>0.79 | <b>24</b><br>1215<br>2313<br>FR         | 0.94<br>0.58         |                                      |              |

### HARVEY ESTUARY

LAT 32°41' S LONG 115°41' E TIME ZONE -0800

TIMES AND HEIGHTS OF HIGH AND LOW WATERS

#### JUNE - 2024

| Time                                    | m                    | Time                                    | m                    | Time                                 | m            | Time                                    | m                    |
|---|----------------------|---|----------------------|--------------------------------------|--------------|---|----------------------|
| <b>01</b><br>0308<br>1044<br>SA         | 0.64<br>0.79         | <b>09</b><br>0032<br>1335<br>SU         | 0.54<br>0.93         | <b>17</b><br>0925<br>2145<br>MO      | 0.85<br>0.60 | <b>25</b><br>0047<br>1430<br>TU         | 0.53<br>0.97         |
| <b>02</b><br>0202<br>1005<br>SU         | 0.67<br>0.83         | <b>10</b><br>0113<br>1412<br>MO         | 0.54<br>0.91         | <b>18</b><br>0932<br>2123<br>TU      | 0.89<br>0.60 | <b>26</b><br>0126<br>1500<br>WE         | 0.54<br>0.93         |
| <b>03</b><br>0012<br>1004<br>MO<br>2037 | 0.67<br>0.88<br>0.61 | <b>11</b><br>0141<br>1435<br>TU         | 0.54<br>0.89         | <b>19</b><br>0957<br>2133<br>WE      | 0.92<br>0.60 | <b>27</b><br>0149<br>1515<br>TH         | 0.56<br>0.86         |
| <b>04</b><br>1021<br>2120<br>TU         | 0.92<br>0.57         | <b>12</b><br>0159<br>1439<br>WE         | 0.55<br>0.85         | <b>20</b><br>1037<br>2159<br>TH      | 0.94<br>0.60 | <b>28</b><br>0143<br>1443<br>FR         | 0.60<br>0.79         |
| <b>05</b><br>1046<br>2209<br>WE         | 0.94<br>0.54         | <b>13</b><br>0158<br>1416<br>TH         | 0.57<br>0.82         | <b>21</b><br>1126<br>2236<br>FR      | 0.96<br>0.59 | <b>29</b><br>0005<br>0936<br>SA<br>2215 | 0.63<br>0.77<br>0.63 |
| <b>06</b><br>1121<br>2258<br>TH<br>●    | 0.95<br>0.54         | <b>14</b><br>0112<br>1315<br>FR<br>☾    | 0.59<br>0.79         | <b>22</b><br>1216<br>2318<br>SA<br>☽ | 0.98<br>0.57 | <b>30</b><br>0820<br>2106<br>SU         | 0.82<br>0.60         |
| <b>07</b><br>1204<br>2345<br>FR         | 0.95<br>0.54         | <b>15</b><br>0004<br>1121<br>SA<br>2240 | 0.60<br>0.79<br>0.60 | <b>23</b><br>1305<br><br>SU          | 0.99         |   |                      |
| <b>08</b><br>1251<br>SA                 | 0.94                 | <b>16</b><br>0945<br>2206<br>SU         | 0.82<br>0.60         | <b>24</b><br>0003<br>1350<br>MO      | 0.55<br>0.99 |   |                      |

### HARVEY ESTUARY

LAT 32°41' S LONG 115°41' E TIME ZONE -0800

TIMES AND HEIGHTS OF HIGH AND LOW WATERS

#### JULY - 2024

| Time                                 | m            | Time                                    | m                    | Time                                 | m            | Time                                    | m                    |
|--------------------------------------|--------------|---|----------------------|--------------------------------------|--------------|---|----------------------|
| <b>01</b><br>0833<br>2023<br>MO      | 0.87<br>0.56 | <b>09</b><br>0006<br>1346<br>TU         | 0.52<br>0.85         | <b>17</b><br>0842<br>2042<br>WE      | 0.87<br>0.56 | <b>25</b><br>0001<br>1428<br>TH<br>2255 | 0.53<br>0.77<br>0.56 |
| <b>02</b><br>0900<br>2043<br>TU      | 0.90<br>0.54 | <b>10</b><br>0016<br>1345<br>WE<br>2358 | 0.52<br>0.80<br>0.53 | <b>18</b><br>0935<br>2110<br>TH      | 0.90<br>0.56 | <b>26</b><br>1337<br>2117<br>FR         | 0.68<br>0.57         |
| <b>03</b><br>0939<br>2121<br>WE      | 0.92<br>0.53 | <b>11</b><br>1322<br>2257<br>TH         | 0.76<br>0.55         | <b>19</b><br>1031<br>2146<br>FR      | 0.93<br>0.54 | <b>27</b><br>0543<br>2004<br>SA         | 0.69<br>0.54         |
| <b>04</b><br>1026<br>2205<br>TH      | 0.93<br>0.53 | <b>12</b><br>1245<br>2127<br>FR         | 0.74<br>0.54         | <b>20</b><br>1123<br>2225<br>SA      | 0.95<br>0.52 | <b>28</b><br>0608<br>1938<br>SU<br>☽    | 0.75<br>0.50         |
| <b>05</b><br>1118<br>2248<br>FR      | 0.92<br>0.53 | <b>13</b><br>1108<br>2054<br>SA         | 0.72<br>0.53         | <b>21</b><br>1211<br>2301<br>SU<br>☽ | 0.96<br>0.50 | <b>29</b><br>0641<br>1909<br>MO         | 0.80<br>0.48         |
| <b>06</b><br>1209<br>2325<br>SA<br>● | 0.92<br>0.53 | <b>14</b><br>0733<br>2048<br>SU<br>☽    | 0.75<br>0.53         | <b>22</b><br>1254<br>2333<br>MO      | 0.95<br>0.49 | <b>30</b><br>0726<br>1932<br>TU         | 0.83<br>0.46         |
| <b>07</b><br>1254<br>2350<br>SU      | 0.91<br>0.52 | <b>15</b><br>0740<br>2042<br>MO         | 0.80<br>0.54         | <b>23</b><br>1332<br>2357<br>TU      | 0.91<br>0.50 | <b>31</b><br>0827<br>2011<br>WE         | 0.84<br>0.47         |
| <b>08</b><br>1328<br>MO              | 0.88         | <b>16</b><br>0801<br>2030<br>TU         | 0.84<br>0.55         | <b>24</b><br>1406<br><br>WE          | 0.85         |   |                      |

### HARVEY ESTUARY

LAT 32°41' S LONG 115°41' E TIME ZONE -0800

TIMES AND HEIGHTS OF HIGH AND LOW WATERS

#### AUGUST - 2024

| Time                                 | m            | Time                                 | m            | Time  | m                            | Time                                 | m            |
|--------------------------------------|--------------|--------------------------------------|--------------|---|------------------------------|--------------------------------------|--------------|
| <b>01</b><br>0931<br>2053<br>TH      | 0.85<br>0.48 | <b>09</b><br>1215<br>1935<br>FR      | 0.62<br>0.46 | <b>17</b><br>1022<br>2103<br>SA                 | 0.88<br>0.46                 | <b>25</b><br>0350<br>1736<br>SU      | 0.69<br>0.40 |
| <b>02</b><br>1030<br>2133<br>FR      | 0.85<br>0.49 | <b>10</b><br>0350<br>1925<br>SA      | 0.62<br>0.44 | <b>18</b><br>1110<br>2133<br>SU                 | 0.88<br>0.45                 | <b>26</b><br>0429<br>1726<br>MO<br>☽ | 0.72<br>0.38 |
| <b>03</b><br>1122<br>2205<br>SA      | 0.85<br>0.49 | <b>11</b><br>0411<br>1925<br>SU      | 0.67<br>0.45 | <b>19</b><br>1153<br>2153<br>MO                 | 0.87<br>0.45                 | <b>27</b><br>0519<br>1758<br>TU      | 0.74<br>0.38 |
| <b>04</b><br>1205<br>2220<br>SU<br>● | 0.83<br>0.48 | <b>12</b><br>0445<br>1912<br>MO<br>☽ | 0.72<br>0.46 | <b>20</b><br>1232<br>2151<br>TU<br>☽            | 0.82<br>0.46                 | <b>28</b><br>0641<br>1836<br>WE      | 0.74<br>0.39 |
| <b>05</b><br>1238<br>2215<br>MO      | 0.80<br>0.47 | <b>13</b><br>0537<br>1904<br>TU      | 0.75<br>0.48 | <b>21</b><br>1311<br>2115<br>WE                 | 0.75<br>0.48                 | <b>29</b><br>0822<br>1915<br>TH      | 0.75<br>0.41 |
| <b>06</b><br>1258<br>2204<br>TU      | 0.76<br>0.47 | <b>14</b><br>0650<br>1916<br>WE      | 0.78<br>0.48 | <b>22</b><br>0213<br>0617<br>TH<br>1345<br>2021 | 0.54<br>0.49<br>0.65<br>0.49 | <b>30</b><br>0931<br>1948<br>FR      | 0.75<br>0.43 |
| <b>07</b><br>1259<br>2142<br>WE      | 0.70<br>0.47 | <b>15</b><br>0818<br>1946<br>TH      | 0.82<br>0.48 | <b>23</b><br>0245<br>0807<br>FR<br>1406<br>1906 | 0.59<br>0.51<br>0.56<br>0.48 | <b>31</b><br>1025<br>2004<br>SA      | 0.75<br>0.44 |
| <b>08</b><br>1241<br>2029<br>TH      | 0.65<br>0.47 | <b>16</b><br>0927<br>2025<br>FR      | 0.85<br>0.48 | <b>24</b><br>0317<br>1830<br>SA                 | 0.65<br>0.44                 |                                      |              |

Datum of predictions is Harvey Estuary, Low Water 1994 which is 1.156 m below benchmark PWD WA, PHS 7.

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HARVEY ESTUARY

LAT 32°41' S LONG 115°41' E TIME ZONE -0800

TIMES AND HEIGHTS OF HIGH AND LOW WATERS

SEPTEMBER - 2024

Table with 8 columns: Time, m, Time, m, Time, m, Time, m. Contains tide data for September 2024 including high and low water times and heights.

HARVEY ESTUARY

LAT 32°41' S LONG 115°41' E TIME ZONE -0800

TIMES AND HEIGHTS OF HIGH AND LOW WATERS

OCTOBER - 2024

Table with 8 columns: Time, m, Time, m, Time, m, Time, m. Contains tide data for October 2024 including high and low water times and heights.

HARVEY ESTUARY

LAT 32°41' S LONG 115°41' E TIME ZONE -0800

TIMES AND HEIGHTS OF HIGH AND LOW WATERS

NOVEMBER - 2024

Table with 8 columns: Time, m, Time, m, Time, m, Time, m. Contains tide data for November 2024 including high and low water times and heights.

HARVEY ESTUARY

LAT 32°41' S LONG 115°41' E TIME ZONE -0800

TIMES AND HEIGHTS OF HIGH AND LOW WATERS

DECEMBER - 2024

Table with 8 columns: Time, m, Time, m, Time, m, Time, m. Contains tide data for December 2024 including high and low water times and heights.

Datum of predictions is Harvey Estuary, Low Water 1994 which is 1.156 m below benchmark PWD WA, PHS 7.

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# JURIEN BAY – WESTERN AUSTRALIA

LAT 30° 18' S LONG 115° 2' E

# 2024

TIMES AND HEIGHTS OF HIGH AND LOW WATERS

LOCAL TIME

## JANUARY

## FEBRUARY

| Time           | m            | Time            | m            | Time            | m            | Time                            | m                            |
|----------------|--------------|-----------------|--------------|-----------------|--------------|---------------------------------|------------------------------|
| 1 0655<br>2242 | 0.21<br>0.63 | 9 0445<br>1915  | 0.20<br>1.00 | 17 0715<br>1556 | 0.60<br>0.86 | 25 0555<br>2040                 | 0.17<br>0.81                 |
| MO             |              | TU              |              | WE              |              | TH                              |                              |
| 2 0714<br>2230 | 0.25<br>0.61 | 10 0509<br>2008 | 0.16<br>1.03 | 18 0607<br>1552 | 0.62<br>0.96 | 26 0605<br>2114                 | 0.16<br>0.75                 |
| TU             |              | WE              |              | TH<br>●         |              | FR<br>○                         |                              |
| 3 0724<br>1707 | 0.30<br>0.62 | 11 0543<br>2057 | 0.15<br>1.05 | 19 0330<br>1604 | 0.54<br>1.05 | 27 0554<br>1336<br>1439<br>2139 | 0.17<br>0.41<br>0.41<br>0.71 |
| WE             |              | TH<br>●         |              | FR              |              | SA                              |                              |
| 4 0715<br>1656 | 0.35<br>0.71 | 12 0622<br>2139 | 0.17<br>1.05 | 20 0335<br>1630 | 0.44<br>1.09 | 28 0544<br>1328<br>1531<br>2159 | 0.18<br>0.42<br>0.41<br>0.68 |
| TH<br>●        |              | FR              |              | SA              |              | SU                              |                              |
| 5 0644<br>1659 | 0.38<br>0.79 | 13 0703<br>2215 | 0.23<br>1.03 | 21 0358<br>1710 | 0.35<br>1.08 | 29 0547<br>1335<br>1614<br>2213 | 0.20<br>0.46<br>0.44<br>0.65 |
| FR             |              | SA              |              | SU              |              | MO                              |                              |
| 6 0526<br>1711 | 0.37<br>0.86 | 14 0741<br>2243 | 0.31<br>0.97 | 22 0428<br>1801 | 0.27<br>1.03 | 30 0556<br>1349<br>1700<br>2219 | 0.23<br>0.54<br>0.50<br>0.63 |
| SA             |              | SU              |              | MO              |              | TU                              |                              |
| 7 0445<br>1739 | 0.32<br>0.92 | 15 0807<br>2254 | 0.41<br>0.90 | 23 0500<br>1900 | 0.22<br>0.96 | 31 0600<br>1407<br>1803<br>2205 | 0.29<br>0.63<br>0.57<br>0.61 |
| SU             |              | MO              |              | TU              |              | WE                              |                              |
| 8 0436<br>1822 | 0.26<br>0.97 | 16 0807<br>2158 | 0.52<br>0.82 | 24 0530<br>1956 | 0.18<br>0.88 |                                 |                              |
| MO             |              | TU              |              | WE              |              |                                 |                              |

| Time           | m            | Time                            | m                            | Time                            | m                            | Time                            | m                            |
|----------------|--------------|---------------------------------|------------------------------|---------------------------------|------------------------------|---------------------------------|------------------------------|
| 1 0556<br>1423 | 0.35<br>0.73 | 9 0533<br>2106                  | 0.29<br>1.11                 | 17 0232<br>1427                 | 0.48<br>1.11                 | 25 0452<br>1152<br>1528<br>2129 | 0.28<br>0.52<br>0.45<br>0.70 |
| TH             |              | FR                              |                              | SA                              |                              | SU                              |                              |
| 2 0534<br>1439 | 0.41<br>0.83 | 10 0600<br>2145                 | 0.31<br>1.07                 | 18 0258<br>1513                 | 0.43<br>1.11                 | 26 0448<br>1153<br>1605<br>2143 | 0.27<br>0.56<br>0.45<br>0.66 |
| FR             |              | SA<br>●                         |                              | SU                              |                              | MO                              |                              |
| 3 0436<br>1502 | 0.43<br>0.92 | 11 0623<br>1329<br>1448<br>2217 | 0.37<br>0.67<br>0.66<br>1.00 | 19 0330<br>1615                 | 0.40<br>1.06                 | 27 0450<br>1157<br>1645<br>2155 | 0.29<br>0.62<br>0.47<br>0.63 |
| SA<br>●        |              | SU                              |                              | MO                              |                              | TU                              |                              |
| 4 0402<br>1541 | 0.41<br>0.99 | 12 0636<br>1315<br>1602<br>2236 | 0.45<br>0.72<br>0.68<br>0.90 | 20 0406<br>1744                 | 0.37<br>0.98                 | 28 0451<br>1204<br>1734<br>2202 | 0.33<br>0.70<br>0.51<br>0.60 |
| SU             |              | MO                              |                              | TU                              |                              | WE                              |                              |
| 5 0403<br>1640 | 0.38<br>1.04 | 13 0624<br>1316<br>1716<br>2223 | 0.55<br>0.80<br>0.72<br>0.79 | 21 0441<br>1910                 | 0.34<br>0.92                 | 29 0445<br>1216<br>1847<br>2152 | 0.40<br>0.80<br>0.56<br>0.59 |
| MO             |              | TU                              |                              | WE                              |                              | TH                              |                              |
| 6 0417<br>1800 | 0.34<br>1.07 | 14 0535<br>1318                 | 0.61<br>0.90                 | 22 0508<br>2006                 | 0.32<br>0.85                 |                                 |                              |
| TU             |              | WE                              |                              | TH                              |                              |                                 |                              |
| 7 0439<br>1918 | 0.31<br>1.10 | 15 0424<br>1329                 | 0.62<br>1.00                 | 23 0521<br>1210<br>1349<br>2044 | 0.30<br>0.55<br>0.55<br>0.79 |                                 |                              |
| WE             |              | TH                              |                              | FR                              |                              |                                 |                              |
| 8 0505<br>2018 | 0.29<br>1.12 | 16 0223<br>1352                 | 0.55<br>1.08                 | 24 0511<br>1155<br>1446<br>2110 | 0.29<br>0.52<br>0.48<br>0.74 |                                 |                              |
| TH             |              | FR<br>●                         |                              | SA<br>○                         |                              |                                 |                              |

## MARCH

## APRIL

| Time           | m            | Time                            | m                            | Time                            | m                            | Time                            | m                            |
|----------------|--------------|---------------------------------|------------------------------|---------------------------------|------------------------------|---------------------------------|------------------------------|
| 1 0421<br>1235 | 0.46<br>0.90 | 9 0457<br>1205<br>1353<br>2106  | 0.48<br>0.79<br>0.78<br>1.12 | 17 0133<br>1311                 | 0.50<br>1.13                 | 25 0340<br>1037<br>1552<br>2116 | 0.41<br>0.70<br>0.49<br>0.66 |
| FR             |              | SA                              |                              | SU<br>●                         |                              | MO<br>○                         |                              |
| 2 0314<br>1301 | 0.50<br>1.00 | 10 0513<br>1127<br>1517<br>2149 | 0.52<br>0.81<br>0.73<br>1.02 | 18 0211<br>1409                 | 0.50<br>1.08                 | 26 0342<br>1036<br>1631<br>2138 | 0.41<br>0.75<br>0.47<br>0.62 |
| SA             |              | SU<br>●                         |                              | MO                              |                              | TU                              |                              |
| 3 0243<br>1341 | 0.50<br>1.07 | 11 0518<br>1126<br>1621<br>2228 | 0.57<br>0.86<br>0.69<br>0.90 | 19 0250<br>1534                 | 0.51<br>1.01                 | 27 0341<br>1040<br>1713<br>2200 | 0.44<br>0.82<br>0.47<br>0.58 |
| SU<br>●        |              | MO                              |                              | TU                              |                              | WE                              |                              |
| 4 0254<br>1439 | 0.50<br>1.12 | 12 0501<br>1130<br>1732<br>2301 | 0.64<br>0.92<br>0.67<br>0.77 | 20 0330<br>1749                 | 0.51<br>0.94                 | 28 0330<br>1049<br>1802<br>2215 | 0.48<br>0.91<br>0.49<br>0.56 |
| MO             |              | TU                              |                              | WE                              |                              | TH                              |                              |
| 5 0319<br>1608 | 0.49<br>1.15 | 13 0413<br>1133<br>1948<br>2147 | 0.67<br>1.00<br>0.66<br>0.66 | 21 0400<br>1908                 | 0.50<br>0.89                 | 29 0254<br>1105<br>1917<br>2206 | 0.53<br>1.00<br>0.54<br>0.56 |
| TU             |              | WE                              |                              | TH                              |                              | FR                              |                              |
| 6 0348<br>1804 | 0.48<br>1.17 | 14 0011<br>1142                 | 0.66<br>1.08                 | 22 0414<br>1047<br>1334<br>1955 | 0.49<br>0.70<br>0.67<br>0.84 | 30 0034<br>1130                 | 0.55<br>1.08                 |
| WE             |              | TH                              |                              | FR                              |                              | SA                              |                              |
| 7 0415<br>1922 | 0.48<br>1.19 | 15 0026<br>1200                 | 0.57<br>1.13                 | 23 0401<br>1040<br>1430<br>2028 | 0.46<br>0.68<br>0.60<br>0.77 | 31 0038<br>1203                 | 0.56<br>1.15                 |
| TH             |              | FR                              |                              | SA                              |                              | SU                              |                              |
| 8 0437<br>2018 | 0.47<br>1.17 | 16 0059<br>1230                 | 0.51<br>1.15                 | 24 0345<br>1039<br>1514<br>2054 | 0.43<br>0.68<br>0.54<br>0.71 |                                 |                              |
| FR             |              | SA                              |                              | SU                              |                              |                                 |                              |

| Time                           | m                            | Time                           | m                            | Time                            | m                            | Time                            | m                            |
|--------------------------------|------------------------------|--------------------------------|------------------------------|---------------------------------|------------------------------|---------------------------------|------------------------------|
| 1 0109<br>1253                 | 0.57<br>1.19                 | 9 0328<br>1007<br>1732<br>2355 | 0.77<br>1.08<br>0.63<br>0.79 | 17 0143<br>1451                 | 0.61<br>0.96                 | 25 0007<br>0134<br>0940<br>1737 | 0.58<br>0.58<br>1.01<br>0.44 |
| MO                             |                              | TU<br>●                        |                              | WE                              |                              | TH                              |                              |
| 2 0147<br>1406                 | 0.60<br>1.22                 | 10 0232<br>1015<br>1847        | 0.77<br>1.13<br>0.58         | 18 0202<br>1710                 | 0.63<br>0.90                 | 26 0958<br>1826                 | 1.08<br>0.46                 |
| TU<br>●                        |                              | WE                             |                              | TH                              |                              | FR                              |                              |
| 3 0227<br>1557                 | 0.62<br>1.22                 | 11 1025<br>2101                | 1.17<br>0.54                 | 19 0202<br>0937<br>1306<br>1826 | 0.63<br>0.82<br>0.79<br>0.85 | 27 1022<br>1947                 | 1.15<br>0.52                 |
| WE                             |                              | TH                             |                              | FR                              |                              | SA                              |                              |
| 4 0300<br>1800                 | 0.64<br>1.23                 | 12 1040<br>2250                | 1.19<br>0.51                 | 20 0155<br>0928<br>1414<br>1918 | 0.61<br>0.82<br>0.71<br>0.78 | 28 1054<br>2245                 | 1.20<br>0.57                 |
| TH                             |                              | FR                             |                              | SA                              |                              | SU                              |                              |
| 5 0322<br>1912                 | 0.67<br>1.20                 | 13 1101<br>2347                | 1.18<br>0.51                 | 21 0158<br>0927<br>1506<br>2005 | 0.59<br>0.83<br>0.64<br>0.72 | 29 1136<br>2352                 | 1.24<br>0.62                 |
| FR                             |                              | SA                             |                              | SU                              |                              | MO                              |                              |
| 6 0339<br>1025<br>1352<br>2013 | 0.69<br>0.94<br>0.91<br>1.14 | 14 1132                        | 1.15                         | 22 0204<br>0925<br>1547<br>2059 | 0.57<br>0.85<br>0.56<br>0.65 | 30 1231                         | 1.27                         |
| SA                             |                              | SU                             |                              | MO                              |                              | TU                              |                              |
| 7 0350<br>0957<br>1515<br>2113 | 0.71<br>0.97<br>0.81<br>1.03 | 15 0032<br>1215                | 0.54<br>1.09                 | 23 0210<br>0924<br>1624<br>2214 | 0.56<br>0.88<br>0.50<br>0.60 |                                 |                              |
| SU                             |                              | MO                             |                              | TU                              |                              |                                 |                              |
| 8 0353<br>1000<br>1625<br>2221 | 0.74<br>1.03<br>0.72<br>0.91 | 16 0111<br>1319                | 0.58<br>1.03                 | 24 0207<br>0929<br>1659         | 0.56<br>0.94<br>0.45         |                                 |                              |
| MO                             |                              | TU<br>●                        |                              | WE<br>○                         |                              |                                 |                              |

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Datum of Predictions is Lowest Astronomical Tide

Caution: Predictions are of secondary quality

Times are in local standard time (Time Zone UTC +08:00)

Moon Phase Symbols ● New Moon

● First Quarter

○ Full Moon

● Last Quarter



# JURIEN BAY – WESTERN AUSTRALIA

LAT 30° 18' S LONG 115° 2' E

# 2024

TIMES AND HEIGHTS OF HIGH AND LOW WATERS

LOCAL TIME

## MAY

## JUNE

| Time | m  | Time | m                      | Time | m  | Time | m                      |
|------|--|------|------------------------|------|--|------|------------------------|
| 1    | 0039 0.67<br>1345 1.26                           | 9    | 0921 1.24<br>1913 0.46 | 17   | 0846 0.88<br>1250 0.85<br>1340 0.85<br>2330 0.66 | 25   | 0931 1.17<br>1849 0.43 |
| 2    | 0113 0.73<br>1530 1.24                           | 10   | 0940 1.23<br>2029 0.45 | 18   | 0813 0.90<br>2339 0.66                           | 26   | 1006 1.22<br>2015 0.49 |
| 3    | 0134 0.79<br>1734 1.19                           | 11   | 1001 1.19<br>2145 0.47 | 19   | 0804 0.92<br>1637 0.69<br>1757 0.69<br>2338 0.65 | 27   | 1045 1.25<br>2149 0.56 |
| 4    | 0148 0.84<br>0855 1.06<br>1337 1.01<br>1859 1.11 | 12   | 1029 1.14<br>2242 0.51 | 20   | 0803 0.95<br>1626 0.61                           | 28   | 1130 1.27<br>2247 0.63 |
| 5    | 0153 0.88<br>0829 1.11<br>1510 0.89<br>2028 1.00 | 13   | 1103 1.08<br>2321 0.56 | 21   | 0806 0.98<br>1634 0.52                           | 29   | 1217 1.26<br>2323 0.71 |
| 6    | 0138 0.89<br>0836 1.17<br>1618 0.74<br>2221 0.90 | 14   | 1146 1.02<br>2339 0.61 | 22   | 0817 1.02<br>1652 0.45                           | 30   | 1307 1.22<br>2340 0.80 |
| 7    | 0050 0.88<br>0849 1.22<br>1716 0.61              | 15   | 1236 0.97<br>2332 0.64 | 23   | 0835 1.07<br>1719 0.40                           | 31   | 1400 1.15<br>2339 0.88 |
| 8    | 0905 1.24<br>1812 0.52                           | 16   | 1324 0.91<br>2326 0.66 | 24   | 0900 1.12<br>1757 0.40                           |      |                        |

| Time | m  | Time | m                      | Time | m                      | Time | m                      |
|------|--|------|------------------------|------|------------------------|------|------------------------|
| 1    | 0728 1.11<br>1431 1.04<br>1701 1.04<br>2309 0.93 | 9    | 0949 1.09<br>2048 0.43 | 17   | 0622 0.97<br>1804 0.58 | 25   | 1047 1.22<br>2057 0.53 |
| 2    | 0658 1.18<br>1529 0.90<br>1947 0.94<br>2213 0.93 | 10   | 1022 1.03<br>2122 0.48 | 18   | 0634 1.01<br>1711 0.52 | 26   | 1122 1.20<br>2133 0.63 |
| 3    | 0706 1.25<br>1614 0.74                           | 11   | 1055 0.97<br>2123 0.53 | 19   | 0655 1.04<br>1657 0.45 | 27   | 1149 1.15<br>2148 0.73 |
| 4    | 0726 1.29<br>1657 0.60                           | 12   | 1125 0.93<br>2104 0.56 | 20   | 0727 1.08<br>1706 0.39 | 28   | 1146 1.07<br>2127 0.82 |
| 5    | 0751 1.29<br>1740 0.48                           | 13   | 1145 0.88<br>2106 0.58 | 21   | 0806 1.12<br>1733 0.36 | 29   | 0539 1.04<br>2024 0.87 |
| 6    | 0819 1.27<br>1824 0.41                           | 14   | 1104 0.84<br>2113 0.60 | 22   | 0847 1.16<br>1813 0.36 | 30   | 0516 1.14<br>1553 0.82 |
| 7    | 0848 1.22<br>1910 0.38                           | 15   | 0643 0.87<br>2103 0.62 | 23   | 0930 1.19<br>1904 0.39 |      |                        |
| 8    | 0918 1.15<br>2000 0.40                           | 16   | 0620 0.92<br>2005 0.62 | 24   | 1010 1.21<br>2003 0.45 |      |                        |

## JULY

## AUGUST

| Time | m                      | Time | m  | Time | m                      | Time | m  |
|------|------------------------|------|--|------|------------------------|------|--|
| 1    | 0525 1.23<br>1559 0.69 | 9    | 1020 0.88<br>1903 0.41                           | 17   | 0512 1.00<br>1639 0.44 | 25   | 1105 1.02<br>1947 0.64                           |
| 2    | 0550 1.27<br>1627 0.57 | 10   | 1042 0.83<br>1852 0.43                           | 18   | 0603 1.04<br>1648 0.39 | 26   | 0254 0.81<br>0442 0.81<br>1101 0.93<br>1901 0.73 |
| 3    | 0627 1.27<br>1701 0.46 | 11   | 0314 0.60<br>0404 0.60<br>1055 0.79<br>1900 0.45 | 19   | 0705 1.07<br>1708 0.35 | 27   | 0248 0.93<br>1754 0.76                           |
| 4    | 0712 1.23<br>1739 0.39 | 12   | 0323 0.68<br>0516 0.67<br>1055 0.76<br>1907 0.48 | 20   | 0803 1.10<br>1737 0.33 | 28   | 0254 1.04<br>1456 0.69                           |
| 5    | 0759 1.16<br>1817 0.35 | 13   | 0342 0.76<br>0731 0.73<br>0813 0.73<br>1901 0.51 | 21   | 0853 1.13<br>1811 0.33 | 29   | 0316 1.13<br>1504 0.60                           |
| 6    | 0844 1.08<br>1854 0.34 | 14   | 0400 0.84<br>1833 0.54                           | 22   | 0936 1.15<br>1846 0.37 | 30   | 0353 1.18<br>1531 0.52                           |
| 7    | 0922 1.00<br>1924 0.35 | 15   | 0417 0.91<br>1726 0.53                           | 23   | 1014 1.13<br>1919 0.44 | 31   | 0444 1.17<br>1607 0.45                           |
| 8    | 0954 0.93<br>1931 0.38 | 16   | 0439 0.96<br>1643 0.49                           | 24   | 1045 1.09<br>1945 0.53 |      |  |

| Time | m  | Time | m  | Time | m  | Time | m                                   |
|------|--|------|--|------|--|------|-------------------------------------|
| 1    | 0550 1.13<br>1645 0.39                           | 9    | 0040 0.57<br>0505 0.48<br>1026 0.62<br>1735 0.35 | 17   | 0709 1.03<br>1651 0.35                           | 25   | 0027 0.95<br>1319 0.55              |
| 2    | 0705 1.06<br>1724 0.35                           | 10   | 0100 0.65<br>0604 0.53<br>1022 0.59<br>1730 0.40 | 18   | 0808 1.06<br>1715 0.34                           | 26   | 0054 1.03<br>1341 0.48              |
| 3    | 0807 0.98<br>1758 0.32                           | 11   | 0124 0.73<br>1707 0.44                           | 19   | 0855 1.06<br>1738 0.35                           | 27   | 0134 1.06<br>1413 0.44              |
| 4    | 0853 0.90<br>1819 0.31                           | 12   | 0148 0.81<br>1556 0.46                           | 20   | 0936 1.03<br>1758 0.40                           | 28   | 0230 1.05<br>1451 0.41              |
| 5    | 0048 0.51<br>0154 0.51<br>0927 0.83<br>1815 0.31 | 13   | 0219 0.88<br>1525 0.45                           | 21   | 0010 0.62<br>0258 0.59<br>1012 0.97<br>1810 0.47 | 29   | 0352 0.99<br>1534 0.40              |
| 6    | 0027 0.48<br>0259 0.45<br>0951 0.76<br>1745 0.32 | 14   | 0302 0.93<br>1535 0.42                           | 22   | 0007 0.67<br>0357 0.60<br>1041 0.87<br>1800 0.56 | 30   | 0555 0.93<br>1616 0.38              |
| 7    | 0024 0.48<br>0341 0.43<br>1008 0.70<br>1730 0.31 | 15   | 0409 0.96<br>1559 0.40                           | 23   | 0009 0.76<br>0500 0.62<br>1053 0.76<br>1710 0.62 | 31   | 0720 0.87<br>1651 0.35<br>2337 0.57 |
| 8    | 0028 0.51<br>0421 0.44<br>1019 0.66<br>1731 0.32 | 16   | 0545 0.99<br>1625 0.37                           | 24   | 0013 0.86<br>0652 0.66<br>0931 0.66<br>1517 0.63 |      |                                     |

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Datum of Predictions is Lowest Astronomical Tide

Caution: Predictions are of secondary quality

Times are in local standard time (Time Zone UTC +08:00)

Moon Phase Symbols ● New Moon ○ First Quarter ○ Full Moon ○ Last Quarter

# JURIEN BAY – WESTERN AUSTRALIA

LAT 30° 18' S LONG 115° 2' E

# 2024

TIMES AND HEIGHTS OF HIGH AND LOW WATERS

LOCAL TIME

## SEPTEMBER

## OCTOBER

| Time | m   | Time | m                                      | Time | m   | Time | m   |
|------|---|------|--|------|---|------|---|
| 1    | 0035 0.57<br>0814 0.80<br>SU 1709 0.33<br>2256 0.51 | 9    | 0825 0.40<br>0927 0.41<br>MO 1344 0.38 | 17   | 0158 0.60<br>0851 0.93<br>TU 1637 0.43<br>2227 0.66 | 25   | 0007 0.95<br>1322 0.36                              |
| 2    | 0206 0.47<br>0852 0.72<br>MO 1700 0.31<br>2253 0.48 | 10   | 0012 0.81<br>1335 0.38<br>TU           | 18   | 0306 0.53<br>0939 0.85<br>WE 1643 0.48<br>2230 0.72 | 26   | 0109 0.88<br>1403 0.38<br>TH                        |
| 3    | 0251 0.38<br>0919 0.65<br>TU 1630 0.29<br>2253 0.47 | 11   | 0050 0.86<br>1357 0.39<br>WE           | 19   | 0406 0.48<br>1030 0.74<br>TH 1627 0.54<br>2234 0.79 | 27   | 0314 0.81<br>1444 0.39<br>FR                        |
| 4    | 0330 0.33<br>0938 0.57<br>WE 1616 0.26<br>2253 0.49 | 12   | 0151 0.90<br>1432 0.39<br>TH           | 20   | 0510 0.45<br>1147 0.62<br>FR 1530 0.57<br>2240 0.87 | 28   | 0609 0.75<br>1514 0.40<br>SA 2145 0.58              |
| 5    | 0406 0.30<br>0952 0.51<br>TH 1615 0.25<br>2258 0.54 | 13   | 0332 0.92<br>1511 0.39<br>FR           | 21   | 0636 0.44<br>2250 0.93<br>SA                        | 29   | 0053 0.56<br>0716 0.70<br>SU 1526 0.39<br>2130 0.55 |
| 6    | 0444 0.30<br>1003 0.46<br>FR 1615 0.27<br>2308 0.61 | 14   | 0548 0.95<br>1543 0.39<br>SA           | 22   | 1053 0.40<br>2307 0.97<br>SU                        | 30   | 0152 0.46<br>0803 0.63<br>MO 1510 0.36<br>2132 0.53 |
| 7    | 0527 0.32<br>1014 0.43<br>SA 1608 0.31<br>2324 0.68 | 15   | 0706 0.98<br>1606 0.39<br>SU           | 23   | 1157 0.36<br>2331 0.98<br>MO                        |      |   |
| 8    | 0623 0.36<br>1017 0.41<br>SU 1534 0.36<br>2345 0.75 | 16   | 0802 0.97<br>1624 0.41<br>MO 2243 0.63 | 24   | 1241 0.35<br>TU                                     |      |   |

| Time | m   | Time | m   | Time | m   | Time | m   |
|------|---|------|---|------|---|------|---|
| 1    | 0238 0.37<br>0840 0.55<br>TU 1453 0.32<br>2136 0.53 | 9    | 1152 0.32<br>2357 0.87<br>WE                        | 17   | 0405 0.42<br>1026 0.64<br>TH 1429 0.57<br>2118 0.88 | 25   | 1251 0.37<br>FR                                     |
| 2    | 0318 0.29<br>0911 0.46<br>WE 1450 0.28<br>2139 0.54 | 10   | 1244 0.36<br>TH                                     | 18   | 0506 0.33<br>2130 0.92<br>FR                        | 26   | 0138 0.66<br>1259 0.40<br>SA 2044 0.61              |
| 3    | 0354 0.22<br>0940 0.39<br>TH 1453 0.26<br>2143 0.58 | 11   | 0108 0.89<br>1328 0.39<br>FR                        | 19   | 0609 0.27<br>2144 0.96<br>SA                        | 27   | 0056 0.57<br>0531 0.60<br>SU 1249 0.41<br>2015 0.60 |
| 4    | 0428 0.18<br>1012 0.33<br>FR 1452 0.26<br>2150 0.62 | 12   | 0305 0.89<br>1403 0.43<br>SA                        | 20   | 0730 0.24<br>2158 0.96<br>SU                        | 28   | 0149 0.48<br>0643 0.54<br>MO 1243 0.39<br>2015 0.61 |
| 5    | 0502 0.16<br>1107 0.30<br>SA 1436 0.27<br>2203 0.68 | 13   | 0534 0.90<br>1428 0.46<br>SU                        | 21   | 0935 0.24<br>2215 0.95<br>MO                        | 29   | 0240 0.39<br>0742 0.46<br>TU 1246 0.37<br>2021 0.61 |
| 6    | 0541 0.17<br>2221 0.74<br>SU                        | 14   | 0650 0.89<br>1446 0.49<br>MO 2111 0.70              | 22   | 1053 0.25<br>2238 0.90<br>TU                        | 30   | 0323 0.30<br>0851 0.38<br>WE 1253 0.33<br>2027 0.63 |
| 7    | 0630 0.21<br>2244 0.80<br>MO                        | 15   | 0149 0.63<br>0754 0.83<br>TU 1458 0.53<br>2100 0.75 | 23   | 1145 0.28<br>2305 0.83<br>WE                        | 31   | 0356 0.21<br>1023 0.32<br>TH 1253 0.31<br>2034 0.65 |
| 8    | 0758 0.28<br>2314 0.84<br>TU                        | 16   | 0301 0.53<br>0902 0.75<br>WE 1458 0.56<br>2107 0.81 | 24   | 1225 0.33<br>2342 0.75<br>TH                        |      |   |

## NOVEMBER

## DECEMBER

| Time | m                            | Time | m   | Time | m                            | Time | m                            |
|------|------------------------------|------|---|------|------------------------------|------|------------------------------|
| 1    | 0422 0.13<br>2045 0.68<br>FR | 9    | 0039 0.89<br>1210 0.43<br>SA                        | 17   | 0632 0.13<br>2107 0.98<br>SU | 25   | 1016 0.38<br>1858 0.66<br>MO |
| 2    | 0447 0.08<br>2100 0.72<br>SA | 10   | 0203 0.86<br>1231 0.50<br>SU                        | 18   | 0733 0.13<br>2129 0.93<br>MO | 26   | 1007 0.37<br>1900 0.69<br>TU |
| 3    | 0516 0.06<br>2119 0.77<br>SU | 11   | 0450 0.82<br>1242 0.56<br>MO 1951 0.79              | 19   | 0847 0.16<br>2152 0.87<br>TU | 27   | 0423 0.32<br>1908 0.72<br>WE |
| 4    | 0551 0.08<br>2145 0.81<br>MO | 12   | 0149 0.68<br>0639 0.75<br>TU 1237 0.61<br>1938 0.86 | 20   | 0952 0.21<br>2217 0.80<br>WE | 28   | 0428 0.23<br>1920 0.74<br>TH |
| 5    | 0641 0.14<br>2215 0.85<br>TU | 13   | 0302 0.55<br>0828 0.67<br>WE 1200 0.63<br>1947 0.93 | 21   | 1036 0.27<br>2242 0.73<br>TH | 29   | 0432 0.15<br>1937 0.76<br>FR |
| 6    | 0817 0.22<br>2251 0.88<br>WE | 14   | 0400 0.41<br>2004 0.98<br>TH                        | 22   | 1053 0.33<br>2248 0.66<br>FR | 30   | 0442 0.08<br>2000 0.78<br>SA |
| 7    | 1037 0.29<br>2337 0.90<br>TH | 15   | 0452 0.28<br>2025 1.01<br>FR                        | 23   | 1038 0.37<br>2100 0.61<br>SA |      |                              |
| 8    | 1135 0.36<br>FR              | 16   | 0541 0.18<br>2045 1.01<br>SA                        | 24   | 1018 0.38<br>1913 0.63<br>SU |      |                              |

| Time | m                            | Time | m                            | Time | m                            | Time | m                            |
|------|------------------------------|------|------------------------------|------|------------------------------|------|------------------------------|
| 1    | 0500 0.04<br>2027 0.81<br>SU | 9    | 1016 0.58<br>1834 0.84<br>MO | 17   | 0719 0.12<br>2128 0.86<br>TU | 25   | 0611 0.32<br>1733 0.78<br>WE |
| 2    | 0528 0.03<br>2100 0.84<br>MO | 10   | 0922 0.63<br>1813 0.94<br>TU | 18   | 0801 0.16<br>2156 0.79<br>WE | 26   | 0459 0.27<br>1752 0.81<br>TH |
| 3    | 0606 0.06<br>2134 0.87<br>TU | 11   | 0345 0.58<br>1821 1.02<br>WE | 19   | 0829 0.22<br>2219 0.72<br>TH | 27   | 0446 0.21<br>1817 0.83<br>FR |
| 4    | 0700 0.13<br>2211 0.90<br>WE | 12   | 0402 0.44<br>1844 1.08<br>TH | 20   | 0812 0.27<br>2233 0.66<br>FR | 28   | 0445 0.15<br>1852 0.84<br>SA |
| 5    | 0818 0.21<br>2249 0.92<br>TH | 13   | 0435 0.30<br>1914 1.09<br>FR | 21   | 0741 0.30<br>2217 0.61<br>SA | 29   | 0452 0.11<br>1935 0.86<br>SU |
| 6    | 0930 0.30<br>2326 0.92<br>FR | 14   | 0513 0.19<br>1947 1.07<br>SA | 22   | 0742 0.32<br>1744 0.60<br>SU | 30   | 0511 0.08<br>2019 0.89<br>MO |
| 7    | 1013 0.40<br>2355 0.89<br>SA | 15   | 0552 0.12<br>2022 1.01<br>SU | 23   | 0743 0.33<br>1715 0.67<br>MO | 31   | 0540 0.08<br>2101 0.92<br>TU |
| 8    | 1030 0.50<br>2245 0.83<br>SU | 16   | 0635 0.10<br>2056 0.94<br>MO | 24   | 0721 0.34<br>1721 0.73<br>TU |      |                              |

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Datum of Predictions is Lowest Astronomical Tide

Caution: Predictions are of secondary quality

Times are in local standard time (Time Zone UTC +08:00)

Moon Phase Symbols ● New Moon ○ First Quarter ○ Full Moon ● Last Quarter

# MANDURAH – WESTERN AUSTRALIA

LAT 32° 32' S LONG 115° 43' E

# 2024

TIMES AND HEIGHTS OF HIGH AND LOW WATERS

LOCAL TIME

## JANUARY

## FEBRUARY

| Time | m            | Time         | m  | Time         | m            | Time | m            |              |
|------|--------------|--------------|----|--------------|--------------|------|--------------|--------------|
| 1    | 0906<br>2340 | 0.14<br>0.42 | 9  | 0616<br>2020 | 0.10<br>0.64 | 17   | 0702<br>1715 | 0.17<br>0.36 |
| MO   |              |              | TU |              |              | WE   |              |              |
| 2    | 0818<br>2250 | 0.14<br>0.38 | 10 | 0652<br>2109 | 0.09<br>0.65 | 18   | 0655<br>1741 | 0.13<br>0.42 |
| TU   |              |              | WE |              |              | TH   | ☉            |              |
| 3    | 0758<br>2104 | 0.14<br>0.36 | 11 | 0730<br>2202 | 0.09<br>0.64 | 19   | 0619<br>1808 | 0.09<br>0.48 |
| WE   |              |              | TH | ●            |              | FR   |              |              |
| 4    | 0800<br>1845 | 0.14<br>0.39 | 12 | 0806<br>2257 | 0.09<br>0.61 | 20   | 0607<br>1833 | 0.06<br>0.53 |
| TH   | ☉            |              | FR |              |              | SA   |              |              |
| 5    | 0759<br>1839 | 0.15<br>0.45 | 13 | 0835<br>2344 | 0.10<br>0.56 | 21   | 0622<br>1903 | 0.05<br>0.56 |
| FR   |              |              | SA |              |              | SU   |              |              |
| 6    | 0704<br>1837 | 0.15<br>0.51 | 14 | 0852<br>2346 | 0.12<br>0.49 | 22   | 0630<br>1941 | 0.05<br>0.58 |
| SA   |              |              | SU |              |              | MO   |              |              |
| 7    | 0630<br>1902 | 0.14<br>0.57 | 15 | 0901<br>2340 | 0.15<br>0.41 | 23   | 0638<br>2020 | 0.07<br>0.58 |
| SU   |              |              | MO |              |              | TU   |              |              |
| 8    | 0549<br>1938 | 0.12<br>0.61 | 16 | 0900<br>2021 | 0.17<br>0.34 | 24   | 0659<br>2100 | 0.09<br>0.57 |
| MO   |              |              | TU |              |              | WE   |              |              |

| Time | m            | Time         | m  | Time         | m            | Time | m            |              |
|------|--------------|--------------|----|--------------|--------------|------|--------------|--------------|
| 1    | 0700<br>1704 | 0.13<br>0.35 | 9  | 0715<br>2220 | 0.10<br>0.61 | 17   | 0505<br>1700 | 0.05<br>0.48 |
| TH   |              |              | FR |              |              | SA   |              |              |
| 2    | 0701<br>1641 | 0.13<br>0.41 | 10 | 0741<br>2313 | 0.11<br>0.56 | 18   | 0523<br>1800 | 0.04<br>0.51 |
| FR   |              |              | SA | ●            |              | SU   |              |              |
| 3    | 0621<br>1710 | 0.14<br>0.46 | 11 | 0747<br>1245 | 0.13<br>0.24 | 19   | 0541<br>1901 | 0.06<br>0.52 |
| SA   | ☉            |              | SU | 1447         | 0.22         | MO   |              |              |
| 4    | 0611<br>1750 | 0.13<br>0.52 | 12 | 0002<br>0745 | 0.48<br>0.16 | 20   | 0551<br>1952 | 0.09<br>0.53 |
| SU   |              |              | MO | 1323<br>1553 | 0.27<br>0.24 | TU   |              |              |
| 5    | 0517<br>1838 | 0.13<br>0.57 | 13 | 0046<br>0733 | 0.37<br>0.18 | 21   | 0607<br>2035 | 0.11<br>0.52 |
| MO   |              |              | TU | 1404         | 0.31         | WE   |              |              |
| 6    | 0533<br>1932 | 0.11<br>0.61 | 14 | 0552<br>1445 | 0.17<br>0.36 | 22   | 0626<br>2112 | 0.13<br>0.51 |
| TU   |              |              | WE |              |              | TH   |              |              |
| 7    | 0606<br>2030 | 0.10<br>0.63 | 15 | 0544<br>1528 | 0.12<br>0.41 | 23   | 0637<br>2138 | 0.14<br>0.49 |
| WE   |              |              | TH |              |              | FR   |              |              |
| 8    | 0642<br>2126 | 0.09<br>0.63 | 16 | 0523<br>1612 | 0.08<br>0.45 | 24   | 0636<br>1214 | 0.14<br>0.26 |
| TH   |              |              | FR | ●            |              | SA   | 1415         | 0.24         |
|      |              |              |    |              |              |      | 2149         | 0.46         |

## MARCH

## APRIL

| Time | m            | Time         | m  | Time         | m            | Time | m            |              |
|------|--------------|--------------|----|--------------|--------------|------|--------------|--------------|
| 1    | 0553<br>1344 | 0.14<br>0.41 | 9  | 0622<br>1117 | 0.14<br>0.26 | 17   | 0341<br>1601 | 0.07<br>0.48 |
| FR   |              |              | SA | 1335<br>2221 | 0.25<br>0.53 | SU   | ●            |              |
| 2    | 0507<br>1448 | 0.15<br>0.45 | 10 | 0622<br>1134 | 0.17<br>0.29 | 18   | 0411<br>1713 | 0.09<br>0.48 |
| SA   |              |              | SU | 1524<br>2316 | 0.24<br>0.45 | MO   |              |              |
| 3    | 0505<br>1600 | 0.14<br>0.49 | 11 | 0612<br>1204 | 0.19<br>0.33 | 19   | 0433<br>1853 | 0.11<br>0.48 |
| SU   | ☉            |              | MO | 1715         | 0.22         | TU   |              |              |
| 4    | 0409<br>1708 | 0.14<br>0.52 | 12 | 0011<br>0552 | 0.36<br>0.21 | 20   | 0456<br>1945 | 0.14<br>0.48 |
| MO   |              |              | TU | 1238<br>1916 | 0.37<br>0.22 | WE   |              |              |
| 5    | 0427<br>1819 | 0.12<br>0.56 | 13 | 0102<br>0424 | 0.26<br>0.19 | 21   | 0515<br>2028 | 0.16<br>0.47 |
| TU   |              |              | WE | 1313         | 0.42         | TH   |              |              |
| 6    | 0458<br>1930 | 0.12<br>0.59 | 14 | 0415<br>1348 | 0.14<br>0.45 | 22   | 0515<br>1130 | 0.18<br>0.30 |
| WE   |              |              | TH |              |              | FR   | 1231<br>2104 | 0.30<br>0.45 |
| 7    | 0531<br>2030 | 0.11<br>0.60 | 15 | 0130<br>1425 | 0.10<br>0.47 | 23   | 0458<br>1108 | 0.19<br>0.32 |
| TH   |              |              | FR |              |              | SA   | 1402<br>2130 | 0.29<br>0.42 |
| 8    | 0601<br>2126 | 0.12<br>0.58 | 16 | 0233<br>1509 | 0.07<br>0.48 | 24   | 0502<br>1120 | 0.19<br>0.33 |
| FR   |              |              | SA |              |              | SU   | 1520<br>2129 | 0.27<br>0.39 |

| Time | m            | Time         | m  | Time         | m            | Time | m            |              |
|------|--------------|--------------|----|--------------|--------------|------|--------------|--------------|
| 1    | 0231<br>1442 | 0.17<br>0.54 | 9  | 0353<br>1119 | 0.27<br>0.48 | 17   | 0335<br>1717 | 0.19<br>0.47 |
| MO   |              |              | TU | 1911         | 0.20         | WE   |              |              |
| 2    | 0303<br>1630 | 0.16<br>0.55 | 10 | 0020<br>0245 | 0.27<br>0.24 | 18   | 0354<br>1854 | 0.22<br>0.45 |
| TU   | ☉            |              | WE | 1150<br>2108 | 0.52<br>0.17 | TH   |              |              |
| 3    | 0336<br>1752 | 0.15<br>0.56 | 11 | 0115<br>0236 | 0.20<br>0.19 | 19   | 0332<br>1945 | 0.24<br>0.43 |
| WE   |              |              | TH | 1220<br>2346 | 0.55<br>0.13 | FR   |              |              |
| 4    | 0407<br>1908 | 0.16<br>0.57 | 12 | 1251         | 0.56         | 20   | 0323<br>1010 | 0.25<br>0.40 |
| TH   |              |              | FR |              |              | SA   | 1506<br>2034 | 0.35<br>0.41 |
| 5    | 0430<br>2015 | 0.17<br>0.55 | 13 | 0042<br>1326 | 0.11<br>0.55 | 21   | 0325<br>1008 | 0.26<br>0.42 |
| FR   |              |              | SA |              |              | SU   | 1557<br>2129 | 0.32<br>0.38 |
| 6    | 0443<br>1030 | 0.20<br>0.34 | 14 | 0135<br>1407 | 0.12<br>0.54 | 22   | 0256<br>1019 | 0.27<br>0.46 |
| SA   | 1401<br>2121 | 0.31<br>0.50 | SU |              |              | MO   | 1652<br>2226 | 0.29<br>0.34 |
| 7    | 0439<br>1026 | 0.23<br>0.37 | 15 | 0225<br>1457 | 0.14<br>0.51 | 23   | 0238<br>1019 | 0.26<br>0.49 |
| SU   | 1545<br>2226 | 0.27<br>0.43 | MO |              |              | TU   | 1810<br>2316 | 0.27<br>0.31 |
| 8    | 0423<br>1050 | 0.26<br>0.43 | 16 | 0305<br>1557 | 0.16<br>0.49 | 24   | 0245<br>1008 | 0.26<br>0.53 |
| MO   | 1706<br>2325 | 0.23<br>0.35 | TU | ●            |              | WE   | 1922         | 0.25         |
|      |              |              |    |              |              |      | ○            |              |

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Datum of Predictions is Lowest Astronomical Tide

Caution: Predictions are of secondary quality

Times are in local standard time (Time Zone UTC +08:00)

Moon Phase Symbols ● New Moon ○ First Quarter ○ Full Moon ○ Last Quarter

# MANDURAH – WESTERN AUSTRALIA

LAT 32° 32' S LONG 115° 43' E

# 2024

TIMES AND HEIGHTS OF HIGH AND LOW WATERS

LOCAL TIME

## MAY

| Time         | m                            | Time                         | m             | Time         | m            | Time          | m                            |                              |               |              |              |
|--------------|------------------------------|------------------------------|---------------|--------------|--------------|---------------|------------------------------|------------------------------|---------------|--------------|--------------|
| 1<br>WE<br>☉ | 0217<br>1556                 | 0.21<br>0.59                 | 9<br>TH       | 1049<br>2144 | 0.66<br>0.18 | 17<br>FR      | 0202<br>1453                 | 0.30<br>0.47                 | 25<br>SA      | 1037<br>2110 | 0.71<br>0.27 |
| 2<br>TH      | 0246<br>1711                 | 0.22<br>0.57                 | 10<br>FR      | 1122<br>2301 | 0.66<br>0.18 | 18<br>SA      | 0151<br>0940                 | 0.31<br>0.47                 | 26<br>SU      | 1118<br>2258 | 0.71<br>0.27 |
| 3<br>FR      | 0304<br>1822                 | 0.24<br>0.53                 | 11<br>SA      | 1156<br>0000 | 0.65<br>0.19 | 19<br>SU      | 0133<br>0853<br>1554<br>1816 | 0.32<br>0.50<br>0.39<br>0.39 | 27<br>MO      | 1206<br>0014 | 0.70<br>0.27 |
| 4<br>SA      | 0312<br>0955<br>1335<br>1951 | 0.27<br>0.43<br>0.39<br>0.47 | 12<br>SU      | 0000<br>1222 | 0.19<br>0.62 | 20<br>MO      | 0056<br>0859<br>1716<br>1948 | 0.33<br>0.54<br>0.35<br>0.36 | 28<br>TU      | 0014<br>1304 | 0.27<br>0.68 |
| 5<br>SU      | 0256<br>0915<br>1545<br>2134 | 0.31<br>0.47<br>0.33<br>0.41 | 13<br>MO      | 0053<br>1232 | 0.21<br>0.60 | 21<br>TU      | 0057<br>0851<br>1800<br>2249 | 0.34<br>0.59<br>0.31<br>0.35 | 29<br>WE      | 0100<br>1412 | 0.27<br>0.64 |
| 6<br>MO      | 0228<br>0932<br>1729<br>2245 | 0.33<br>0.53<br>0.28<br>0.36 | 14<br>TU      | 0142<br>1254 | 0.23<br>0.57 | 22<br>WE      | 0102<br>0900<br>1844<br>2335 | 0.34<br>0.64<br>0.29<br>0.34 | 30<br>TH      | 0131<br>1517 | 0.28<br>0.59 |
| 7<br>TU      | 0133<br>0956<br>1852<br>2346 | 0.33<br>0.59<br>0.22<br>0.30 | 15<br>WE<br>☉ | 0219<br>1327 | 0.25<br>0.54 | 23<br>TH<br>☉ | 0059<br>0927<br>1929         | 0.34<br>0.67<br>0.28         | 31<br>FR<br>☉ | 0145<br>1619 | 0.31<br>0.53 |
| 8<br>WE<br>☉ | 0100<br>1021<br>2003         | 0.30<br>0.63<br>0.19         | 16<br>TH      | 0240<br>1408 | 0.27<br>0.51 | 24<br>FR      | 1000<br>2015                 | 0.69<br>0.27                 |               |              |              |

## JUNE

| Time         | m                            | Time                         | m             | Time                 | m                    | Time          | m            |              |               |              |              |
|--------------|------------------------------|------------------------------|---------------|----------------------|----------------------|---------------|--------------|--------------|---------------|--------------|--------------|
| 1<br>SA      | 0139<br>0921<br>1459<br>1719 | 0.34<br>0.49<br>0.45<br>0.46 | 9<br>SU       | 1134<br>2315         | 0.69<br>0.27         | 17<br>MO      | 0743<br>1951 | 0.57<br>0.35 | 25<br>TU      | 1243<br>2327 | 0.70<br>0.29 |
| 2<br>SU      | 0038<br>0800<br>1633<br>2045 | 0.37<br>0.54<br>0.38<br>0.38 | 10<br>MO      | 1156                 | 0.65                 | 18<br>TU      | 0739<br>1806 | 0.63<br>0.34 | 26<br>WE      | 1327<br>2356 | 0.65<br>0.31 |
| 3<br>MO      | 0000<br>0812<br>1732         | 0.38<br>0.60<br>0.31         | 11<br>TU      | 0011<br>1207         | 0.28<br>0.62         | 19<br>WE      | 0756<br>1822 | 0.68<br>0.32 | 27<br>TH      | 1330<br>2329 | 0.59<br>0.34 |
| 4<br>TU      | 0828<br>1827                 | 0.66<br>0.26                 | 12<br>WE      | 0058<br>1227         | 0.30<br>0.59         | 20<br>TH      | 0829<br>1859 | 0.71<br>0.31 | 28<br>FR      | 1314<br>2249 | 0.51<br>0.36 |
| 5<br>WE      | 0852<br>1922                 | 0.71<br>0.23                 | 13<br>TH      | 0121<br>1253         | 0.31<br>0.55         | 21<br>FR      | 0910<br>1944 | 0.74<br>0.30 | 29<br>SA<br>☉ | 0846<br>2012 | 0.48<br>0.37 |
| 6<br>TH<br>☉ | 0929<br>2018                 | 0.73<br>0.22                 | 14<br>FR<br>☉ | 0000<br>1318<br>2329 | 0.33<br>0.52<br>0.34 | 22<br>SA<br>☉ | 0958<br>2034 | 0.75<br>0.29 | 30<br>SU      | 0638<br>1939 | 0.54<br>0.33 |
| 7<br>FR      | 1011<br>2118                 | 0.73<br>0.23                 | 15<br>SA      | 0948<br>2201         | 0.49<br>0.35         | 23<br>SU      | 1054<br>2131 | 0.75<br>0.29 |               |              |              |
| 8<br>SA      | 1055<br>2216                 | 0.71<br>0.25                 | 16<br>SU      | 0740<br>2131         | 0.52<br>0.35         | 24<br>MO      | 1151<br>2232 | 0.73<br>0.29 |               |              |              |

## JULY

| Time         | m            | Time         | m             | Time         | m            | Time          | m                            |                              |               |                              |                              |
|--------------|--------------|--------------|---------------|--------------|--------------|---------------|------------------------------|------------------------------|---------------|------------------------------|------------------------------|
| 1<br>MO      | 0652<br>1847 | 0.60<br>0.29 | 9<br>TU       | 1127<br>2210 | 0.61<br>0.29 | 17<br>WE      | 0650<br>1802                 | 0.63<br>0.30                 | 25<br>TH      | 1336<br>2122                 | 0.52<br>0.31                 |
| 2<br>TU      | 0713<br>1859 | 0.66<br>0.25 | 10<br>WE      | 1139<br>2203 | 0.57<br>0.30 | 18<br>TH      | 0731<br>1825                 | 0.67<br>0.29                 | 26<br>FR      | 0306<br>0507<br>1413<br>2046 | 0.37<br>0.36<br>0.43<br>0.33 |
| 3<br>WE      | 0745<br>1910 | 0.70<br>0.24 | 11<br>TH      | 1200<br>2150 | 0.54<br>0.31 | 19<br>FR      | 0822<br>1905                 | 0.70<br>0.28                 | 27<br>SA      | 0352<br>1845                 | 0.42<br>0.29                 |
| 4<br>TH      | 0829<br>1936 | 0.72<br>0.24 | 12<br>FR      | 1224<br>2001 | 0.49<br>0.31 | 20<br>SA      | 0918<br>1949                 | 0.72<br>0.27                 | 28<br>SU<br>☉ | 0433<br>1824                 | 0.48<br>0.25                 |
| 5<br>FR      | 0918<br>2013 | 0.72<br>0.25 | 13<br>SA      | 0954<br>1959 | 0.46<br>0.30 | 21<br>SU<br>☉ | 1015<br>2033                 | 0.72<br>0.26                 | 29<br>MO      | 0513<br>1747                 | 0.54<br>0.21                 |
| 6<br>SA<br>☉ | 1005<br>2051 | 0.71<br>0.26 | 14<br>SU<br>☉ | 0621<br>2004 | 0.47<br>0.31 | 22<br>MO      | 1108<br>2113                 | 0.71<br>0.26                 | 30<br>TU      | 0556<br>1807                 | 0.58<br>0.19                 |
| 7<br>SU      | 1047<br>2130 | 0.68<br>0.28 | 15<br>MO      | 0622<br>1943 | 0.52<br>0.31 | 23<br>TU      | 1200<br>2138                 | 0.67<br>0.27                 | 31<br>WE      | 0647<br>1832                 | 0.62<br>0.20                 |
| 8<br>MO      | 1116<br>2200 | 0.65<br>0.29 | 16<br>TU      | 0621<br>1900 | 0.58<br>0.31 | 24<br>WE      | 0129<br>0256<br>1249<br>2131 | 0.31<br>0.31<br>0.60<br>0.29 |               |                              |                              |

## AUGUST

| Time         | m                            | Time                         | m             | Time                         | m                            | Time          | m                            |                              |               |              |              |
|--------------|------------------------------|------------------------------|---------------|------------------------------|------------------------------|---------------|------------------------------|------------------------------|---------------|--------------|--------------|
| 1<br>TH      | 0745<br>1854                 | 0.64<br>0.21                 | 9<br>FR       | 0230<br>0506<br>1133<br>1836 | 0.32<br>0.31<br>0.41<br>0.24 | 17<br>SA      | 0824<br>1840                 | 0.63<br>0.21                 | 25<br>SU      | 0245<br>1613 | 0.43<br>0.17 |
| 2<br>FR      | 0837<br>1916                 | 0.64<br>0.22                 | 10<br>SA      | 0253<br>0612<br>0912<br>1843 | 0.35<br>0.33<br>0.36<br>0.24 | 18<br>SU      | 0918<br>1919                 | 0.64<br>0.21                 | 26<br>MO<br>☉ | 0328<br>1506 | 0.47<br>0.12 |
| 3<br>SA      | 0924<br>1944                 | 0.63<br>0.24                 | 11<br>SU      | 0315<br>0736<br>0830<br>1849 | 0.39<br>0.36<br>0.36<br>0.24 | 19<br>MO      | 1011<br>1950<br>2333         | 0.63<br>0.21<br>0.27         | 27<br>TU      | 0416<br>1606 | 0.49<br>0.11 |
| 4<br>SU<br>☉ | 1004<br>2009                 | 0.61<br>0.25                 | 12<br>MO<br>☉ | 0345<br>1757                 | 0.44<br>0.24                 | 20<br>TU<br>☉ | 0137<br>1103<br>2004         | 0.25<br>0.58<br>0.23         | 28<br>WE      | 0518<br>1655 | 0.51<br>0.12 |
| 5<br>MO      | 1034<br>2027                 | 0.58<br>0.25                 | 13<br>TU      | 0429<br>1752                 | 0.48<br>0.24                 | 21<br>WE      | 0007<br>0249<br>1157<br>1948 | 0.28<br>0.24<br>0.51<br>0.25 | 29<br>TH      | 0653<br>1727 | 0.52<br>0.15 |
| 6<br>TU      | 0043<br>0231<br>1044<br>2031 | 0.29<br>0.29<br>0.54<br>0.25 | 14<br>WE      | 0520<br>1701                 | 0.53<br>0.23                 | 22<br>TH      | 0045<br>0356<br>1251<br>1931 | 0.31<br>0.25<br>0.42<br>0.27 | 30<br>FR      | 0751<br>1753 | 0.52<br>0.17 |
| 7<br>WE      | 0118<br>0320<br>1050<br>2030 | 0.30<br>0.29<br>0.49<br>0.25 | 15<br>TH      | 0618<br>1721                 | 0.57<br>0.23                 | 23<br>FR      | 0125<br>0522<br>1124<br>1721 | 0.34<br>0.27<br>0.32<br>0.26 | 31<br>SA      | 0839<br>1818 | 0.51<br>0.19 |
| 8<br>TH      | 0157<br>0411<br>1110<br>1853 | 0.30<br>0.30<br>0.45<br>0.25 | 16<br>FR      | 0723<br>1800                 | 0.61<br>0.22                 | 24<br>SA      | 0205<br>1315<br>1437<br>1707 | 0.39<br>0.23<br>0.23<br>0.21 |               |              |              |

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Datum of Predictions is Lowest Astronomical Tide

Caution: Predictions are of secondary quality

Times are in local standard time (Time Zone UTC +08:00)

Moon Phase Symbols ● New Moon ○ First Quarter ○ Full Moon ○ Last Quarter

# MANDURAH – WESTERN AUSTRALIA

LAT 32° 32' S LONG 115° 43' E

# 2024

TIMES AND HEIGHTS OF HIGH AND LOW WATERS

LOCAL TIME

## SEPTEMBER

## OCTOBER

| Time | m   | Time | m                                      | Time | m   | Time | m   |
|------|---|------|--|------|---|------|---|
| 1    | 0919 0.49<br>1838 0.20<br>SU 2310 0.26              | 9    | 0048 0.40<br>1610 0.17                 | 17   | 0147 0.22<br>1002 0.48<br>TU 1737 0.20<br>2250 0.27 | 25   | 0326 0.43<br>1504 0.06                              |
| 2    | 0111 0.25<br>0954 0.46<br>MO 1833 0.21<br>2328 0.27 | 10   | 0128 0.43<br>1502 0.17                 | 18   | 0335 0.19<br>1100 0.41<br>WE 1727 0.22<br>2322 0.31 | 26   | 0430 0.42<br>1544 0.09                              |
| 3    | 0213 0.24<br>1015 0.42<br>TU 1816 0.21<br>2354 0.27 | 11   | 0233 0.45<br>1518 0.16                 | 19   | 0504 0.17<br>1200 0.32<br>TH 1653 0.23<br>2357 0.35 | 27   | 0637 0.40<br>1614 0.12                              |
| 4    | 0308 0.23<br>1004 0.38<br>WE 1747 0.21              | 12   | 0426 0.47<br>1549 0.15                 | 20   | 0648 0.15<br>1257 0.23<br>FR 1529 0.20              | 28   | 0736 0.39<br>1633 0.15                              |
| 5    | 0017 0.28<br>0403 0.22<br>TH 1020 0.34<br>1658 0.19 | 13   | 0547 0.50<br>1626 0.15                 | 21   | 0030 0.39<br>0920 0.12<br>SA 1400 0.15<br>1514 0.15 | 29   | 0822 0.38<br>1608 0.17<br>SU 2207 0.26              |
| 6    | 0028 0.30<br>1704 0.18<br>FR 2345 0.33              | 14   | 0708 0.52<br>1701 0.15                 | 22   | 0105 0.42<br>1238 0.07                              | 30   | 0228 0.24<br>0904 0.35<br>MO 1603 0.17<br>2215 0.28 |
| 7    | 0555 0.23<br>1115 0.25<br>SA 1715 0.18              | 15   | 0811 0.53<br>1732 0.16                 | 23   | 0145 0.44<br>1330 0.04                              |      |   |
| 8    | 0014 0.37<br>1649 0.18                              | 16   | 0906 0.52<br>1747 0.17<br>MO 2226 0.25 | 24   | 0231 0.44<br>1419 0.04                              |      |   |

| Time | m   | Time | m   | Time | m   | Time | m   |
|------|---|------|---|------|---|------|---|
| 1    | 0327 0.21<br>0944 0.32<br>TU 1603 0.17<br>2234 0.29 | 9    | 0031 0.45<br>1346 0.11                              | 17   | 0457 0.11<br>1114 0.25<br>TH 1420 0.20<br>2204 0.42 | 25   | 0114 0.37<br>1449 0.11                              |
| 2    | 0410 0.19<br>1020 0.28<br>WE 1515 0.17<br>2247 0.31 | 10   | 0115 0.45<br>1421 0.11                              | 18   | 0640 0.07<br>2216 0.46                              | 26   | 0156 0.33<br>1459 0.14<br>SA 2301 0.29              |
| 3    | 0448 0.17<br>0944 0.24<br>TH 1514 0.15<br>2206 0.34 | 11   | 0316 0.44<br>1454 0.11                              | 19   | 0811 0.04<br>2241 0.48                              | 27   | 0125 0.29<br>0300 0.29<br>SU 1426 0.15<br>2130 0.29 |
| 4    | 0535 0.15<br>1009 0.20<br>FR 1526 0.15<br>2227 0.37 | 12   | 0502 0.44<br>1520 0.11                              | 20   | 1045 0.02<br>2312 0.49                              | 28   | 0244 0.25<br>0739 0.26<br>MO 1422 0.16<br>2103 0.32 |
| 5    | 0756 0.14<br>1043 0.17<br>SA 1525 0.15<br>2255 0.40 | 13   | 0626 0.43<br>1538 0.13<br>SU 2300 0.26              | 21   | 1156 0.01<br>2343 0.47                              | 29   | 0331 0.21<br>0850 0.23<br>TU 1351 0.16<br>2115 0.35 |
| 6    | 0859 0.13<br>1117 0.15<br>SU 1445 0.14<br>2326 0.42 | 14   | 0011 0.26<br>0743 0.41<br>MO 1543 0.16<br>2118 0.27 | 22   | 1250 0.02   | 30   | 0420 0.17<br>0953 0.21<br>WE 1325 0.16<br>2112 0.38 |
| 7    | 0958 0.12<br>1142 0.13<br>MO 1248 0.13<br>2357 0.44 | 15   | 0158 0.22<br>0858 0.37<br>TU 1532 0.18<br>2128 0.32 | 23   | 0013 0.44<br>1338 0.04                              | 31   | 0515 0.14<br>1045 0.19<br>TH 1337 0.15<br>2058 0.42 |
| 8    | 1313 0.12   | 16   | 0336 0.16<br>1010 0.31<br>WE 1516 0.20<br>2147 0.37 | 24   | 0041 0.41<br>1419 0.07                              |      |   |

## NOVEMBER

## DECEMBER

| Time | m   | Time | m   | Time | m                                      | Time | m                      |
|------|---|------|---|------|--|------|------------------------|
| 1    | 0613 0.11<br>1133 0.17<br>FR 1347 0.16<br>2118 0.46 | 9    | 0138 0.44<br>1352 0.12                              | 17   | 0823 0.00<br>2208 0.57                 | 25   | 1037 0.17<br>2000 0.36 |
| 2    | 0702 0.09<br>2145 0.48                              | 10   | 0346 0.40<br>1405 0.14<br>SU 2200 0.32<br>2340 0.31 | 18   | 0940 0.02<br>2241 0.54                 | 26   | 0956 0.16<br>2005 0.41 |
| 3    | 0748 0.08<br>2215 0.50                              | 11   | 0526 0.35<br>1358 0.17<br>MO 2018 0.33              | 19   | 1102 0.04<br>2307 0.51                 | 27   | 0727 0.16<br>2005 0.45 |
| 4    | 0833 0.08<br>2246 0.51                              | 12   | 0242 0.25<br>0654 0.29<br>TU 1326 0.20<br>2013 0.39 | 20   | 1203 0.07<br>2327 0.46                 | 28   | 0609 0.13<br>2001 0.50 |
| 5    | 0922 0.09<br>2319 0.50                              | 13   | 0409 0.17<br>0938 0.24<br>WE 1308 0.21<br>2020 0.45 | 21   | 1253 0.09<br>2347 0.42                 | 29   | 0603 0.11<br>2019 0.54 |
| 6    | 1032 0.11<br>2355 0.49                              | 14   | 0523 0.10<br>2038 0.51                              | 22   | 1328 0.12                              | 30   | 0627 0.09<br>2047 0.57 |
| 7    | 1245 0.11   | 15   | 0625 0.05<br>2103 0.55                              | 23   | 0004 0.38<br>1324 0.15<br>SA 2221 0.35 |      |                        |
| 8    | 0039 0.47<br>1327 0.11                              | 16   | 0722 0.01<br>2135 0.57                              | 24   | 1220 0.17<br>2135 0.34                 |      |                        |

| Time | m   | Time | m                                      | Time | m                      | Time | m                      |
|------|---|------|--|------|------------------------|------|------------------------|
| 1    | 0700 0.08<br>2118 0.58                              | 9    | 0029 0.36<br>1110 0.19<br>MO 1924 0.37 | 17   | 0902 0.06<br>2235 0.56 | 25   | 0746 0.13<br>1907 0.47 |
| 2    | 0736 0.09<br>2152 0.58                              | 10   | 0844 0.20<br>1909 0.43                 | 18   | 0948 0.09<br>2253 0.51 | 26   | 0658 0.12<br>1910 0.52 |
| 3    | 0815 0.09<br>2228 0.57                              | 11   | 0702 0.17<br>1914 0.50                 | 19   | 1024 0.12<br>2303 0.47 | 27   | 0617 0.12<br>1928 0.56 |
| 4    | 0854 0.10<br>2303 0.55                              | 12   | 0525 0.10<br>1934 0.57                 | 20   | 0945 0.14<br>2314 0.42 | 28   | 0609 0.11<br>1959 0.60 |
| 5    | 0937 0.12<br>2341 0.52                              | 13   | 0601 0.05<br>2004 0.61                 | 21   | 0934 0.15<br>2301 0.38 | 29   | 0631 0.10<br>2035 0.62 |
| 6    | 1025 0.13   | 14   | 0644 0.02<br>2041 0.63                 | 22   | 0757 0.15<br>2127 0.36 | 30   | 0702 0.10<br>2115 0.62 |
| 7    | 0017 0.48<br>1104 0.14                              | 15   | 0729 0.02<br>2120 0.63                 | 23   | 0759 0.13<br>1905 0.37 | 31   | 0735 0.11<br>2158 0.61 |
| 8    | 0045 0.42<br>1115 0.16<br>SU 2123 0.36<br>2256 0.35 | 16   | 0815 0.03<br>2201 0.60                 | 24   | 0807 0.13<br>1902 0.42 |      |                        |

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Datum of Predictions is Lowest Astronomical Tide

Caution: Predictions are of secondary quality

Times are in local standard time (Time Zone UTC +08:00)

Moon Phase Symbols ● New Moon ○ First Quarter ○ Full Moon ● Last Quarter

NAPIER BROOME BAY – WESTERN AUSTRALIA

LAT 14° 6' S LONG 126° 42' E

2024

TIMES AND HEIGHTS OF HIGH AND LOW WATERS

LOCAL TIME

JANUARY

FEBRUARY

Table for January tide predictions, showing time and height in meters for days 1 through 31. Includes moon phase symbols like ●, ○, and ⊙.

Table for February tide predictions, showing time and height in meters for days 1 through 29. Includes moon phase symbols like ●, ○, and ⊙.

MARCH

APRIL

Table for March tide predictions, showing time and height in meters for days 1 through 31. Includes moon phase symbols like ●, ○, and ⊙.

Table for April tide predictions, showing time and height in meters for days 1 through 30. Includes moon phase symbols like ●, ○, and ⊙.

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Datum of Predictions is Lowest Astronomical Tide
Times are in local standard time (Time Zone UTC +08:00)
Moon Phase Symbols ● New Moon ○ First Quarter ○ Full Moon ● Last Quarter
Caution: Predictions are of secondary quality

# NAPIER BROOME BAY – WESTERN AUSTRALIA

LAT 14° 6' S LONG 126° 42' E

# 2024

TIMES AND HEIGHTS OF HIGH AND LOW WATERS

LOCAL TIME

## MAY

| Time   | m   | Time  | m   | Time   | m   | Time  | m   |
|--|---|---|---|--|---|---|---|
| <b>1</b> 0158 1.45<br>0624 0.67<br>WE 1403 2.90<br>● 2104 0.98 | <b>9</b> 0338 0.46<br>1125 3.43<br>TH 1715 0.33                 | <b>17</b> 1533 1.93<br>FR                                       | <b>25</b> 0348 0.53<br>1151 3.18<br>SA 1746 0.31                | <b>2</b> 0244 1.34<br>0655 0.92<br>TH 1443 2.61<br>2345 1.08   | <b>10</b> 0003 1.88<br>0403 0.39<br>FR 1159 3.53<br>1746 0.34 | <b>18</b> 0047 1.00<br>0754 1.76<br>SA 1347 1.50<br>1813 1.73 | <b>26</b> 0026 1.62<br>0412 0.49<br>SU 1222 3.23<br>1822 0.33 |
| <b>3</b> 0434 1.31<br>0725 1.25<br>FR 1602 2.28                | <b>11</b> 0036 1.77<br>0430 0.36<br>SA 1228 3.51<br>1815 0.41   | <b>19</b> 0139 0.91<br>0833 2.03<br>SU 1440 1.20<br>1952 1.76   | <b>27</b> 0059 1.56<br>0440 0.48<br>MO 1252 3.22<br>1859 0.37   | <b>4</b> 0118 0.98<br>0815 1.64<br>SA 1141 1.60<br>1838 2.09   | <b>12</b> 0103 1.67<br>0501 0.38<br>SU 1253 3.38<br>1844 0.50 | <b>20</b> 0210 0.82<br>0905 2.28<br>MO 1513 0.92<br>2053 1.80 | <b>28</b> 0132 1.52<br>0512 0.52<br>TU 1318 3.12<br>1937 0.43 |
| <b>5</b> 0158 0.85<br>0849 2.08<br>SU 1430 1.23<br>2034 2.09   | <b>13</b> 0125 1.61<br>0534 0.47<br>MO 1315 3.17<br>1915 0.60   | <b>21</b> 0232 0.75<br>0936 2.51<br>TU 1541 0.69<br>2144 1.81   | <b>29</b> 0205 1.51<br>0548 0.61<br>WE 1344 2.96<br>2017 0.51   | <b>6</b> 0229 0.74<br>0928 2.51<br>MO 1521 0.85<br>2148 2.10   | <b>14</b> 0147 1.57<br>0607 0.65<br>TU 1337 2.91<br>1951 0.72 | <b>22</b> 0250 0.69<br>1009 2.73<br>WE 1609 0.51<br>2230 1.78 | <b>30</b> 0241 1.53<br>0631 0.78<br>TH 1413 2.71<br>2102 0.60 |
| <b>7</b> 0253 0.64<br>1009 2.90<br>TU 1603 0.56<br>2242 2.07   | <b>15</b> 0215 1.53<br>0643 0.88<br>WE 1403 2.60<br>● 2034 0.85 | <b>23</b> 0307 0.63<br>1042 2.91<br>TH 1639 0.39<br>○ 2311 1.74 | <b>31</b> 0326 1.59<br>0727 1.01<br>FR 1451 2.40<br>● 2156 0.69 | <b>8</b> 0315 0.54<br>1049 3.22<br>WE 1640 0.39<br>● 2325 1.99 | <b>16</b> 0302 1.47<br>0721 1.16<br>TH 1436 2.26<br>2137 0.99 | <b>24</b> 0327 0.58<br>1117 3.07<br>FR 1712 0.33<br>2350 1.68 |   |

## JUNE

| Time   | m   | Time  | m   | Time   | m   | Time  | m   |
|--|---|---|---|--|---|---|---|
| <b>1</b> 0432 1.71<br>0849 1.27<br>SA 1549 2.05<br>2307 0.75 | <b>9</b> 0036 1.50<br>0409 0.47<br>SU 1219 3.23<br>1821 0.33  | <b>17</b> 0640 1.92<br>1351 1.21<br>MO 1739 1.40<br>2354 0.83 | <b>25</b> 0102 1.54<br>0432 0.54<br>TU 1250 3.13<br>1904 0.16   | <b>2</b> 0559 1.95<br>1233 1.34<br>SU 1729 1.74                | <b>10</b> 0106 1.53<br>0445 0.50<br>MO 1246 3.09<br>1844 0.37   | <b>18</b> 0739 2.12<br>1448 0.94<br>TU 1916 1.32                | <b>26</b> 0135 1.66<br>0513 0.56<br>WE 1320 3.02<br>1933 0.18 |
| <b>3</b> 0016 0.76<br>0714 2.28<br>MO 1420 1.01<br>1918 1.56 | <b>11</b> 0133 1.59<br>0524 0.58<br>TU 1309 2.89<br>1909 0.40 | <b>19</b> 0054 0.83<br>0829 2.33<br>WE 1527 0.70<br>2050 1.28 | <b>27</b> 0206 1.79<br>0600 0.63<br>TH 1348 2.81<br>2000 0.22   | <b>4</b> 0108 0.72<br>0818 2.61<br>TU 1517 0.68<br>2116 1.48   | <b>12</b> 0158 1.65<br>0605 0.71<br>WE 1330 2.67<br>1939 0.43   | <b>20</b> 0137 0.79<br>0921 2.55<br>TH 1603 0.50<br>2221 1.28   | <b>28</b> 0238 1.92<br>0653 0.74<br>FR 1414 2.53<br>2027 0.27 |
| <b>5</b> 0149 0.66<br>0921 2.90<br>WE 1603 0.44<br>2230 1.47 | <b>13</b> 0225 1.69<br>0650 0.87<br>TH 1353 2.43<br>2015 0.49 | <b>21</b> 0211 0.73<br>1013 2.76<br>FR 1639 0.35<br>2313 1.32 | <b>29</b> 0313 2.05<br>0755 0.89<br>SA 1443 2.20<br>● 2058 0.35 | <b>6</b> 0225 0.58<br>1018 3.12<br>TH 1644 0.31<br>● 2321 1.47 | <b>14</b> 0300 1.72<br>0742 1.06<br>FR 1421 2.16<br>● 2054 0.57 | <b>22</b> 0244 0.66<br>1058 2.95<br>SA 1716 0.24<br>○ 2353 1.37 | <b>30</b> 0357 2.18<br>0910 1.06<br>SU 1520 1.82<br>2136 0.46 |
| <b>7</b> 0300 0.52<br>1106 3.26<br>FR 1720 0.26              | <b>15</b> 0349 1.73<br>0842 1.24<br>SA 1456 1.88<br>2140 0.68 | <b>23</b> 0318 0.60<br>1139 3.09<br>SU 1753 0.19              |   | <b>8</b> 0001 1.48<br>0333 0.48<br>SA 1146 3.30<br>1753 0.28   | <b>16</b> 0508 1.77<br>1022 1.37<br>SU 1552 1.60<br>2239 0.78   | <b>24</b> 0029 1.45<br>0353 0.56<br>MO 1216 3.15<br>1831 0.16   |   |

## JULY

| Time   | m   | Time  | m   | Time   | m   | Time  | m   |
|--|---|---|---|--|---|---|---|
| <b>1</b> 0454 2.30<br>1154 1.15<br>MO 1620 1.43<br>2223 0.59 | <b>9</b> 0059 1.70<br>0449 0.58<br>TU 1240 2.86<br>1836 0.23  | <b>17</b> 0538 2.06<br>1455 1.02<br>WE 1652 1.04<br>2202 0.80   | <b>25</b> 0119 2.09<br>0527 0.50<br>TH 1312 2.89<br>1858 0.05 | <b>2</b> 0604 2.45<br>1417 0.91<br>TU 1802 1.14<br>2332 0.70 | <b>10</b> 0123 1.83<br>0530 0.60<br>WE 1301 2.70<br>1853 0.22   | <b>18</b> 0704 2.19<br>1540 0.74                              | <b>26</b> 0147 2.30<br>0616 0.50<br>FR 1338 2.65<br>1916 0.06   |
| <b>3</b> 0716 2.61<br>1526 0.61<br>WE 2114 1.04              | <b>11</b> 0144 1.94<br>0612 0.64<br>TH 1319 2.53<br>1915 0.21 | <b>19</b> 0835 2.39<br>1612 0.50<br>FR 2246 1.07                | <b>27</b> 0215 2.47<br>0705 0.56<br>SA 1401 2.35<br>1938 0.09 | <b>4</b> 0048 0.74<br>0841 2.77<br>TH 1613 0.39<br>2237 1.15 | <b>12</b> 0206 2.02<br>0654 0.72<br>FR 1338 2.35<br>1942 0.23   | <b>20</b> 0121 0.90<br>0954 2.63<br>SA 1644 0.31<br>2317 1.22 | <b>28</b> 0244 2.58<br>0758 0.69<br>SU 1421 2.00<br>● 2004 0.16 |
| <b>5</b> 0150 0.73<br>1003 2.92<br>FR 1652 0.26<br>2323 1.29 | <b>13</b> 0231 2.05<br>0737 0.82<br>SA 1359 2.14<br>2009 0.29 | <b>21</b> 0220 0.82<br>1047 2.85<br>SU 1715 0.18<br>○ 2349 1.41 | <b>29</b> 0317 2.62<br>0856 0.88<br>MO 1442 1.63<br>2033 0.30 | <b>6</b> 0240 0.68<br>1058 3.03<br>SA 1727 0.21<br>●         | <b>14</b> 0300 2.05<br>0822 0.95<br>SU 1422 1.90<br>● 2037 0.40 | <b>22</b> 0309 0.71<br>1130 3.02<br>MO 1746 0.09              | <b>30</b> 0400 2.59<br>1035 1.08<br>TU 1509 1.25<br>2103 0.49   |
| <b>7</b> 0000 1.43<br>0325 0.63<br>SU 1139 3.05<br>1757 0.21 | <b>15</b> 0336 2.02<br>0917 1.10<br>MO 1448 1.62<br>2105 0.53 | <b>23</b> 0019 1.62<br>0355 0.62<br>TU 1207 3.08<br>1814 0.06   | <b>31</b> 0503 2.52<br>1455 0.89<br>WE 1618 0.90<br>2130 0.72 | <b>8</b> 0031 1.57<br>0407 0.60<br>MO 1213 2.99<br>1819 0.23 | <b>16</b> 0425 2.01<br>1058 1.22<br>TU 1521 1.32<br>2131 0.67   | <b>24</b> 0050 1.86<br>0441 0.54<br>WE 1242 3.04<br>1839 0.04 |   |

## AUGUST

| Time   | m   | Time  | m   | Time   | m   | Time  | m   |
|--|---|---|---|--|---|---|---|
| <b>1</b> 0633 2.49<br>1549 0.59<br>TH                        | <b>9</b> 0117 2.34<br>0612 0.48<br>FR 1300 2.45<br>1838 0.11  | <b>17</b> 0803 2.28<br>1615 0.50<br>SA 2307 1.20              | <b>25</b> 0146 3.00<br>0700 0.40<br>SU 1340 2.11<br>1847 0.05 | <b>2</b> 0832 2.56<br>1621 0.37<br>FR 2249 1.23                | <b>10</b> 0136 2.42<br>0645 0.51<br>SA 1316 2.30<br>1857 0.13   | <b>18</b> 0056 1.15<br>0941 2.54<br>SU 1631 0.32<br>2306 1.44   | <b>26</b> 0210 3.03<br>0743 0.56<br>MO 1353 1.80<br>● 1913 0.14 |
| <b>3</b> 0148 0.99<br>1000 2.71<br>SA 1650 0.24<br>2318 1.48 | <b>11</b> 0156 2.44<br>0718 0.59<br>SU 1333 2.12<br>1918 0.19 | <b>19</b> 0228 0.99<br>1033 2.77<br>MO 1653 0.19<br>2329 1.73 | <b>27</b> 0238 2.95<br>0830 0.79<br>TU 1403 1.49<br>1939 0.31 | <b>4</b> 0258 0.87<br>1051 2.83<br>SU 1717 0.18<br>● 2347 1.71 | <b>12</b> 0218 2.41<br>0753 0.71<br>MO 1349 1.90<br>● 1936 0.29 | <b>20</b> 0325 0.77<br>1116 2.92<br>TU 1715 0.12<br>○ 2357 2.05 | <b>28</b> 0312 2.77<br>0934 1.06<br>WE 1400 1.18<br>2000 0.56   |
| <b>5</b> 0348 0.73<br>1130 2.86<br>MO 1739 0.18              | <b>13</b> 0241 2.36<br>0833 0.89<br>TU 1359 1.63<br>1952 0.41 | <b>21</b> 0412 0.58<br>1153 2.95<br>WE 1736 0.08              | <b>29</b> 0404 2.51<br>1759 0.79                              | <b>6</b> 0014 1.91<br>0428 0.62<br>TU 1201 2.82<br>1755 0.18   | <b>14</b> 0310 2.29<br>0927 1.10<br>WE 1347 1.35<br>2003 0.55   | <b>22</b> 0025 2.37<br>0456 0.43<br>TH 1227 2.87<br>1752 0.06   | <b>30</b> 0556 2.29<br>1552 0.61                                |
| <b>7</b> 0037 2.08<br>0504 0.54<br>WE 1226 2.71<br>1806 0.17 | <b>15</b> 0354 2.21<br>1955 0.69<br>TH                        | <b>23</b> 0053 2.65<br>0538 0.34<br>FR 1257 2.68<br>1806 0.04 | <b>31</b> 0839 2.35<br>1606 0.42<br>SA 2238 1.58              | <b>8</b> 0058 2.23<br>0538 0.49<br>TH 1244 2.59<br>1819 0.14   | <b>16</b> 0520 2.16<br>1639 0.73<br>FR                          | <b>24</b> 0120 2.87<br>0619 0.33<br>SA 1321 2.42<br>1824 0.02   |   |

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Datum of Predictions is Lowest Astronomical Tide

Caution: Predictions are of secondary quality

Times are in local standard time (Time Zone UTC +08:00)

Moon Phase Symbols ● New Moon ○ First Quarter ○ Full Moon ● Last Quarter

# NAPIER BROOME BAY – WESTERN AUSTRALIA

# 2024

LAT 14° 6' S LONG 126° 42' E

TIMES AND HEIGHTS OF HIGH AND LOW WATERS

LOCAL TIME

## SEPTEMBER

## OCTOBER

| Time | m   | Time | m   | Time | m   | Time | m   | Time | m   | Time | m   | Time | m   |    |   |
|------|---|------|---|------|---|------|---|------|---|------|---|------|---|----|---|
| 1    | 0249 1.15<br>0952 2.53<br>SU 1628 0.29<br>2256 1.87   | 9    | 0122 2.80<br>0655 0.45<br>MO 1308 2.02<br>1824 0.22   | 17   | 0257 1.03<br>1012 2.61<br>TU 1611 0.30<br>2258 2.19   | 25   | 0202 3.12<br>0805 0.75<br>WE 1337 1.38<br>● 1856 0.47 | 1    | 0346 0.80<br>1012 2.40<br>TU 1605 0.37<br>2244 2.50   | 9    | 0110 3.02<br>0709 0.52<br>WE 1308 1.61<br>1755 0.39   | 17   | 0347 0.61<br>1032 2.30<br>○ 1533 0.38<br>2250 2.99  | 25 | 0200 2.77<br>0835 0.91<br>FR 1445 1.24<br>1846 1.04 |
| 2    | 0340 0.88<br>1037 2.66<br>MO 1647 0.24<br>2320 2.13   | 10   | 0140 2.76<br>0726 0.58<br>TU 1319 1.80<br>1838 0.30   | 18   | 0343 0.71<br>1056 2.70<br>WE 1629 0.23<br>○ 2326 2.56 | 26   | 0230 2.82<br>0857 1.03<br>TH 1332 1.16<br>1907 0.77   | 2    | 0412 0.57<br>1045 2.44<br>WE 1618 0.34<br>2308 2.71   | 10   | 0124 2.92<br>0745 0.70<br>TH 1313 1.42<br>1814 0.51   | 18   | 0424 0.36<br>1115 2.23<br>FR 1550 0.30<br>2324 3.30 | 26 | 0232 2.37<br>1255 1.01<br>SA                        |
| 3    | 0415 0.67<br>1113 2.69<br>TU 1703 0.23<br>● 2344 2.34 | 11   | 0157 2.69<br>0801 0.77<br>WE 1321 1.57<br>○ 1852 0.41 | 19   | 0423 0.45<br>1134 2.68<br>TH 1644 0.18<br>2355 2.90   | 27   | 0310 2.44<br>1605 0.91<br>FR                          | 3    | 0435 0.41<br>1113 2.41<br>TH 1628 0.32<br>● 2330 2.87 | 11   | 0142 2.78<br>0834 0.92<br>FR 1308 1.23<br>○ 1828 0.70 | 19   | 0459 0.22<br>1153 2.10<br>SA 1611 0.23<br>2355 3.51 | 27 | 0340 1.95<br>1353 0.87<br>SU 2114 1.82              |
| 4    | 0442 0.51<br>1140 2.65<br>WE 1715 0.22                | 12   | 0217 2.58<br>0848 1.01<br>TH 1257 1.34<br>1902 0.55   | 20   | 0501 0.29<br>1209 2.54<br>FR 1658 0.13                | 28   | 0504 2.07<br>1509 0.72<br>SA 2249 1.64                | 4    | 0457 0.31<br>1136 2.33<br>FR 1637 0.29<br>2352 2.98   | 12   | 0210 2.56<br>1807 0.93<br>SA                          | 20   | 0532 0.19<br>1226 1.93<br>SU 1635 0.19              | 28 | 0224 1.48<br>0730 1.85<br>MO 1428 0.74<br>2113 2.16 |
| 5    | 0006 2.52<br>0508 0.41<br>TH 1202 2.57<br>1724 0.20   | 13   | 0248 2.42<br>1845 0.72<br>FR                          | 21   | 0024 3.17<br>0536 0.22<br>SA 1239 2.34<br>1715 0.09   | 29   | 0217 1.48<br>0823 2.13<br>SU 1528 0.55<br>2204 1.94   | 5    | 0520 0.27<br>1157 2.23<br>SA 1651 0.27                | 13   | 0309 2.26<br>1423 0.86<br>SU                          | 21   | 0024 3.59<br>0605 0.24<br>MO 1254 1.76<br>1702 0.19 | 29 | 0305 1.12<br>0845 1.96<br>TU 1453 0.63<br>2137 2.45 |
| 6    | 0026 2.65<br>0533 0.35<br>FR 1221 2.46<br>1736 0.17   | 14   | 0355 2.22<br>1606 0.75<br>SA                          | 22   | 0051 3.34<br>0612 0.24<br>SU 1304 2.09<br>1739 0.07   | 30   | 0313 1.12<br>0929 2.30<br>MO 1547 0.43<br>2221 2.25   | 6    | 0013 3.06<br>0545 0.26<br>SU 1217 2.11<br>1706 0.26   | 14   | 0629 2.07<br>1438 0.70<br>MO 2138 1.79                | 22   | 0050 3.54<br>0637 0.35<br>TU 1318 1.60<br>1731 0.28 | 30 | 0333 0.81<br>0933 2.04<br>WE 1512 0.56<br>2203 2.70 |
| 7    | 0045 2.75<br>0600 0.34<br>SA 1238 2.34<br>1752 0.15   | 15   | 0734 2.19<br>1542 0.57<br>SU 2240 1.50                | 23   | 0116 3.39<br>0647 0.34<br>MO 1321 1.84<br>1804 0.11   | 7    | 0033 3.09<br>0611 0.30<br>MO 1237 1.97<br>1722 0.28   | 15   | 0218 1.37<br>0838 2.18<br>TU 1458 0.57<br>2149 2.20   | 23   | 0113 3.38<br>0710 0.51<br>WE 1335 1.47<br>1800 0.45   | 31   | 0358 0.58<br>1010 2.07<br>TH 1525 0.52<br>2229 2.89 |    |   |
| 8    | 0104 2.80<br>0627 0.37<br>SU 1253 2.19<br>1808 0.17   | 16   | 0137 1.36<br>0919 2.42<br>MO 1554 0.41<br>2235 1.81   | 24   | 0138 3.31<br>0724 0.51<br>TU 1330 1.60<br>1831 0.25   | 8    | 0053 3.07<br>0639 0.39<br>TU 1254 1.80<br>1738 0.32   | 16   | 0308 0.96<br>0943 2.28<br>WE 1516 0.47<br>2217 2.61   | 24   | 0135 3.11<br>0748 0.70<br>TH 1357 1.35<br>○ 1828 0.72 |      |   |    |   |

## NOVEMBER

## DECEMBER

| Time | m   | Time | m   | Time | m   | Time | m   | Time | m   | Time | m   | Time | m   |    |   |
|------|---|------|---|------|---|------|---|------|---|------|---|------|---|----|---|
| 1    | 0421 0.42<br>1042 2.05<br>FR 1538 0.48<br>● 2254 3.05 | 9    | 0133 2.85<br>0839 0.75<br>SA 1452 1.31<br>○ 1829 0.94 | 17   | 0503 0.25<br>1146 1.68<br>SU 1533 0.40<br>2334 3.61   | 25   | 0254 1.97<br>1039 0.93<br>MO 1916 1.90                | 1    | 0439 0.40<br>1102 1.64<br>SU 1509 0.67<br>● 2258 3.20 | 9    | 0212 2.58<br>0907 0.60<br>MO 1557 1.89<br>2010 1.35   | 17   | 0551 0.30<br>1227 1.58<br>TU 1549 0.65                | 25 | 0253 1.79<br>0943 0.80<br>WE 1805 2.16              |
| 2    | 0444 0.31<br>1112 1.99<br>SA 1552 0.45<br>2320 3.16   | 10   | 0204 2.58<br>0955 0.88<br>SU 1618 1.35<br>1903 1.25   | 18   | 0536 0.24<br>1224 1.62<br>MO 1604 0.37                | 26   | 0149 1.57<br>0442 1.65<br>TU 1245 0.92<br>2005 2.19   | 2    | 0508 0.32<br>1140 1.62<br>MO 1531 0.64<br>2331 3.30   | 10   | 0249 2.22<br>0953 0.70<br>TU 1707 2.09<br>2212 1.56   | 18   | 0004 3.51<br>0620 0.32<br>WE 1259 1.68<br>1628 0.68   | 26 | 0222 1.47<br>0356 1.49<br>TH 1036 0.94<br>1923 2.34 |
| 3    | 0509 0.27<br>1141 1.91<br>SU 1608 0.43<br>2346 3.23   | 11   | 0259 2.25<br>1207 0.90<br>MO 1923 1.64<br>2120 1.62   | 19   | 0008 3.61<br>0608 0.30<br>TU 1257 1.57<br>1637 0.41   | 27   | 0244 1.24<br>0721 1.60<br>WE 1331 0.86<br>2042 2.46   | 3    | 0541 0.29<br>1216 1.60<br>TU 1557 0.62                | 11   | 0354 1.83<br>1054 0.78<br>WE 1827 2.39                | 19   | 0034 3.38<br>0643 0.36<br>TH 1328 1.79<br>1709 0.75   | 27 | 0317 1.17<br>0633 1.29<br>FR 1158 1.03<br>2021 2.55 |
| 4    | 0536 0.26<br>1209 1.81<br>MO 1625 0.42                | 12   | 0506 1.94<br>1306 0.82<br>TU 2008 2.07                | 20   | 0037 3.50<br>0637 0.38<br>WE 1328 1.55<br>1710 0.52   | 28   | 0317 0.95<br>0834 1.63<br>TH 1402 0.80<br>2116 2.69   | 4    | 0003 3.34<br>0614 0.29<br>WE 1250 1.60<br>1624 0.62   | 12   | 0208 1.30<br>0545 1.51<br>TH 1203 0.82<br>1935 2.72   | 20   | 0059 3.18<br>0703 0.39<br>FR 1355 1.89<br>1751 0.87   | 28 | 0348 0.90<br>0913 1.28<br>SA 1307 1.04<br>2114 2.77 |
| 5    | 0012 3.26<br>0605 0.30<br>TU 1238 1.70<br>1645 0.43   | 13   | 0217 1.31<br>0727 1.84<br>WE 1342 0.73<br>2048 2.50   | 21   | 0101 3.29<br>0706 0.47<br>TH 1356 1.55<br>1746 0.70   | 29   | 0345 0.71<br>0931 1.65<br>FR 1425 0.75<br>2150 2.89   | 5    | 0033 3.32<br>0647 0.31<br>TH 1322 1.61<br>1654 0.66   | 13   | 0311 0.93<br>0804 1.35<br>FR 1302 0.80<br>2042 3.03   | 21   | 0118 2.94<br>0726 0.42<br>SA 1421 1.98<br>1837 1.02   | 29 | 0417 0.68<br>1030 1.35<br>SU 1354 1.00<br>2202 2.99 |
| 6    | 0036 3.23<br>0636 0.37<br>WE 1306 1.58<br>1707 0.47   | 14   | 0307 0.90<br>0903 1.82<br>TH 1412 0.63<br>2131 2.91   | 22   | 0122 3.02<br>0739 0.58<br>FR 1427 1.56<br>1825 0.94   | 30   | 0411 0.53<br>1020 1.65<br>SA 1447 0.71<br>2223 3.06   | 6    | 0059 3.24<br>0721 0.36<br>FR 1354 1.63<br>1729 0.74   | 14   | 0357 0.62<br>1011 1.36<br>SA 1349 0.75<br>2148 3.29   | 22   | 0137 2.68<br>0754 0.46<br>SU 1451 2.03<br>1926 1.21   | 30 | 0447 0.50<br>1112 1.44<br>MO 1432 0.95<br>2245 3.18 |
| 7    | 0056 3.16<br>0710 0.47<br>TH 1335 1.47<br>1732 0.55   | 15   | 0347 0.57<br>1012 1.79<br>FR 1439 0.54<br>2215 3.24   | 23   | 0145 2.70<br>0818 0.69<br>SA 1514 1.57<br>○ 1909 1.24 | 7    | 0123 3.08<br>0754 0.43<br>SA 1427 1.68<br>1810 0.89   | 15   | 0438 0.42<br>1107 1.42<br>SU 1431 0.70<br>○ 2242 3.47 | 23   | 0158 2.40<br>0827 0.54<br>MO 1530 2.05<br>○ 2022 1.41 | 31   | 0517 0.37<br>1146 1.54<br>TU 1508 0.89<br>● 2324 3.33 |    |   |
| 8    | 0113 3.03<br>0749 0.60<br>FR 1407 1.37<br>1800 0.71   | 16   | 0426 0.36<br>1103 1.74<br>SA 1505 0.46<br>○ 2256 3.49 | 24   | 0213 2.34<br>0908 0.82<br>SU 1713 1.63<br>2012 1.54   | 8    | 0145 2.86<br>0828 0.51<br>SU 1506 1.76<br>○ 1900 1.10 | 16   | 0516 0.32<br>1150 1.49<br>MO 1510 0.66<br>2327 3.55   | 24   | 0223 2.10<br>0902 0.65<br>TU 1630 2.07<br>2138 1.59   |      |   |    |   |

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Datum of Predictions is Lowest Astronomical Tide

Caution: Predictions are of secondary quality

Times are in local standard time (Time Zone UTC +08:00)

Moon Phase Symbols ● New Moon ○ First Quarter ○ Full Moon ○ Last Quarter



AUSTRALIA, NORTH-WEST COAST – ONSLOW (BEADON CREEK)

2024

LAT 21° 39' S LONG 115° 08' E

TIMES AND HEIGHTS OF HIGH AND LOW WATERS

TIME ZONE -0800

JANUARY

FEBRUARY

Table with 4 columns: Day, Time, m (Height), Day, Time, m (Height), Day, Time, m (Height), Day, Time, m (Height). Contains data for January from day 1 to 31.

Table with 4 columns: Day, Time, m (Height), Day, Time, m (Height), Day, Time, m (Height), Day, Time, m (Height). Contains data for February from day 1 to 29.

MARCH

APRIL

Table with 4 columns: Day, Time, m (Height), Day, Time, m (Height), Day, Time, m (Height), Day, Time, m (Height). Contains data for March from day 1 to 31.

Table with 4 columns: Day, Time, m (Height), Day, Time, m (Height), Day, Time, m (Height), Day, Time, m (Height). Contains data for April from day 1 to 30.

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Moon Phase Symbols ● New Moon ○ First Quarter ○ Full Moon ● Last Quarter

AUSTRALIA, NORTH-WEST COAST – ONSLOW (BEADON CREEK)

LAT 21° 39' S LONG 115° 08' E

2024

TIMES AND HEIGHTS OF HIGH AND LOW WATERS

TIME ZONE -0800

MAY

JUNE

Table containing tide times and heights for May and June. Each day's data includes time and height for low water (m) and high water (m). Moon phase symbols are present: ● (New Moon), ○ (Full Moon), ◐ (First Quarter), ◑ (Last Quarter).

JULY

AUGUST

Table containing tide times and heights for July and August. Each day's data includes time and height for low water (m) and high water (m). Moon phase symbols are present: ● (New Moon), ○ (Full Moon), ◐ (First Quarter), ◑ (Last Quarter).

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Datum of Predictions is Lowest Astronomical Tide

\* Extra Tides

Moon Phase Symbols ● New Moon ◐ First Quarter ○ Full Moon ◑ Last Quarter

# AUSTRALIA, NORTH-WEST COAST – ONSLOW (BEADON CREEK)

# 2024

LAT 21° 39' S LONG 115° 08' E

TIMES AND HEIGHTS OF HIGH AND LOW WATERS

TIME ZONE -0800

## SEPTEMBER

## OCTOBER

| Time     | m         | Time      | m         | Time      | m         | Time      | m         | Time      | m         | Time      | m         | Time      | m           | Time      | m         |
|----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-------------|-----------|-----------|
| <b>1</b> | 0421 1.24 | <b>9</b>  | 0201 2.46 | <b>17</b> | 0355 1.05 | <b>25</b> | 0253 2.39 | <b>1</b>  | 0440 0.94 | <b>9</b>  | 0142 2.42 | <b>17</b> | 0425 0.59   | <b>25</b> | 0244 2.07 |
|          | 1030 2.16 |           | 0809 0.65 |           | 1035 2.36 |           | 0936 0.78 |           | 1052 2.26 |           | 0815 0.64 |           | 1005 1.05   |           |           |
| SU       | 1653 0.75 | MO        | 1429 2.12 | TU        | 1641 0.65 | WE        | 1541 1.79 | TU        | 1647 0.82 | WE        | 1435 2.00 | TH        | 1619 0.79   | FR        | 1628 1.74 |
|          | 2312 2.12 |           | 1921 0.95 |           | 2316 2.32 | ☾         | 1948 1.20 |           | 2309 2.35 |           | 1848 1.12 | ☉         | * 2005 1.50 |           |           |
| <b>2</b> | 0459 1.06 | <b>10</b> | 0219 2.38 | <b>18</b> | 0440 0.78 | <b>26</b> | 0318 2.13 | <b>2</b>  | 0507 0.79 | <b>10</b> | 0200 2.31 | <b>18</b> | 0509 0.36   | <b>26</b> | 0325 1.82 |
|          | 1112 2.32 |           | 0839 0.73 |           | 1125 2.54 |           | 1030 1.02 |           | 1124 2.37 |           | 0850 0.79 |           | 1119 1.22   |           |           |
| MO       | 1724 0.67 | TU        | 1456 1.97 | WE        | 1711 0.58 | TH        | 1632 1.59 | WE        | 1711 0.80 | TH        | 1509 1.84 | FR        | 1650 0.78   | SA        | 1845 1.75 |
|          | 2342 2.28 |           | 1928 1.04 | ☉         | 2350 2.55 | 2012 1.38 |           | 2335 2.45 |           | 1902 1.22 |           | 2347 2.84 |             |           |           |
| <b>3</b> | 0530 0.92 | <b>11</b> | 0237 2.28 | <b>19</b> | 0524 0.55 | <b>27</b> | 0403 1.87 | <b>3</b>  | 0532 0.66 | <b>11</b> | 0222 2.17 | <b>19</b> | 0551 0.21   | <b>27</b> | 0100 1.50 |
|          | 1145 2.42 |           | 0914 0.85 |           | 1206 2.65 |           | 1213 1.19 |           | 1153 2.42 |           | 0936 0.96 |           | 1223 2.56   |           | 0658 1.73 |
| TU       | 1750 0.63 | WE        | 1527 1.79 | TH        | 1737 0.57 | FR        | 2153 1.61 | TH        | 1729 0.81 | FR        | 1553 1.68 | SA        | 1723 0.80   | SU        | 1334 1.24 |
| ☾        |           | ☉         | 1939 1.14 |           |           |           |           | ☾         |           | ☉         | 1929 1.34 |           | 2024 1.90   |           |           |
| <b>4</b> | 0010 2.39 | <b>12</b> | 0259 2.16 | <b>20</b> | 0023 2.73 | <b>28</b> | 0038 1.53 | <b>4</b>  | 0000 2.52 | <b>12</b> | 0257 2.01 | <b>20</b> | 0022 2.90   | <b>28</b> | 0239 1.32 |
|          | 0557 0.81 |           | 1000 0.99 |           | 0607 0.36 |           | 0725 1.78 |           | 0556 0.56 |           | 1047 1.12 |           | 0632 0.16   |           | 0840 1.84 |
| WE       | 1216 2.47 | TH        | 1607 1.60 | FR        | 1244 2.66 | SA        | 1454 1.11 | FR        | 1220 2.43 | SA        | 1718 1.57 | SU        | 1300 2.50   | MO        | 1440 1.17 |
|          | 1813 0.64 |           | 1955 1.26 |           | 1805 0.60 | 2149 1.82 |           | 1742 0.83 |           | 2008 1.51 |           | 1757 0.86 |             | 2120 2.08 |           |
| <b>5</b> | 0036 2.46 | <b>13</b> | 0334 2.02 | <b>21</b> | 0055 2.84 | <b>29</b> | 0325 1.34 | <b>5</b>  | 0021 2.56 | <b>13</b> | 0432 1.84 | <b>21</b> | 0056 2.87   | <b>29</b> | 0332 1.11 |
|          | 0622 0.72 |           | 1115 1.12 |           | 0649 0.27 |           | 0924 1.92 |           | 0620 0.49 |           | 1313 1.16 |           | 0713 0.22   |           | 0946 2.00 |
| TH       | 1245 2.47 | FR        | 1721 1.45 | SA        | 1319 2.59 | SU        | 1545 0.98 | SA        | 1246 2.41 | SU        | 2011 1.72 | MO        | 1335 2.38   | TU        | 1522 1.11 |
|          | 1832 0.67 |           | 1955 1.41 |           | 1836 0.66 | 2214 2.02 |           | 1756 0.86 |           | 1827 0.95 |           | 2154 2.24 |             |           |           |
| <b>6</b> | 0100 2.50 | <b>14</b> | 0452 1.88 | <b>22</b> | 0126 2.86 | <b>30</b> | 0409 1.13 | <b>6</b>  | 0042 2.58 | <b>14</b> | 0142 1.46 | <b>22</b> | 0129 2.75   | <b>30</b> | 0407 0.92 |
|          | 0646 0.66 |           | 1426 1.09 |           | 0731 0.27 |           | 1015 2.11 |           | 0645 0.46 |           | 0744 1.90 |           | 0753 0.36   |           | 1025 2.14 |
| FR       | 1311 2.43 | SA        | 2211 1.62 | SU        | 1354 2.44 | MO        | 1620 0.88 | SU        | 1312 2.35 | MO        | 1432 1.04 | TU        | 1411 2.22   | WE        | 1553 1.07 |
|          | 1847 0.72 |           |           |           | 1906 0.77 | 2242 2.20 |           | 1814 0.90 |           | 2108 1.96 |           | 1845 1.05 |             | 2223 2.37 |           |
| <b>7</b> | 0121 2.52 | <b>15</b> | 0117 1.53 | <b>23</b> | 0157 2.78 |           |           | <b>7</b>  | 0101 2.56 | <b>15</b> | 0250 1.18 | <b>23</b> | 0159 2.55   | <b>31</b> | 0437 0.75 |
|          | 0712 0.62 |           | 0800 1.94 |           | 0812 0.37 |           |           |           | 0714 0.47 |           | 0908 2.10 |           | 0833 0.57   |           | 1058 2.24 |
| SA       | 1337 2.36 | SU        | 1526 0.91 | MO        | 1429 2.25 |           |           | MO        | 1339 2.27 | TU        | 1515 0.92 | WE        | 1447 2.04   | TH        | 1615 1.05 |
|          | 1900 0.78 |           | 2215 1.83 | 1925 0.90 |           |           |           | 1830 0.97 |           | 2153 2.22 |           | 1900 1.18 |             | 2248 2.47 |           |
| <b>8</b> | 0142 2.50 | <b>16</b> | 0302 1.31 | <b>24</b> | 0227 2.62 |           |           | <b>8</b>  | 0122 2.51 | <b>16</b> | 0340 0.88 | <b>24</b> | 0223 2.32   |           |           |
|          | 0740 0.62 |           | 0918 2.14 |           | 0853 0.55 |           |           |           | 0744 0.53 |           | 1016 2.30 |           | 0915 0.81   |           |           |
| SU       | 1402 2.25 | MO        | 1607 0.76 | TU        | 1504 2.02 |           |           | TU        | 1406 2.15 | WE        | 1549 0.84 | TH        | 1529 1.87   |           |           |
|          | 1913 0.86 |           | 2244 2.07 | 1930 1.05 |           |           |           | 1843 1.04 |           | 2233 2.48 | ☉         | 1929 1.32 |             |           |           |

## NOVEMBER

## DECEMBER

| Time     | m         | Time      | m         | Time        | m         | Time      | m         | Time      | m         | Time      | m         | Time      | m         | Time      | m         | Time | m |
|----------|-----------|-----------|-----------|-------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|------|---|
| <b>1</b> | 0504 0.61 | <b>9</b>  | 0212 2.21 | <b>17</b>   | 0536 0.24 | <b>25</b> | 0534 1.74 | <b>1</b>  | 0509 0.56 | <b>9</b>  | 0330 2.11 | <b>17</b> | 0613 0.39 | <b>25</b> | 0513 1.72 |      |   |
|          | 1127 2.31 |           | 0924 0.93 |             | 1207 2.42 |           | 1131 1.29 |           | 1134 2.22 |           | 1238 2.34 |           | 1049 1.36 |           |           |      |   |
| FR       | 1633 1.04 | SA        | 1554 1.86 | SU          | 1648 1.04 | MO        | 1843 2.03 | SU        | 1617 1.25 | MO        | 1642 2.19 | TU        | 1715 1.21 | WE        | 1751 2.19 |      |   |
| ☾        | 2312 2.54 | ☉         | 1959 1.45 | 2351 2.85   |           |           | ☾         | 2251 2.58 |           | 2300 1.35 |           |           |           |           |           |      |   |
| <b>2</b> | 0530 0.51 | <b>10</b> | 0256 2.03 | <b>18</b>   | 0618 0.23 | <b>26</b> | 0131 1.35 | <b>2</b>  | 0541 0.49 | <b>10</b> | 0447 1.95 | <b>18</b> | 0020 2.70 | <b>26</b> | 0115 1.28 |      |   |
|          | 1155 2.35 |           | 1023 1.09 |             | 1245 2.40 |           | 0722 1.73 |           | 1206 2.27 |           | 1039 1.16 |           | 0652 0.44 |           | 0726 1.65 |      |   |
| SA       | 1652 1.03 | SU        | 1709 1.85 | MO          | 1726 1.06 | TU        | 1250 1.35 | MO        | 1647 1.22 | TU        | 1741 2.25 | WE        | 1316 2.36 | TH        | 1148 1.47 |      |   |
|          | 2335 2.59 |           | 2307 1.52 |             |           | 1939 2.13 |           | 2327 2.62 |           | 1805 1.22 |           | 1900 2.21 |           |           |           |      |   |
| <b>3</b> | 0557 0.44 | <b>11</b> | 0459 1.87 | <b>19</b>   | 0030 2.80 | <b>27</b> | 0238 1.18 | <b>3</b>  | 0613 0.46 | <b>11</b> | 0036 1.23 | <b>19</b> | 0104 2.63 | <b>27</b> | 0237 1.14 |      |   |
|          | 1223 2.35 |           | 1148 1.19 |             | 0659 0.30 |           | 0856 1.82 |           | 1238 2.28 |           | 0615 1.85 |           | 0730 0.52 |           | 0916 1.73 |      |   |
| SU       | 1715 1.04 | MO        | 1845 1.96 | TU          | 1322 2.34 | WE        | 1353 1.35 | TU        | 1718 1.21 | WE        | 1138 1.28 | TH        | 1355 2.36 | FR        | 1303 1.53 |      |   |
|          |           |           |           | 1801 1.12   | 2026 2.23 |           |           |           |           |           | 1845 2.35 |           | 2001 2.27 |           |           |      |   |
| <b>4</b> | 0000 2.61 | <b>12</b> | 0117 1.35 | <b>20</b>   | 0107 2.67 | <b>28</b> | 0327 1.00 | <b>4</b>  | 0000 2.62 | <b>12</b> | 0152 1.03 | <b>20</b> | 0144 2.51 | <b>28</b> | 0335 0.98 |      |   |
|          | 0625 0.41 |           | 0710 1.88 |             | 0739 0.44 |           | 0953 1.94 |           | 0646 0.47 |           | 0802 1.85 |           | 0806 0.64 |           | 1012 1.86 |      |   |
| MO       | 1251 2.33 | TU        | 1324 1.18 | WE          | 1400 2.25 | TH        | 1439 1.33 | WE        | 1311 2.27 | TH        | 1255 1.34 | FR        | 1431 2.64 | SA        | 1415 1.53 |      |   |
|          | 1740 1.06 |           | 1950 2.17 |             | 1830 1.19 | 2105 2.34 |           | 1751 1.22 |           | 1946 2.47 |           | 2011 1.28 |           | 2051 2.35 |           |      |   |
| <b>5</b> | 0026 2.60 | <b>13</b> | 0224 1.07 | <b>21</b>   | 0142 2.50 | <b>29</b> | 0405 0.83 | <b>5</b>  | 0034 2.59 | <b>13</b> | 0256 0.81 | <b>21</b> | 0219 2.37 | <b>29</b> | 0418 0.82 |      |   |
|          | 0656 0.43 |           | 0839 2.00 |             | 0819 0.62 |           | 1031 2.06 |           | 0720 0.52 |           | 0928 1.95 |           | 0839 0.79 |           | 1049 1.98 |      |   |
| TU       | 1320 2.27 | WE        | 1417 1.14 | TH          | 1439 2.15 | FR        | 1515 1.31 | TH        | 1345 2.24 | FR        | 1400 1.34 | SA        | 1508 2.31 | SU        | 1509 1.49 |      |   |
|          | 1804 1.11 |           | 2044 2.39 |             | 1859 1.29 | 2142 2.43 |           | 1826 1.25 |           | 2043 2.58 |           | 2101 1.33 |           | 2138 2.45 |           |      |   |
| <b>6</b> | 0052 2.55 | <b>14</b> | 0317 0.78 | <b>22</b>   | 0212 2.30 | <b>30</b> | 0438 0.68 | <b>6</b>  | 0108 2.52 | <b>14</b> | 0354 0.62 | <b>22</b> | 0253 2.20 | <b>30</b> | 0457 0.69 |      |   |
|          | 0728 0.50 |           | 0951 2.16 |             | 0859 0.82 |           | 1103 2.15 |           | 0755 0.60 |           | 1029 2.08 |           | 0909 0.93 |           | 1124 2.10 |      |   |
| WE       | 1351 2.18 | TH        | 1459 1.09 | FR          | 1522 2.06 | SA        | 1546 1.28 | FR        | 1423 2.21 | SA        | 1452 1.31 | SU        | 1544 2.27 | MO        | 1552 1.43 |      |   |
|          | 1825 1.17 |           | 2135 2.58 | * 1937 1.41 | 2216 2.52 |           |           |           | 1905 1.29 |           | 2139 2.67 |           | 2223 2.53 |           |           |      |   |
| <b>7</b> | 0117 2.46 | <b>15</b> | 0407 0.53 | <b>23</b>   | 0240 2.09 |           |           | <b>7</b>  | 0144 2.42 | <b>15</b> | 0445 0.48 | <b>23</b> | 0329 2.03 | <b>31</b> | 0533 0.59 |      |   |
|          | 0802 0.62 |           | 1044 2.30 |             | 0939 1.01 |           |           |           | 0831 0.72 |           | 1116 2.20 |           | 0935 1.08 |           | 1200 2.20 |      |   |
| TH       | 1424 2.07 | FR        | 1534 1.06 | SA          | 1614 1.99 |           |           | SA        | 1504 2.18 | SU        | 1540 1.27 | MO        | 1620 2.23 | TU        | 1630 1.36 |      |   |
|          | 1844 1.24 |           | 2225 2.74 | ☉           | 2224 1.48 |           |           |           | 1959 1.35 | ☉         | 2237 2.72 | ☉         | 2245 1.38 | ☾         | 2309 2.60 |      |   |
| <b>8</b> | 0143 2.35 | <b>16</b> | 0453 0.34 | <b>24</b>   | 0339 1.89 |           |           | <b>8</b>  | 0227 2.28 | <b>16</b> | 0530 0.41 | <b>24</b> | 0413 1.86 |           |           |      |   |
|          | 0840 0.76 |           | 1127 2.39 |             | 1028 1.17 |           |           |           | 0911 0.87 |           | 1159 2.29 |           | 1006 1.23 |           |           |      |   |
| FR       | 1502 1.96 | SA        | 1610 1.04 | SU          | 1726 1.97 |           |           | SU        | 1550 2.17 | MO        | 1627 1.23 | TU        | 1700 2.20 |           |           |      |   |
|          | 1911 1.34 | ☉         | 2310 2.83 | 2357 1.47   |           |           | ☉         | 2131 1.39 |           | 2332 2.73 |           | 2350 1.36 |           |           |           |      |   |

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Datum of Predictions is Lowest Astronomical Tide

\* Extra Tides

Moon Phase Symbols

☾ New Moon

☾ First Quarter

☉ Full Moon

☾ Last Quarter

**PEEL INLET**

LAT 32°36' S LONG 115°43' E TIME ZONE -0800

TIMES AND HEIGHTS OF HIGH AND LOW WATERS

**JANUARY - 2024**

| Time                          | m                    | Time                  | m            | Time                          | m                    | Time                          | m                    |
|-------------------------------|----------------------|-----------------------|--------------|-------------------------------|----------------------|-------------------------------|----------------------|
| 01 0209<br>1327<br>MO         | 0.60<br>0.38         | 09 1024<br>2301<br>TU | 0.35<br>0.71 | 17 0020<br>1035<br>2109<br>WE | 0.51<br>0.40<br>0.53 | 25 1130<br>TH                 | 0.37                 |
| 02 0200<br>1217<br>TU         | 0.57<br>0.39         | 10 1108<br>2351<br>WE | 0.34<br>0.72 | 18 0853<br>2006<br>TH         | 0.38<br>0.58         | 26 0030<br>1149<br>FR         | 0.68<br>0.37         |
| 03 0132<br>1110<br>2230<br>WE | 0.55<br>0.39<br>0.54 | 11 1154<br>TH         | 0.33         | 19 0845<br>2019<br>FR         | 0.34<br>0.63         | 27 0103<br>1203<br>SA         | 0.66<br>0.38         |
| 04 1017<br>2112<br>TH         | 0.39<br>0.57         | 12 0042<br>1234<br>FR | 0.71<br>0.32 | 20 0903<br>2052<br>SA         | 0.33<br>0.67         | 28 0123<br>1202<br>SU         | 0.63<br>0.39         |
| 05 0956<br>2053<br>FR         | 0.38<br>0.61         | 13 0130<br>1303<br>SA | 0.70<br>0.33 | 21 0930<br>2132<br>SU         | 0.32<br>0.69         | 29 0130<br>1124<br>MO         | 0.60<br>0.40         |
| 06 0953<br>2108<br>SA         | 0.38<br>0.65         | 14 0215<br>1319<br>SU | 0.66<br>0.35 | 22 1000<br>2217<br>MO         | 0.33<br>0.70         | 30 0125<br>1031<br>TU         | 0.57<br>0.41         |
| 07 0948<br>2137<br>SU         | 0.37<br>0.68         | 15 0249<br>1317<br>MO | 0.61<br>0.37 | 23 1033<br>2304<br>TU         | 0.35<br>0.70         | 31 0105<br>0930<br>2152<br>WE | 0.55<br>0.40<br>0.53 |
| 08 0953<br>2215<br>MO         | 0.36<br>0.70         | 16 0301<br>1212<br>TU | 0.55<br>0.40 | 24 1104<br>2350<br>WE         | 0.36<br>0.69         |                               |                      |

**PEEL INLET**

LAT 32°36' S LONG 115°43' E TIME ZONE -0800

TIMES AND HEIGHTS OF HIGH AND LOW WATERS

**FEBRUARY - 2024**

| Time                  | m            | Time                          | m                    | Time                  | m            | Time                          | m                    |
|-----------------------|--------------|-------------------------------|----------------------|-----------------------|--------------|-------------------------------|----------------------|
| 01 0852<br>1851<br>TH | 0.39<br>0.57 | 09 1123<br>FR                 | 0.35                 | 17 0751<br>1919<br>SA | 0.34<br>0.68 | 25 0039<br>1001<br>SU         | 0.64<br>0.43         |
| 02 0844<br>1904<br>FR | 0.39<br>0.61 | 10 0039<br>1141<br>SA         | 0.71<br>0.36         | 18 0822<br>2014<br>SU | 0.34<br>0.69 | 26 0054<br>0923<br>MO         | 0.61<br>0.44         |
| 03 0843<br>1935<br>SA | 0.38<br>0.65 | 11 0123<br>1145<br>SU         | 0.68<br>0.38         | 19 0856<br>2110<br>MO | 0.36<br>0.70 | 27 0059<br>0840<br>TU         | 0.58<br>0.45         |
| 04 0848<br>2017<br>SU | 0.38<br>0.68 | 12 0200<br>1108<br>MO         | 0.62<br>0.41         | 20 0925<br>2205<br>TU | 0.37<br>0.70 | 28 0045<br>0745<br>1535<br>WE | 0.55<br>0.44<br>0.57 |
| 05 0904<br>2107<br>MO | 0.37<br>0.70 | 13 0226<br>1012<br>1620<br>TU | 0.56<br>0.43<br>0.51 | 21 0947<br>2256<br>WE | 0.39<br>0.69 | 29 0727<br>1600<br>TH         | 0.43<br>0.61         |
| 06 0936<br>2201<br>TU | 0.36<br>0.71 | 14 0847<br>1658<br>WE         | 0.42<br>0.56         | 22 1005<br>2339<br>TH | 0.40<br>0.68 |                               |                      |
| 07 1015<br>2257<br>WE | 0.35<br>0.72 | 15 0725<br>1741<br>TH         | 0.39<br>0.61         | 23 1018<br>FR         | 0.41         |                               |                      |
| 08 1053<br>2350<br>TH | 0.34<br>0.72 | 16 0728<br>1828<br>FR         | 0.36<br>0.65         | 24 0014<br>1023<br>SA | 0.67<br>0.42 |                               |                      |

**PEEL INLET**

LAT 32°36' S LONG 115°43' E TIME ZONE -0800

TIMES AND HEIGHTS OF HIGH AND LOW WATERS

**MARCH - 2024**

| Time                  | m            | Time                          | m                    | Time                  | m            | Time                                  | m                            |
|-----------------------|--------------|-------------------------------|----------------------|-----------------------|--------------|---------------------------------------|------------------------------|
| 01 0720<br>1634<br>FR | 0.43<br>0.65 | 09 0958<br>SA                 | 0.42                 | 17 0650<br>1828<br>SU | 0.40<br>0.73 | 25 0007<br>0713<br>1338<br>1909<br>MO | 0.63<br>0.51<br>0.61<br>0.55 |
| 02 0711<br>1720<br>SA | 0.42<br>0.68 | 10 0028<br>0936<br>SU         | 0.69<br>0.45         | 18 0722<br>1935<br>MO | 0.41<br>0.72 | 26 0030<br>0631<br>1349<br>TU         | 0.60<br>0.51<br>0.64         |
| 03 0713<br>1819<br>SU | 0.41<br>0.70 | 11 0109<br>0851<br>MO         | 0.64<br>0.48         | 19 0747<br>2042<br>TU | 0.43<br>0.72 | 27 0603<br>1406<br>WE                 | 0.51<br>0.68                 |
| 04 0735<br>1930<br>MO | 0.40<br>0.72 | 12 0143<br>0752<br>1433<br>TU | 0.57<br>0.49<br>0.60 | 20 0806<br>2141<br>WE | 0.44<br>0.71 | 28 0555<br>1430<br>TH                 | 0.50<br>0.71                 |
| 05 0812<br>2041<br>TU | 0.39<br>0.73 | 13 0635<br>1510<br>WE         | 0.47<br>0.65         | 21 0820<br>2230<br>TH | 0.46<br>0.69 | 29 0532<br>1501<br>FR                 | 0.50<br>0.74                 |
| 06 0850<br>2147<br>WE | 0.39<br>0.74 | 14 0545<br>1549<br>TH         | 0.43<br>0.69         | 22 0825<br>2309<br>FR | 0.48<br>0.68 | 30 0509<br>1539<br>SA                 | 0.48<br>0.76                 |
| 07 0923<br>2248<br>TH | 0.39<br>0.74 | 15 0554<br>1634<br>FR         | 0.40<br>0.71         | 23 0810<br>2341<br>SA | 0.49<br>0.66 | 31 0523<br>1626<br>SU                 | 0.47<br>0.77                 |
| 08 0947<br>2342<br>FR | 0.40<br>0.72 | 16 0618<br>1726<br>SA         | 0.39<br>0.73         | 24 0742<br>SU         | 0.50         |                                       |                              |

**PEEL INLET**

LAT 32°36' S LONG 115°43' E TIME ZONE -0800

TIMES AND HEIGHTS OF HIGH AND LOW WATERS

**APRIL - 2024**

| Time                                  | m                            | Time                  | m            | Time                  | m            | Time                  | m            |
|---------------------------------------|------------------------------|-----------------------|--------------|-----------------------|--------------|-----------------------|--------------|
| 01 0553<br>1726<br>MO                 | 0.45<br>0.77                 | 09 1317<br>TU         | 0.72         | 17 0617<br>1929<br>WE | 0.51<br>0.74 | 25 0401<br>1321<br>TH | 0.58<br>0.82 |
| 02 0630<br>1844<br>TU                 | 0.45<br>0.77                 | 10 0412<br>1350<br>WE | 0.53<br>0.76 | 18 0624<br>2024<br>TH | 0.52<br>0.72 | 26 0053<br>1353<br>FR | 0.57<br>0.84 |
| 03 0705<br>2006<br>WE                 | 0.45<br>0.77                 | 11 0358<br>1426<br>TH | 0.50<br>0.79 | 19 0618<br>2117<br>FR | 0.54<br>0.70 | 27 0319<br>1430<br>SA | 0.55<br>0.85 |
| 04 0730<br>2122<br>TH                 | 0.46<br>0.76                 | 12 0414<br>1506<br>FR | 0.47<br>0.81 | 20 0600<br>2207<br>SA | 0.56<br>0.68 | 28 0349<br>1512<br>SU | 0.53<br>0.85 |
| 05 0741<br>2230<br>FR                 | 0.48<br>0.74                 | 13 0442<br>1549<br>SA | 0.46<br>0.81 | 21 0529<br>1228<br>SU | 0.57<br>0.69 | 29 0427<br>1559<br>MO | 0.51<br>0.85 |
| 06 0731<br>2328<br>SA                 | 0.51<br>0.70                 | 14 0513<br>1638<br>SU | 0.46<br>0.80 | 22 0458<br>1224<br>MO | 0.58<br>0.72 | 30 0502<br>1652<br>TU | 0.51<br>0.84 |
| 07 0710<br>SU                         | 0.53                         | 15 0540<br>1731<br>MO | 0.48<br>0.78 | 23 0427<br>1235<br>TU | 0.58<br>0.76 |                       |              |
| 08 0016<br>0622<br>1252<br>2010<br>MO | 0.65<br>0.55<br>0.66<br>0.56 | 16 0601<br>1830<br>TU | 0.49<br>0.76 | 24 0417<br>1255<br>WE | 0.58<br>0.79 |                       |              |

Datum of predictions is Peel Inlet, Low Water 1994 which is 1.216 m below benchmark PWD WA, A 895.

**PEEL INLET**

LAT 32°36' S LONG 115°43' E TIME ZONE -0800

TIMES AND HEIGHTS OF HIGH AND LOW WATERS

**MAY - 2024**

| Time            | m            | Time            | m            | Time            | m            | Time            | m            |
|-----------------|--------------|-----------------|--------------|-----------------|--------------|-----------------|--------------|
| 01 0530<br>1755 | 0.51<br>0.82 | 09 0014<br>1314 | 0.55<br>0.88 | 17 0434<br>1558 | 0.59<br>0.75 | 25 0104<br>1333 | 0.59<br>0.91 |
| 02 0544<br>1905 | 0.52<br>0.79 | 10 0235<br>1354 | 0.53<br>0.89 | 18 0359<br>1213 | 0.61<br>0.74 | 26 0229<br>1416 | 0.57<br>0.91 |
| 03 0542<br>2026 | 0.55<br>0.75 | 11 0317<br>1436 | 0.53<br>0.89 | 19 0310<br>1123 | 0.62<br>0.77 | 27 0315<br>1500 | 0.55<br>0.90 |
| 04 0528<br>2200 | 0.58<br>0.70 | 12 0352<br>1517 | 0.53<br>0.87 | 20 0226<br>1112 | 0.63<br>0.80 | 28 0349<br>1543 | 0.54<br>0.88 |
| 05 0451<br>1141 | 0.60<br>0.72 | 13 0418<br>1555 | 0.54<br>0.85 | 21 0211<br>1123 | 0.63<br>0.84 | 29 0411<br>1623 | 0.55<br>0.85 |
| 06 0411<br>1145 | 0.62<br>0.77 | 14 0436<br>1622 | 0.55<br>0.82 | 22 1145<br>2248 | 0.87<br>0.62 | 30 0418<br>1659 | 0.56<br>0.81 |
| 07 1208<br>2250 | 0.82<br>0.57 | 15 0447<br>1636 | 0.56<br>0.80 | 23 1215<br>2342 | 0.89<br>0.60 | 31 0410<br>1715 | 0.59<br>0.76 |
| 08 1238         | 0.86         | 16 0447<br>1631 | 0.57<br>0.77 | 24 1252         | 0.90         |                 |              |

**PEEL INLET**

LAT 32°36' S LONG 115°43' E TIME ZONE -0800

TIMES AND HEIGHTS OF HIGH AND LOW WATERS

**JUNE - 2024**

| Time            | m            | Time            | m            | Time            | m            | Time            | m            |
|-----------------|--------------|-----------------|--------------|-----------------|--------------|-----------------|--------------|
| 01 0330<br>1132 | 0.62<br>0.73 | 09 0245<br>1415 | 0.56<br>0.90 | 17 0955<br>2311 | 0.82<br>0.62 | 25 0250<br>1452 | 0.54<br>0.88 |
| 02 0221<br>1032 | 0.64<br>0.78 | 10 0312<br>1449 | 0.56<br>0.88 | 18 1009<br>2304 | 0.86<br>0.61 | 26 0257<br>1526 | 0.55<br>0.84 |
| 03 0053<br>1033 | 0.63<br>0.83 | 11 0327<br>1509 | 0.57<br>0.85 | 19 1035<br>2245 | 0.88<br>0.61 | 27 0254<br>1546 | 0.57<br>0.79 |
| 04 1057<br>2230 | 0.88<br>0.58 | 12 0333<br>1514 | 0.58<br>0.82 | 20 1111<br>2316 | 0.90<br>0.59 | 28 0231<br>1455 | 0.59<br>0.73 |
| 05 1130<br>2328 | 0.91<br>0.56 | 13 0324<br>1503 | 0.59<br>0.79 | 21 1152         | 0.91         | 29 0042<br>1021 | 0.61<br>0.72 |
| 06 1208         | 0.92         | 14 0248<br>1441 | 0.61<br>0.77 | 22 0021<br>1239 | 0.58<br>0.92 | 30 0910<br>2143 | 0.77<br>0.58 |
| 07 0053<br>1250 | 0.56<br>0.93 | 15 0111<br>1121 | 0.62<br>0.76 | 23 0132<br>1326 | 0.56<br>0.92 |                 |              |
| 08 0202<br>1334 | 0.56<br>0.92 | 16 0012<br>1012 | 0.62<br>0.78 | 24 0221<br>1411 | 0.55<br>0.91 |                 |              |

**PEEL INLET**

LAT 32°36' S LONG 115°43' E TIME ZONE -0800

TIMES AND HEIGHTS OF HIGH AND LOW WATERS

**JULY - 2024**

| Time            | m            | Time            | m            | Time            | m            | Time            | m            |
|-----------------|--------------|-----------------|--------------|-----------------|--------------|-----------------|--------------|
| 01 0914<br>2143 | 0.82<br>0.56 | 09 0216<br>1415 | 0.55<br>0.81 | 17 0921<br>2203 | 0.83<br>0.55 | 25 0104<br>1504 | 0.54<br>0.71 |
| 02 0943<br>2205 | 0.86<br>0.54 | 10 0212<br>1419 | 0.56<br>0.78 | 18 1004<br>2234 | 0.85<br>0.54 | 26 1419<br>2208 | 0.65<br>0.56 |
| 03 1021<br>2246 | 0.89<br>0.54 | 11 0144<br>1410 | 0.58<br>0.75 | 19 1053<br>2324 | 0.86<br>0.53 | 27 0643<br>2031 | 0.66<br>0.54 |
| 04 1105<br>2341 | 0.90<br>0.54 | 12 1352<br>2233 | 0.73<br>0.58 | 20 1144         | 0.87         | 28 0657<br>2020 | 0.71<br>0.50 |
| 05 1152         | 0.90         | 13 1251<br>2147 | 0.70<br>0.57 | 21 0025<br>1234 | 0.51<br>0.87 | 29 0735<br>2036 | 0.76<br>0.48 |
| 06 0045<br>1240 | 0.54<br>0.89 | 14 0823<br>2139 | 0.73<br>0.57 | 22 0131<br>1320 | 0.50<br>0.85 | 30 0819<br>2106 | 0.79<br>0.47 |
| 07 0141<br>1323 | 0.55<br>0.87 | 15 0823<br>2144 | 0.77<br>0.56 | 23 0231<br>1402 | 0.51<br>0.82 | 31 0909<br>2145 | 0.81<br>0.48 |
| 08 0211<br>1357 | 0.55<br>0.85 | 16 0846<br>2150 | 0.81<br>0.56 | 24 0121<br>1438 | 0.52<br>0.78 |                 |              |

**PEEL INLET**

LAT 32°36' S LONG 115°43' E TIME ZONE -0800

TIMES AND HEIGHTS OF HIGH AND LOW WATERS

**AUGUST - 2024**

| Time            | m            | Time            | m            | Time            | m            | Time            | m            |
|-----------------|--------------|-----------------|--------------|-----------------|--------------|-----------------|--------------|
| 01 1002<br>2227 | 0.82<br>0.49 | 09 1319<br>2029 | 0.63<br>0.52 | 17 1044<br>2236 | 0.78<br>0.45 | 25 0433<br>1845 | 0.66<br>0.43 |
| 02 1057<br>2310 | 0.81<br>0.50 | 10 0445<br>2012 | 0.62<br>0.51 | 18 1138<br>2309 | 0.78<br>0.45 | 26 0529<br>1908 | 0.69<br>0.41 |
| 03 1147<br>2345 | 0.80<br>0.50 | 11 0519<br>2014 | 0.66<br>0.50 | 19 1227<br>2322 | 0.76<br>0.46 | 27 0632<br>1943 | 0.71<br>0.40 |
| 04 1231<br>2359 | 0.79<br>0.51 | 12 0603<br>2017 | 0.69<br>0.49 | 20 1311<br>2316 | 0.73<br>0.48 | 28 0741<br>2020 | 0.71<br>0.41 |
| 05 1306         | 0.76         | 13 0654<br>2023 | 0.72<br>0.49 | 21 1351<br>2206 | 0.68<br>0.50 | 29 0847<br>2056 | 0.71<br>0.43 |
| 06 0002<br>1330 | 0.52<br>0.73 | 14 0747<br>2039 | 0.74<br>0.48 | 22 1425<br>2111 | 0.62<br>0.51 | 30 0952<br>2123 | 0.71<br>0.44 |
| 07 1339<br>2238 | 0.70<br>0.53 | 15 0845<br>2112 | 0.76<br>0.47 | 23 0258<br>1954 | 0.58<br>0.50 | 31 1049<br>2141 | 0.70<br>0.45 |
| 08 1334<br>2130 | 0.66<br>0.53 | 16 0945<br>2154 | 0.77<br>0.46 | 24 0344<br>1845 | 0.62<br>0.46 |                 |              |

Datum of predictions is Peel Inlet, Low Water 1994 which is 1.216 m below benchmark PWD WA, A 895.

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PEEL INLET

LAT 32°36' S LONG 115°43' E TIME ZONE -0800

TIMES AND HEIGHTS OF HIGH AND LOW WATERS

SEPTEMBER - 2024

Table for September 2024 tide predictions. Columns: Day, Time, m, Day, Time, m, Day, Time, m, Day, Time, m. Includes moon phase icons.

PEEL INLET

LAT 32°36' S LONG 115°43' E TIME ZONE -0800

TIMES AND HEIGHTS OF HIGH AND LOW WATERS

OCTOBER - 2024

Table for October 2024 tide predictions. Columns: Day, Time, m, Day, Time, m, Day, Time, m, Day, Time, m. Includes moon phase icons.

PEEL INLET

LAT 32°36' S LONG 115°43' E TIME ZONE -0800

TIMES AND HEIGHTS OF HIGH AND LOW WATERS

NOVEMBER - 2024

Table for November 2024 tide predictions. Columns: Day, Time, m, Day, Time, m, Day, Time, m, Day, Time, m. Includes moon phase icons.

PEEL INLET

LAT 32°36' S LONG 115°43' E TIME ZONE -0800

TIMES AND HEIGHTS OF HIGH AND LOW WATERS

DECEMBER - 2024

Table for December 2024 tide predictions. Columns: Day, Time, m, Day, Time, m, Day, Time, m, Day, Time, m. Includes moon phase icons.

Datum of predictions is Peel Inlet, Low Water 1994 which is 1.216 m below benchmark PWD WA, A 895.

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# AUSTRALIA, WEST COAST – PERTH (BARRACK STREET)

# 2024

LAT 31° 58' S LONG 115° 51' E

TIMES AND HEIGHTS OF HIGH AND LOW WATERS

TIME ZONE -0800

## JANUARY

## FEBRUARY

| Time | m                                   | Time | m                                   | Time | m                      | Time | m                                   |
|------|-------------------------------------|------|-------------------------------------|------|------------------------|------|-------------------------------------|
| 1    | 0017 1.03<br>1020 0.61              | 9    | 0748 0.50<br>2129 1.20              | 17   | 0842 0.67<br>1801 0.92 | 25   | 0853 0.53<br>2247 1.15              |
| MO   |                                     | TU   |                                     | WE   |                        | TH   |                                     |
| 2    | 0017 0.98<br>0940 0.64<br>2340 0.93 | 10   | 0826 0.47<br>2215 1.22              | 18   | 0746 0.64<br>1806 1.00 | 26   | 0909 0.55<br>2319 1.13              |
| TU   |                                     | WE   |                                     | TH   | ☉                      | FR   | ☉                                   |
| 3    | 0900 0.65<br>1951 0.91              | 11   | 0904 0.45<br>2300 1.22              | 19   | 0651 0.59<br>1831 1.06 | 27   | 0916 0.57<br>2342 1.09              |
| WE   |                                     | TH   | ☉                                   | FR   |                        | SA   |                                     |
| 4    | 0841 0.65<br>1900 0.96              | 12   | 0941 0.45<br>2344 1.20              | 20   | 0645 0.54<br>1909 1.11 | 28   | 0916 0.60<br>2353 1.04              |
| TH   | ☉                                   | FR   |                                     | SA   |                        | SU   |                                     |
| 5    | 0819 0.64<br>1903 1.02              | 13   | 1012 0.47                           | 21   | 0707 0.50<br>1953 1.14 | 29   | 0907 0.63<br>2359 0.99              |
| FR   |                                     | SA   |                                     | SU   |                        | MO   |                                     |
| 6    | 0735 0.63<br>1927 1.08              | 14   | 0024 1.15<br>1034 0.53              | 22   | 0736 0.49<br>2039 1.16 | 30   | 0827 0.65<br>1623 0.85<br>1812 0.85 |
| SA   |                                     | SU   |                                     | MO   |                        | TU   |                                     |
| 7    | 0708 0.59<br>2001 1.13              | 15   | 0054 1.07<br>1034 0.59              | 23   | 0804 0.50<br>2125 1.16 | 31   | 0000 0.94<br>0758 0.65<br>1605 0.90 |
| SU   |                                     | MO   |                                     | TU   |                        | WE   | *                                   |
| 8    | 0717 0.55<br>2043 1.17              | 16   | 0042 0.97<br>0959 0.65<br>2248 0.89 | 24   | 0830 0.51<br>2208 1.16 |      |                                     |
| MO   |                                     | TU   |                                     | WE   |                        |      |                                     |

| Time | m                      | Time | m  | Time | m  | Time | m  |
|------|------------------------|------|--|------|--|------|--|
| 1    | 0744 0.65<br>1611 0.95 | 9    | 0837 0.48<br>2300 1.21                           | 17   | 0545 0.55<br>1702 1.10                           | 25   | 0755 0.65<br>1402 0.83<br>1632 0.81<br>2328 1.03 |
| TH   |                        | FR   |  | SA   |  | SU   |  |
| 2    | 0730 0.64<br>1636 1.01 | 10   | 0903 0.51<br>2345 1.16                           | 18   | 0609 0.52<br>1805 1.11                           | 26   | 0738 0.68<br>1400 0.87<br>1734 0.82<br>2340 0.98 |
| FR   |                        | SA   | ☉  | SU   |  | MO   |  |
| 3    | 0706 0.63<br>1718 1.06 | 11   | 0916 0.57  | 19   | 0637 0.52<br>1921 1.11                           | 27   | 0705 0.70<br>1356 0.91<br>1834 0.82<br>2350 0.92 |
| SA   | ☉                      | SU   |  | MO   |  | TU   |  |
| 4    | 0638 0.60<br>1815 1.10 | 12   | 0026 1.08<br>0908 0.63<br>1514 0.81<br>1720 0.80 | 20   | 0703 0.53<br>2026 1.12                           | 28   | 0646 0.70<br>1400 0.96<br>1945 0.82<br>2358 0.86 |
| SU   |                        | MO   |  | TU   |  | WE   |  |
| 5    | 0634 0.56<br>1922 1.14 | 13   | 0054 0.96<br>0828 0.69<br>1513 0.88              | 21   | 0725 0.55<br>2118 1.13                           | 29   | 0637 0.69<br>1414 1.01                           |
| MO   |                        | TU   | *  | WE   |  | TH   |  |
| 6    | 0657 0.52<br>2024 1.18 | 14   | 0727 0.70<br>1528 0.96                           | 22   | 0742 0.58<br>2202 1.12                           |      |  |
| TU   |                        | WE   |  | TH   |  |      |  |
| 7    | 0730 0.49<br>2119 1.21 | 15   | 0635 0.66<br>1548 1.02                           | 23   | 0753 0.60<br>2239 1.11                           |      |  |
| WE   |                        | TH   |  | FR   |  |      |  |
| 8    | 0804 0.47<br>2211 1.23 | 16   | 0549 0.60<br>1618 1.07                           | 24   | 0758 0.62<br>1418 0.80<br>1507 0.80<br>2308 1.08 |      |  |
| TH   |                        | FR   | ☉  | SA   | ☉  |      |  |

## MARCH

## APRIL

| Time | m                      | Time | m  | Time | m  | Time | m  |
|------|------------------------|------|--|------|--|------|--|
| 1    | 0626 0.68<br>1440 1.05 | 9    | 0732 0.59<br>2300 1.15                           | 17   | 0443 0.57<br>1557 1.13                           | 25   | 0548 0.76<br>1224 0.97<br>1752 0.83<br>2330 0.96 |
| FR   |                        | SA   |  | SU   | ☉  | MO   | ☉  |
| 2    | 0600 0.67<br>1515 1.08 | 10   | 0739 0.65<br>1323 0.83<br>1646 0.80<br>2350 1.07 | 18   | 0513 0.57<br>1700 1.10                           | 26   | 0531 0.77<br>1228 1.02<br>1847 0.81<br>2357 0.91 |
| SA   |                        | SU   | ☉  | MO   |  | TU   |  |
| 3    | 0526 0.64<br>1601 1.11 | 11   | 0723 0.71<br>1317 0.90<br>1817 0.79              | 19   | 0537 0.59<br>1837 1.09                           | 27   | 0520 0.77<br>1237 1.07<br>2003 0.80              |
| SU   | ☉                      | MO   |  | TU   |  | WE   |  |
| 4    | 0517 0.60<br>1710 1.13 | 12   | 0038 0.96<br>0645 0.75<br>1330 0.98<br>2011 0.79 | 20   | 0553 0.62<br>2003 1.08                           | 28   | 0028 0.85<br>0515 0.76<br>1254 1.11<br>2142 0.77 |
| MO   |                        | TU   |  | WE   |  | TH   |  |
| 5    | 0539 0.56<br>1845 1.15 | 13   | 0120 0.84<br>0557 0.75<br>1348 1.05              | 21   | 0604 0.65<br>2102 1.08                           | 29   | 0108 0.79<br>0504 0.75<br>1320 1.14              |
| TU   |                        | WE   |  | TH   |  | FR   |  |
| 6    | 0611 0.54<br>2006 1.18 | 14   | 0503 0.71<br>1411 1.10                           | 22   | 0610 0.68<br>2149 1.07                           | 30   | 0045 0.74<br>0212 0.74<br>0414 0.73<br>1351 1.16 |
| WE   |                        | TH   |  | FR   |  | SA   |  |
| 7    | 0643 0.53<br>2110 1.20 | 15   | 0405 0.64<br>1437 1.13                           | 23   | 0608 0.70<br>1229 0.90<br>1602 0.86<br>2228 1.05 | 31   | 0212 0.69<br>1428 1.17                           |
| TH   |                        | FR   |  | SA   |  | SU   |  |
| 8    | 0712 0.55<br>2207 1.19 | 16   | 0413 0.59<br>1512 1.14                           | 24   | 0601 0.73<br>1223 0.93<br>1700 0.84<br>2301 1.01 |      |  |
| FR   |                        | SA   |  | SU   |  |      |  |

| Time | m  | Time | m  | Time | m  | Time | m  |
|------|--|------|--|------|--|------|--|
| 1    | 0303 0.64<br>1515 1.17                           | 9    | 0009 0.95<br>0456 0.83<br>1205 1.11<br>2012 0.76 | 17   | 0404 0.69<br>1700 1.08                           | 25   | 0052 0.87<br>0340 0.85<br>1146 1.22<br>2111 0.76 |
| MO   |  | TU   | ☉  | WE   |  | TH   |  |
| 2    | 0347 0.61<br>1625 1.17                           | 10   | 0108 0.85<br>0407 0.82<br>1226 1.17<br>2225 0.72 | 18   | 0415 0.72<br>1850 1.04                           | 26   | 0210 0.83<br>0300 0.83<br>1215 1.25<br>2219 0.73 |
| TU   | ☉  | WE   |  | TH   |  | FR   |  |
| 3    | 0426 0.60<br>1805 1.16                           | 11   | 1251 1.21  | 19   | 0417 0.75<br>1159 0.98<br>1503 0.97<br>2024 1.02 | 27   | 1247 1.26<br>2341 0.70                           |
| WE   |  | TH   |  | FR   |  | SA   |  |
| 4    | 0458 0.61<br>1942 1.16                           | 12   | 0012 0.67<br>1319 1.23                           | 20   | 0413 0.79<br>1108 1.01<br>1616 0.92<br>2131 1.00 | 28   | 1323 1.26  |
| TH   |  | FR   |  | SA   |  | SU   |  |
| 5    | 0521 0.64<br>2100 1.14                           | 13   | 0129 0.64<br>1350 1.23                           | 21   | 0410 0.81<br>1057 1.05<br>1708 0.89<br>2226 0.98 | 29   | 0058 0.68<br>1401 1.25                           |
| FR   |  | SA   |  | SU   |  | MO   |  |
| 6    | 0536 0.68<br>1217 0.91<br>1526 0.88<br>2208 1.10 | 14   | 0233 0.63<br>1424 1.20                           | 22   | 0401 0.84<br>1100 1.09<br>1801 0.85<br>2315 0.94 | 30   | 0159 0.66<br>1448 1.23                           |
| SA   |  | SU   |  | MO   |  | TU   |  |
| 7    | 0538 0.74<br>1146 0.96<br>1700 0.84<br>2311 1.04 | 15   | 0318 0.64<br>1502 1.16                           | 23   | 0348 0.85<br>1109 1.14<br>1901 0.82              |      |  |
| SU   |  | MO   |  | TU   |  |      |  |
| 8    | 0523 0.80<br>1149 1.03<br>1828 0.80              | 16   | 0346 0.66<br>1548 1.12                           | 24   | 0001 0.91<br>0343 0.85<br>1124 1.19<br>2006 0.79 |      |  |
| MO   |  | TU   | ☉  | WE   | ☉  |      |  |

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Datum of Predictions is Chart Datum

\* Extra Tides

Moon Phase Symbols ● New Moon ○ First Quarter ○ Full Moon ○ Last Quarter

# AUSTRALIA, WEST COAST – PERTH (BARRACK STREET)

LAT 31° 58' S LONG 115° 51' E

# 2024

TIMES AND HEIGHTS OF HIGH AND LOW WATERS

TIME ZONE -0800

## MAY

| Time | m                            | Time                         | m  | Time         | m            | Time | m                            |                              |
|------|------------------------------|------------------------------|----|--------------|--------------|------|------------------------------|------------------------------|
| 1    | 0245<br>1551                 | 0.66<br>1.20                 | 9  | 1138<br>2236 | 1.31<br>0.68 | 17   | 0232<br>1135                 | 0.82<br>1.06                 |
| WE   |                              |                              | TH |              |              | FR   | SA                           |                              |
| 2    | 0319<br>1718                 | 0.68<br>1.15                 | 10 | 1211<br>2335 | 1.32<br>0.67 | 18   | 0220<br>0955                 | 0.86<br>1.08                 |
| TH   |                              |                              | FR |              |              | SA   | SU                           |                              |
| 3    | 0340<br>1906                 | 0.72<br>1.09                 | 11 | 1245         | 1.31         | 19   | 0204<br>0935<br>1811<br>2138 | 0.88<br>1.13<br>0.92<br>0.93 |
| FR   |                              |                              | SA |              |              | SU   | MO                           |                              |
| 4    | 0350<br>1048<br>1534<br>2059 | 0.78<br>1.01<br>0.95<br>1.04 | 12 | 0030<br>1317 | 0.68<br>1.28 | 20   | 0143<br>0938<br>1823<br>2306 | 0.90<br>1.18<br>0.87<br>0.92 |
| SA   |                              |                              | SU |              |              | MO   | TU                           |                              |
| 5    | 0347<br>1020<br>1706<br>2230 | 0.83<br>1.07<br>0.88<br>0.99 | 13 | 0118<br>1346 | 0.69<br>1.24 | 21   | 0134<br>0952<br>1909         | 0.91<br>1.23<br>0.83         |
| SU   |                              |                              | MO |              |              | TU   | WE                           |                              |
| 6    | 0331<br>1028<br>1835<br>2349 | 0.88<br>1.15<br>0.81<br>0.93 | 14 | 0157<br>1406 | 0.72<br>1.19 | 22   | 1014<br>2000                 | 1.27<br>0.79                 |
| MO   |                              |                              | TU |              |              | WE   | TH                           |                              |
| 7    | 0256<br>1046<br>1705         | 0.90<br>1.22<br>0.76         | 15 | 0224<br>1413 | 0.75<br>1.14 | 23   | 1042<br>2052                 | 1.30<br>0.76                 |
| TU   |                              |                              | WE |              |              | TH   | FR                           |                              |
| 8    | 1110<br>2128                 | 1.27<br>0.71                 | 16 | 0237<br>1408 | 0.79<br>1.09 | 24   | 1115<br>2143                 | 1.32<br>0.72                 |
| WE   |                              |                              | TH |              |              | FR   |                              |                              |

## JUNE

| Time | m                            | Time                         | m  | Time                 | m                    | Time | m            |              |
|------|------------------------------|------------------------------|----|----------------------|----------------------|------|--------------|--------------|
| 1    | 0202<br>0932<br>1621<br>1728 | 0.85<br>1.07<br>0.99<br>0.99 | 9  | 1223<br>2342         | 1.32<br>0.72         | 17   | 0815<br>1936 | 1.19<br>0.86 |
| SA   |                              |                              | SU |                      |                      | MO   | TU           |              |
| 2    | 0127<br>0857<br>1749         | 0.90<br>1.14<br>0.89         | 10 | 1253                 | 1.28                 | 18   | 0833<br>1923 | 1.24<br>0.82 |
| SU   |                              |                              | MO |                      |                      | TU   | WE           |              |
| 3    | 0906<br>1900                 | 1.21<br>0.81                 | 11 | 0015<br>1311         | 0.75<br>1.23         | 19   | 0902<br>1945 | 1.28<br>0.78 |
| MO   |                              |                              | TU |                      |                      | WE   | TH           |              |
| 4    | 0928<br>1957                 | 1.28<br>0.75                 | 12 | 0036<br>1312         | 0.78<br>1.18         | 20   | 0938<br>2023 | 1.31<br>0.74 |
| TU   |                              |                              | WE |                      |                      | TH   | FR           |              |
| 5    | 0957<br>2049                 | 1.32<br>0.71                 | 13 | 0022<br>1308<br>2350 | 0.82<br>1.13<br>0.85 | 21   | 1017<br>2105 | 1.34<br>0.71 |
| WE   |                              |                              | TH |                      |                      | FR   | SA           |              |
| 6    | 1030<br>2138                 | 1.35<br>0.69                 | 14 | 1218<br>2227         | 1.09<br>0.87         | 22   | 1100<br>2146 | 1.35<br>0.68 |
| TH   |                              |                              | FR |                      |                      | SA   | SU           |              |
| 7    | 1108<br>2223                 | 1.35<br>0.68                 | 15 | 0845<br>2153         | 1.08<br>0.88         | 23   | 1142<br>2229 | 1.35<br>0.67 |
| FR   |                              |                              | SA |                      |                      | SU   |              |              |
| 8    | 1146<br>2304                 | 1.34<br>0.70                 | 16 | 0810<br>2108         | 1.13<br>0.88         | 24   | 1223<br>2309 | 1.34<br>0.68 |
| SA   |                              |                              | SU |                      |                      | MO   |              |              |

## JULY

| Time | m            | Time         | m  | Time                         | m                            | Time | m            |              |
|------|--------------|--------------|----|------------------------------|------------------------------|------|--------------|--------------|
| 1    | 0738<br>1900 | 1.20<br>0.77 | 9  | 1230<br>2241                 | 1.22<br>0.78                 | 17   | 0742<br>1908 | 1.21<br>0.74 |
| MO   |              |              | TU |                              |                              | WE   | TH           |              |
| 2    | 0809<br>1930 | 1.25<br>0.71 | 10 | 1235<br>2221                 | 1.16<br>0.81                 | 18   | 0830<br>1938 | 1.25<br>0.70 |
| TU   |              |              | WE |                              |                              | TH   | FR           |              |
| 3    | 0846<br>2009 | 1.30<br>0.68 | 11 | 1233<br>2131                 | 1.11<br>0.83                 | 19   | 0918<br>2015 | 1.28<br>0.67 |
| WE   |              |              | TH |                              |                              | FR   | SA           |              |
| 4    | 0928<br>2048 | 1.32<br>0.67 | 12 | 1230<br>2040                 | 1.06<br>0.83                 | 20   | 1006<br>2053 | 1.31<br>0.65 |
| TH   |              |              | FR |                              |                              | SA   | SU           |              |
| 5    | 1012<br>2125 | 1.32<br>0.68 | 13 | 0614<br>0838<br>1050<br>2023 | 1.02<br>1.01<br>1.02<br>0.83 | 21   | 1052<br>2129 | 1.32<br>0.64 |
| FR   |              |              | SA |                              |                              | SU   | MO           |              |
| 6    | 1055<br>2158 | 1.32<br>0.69 | 14 | 0601<br>2002                 | 1.07<br>0.82                 | 22   | 1137<br>2201 | 1.31<br>0.66 |
| SA   |              |              | SU |                              |                              | MO   | TU           |              |
| 7    | 1134<br>2225 | 1.29<br>0.71 | 15 | 0621<br>1927                 | 1.12<br>0.80                 | 23   | 1219<br>2225 | 1.27<br>0.70 |
| SU   |              |              | MO |                              |                              | TU   | WE           |              |
| 8    | 1208<br>2244 | 1.26<br>0.74 | 16 | 0657<br>1900                 | 1.17<br>0.77                 | 24   | 1259<br>2226 | 1.19<br>0.76 |
| MO   |              |              | TU |                              |                              | WE   |              |              |

## AUGUST

| Time | m                            | Time                         | m  | Time                         | m                            | Time | m                            |                              |
|------|------------------------------|------------------------------|----|------------------------------|------------------------------|------|------------------------------|------------------------------|
| 1    | 0825<br>1951                 | 1.22<br>0.64                 | 9  | 0229<br>0633<br>1214<br>1923 | 0.92<br>0.88<br>0.98<br>0.79 | 17   | 0905<br>1941                 | 1.21<br>0.60                 |
| TH   |                              |                              | FR |                              |                              | SA   | SU                           |                              |
| 2    | 0918<br>2023                 | 1.23<br>0.65                 | 10 | 0233<br>0751<br>1215<br>1909 | 0.97<br>0.89<br>0.92<br>0.77 | 18   | 0959<br>2014                 | 1.23<br>0.61                 |
| FR   |                              |                              | SA |                              |                              | SU   | MO                           |                              |
| 3    | 1006<br>2050                 | 1.23<br>0.67                 | 11 | 0255<br>1852                 | 1.02<br>0.76                 | 19   | 1048<br>2041                 | 1.22<br>0.64                 |
| SA   |                              |                              | SU |                              |                              | MO   | TU                           |                              |
| 4    | 1049<br>2109                 | 1.21<br>0.69                 | 12 | 0330<br>1826                 | 1.06<br>0.74                 | 20   | 1136<br>2053                 | 1.18<br>0.69                 |
| SU   |                              |                              | MO |                              |                              | TU   | WE                           |                              |
| 5    | 1125<br>2117                 | 1.19<br>0.72                 | 13 | 0420<br>1801                 | 1.09<br>0.71                 | 21   | 0148<br>0408<br>1223<br>2041 | 0.80<br>0.78<br>1.11<br>0.75 |
| MO   |                              |                              | TU |                              |                              | WE   | TH                           |                              |
| 6    | 1152<br>2108                 | 1.15<br>0.75                 | 14 | 0529<br>1803                 | 1.11<br>0.68                 | 22   | 0146<br>0546<br>1309<br>1951 | 0.85<br>0.79<br>1.01<br>0.79 |
| TU   |                              |                              | WE |                              |                              | TH   | FR                           |                              |
| 7    | 0238<br>0427<br>1206<br>2047 | 0.85<br>0.84<br>1.09<br>0.78 | 15 | 0656<br>1830                 | 1.14<br>0.65                 | 23   | 0200<br>0722<br>1351<br>1850 | 0.92<br>0.81<br>0.89<br>0.79 |
| WE   |                              |                              | TH |                              |                              | FR   | SA                           |                              |
| 8    | 0235<br>0529<br>1210<br>1951 | 0.88<br>0.86<br>1.04<br>0.79 | 16 | 0807<br>1905                 | 1.17<br>0.62                 | 24   | 0219<br>1748                 | 0.99<br>0.75                 |
| TH   |                              |                              | FR |                              |                              | SA   |                              |                              |

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Datum of Predictions is Chart Datum

Moon Phase Symbols ● New Moon ○ First Quarter ○ Full Moon ○ Last Quarter



# AUSTRALIA, WEST COAST – PERTH (BARRACK STREET)

LAT 31° 58' S LONG 115° 51' E

# 2024

TIMES AND HEIGHTS OF HIGH AND LOW WATERS

TIME ZONE -0800

## SEPTEMBER

## OCTOBER

| Time | m  | Time | m                      | Time | m  | Time | m  | Time | m  | Time | m  | Time | m  |    |  |
|------|--|------|------------------------|------|--|------|--|------|--|------|--|------|--|----|--|
| 1    | 1003 1.09<br>1931 0.68                           | 9    | 0141 1.04<br>1649 0.70 | 17   | 0023 0.78<br>0324 0.75<br>1051 1.07<br>1853 0.69 | 25   | 0308 1.04<br>1622 0.55                           | 1    | 0428 0.74<br>1045 0.92<br>1707 0.72<br>2318 0.89 | 9    | 0133 1.06<br>1348 0.58                           | 17   | 0614 0.63<br>1221 0.82<br>1600 0.78<br>2312 1.02 | 25 | 0223 0.95<br>1523 0.60                           |
| SU   |  | MO   |                        | TU   |  | WE   | ☉  | TU   |  | WE   |  | TH   |  | FR |  |
| 2    | 0048 0.79<br>0248 0.79<br>1045 1.07<br>1930 0.71 | 10   | 0216 1.05<br>1557 0.66 | 18   | 0005 0.82<br>0451 0.72<br>1147 1.00<br>1832 0.74 | 26   | 0415 1.00<br>1655 0.57                           | 2    | 0513 0.71<br>1124 0.88<br>1655 0.74<br>2323 0.93 | 10   | 0215 1.04<br>1449 0.56                           | 18   | 0745 0.59<br>2333 1.08                           | 26 | 0212 0.89<br>1534 0.64<br>2330 0.86              |
| MO   |  | TU   |                        | WE   |  | TH   |  | WE   |  | TH   |  | FR   |  | SA |  |
| 3    | 0039 0.82<br>0403 0.78<br>1118 1.04<br>1915 0.73 | 11   | 0302 1.05<br>1611 0.63 | 19   | 0013 0.88<br>0606 0.70<br>1243 0.91<br>1757 0.77 | 27   | 0610 0.97<br>1715 0.60                           | 3    | 0558 0.69<br>1201 0.84<br>1637 0.75<br>2329 0.97 | 11   | 0319 1.02<br>1535 0.55                           | 19   | 0920 0.55  | 27 | 0419 0.83<br>0605 0.83<br>1528 0.67<br>2225 0.87 |
| TU   |  | WE   | ☉                      | TH   |  | FR   |  | TH   |  | FR   |  | SA   |  | SU |  |
| 4    | 0042 0.85<br>0458 0.77<br>1145 0.99<br>1847 0.76 | 12   | 0413 1.05<br>1649 0.60 | 20   | 0030 0.95<br>0742 0.68<br>1342 0.81<br>1703 0.77 | 28   | 0801 0.96<br>1726 0.64                           | 4    | 0647 0.68<br>1240 0.80<br>1628 0.74<br>2341 1.01 | 12   | 0506 0.99<br>1609 0.57                           | 20   | 0000 1.11<br>1101 0.52                           | 28 | 0430 0.78<br>0852 0.81<br>1516 0.70<br>2205 0.91 |
| WE   |  | TH   |                        | FR   |  | SA   |  | FR   |  | SA   |  | SU   |  | MO |  |
| 5    | 0043 0.89<br>0545 0.77<br>1202 0.94<br>1816 0.76 | 13   | 0605 1.06<br>1728 0.58 | 21   | 0049 1.02<br>1003 0.66                           | 29   | 0907 0.95<br>1727 0.67<br>2326 0.82              | 5    | 0752 0.66<br>1324 0.75<br>1619 0.73              | 13   | 0707 0.98<br>1632 0.59<br>2356 0.81              | 21   | 0030 1.12<br>1217 0.50                           | 29 | 0456 0.73<br>1011 0.79<br>1508 0.73<br>2204 0.96 |
| TH   |  | FR   |                        | SA   |  | SU*  |  | SA   |  | SU   |  | MO   |  | TU |  |
| 6    | 0045 0.93<br>0635 0.76<br>1215 0.88<br>1800 0.75 | 14   | 0744 1.08<br>1802 0.58 | 22   | 0114 1.06<br>1301 0.60                           | 30   | 0335 0.77<br>1000 0.94<br>1716 0.70<br>2316 0.86 | 6    | 0001 1.04<br>0909 0.64<br>1434 0.71<br>1536 0.71 | 14   | 0148 0.80<br>0840 0.97<br>1645 0.64<br>2254 0.83 | 22   | 0104 1.10<br>1321 0.51                           | 30 | 0530 0.69<br>1112 0.78<br>1446 0.75<br>2210 1.00 |
| FR   |  | SA   |                        | SU   |  | MO   |  | SU   |  | MO   |  | TU   |  | WE |  |
| 7    | 0052 0.97<br>0735 0.76<br>1228 0.82<br>1750 0.74 | 15   | 0853 1.10<br>1831 0.59 | 23   | 0143 1.08<br>1425 0.56                           |      |  | 7    | 0029 1.06<br>1026 0.62                           | 15   | 0342 0.74<br>1000 0.94<br>1646 0.70<br>2243 0.88 | 23   | 0137 1.06<br>1416 0.53                           | 31 | 0612 0.65<br>1207 0.77<br>1433 0.75<br>2221 1.04 |
| SA   |  | SU   |                        | MO   |  |      |  | MO   |  | TU   |  | WE   |  | TH |  |
| 8    | 0112 1.01<br>0944 0.75<br>1237 0.77<br>1731 0.72 | 16   | 0953 1.10<br>1850 0.63 | 24   | 0220 1.07<br>1534 0.54                           |      |  | 8    | 0059 1.06<br>1207 0.60                           | 16   | 0456 0.68<br>1112 0.89<br>1633 0.75<br>2253 0.95 | 24   | 0206 1.01<br>1457 0.56                           |    |  |
| SU   |  | MO   |                        | TU   |  |      |  | TU   |  | WE   |  | TH   | ☉  |    |  |

## NOVEMBER

## DECEMBER

| Time | m  | Time | m  | Time | m                                   | Time | m                      | Time | m                                   | Time | m                      | Time | m                                   |    |                        |
|------|--|------|--|------|-------------------------------------|------|------------------------|------|-------------------------------------|------|------------------------|------|-------------------------------------|----|------------------------|
| 1    | 0701 0.62<br>1315 0.75<br>1417 0.75<br>2238 1.07 | 9    | 0230 1.00<br>1426 0.57                           | 17   | 0954 0.46<br>2330 1.17              | 25   | 1038 0.70<br>2058 0.95 | 1    | 0834 0.53<br>2240 1.15              | 9    | 1132 0.68<br>2032 0.92 | 17   | 1026 0.47<br>2357 1.15              | 25 | 0748 0.63<br>1942 1.05 |
| FR   |  | SA   | ☉  | SU   |                                     | MO   |                        | SU   | ☉                                   | MO   |                        | TU   |                                     | WE |                        |
| 2    | 0756 0.59<br>2301 1.10                           | 10   | 0355 0.94<br>1446 0.62<br>2259 0.86              | 18   | 1049 0.46                           | 26   | 0814 0.70<br>2052 1.00 | 2    | 0915 0.51<br>2315 1.15              | 10   | 1004 0.71<br>2011 0.99 | 18   | 1058 0.50                           | 26 | 0723 0.60<br>2004 1.10 |
| SA   |  | SU   |  | MO   |                                     | TU   |                        | MO   |                                     | TU   |                        | WE   |                                     | TH |                        |
| 3    | 0849 0.57<br>2330 1.11                           | 11   | 0227 0.85<br>0602 0.87<br>1451 0.67<br>2141 0.89 | 19   | 0007 1.15<br>1139 0.48              | 27   | 0712 0.66<br>2100 1.05 | 3    | 0956 0.50<br>2350 1.15              | 11   | 0637 0.66<br>2023 1.07 | 19   | 0023 1.10<br>1119 0.55              | 27 | 0721 0.58<br>2035 1.14 |
| SU   |  | MO   |  | TU   |                                     | WE   |                        | TU   |                                     | WE   |                        | TH   |                                     | FR |                        |
| 4    | 0943 0.55  | 12   | 0357 0.76<br>0848 0.81<br>1439 0.72<br>2128 0.95 | 20   | 0040 1.11<br>1225 0.51              | 28   | 0700 0.63<br>2115 1.09 | 4    | 1037 0.50                           | 12   | 0649 0.57<br>2048 1.13 | 20   | 0029 1.04<br>1112 0.59              | 28 | 0738 0.55<br>2113 1.16 |
| MO   |  | TU   |  | WE   |                                     | TH   |                        | WE   |                                     | TH   |                        | FR   |                                     | SA |                        |
| 5    | 0001 1.10<br>1039 0.54                           | 13   | 0506 0.67<br>1059 0.78<br>1413 0.76<br>2139 1.03 | 21   | 0101 1.05<br>1304 0.55              | 29   | 0719 0.59<br>2138 1.12 | 5    | 0024 1.13<br>1117 0.51              | 13   | 0735 0.51<br>2120 1.18 | 21   | 0013 0.99<br>1041 0.63<br>2344 0.94 | 29 | 0807 0.52<br>2152 1.18 |
| TU   |  | WE   |  | TH   |                                     | FR   |                        | TH   |                                     | FR   |                        | SA   |                                     | SU |                        |
| 6    | 0034 1.09<br>1143 0.53                           | 14   | 0622 0.59<br>2159 1.09                           | 22   | 0059 1.00<br>1330 0.60              | 30   | 0754 0.56<br>2207 1.14 | 6    | 0054 1.09<br>1155 0.54              | 14   | 0822 0.46<br>2158 1.20 | 22   | 0933 0.65<br>2215 0.92              | 30 | 0841 0.50<br>2231 1.19 |
| WE   |  | TH   |  | FR   |                                     | SA   |                        | FR   |                                     | SA   |                        | SU   |                                     | MO |                        |
| 7    | 0108 1.08<br>1251 0.53                           | 15   | 0742 0.53<br>2225 1.14                           | 23   | 0045 0.94<br>1321 0.65<br>2312 0.91 |      |                        | 7    | 0117 1.04<br>1217 0.58              | 15   | 0907 0.44<br>2238 1.20 | 23   | 0855 0.65<br>1944 0.95              | 31 | 0915 0.48<br>2311 1.19 |
| TH   |  | FR   |  | SA   | ☉                                   |      |                        | SA   |                                     | SU   | ☉                      | MO   | ☉                                   | TU |                        |
| 8    | 0144 1.05<br>1347 0.55                           | 16   | 0853 0.49<br>2256 1.17                           | 24   | 1228 0.68<br>2152 0.91              |      |                        | 8    | 0122 0.97<br>1208 0.63<br>2249 0.90 | 16   | 0949 0.44<br>2319 1.19 | 24   | 0830 0.64<br>1931 1.00              |    |                        |
| FR   |  | SA   | ☉  | SU   |                                     |      |                        | SU   | ☉                                   | MO   |                        | TU   |                                     |    |                        |

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Datum of Predictions is Chart Datum

\* Extra Tides

Moon Phase Symbols ● New Moon ○ First Quarter ○ Full Moon ○ Last Quarter

# AUSTRALIA, NORTH-WEST COAST – PORT HEDLAND

# 2024

LAT 20° 18' S LONG 118° 35' E

TIMES AND HEIGHTS OF HIGH AND LOW WATERS

TIME ZONE -0800

## JANUARY

## FEBRUARY

| Time | m         | Time | m         | Time | m         | Time | m         | Time | m         | Time | m         | Time | m         |    |           |
|------|-----------|------|-----------|------|-----------|------|-----------|------|-----------|------|-----------|------|-----------|----|-----------|
| 1    | 0134 6.22 | 9    | 0301 2.55 | 17   | 0230 6.47 | 25   | 0502 1.81 | 1    | 0214 6.17 | 9    | 0445 1.85 | 17   | 0316 5.73 | 25 | 0551 1.28 |
|      | 0748 1.63 |      | 0945 4.95 |      | 0836 1.36 |      | 1128 5.73 |      | 0815 1.69 |      | 1113 5.72 |      | 0911 2.20 |    | 1209 6.48 |
| MO   | 1403 5.97 | TU   | 1508 3.16 | WE   | 1456 6.51 | TH   | 1714 2.40 | TH   | 1431 6.33 | FR   | 1655 2.40 | SA   | 1530 6.20 | SU | 1802 1.60 |
|      | 2000 2.33 |      | 2123 5.74 |      | 2100 1.87 |      | 2319 6.25 |      | 2034 2.08 |      | 2302 6.44 |      | 2149 2.45 |    |           |
| 2    | 0205 6.00 | 10   | 0358 2.11 | 18   | 0310 6.06 | 26   | 0538 1.50 | 2    | 0240 5.87 | 10   | 0523 1.28 | 18   | 0352 5.09 | 26 | 0013 6.70 |
|      | 0816 1.87 |      | 1032 5.35 |      | 0913 1.81 |      | 1159 6.02 |      | 0839 2.01 |      | 1147 6.25 |      | 0940 2.89 |    | 0616 1.13 |
| TU   | 1432 5.86 | WE   | 1605 2.80 | TH   | 1533 6.29 | FR   | 1748 2.09 | FR   | 1456 6.13 | SA   | 1734 1.78 | SU   | 1607 5.58 | MO | 1233 6.68 |
|      | 2032 2.52 |      | 2215 6.12 |      | 2146 2.22 |      | 2355 6.46 |      | 2103 2.35 |      | 2346 6.88 |      | 2251 3.09 |    | 1828 1.41 |
| 3    | 0235 5.73 | 11   | 0445 1.66 | 19   | 0352 5.56 | 27   | 0609 1.29 | 3    | 0307 5.49 | 11   | 0559 0.84 | 19   | 0445 4.44 | 27 | 0039 6.77 |
|      | 0845 2.16 |      | 1114 5.72 |      | 0951 2.34 |      | 1228 6.24 |      | 0904 2.41 |      | 1222 6.71 |      | 1015 3.59 |    | 0640 1.08 |
| WE   | 1503 5.71 | TH   | 1653 2.41 | FR   | 1616 5.97 | SA   | 1819 1.88 | SA   | 1523 5.84 | SU   | 1813 1.28 | MO   | 1720 4.95 | TU | 1257 6.82 |
|      | 2107 2.75 |      | 2301 6.46 |      | 2244 2.61 |      |           |      | 2139 2.69 |      |           |      |           |    | 1852 1.31 |
| 4    | 0309 5.40 | 12   | 0528 1.28 | 20   | 0445 5.03 | 28   | 0027 6.57 | 4    | 0339 5.04 | 12   | 0027 7.15 | 20   | 0126 3.39 | 28 | 0104 6.74 |
|      | 0915 2.50 |      | 1153 6.05 |      | 1040 2.91 |      | 0638 1.20 |      | 0931 2.88 |      | 0633 0.58 |      | 0944 4.27 |    | 0702 1.12 |
| TU   | 1539 5.52 | FR   | 1737 2.04 | SA   | 1715 5.59 | SU   | 1255 6.38 | SU   | 1556 5.49 | MO   | 1256 7.04 | TU   | 1410 3.93 | WE | 1318 6.87 |
|      | 2150 2.98 |      | 2346 6.72 |      |           |      | 1848 1.76 |      | 2232 3.07 |      | 1849 0.95 |      | 2041 4.87 |    | 1915 1.30 |
| 5    | 0350 5.04 | 13   | 0608 1.00 | 21   | 0011 2.90 | 29   | 0057 6.59 | 5    | 0424 4.54 | 13   | 0105 7.22 | 21   | 0344 2.99 | 29 | 0127 6.63 |
|      | 0950 2.87 |      | 1231 6.31 |      | 0612 4.58 |      | 0705 1.20 |      | 1007 3.40 |      | 0707 0.53 |      | 1032 4.86 |    | 0723 1.25 |
| FR   | 1624 5.31 | SA   | 1819 1.75 | SU   | 1207 3.40 | MO   | 1321 6.46 | MO   | 1653 5.10 | TU   | 1329 7.23 | WE   | 1559 3.39 | TH | 1338 6.84 |
|      | 2255 3.18 |      |           |      | 1846 5.31 |      | 1915 1.74 |      |           |      | 1924 0.85 |      | 2202 5.36 |    | 1939 1.38 |
| 6    | 0447 4.67 | 14   | 0030 6.87 | 22   | 0152 2.92 | 30   | 0124 6.52 | 6    | 0045 3.27 | 14   | 0140 7.09 | 22   | 0427 2.44 |    |           |
|      | 1042 3.25 |      | 0646 0.86 |      | 0834 4.54 |      | 0730 1.29 |      | 0721 4.20 |      | 0739 0.70 |      | 1057 5.38 |    |           |
| SA   | 1733 5.14 | SU   | 1309 6.50 | MO   | 1407 3.51 | TU   | 1345 6.48 | TU   | 1248 3.83 | WE   | 1359 7.23 | TH   | 1637 2.81 |    |           |
|      |           |      | 1900 1.57 |      | 2029 5.34 |      | 1942 1.78 |      | 1932 4.99 |      | 1959 0.98 |      | 2242 5.84 |    |           |
| 7    | 0040 3.18 | 15   | 0112 6.89 | 23   | 0324 2.63 | 31   | 0149 6.38 | 7    | 0231 3.03 | 15   | 0213 6.78 | 23   | 0457 1.94 |    |           |
|      | 0644 4.45 |      | 0724 0.87 |      | 1007 4.93 |      | 0753 1.45 |      | 0948 4.59 |      | 0810 1.06 |      | 1120 5.83 |    |           |
| SU   | 1237 3.50 | MO   | 1345 6.61 | TU   | 1500 3.22 | WE   | 1408 6.44 | WE   | 1447 3.63 | TH   | 1428 7.06 | FR   | 1707 2.30 |    |           |
|      | 1912 5.16 |      | 1940 1.53 |      | 2147 5.62 |      | 2007 1.89 |      | 2107 5.36 |      | 2033 1.32 |      | 2315 6.24 |    |           |
| 8    | 0156 2.93 | 16   | 0151 6.75 | 24   | 0421 2.21 |      |           | 8    | 0400 2.47 | 16   | 0245 6.31 | 24   | 0525 1.55 |    |           |
|      | 0833 4.60 |      | 0800 1.04 |      | 1053 5.36 |      |           |      | 1037 5.15 |      | 0841 1.57 |      | 1145 6.19 |    |           |
| MO   | 1401 3.42 | TU   | 1420 6.61 | WE   | 1633 2.79 |      |           | TH   | 1609 3.06 | FR   | 1458 6.71 | SA   | 1735 1.90 |    |           |
|      | 2025 5.40 |      | 2019 1.64 |      | 2238 5.96 |      |           |      | 2213 5.90 |      | 2110 1.83 |      | 2345 6.53 |    |           |

## MARCH

## APRIL

| Time | m         | Time | m         | Time | m         | Time | m         | Time | m         | Time | m         | Time | m         |    |           |
|------|-----------|------|-----------|------|-----------|------|-----------|------|-----------|------|-----------|------|-----------|----|-----------|
| 1    | 0148 6.43 | 9    | 0431 1.87 | 17   | 0244 5.74 | 25   | 0523 1.43 | 1    | 0207 5.79 | 9    | 0509 0.97 | 17   | 0342 4.51 | 25 | 0536 1.48 |
|      | 0745 1.47 |      | 1056 5.95 |      | 0836 2.30 |      | 1139 6.61 |      | 0801 2.26 |      | 1128 7.26 |      | 0919 3.78 |    | 1150 6.90 |
| FR   | 1359 6.72 | SA   | 1644 2.13 | SU   | 1451 6.18 | MO   | 1736 1.43 | MO   | 1412 6.25 | TU   | 1730 0.61 | WE   | 1557 4.70 | TH | 1756 1.03 |
|      | 2002 1.57 |      | 2255 6.54 |      | 2108 2.43 |      | 2349 6.67 |      | 2029 2.18 |      | 2348 7.11 |      |           |    |           |
| 2    | 0210 6.14 | 10   | 0504 1.24 | 18   | 0313 5.09 | 26   | 0546 1.25 | 2    | 0232 5.32 | 10   | 0542 0.77 | 18   | 0024 3.61 | 26 | 0013 6.53 |
|      | 0806 1.79 |      | 1127 6.59 |      | 0900 3.00 |      | 1202 6.84 |      | 0826 2.78 |      | 1200 7.52 |      | 0852 4.39 |    | 0600 1.47 |
| SA   | 1419 6.50 | SU   | 1719 1.38 | MO   | 1520 5.48 | TU   | 1800 1.19 | TU   | 1439 5.78 | WE   | 1803 0.36 | TH   | 1351 3.91 | FR | 1215 6.94 |
|      | 2028 1.88 |      | 2334 7.02 |      | 2150 3.18 |      |           |      | 2104 2.78 |      | 2017 4.59 |      | 1821 1.00 |    |           |
| 3    | 0232 5.76 | 11   | 0537 0.77 | 19   | 0351 4.44 | 27   | 0015 6.75 | 3    | 0306 4.76 | 11   | 0023 7.10 | 19   | 0248 3.28 | 27 | 0038 6.45 |
|      | 0829 2.20 |      | 1200 7.10 |      | 0912 3.70 |      | 0609 1.18 |      | 0854 3.37 |      | 0614 0.80 |      | 0929 4.92 |    | 0626 1.56 |
| SU   | 1441 6.18 | MO   | 1754 0.81 | TU   | 1605 4.76 | WE   | 1225 6.98 | WE   | 1518 5.20 | TH   | 1230 7.57 | FR   | 1515 3.34 | SA | 1238 6.89 |
|      | 2056 2.31 |      |           |      |           |      | 1824 1.05 |      | 2221 3.41 |      | 1836 0.40 |      | 2124 5.09 |    | 1847 1.11 |
| 4    | 0257 5.28 | 12   | 0012 7.29 | 20   | 0114 3.64 | 28   | 0039 6.74 | 4    | 0445 4.19 | 12   | 0054 6.90 | 20   | 0329 2.80 | 28 | 0102 6.27 |
|      | 0851 2.71 |      | 0610 0.51 |      | 1019 4.37 |      | 0631 1.20 |      | 1019 4.01 |      | 0645 1.02 |      | 0950 5.41 |    | 0651 1.75 |
| MO   | 1505 5.75 | TU   | 1231 7.45 | WE   | 1456 3.99 | TH   | 1246 7.03 | TH   | 1830 4.69 | FR   | 1300 7.41 | SA   | 1547 2.78 | SU | 1302 6.74 |
|      | 2131 2.84 |      | 1828 0.48 |      | 2108 4.70 |      | 1847 1.02 |      |           |      | 1908 0.69 |      | 2156 5.54 |    | 1915 1.35 |
| 5    | 0327 4.72 | 13   | 0046 7.33 | 21   | 0338 3.13 | 29   | 0101 6.64 | 5    | 0215 3.28 | 13   | 0123 6.57 | 21   | 0358 2.38 | 29 | 0127 6.01 |
|      | 0914 3.28 |      | 0642 0.49 |      | 1020 4.95 |      | 0653 1.31 |      | 0918 4.74 |      | 0715 1.41 |      | 1012 5.85 |    | 0718 2.05 |
| TU   | 1539 5.23 | WE   | 1301 7.59 | TH   | 1553 3.34 | FR   | 1307 6.99 | FR   | 1452 3.55 | SA   | 1328 7.07 | SU   | 1614 2.27 | MO | 1329 6.49 |
|      | 2251 3.41 |      | 1901 0.43 |      | 2159 5.27 |      | 1911 1.12 |      | 2059 5.22 |      | 1939 1.18 |      | 2225 5.92 |    | 1944 1.72 |
| 6    | 0435 4.11 | 14   | 0118 7.15 | 22   | 0409 2.57 | 30   | 0123 6.45 | 6    | 0325 2.61 | 14   | 0151 6.13 | 22   | 0423 2.03 | 30 | 0154 5.66 |
|      | 0935 3.90 |      | 0712 0.70 |      | 1035 5.47 |      | 0715 1.52 |      | 0952 5.48 |      | 0744 1.92 |      | 1036 6.22 |    | 0747 2.45 |
| WE   | 1844 4.73 | TH   | 1330 7.52 | FR   | 1620 2.74 | SA   | 1327 6.85 | SA   | 1543 2.69 | SU   | 1357 6.59 | MO   | 1640 1.82 | TU | 1359 6.13 |
|      |           |      | 1933 0.64 |      | 2229 5.78 |      | 1934 1.34 |      | 2154 5.91 |      | 2010 1.80 |      | 2252 6.21 |    | 2018 2.20 |
| 7    | 0234 3.29 | 15   | 0148 6.80 | 23   | 0434 2.09 | 31   | 0145 6.17 | 7    | 0401 1.94 | 15   | 0221 5.62 | 23   | 0447 1.77 |    |           |
|      | 0851 2.71 |      | 0741 1.10 |      | 1054 5.92 |      | 0738 1.84 |      | 1023 6.18 |      | 0812 2.52 |      | 1100 6.53 |    |           |
| TH   | 1507 3.75 | FR   | 1357 7.25 | SA   | 1646 2.21 | SU   | 1348 6.60 | SU   | 1620 1.84 | MO   | 1427 5.99 | TU   | 1705 1.45 |    |           |
|      | 2110 5.20 |      | 2004 1.09 |      | 2256 6.18 |      | 2000 1.70 |      | 2234 6.50 |      | 2044 2.49 |      | 2320 6.41 |    |           |
| 8    | 0356 2.58 | 16   | 0215 6.32 | 24   | 0459 1.70 |      |           | 8    | 0436 1.37 | 16   | 0254 5.07 | 24   | 0512 1.58 |    |           |
|      | 1027 5.26 |      | 0809 1.64 |      | 1115 6.31 |      |           |      | 1055 6.80 |      | 0841 3.16 |      | 1126 6.76 |    |           |
| FR   | 1606 2.95 | SA   | 1424 6.79 | SU   | 1712 1.77 |      |           | MO   | 1655 1.12 | TU   | 1500 5.34 | WE   | 1730 1.18 |    |           |
|      | 2212 5.90 |      | 2036 1.71 |      | 2322 6.48 |      |           |      | 2313 6.91 |      | 2128 3.18 |      | 2347 6.52 |    |           |

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Datum of Predictions is Lowest Astronomical Tide

Moon Phase Symbols ● New Moon ○ First Quarter ○ Full Moon ● Last Quarter

# AUSTRALIA, NORTH-WEST COAST – PORT HEDLAND

# 2024

LAT 20° 18' S LONG 118° 35' E

TIMES AND HEIGHTS OF HIGH AND LOW WATERS

TIME ZONE -0800

## MAY

## JUNE

| Time  | m                            | Time   | m                            | Time   | m                            | Time   | m                            | Time  | m                            | Time   | m                            | Time   | m                            | Time   | m                            |
|---|------------------------------|--|------------------------------|--|------------------------------|--|------------------------------|---|------------------------------|--|------------------------------|--|------------------------------|--|------------------------------|
| <b>1</b><br>0229<br>0822<br>WE 1437<br>● 2106 | 5.25<br>2.93<br>5.66<br>2.75 | <b>9</b><br>0515<br>1129<br>TH 1740            | 1.27<br>7.23<br>0.61         | <b>17</b><br>0537<br>1206<br>FR 1807           | 4.58<br>3.66<br>4.58         | <b>25</b><br>0536<br>1148<br>SA 1801           | 1.80<br>6.69<br>1.14         | <b>1</b><br>0509<br>1127<br>SA 1736           | 5.11<br>3.09<br>5.06         | <b>9</b><br>0024<br>0614<br>SU 1226<br>1842    | 6.09<br>1.82<br>6.60<br>1.22 | <b>17</b><br>0024<br>0655<br>MO 1326<br>1944   | 3.24<br>4.99<br>3.05<br>4.66 | <b>25</b><br>0053<br>0643<br>TU 1255<br>1912   | 6.00<br>1.85<br>6.52<br>1.20 |
| <b>2</b><br>0322<br>0918<br>TH 1540<br>2246   | 4.80<br>3.44<br>5.13<br>3.21 | <b>10</b><br>0000<br>0549<br>FR 1203<br>1815   | 6.63<br>1.29<br>7.21<br>0.69 | <b>18</b><br>0056<br>0744<br>SA 1354<br>2006   | 3.35<br>4.81<br>3.39<br>4.77 | <b>26</b><br>0021<br>0607<br>SU 1219<br>1834   | 6.15<br>1.83<br>6.67<br>1.21 | <b>2</b><br>0003<br>0642<br>SU 1304<br>1915   | 2.88<br>5.29<br>2.83<br>5.12 | <b>10</b><br>0059<br>0651<br>MO 1302<br>1918   | 5.99<br>1.96<br>6.41<br>1.46 | <b>18</b><br>0140<br>0800<br>TU 1428<br>2054   | 3.18<br>5.20<br>2.73<br>4.89 | <b>26</b><br>0130<br>0724<br>WE 1335<br>1951   | 6.00<br>1.87<br>6.41<br>1.34 |
| <b>3</b><br>0550<br>1155<br>FR 1814           | 4.55<br>3.68<br>4.85         | <b>11</b><br>0033<br>0622<br>SA 1236<br>1849   | 6.48<br>1.48<br>7.02<br>0.98 | <b>19</b><br>0218<br>0839<br>SU 1453<br>2105   | 3.11<br>5.19<br>2.93<br>5.11 | <b>27</b><br>0052<br>0639<br>MO 1251<br>1908   | 6.04<br>1.95<br>6.55<br>1.41 | <b>3</b><br>0130<br>0751<br>MO 1418<br>2034   | 2.75<br>5.64<br>2.37<br>5.36 | <b>11</b><br>0132<br>0729<br>TU 1339<br>1955   | 5.84<br>2.17<br>6.16<br>1.76 | <b>19</b><br>0238<br>0852<br>WE 1517<br>2145   | 2.99<br>5.47<br>2.35<br>5.17 | <b>27</b><br>0209<br>0807<br>TH 1417<br>2031   | 5.96<br>1.97<br>6.21<br>1.58 |
| <b>4</b><br>0115<br>0802<br>SA 1402<br>2015   | 3.12<br>5.00<br>3.20<br>5.22 | <b>12</b><br>0105<br>0656<br>SU 1309<br>1923   | 6.23<br>1.78<br>6.71<br>1.40 | <b>20</b><br>0304<br>0915<br>MO 1530<br>2145   | 2.80<br>5.57<br>2.47<br>5.45 | <b>28</b><br>0124<br>0715<br>TU 1326<br>1945   | 5.86<br>2.17<br>6.34<br>1.70 | <b>4</b><br>0235<br>0848<br>TU 1515<br>2135   | 2.49<br>6.03<br>1.87<br>5.66 | <b>12</b><br>0207<br>0807<br>WE 1415<br>2031   | 5.65<br>2.42<br>5.85<br>2.10 | <b>20</b><br>0325<br>0936<br>TH 1600<br>2225   | 2.74<br>5.77<br>1.98<br>5.44 | <b>28</b><br>0249<br>0852<br>FR 1502<br>2114   | 5.88<br>2.13<br>5.92<br>1.90 |
| <b>5</b><br>0234<br>0859<br>SU 1505<br>2120   | 2.66<br>5.63<br>2.46<br>5.74 | <b>13</b><br>0137<br>0730<br>MO 1343<br>1959   | 5.90<br>2.18<br>6.30<br>1.90 | <b>21</b><br>0338<br>0947<br>TU 1601<br>2218   | 2.50<br>5.92<br>2.03<br>5.74 | <b>29</b><br>0200<br>0755<br>WE 1406<br>2030   | 5.63<br>2.45<br>6.04<br>2.06 | <b>5</b><br>0327<br>0938<br>WE 1601<br>2224   | 2.21<br>6.36<br>1.45<br>5.91 | <b>13</b><br>0244<br>0847<br>TH 1453<br>2109   | 5.45<br>2.70<br>5.52<br>2.45 | <b>21</b><br>0406<br>1015<br>FR 1638<br>2302   | 2.47<br>6.04<br>1.65<br>5.67 | <b>29</b><br>0334<br>0944<br>SA 1552<br>● 2200 | 5.77<br>2.32<br>5.56<br>2.26 |
| <b>6</b><br>0322<br>0939<br>MO 1548<br>2206   | 2.15<br>6.23<br>1.73<br>6.20 | <b>14</b><br>0212<br>0805<br>TU 1418<br>2037   | 5.54<br>2.64<br>5.82<br>2.43 | <b>22</b><br>0408<br>1018<br>WE 1631<br>2250   | 2.24<br>6.22<br>1.66<br>5.97 | <b>30</b><br>0245<br>0845<br>TH 1455<br>2123   | 5.38<br>2.77<br>5.67<br>2.44 | <b>6</b><br>0413<br>1024<br>TH 1645<br>● 2307 | 1.97<br>6.59<br>1.17<br>6.06 | <b>14</b><br>0325<br>0934<br>FR 1535<br>● 2152 | 5.24<br>2.98<br>5.17<br>2.79 | <b>22</b><br>0445<br>1055<br>SA 1716<br>○ 2339 | 2.23<br>6.28<br>1.40<br>5.84 | <b>30</b><br>0427<br>1045<br>SU 1654<br>2300   | 5.64<br>2.50<br>5.19<br>2.63 |
| <b>7</b><br>0401<br>1016<br>TU 1628<br>2246   | 1.71<br>6.73<br>1.14<br>6.51 | <b>15</b><br>0250<br>0848<br>WE 1500<br>● 2128 | 5.15<br>3.12<br>5.32<br>2.94 | <b>23</b><br>0437<br>1047<br>TH 1700<br>○ 2321 | 2.02<br>6.46<br>1.37<br>6.11 | <b>31</b><br>0345<br>0955<br>FR 1601<br>● 2233 | 5.17<br>3.03<br>5.29<br>2.75 | <b>7</b><br>0455<br>1106<br>FR 1726<br>2346   | 1.82<br>6.71<br>1.05<br>6.12 | <b>15</b><br>0415<br>1036<br>SA 1630<br>2252   | 5.05<br>3.18<br>4.84<br>3.09 | <b>23</b><br>0524<br>1134<br>SU 1755           | 2.03<br>6.44<br>1.23         |  |                              |
| <b>8</b><br>0439<br>1053<br>WE 1704<br>● 2325 | 1.41<br>7.07<br>0.76<br>6.65 | <b>16</b><br>0344<br>0959<br>TH 1558<br>2256   | 4.79<br>3.53<br>4.86<br>3.31 | <b>24</b><br>0506<br>1117<br>FR 1730<br>2351   | 1.87<br>6.62<br>1.19<br>6.18 |  |                              | <b>8</b><br>0535<br>1146<br>SA 1804           | 1.77<br>6.71<br>1.07         | <b>16</b><br>0526<br>1205<br>SU 1801           | 4.93<br>3.23<br>4.61         | <b>24</b><br>0015<br>0602<br>MO 1215<br>1833   | 5.95<br>1.90<br>6.53<br>1.16 |  |                              |

## JULY

## AUGUST

| Time  | m                            | Time   | m                            | Time   | m                            | Time   | m                            | Time  | m                            | Time   | m                            | Time   | m                            | Time   | m                            |
|---|------------------------------|--|------------------------------|--|------------------------------|--|------------------------------|---|------------------------------|--|------------------------------|--|------------------------------|--|------------------------------|
| <b>1</b><br>0532<br>1208<br>MO 1815           | 5.52<br>2.58<br>4.91         | <b>9</b><br>0054<br>0649<br>TU 1259<br>1911    | 6.02<br>1.77<br>6.36<br>1.27 | <b>17</b><br>0623<br>1317<br>WE 1951           | 4.88<br>2.96<br>4.37         | <b>25</b><br>0124<br>0719<br>TH 1334<br>1939   | 6.48<br>1.19<br>6.70<br>0.82 | <b>1</b><br>0115<br>0741<br>TH 1442<br>2135   | 3.37<br>5.01<br>2.67<br>4.63 | <b>9</b><br>0130<br>0730<br>FR 1340<br>1940    | 6.37<br>1.38<br>6.28<br>1.26 | <b>17</b><br>0235<br>0852<br>SA 1546<br>2219   | 3.51<br>4.94<br>2.52<br>4.90 | <b>25</b><br>0202<br>0809<br>SU 1422<br>2016   | 6.94<br>0.85<br>6.28<br>1.28 |
| <b>2</b><br>0649<br>1330<br>TU 1948           | 2.89<br>5.49<br>2.48<br>4.86 | <b>10</b><br>0125<br>0723<br>WE 1331<br>1942   | 6.02<br>1.81<br>6.24<br>1.42 | <b>18</b><br>0131<br>0756<br>TH 1432<br>2120   | 3.39<br>4.98<br>2.71<br>4.64 | <b>26</b><br>0158<br>0757<br>FR 1411<br>2014   | 6.55<br>1.20<br>6.51<br>1.06 | <b>2</b><br>0310<br>0921<br>FR 1600<br>2230   | 3.15<br>5.26<br>2.25<br>5.10 | <b>10</b><br>0153<br>0754<br>SA 1403<br>2001   | 6.31<br>1.50<br>6.06<br>1.51 | <b>18</b><br>0357<br>0958<br>SU 1629<br>2252   | 2.93<br>5.50<br>1.90<br>5.46 | <b>26</b><br>0231<br>0844<br>MO 1454<br>● 2046 | 6.61<br>1.34<br>5.73<br>1.89 |
| <b>3</b><br>0147<br>0804<br>WE 1445<br>2116   | 2.91<br>5.59<br>2.23<br>5.05 | <b>11</b><br>0155<br>0754<br>TH 1402<br>2010   | 5.97<br>1.93<br>6.05<br>1.64 | <b>19</b><br>0246<br>0903<br>FR 1541<br>2215   | 3.19<br>5.29<br>2.32<br>5.02 | <b>27</b><br>0231<br>0835<br>SA 1447<br>2047   | 6.49<br>1.37<br>6.18<br>1.44 | <b>3</b><br>0415<br>1021<br>SA 1645<br>2308   | 2.66<br>5.67<br>1.79<br>5.53 | <b>11</b><br>0215<br>0819<br>SU 1428<br>2024   | 6.18<br>1.70<br>5.77<br>1.83 | <b>19</b><br>0439<br>1045<br>MO 1703<br>2324   | 2.26<br>6.07<br>1.31<br>5.99 | <b>27</b><br>0302<br>0920<br>TU 1529<br>2117   | 6.11<br>1.99<br>5.10<br>2.58 |
| <b>4</b><br>0302<br>0914<br>TH 1548<br>2217   | 2.75<br>5.79<br>1.92<br>5.34 | <b>12</b><br>0223<br>0825<br>FR 1432<br>2037   | 5.88<br>1.77<br>5.81<br>1.91 | <b>20</b><br>0351<br>0959<br>SA 1632<br>2257   | 2.82<br>5.67<br>1.87<br>5.40 | <b>28</b><br>0305<br>0915<br>SU 1526<br>● 2124 | 6.31<br>1.69<br>5.72<br>1.94 | <b>4</b><br>0458<br>1105<br>SU 1722<br>● 2341 | 2.18<br>6.03<br>1.41<br>5.87 | <b>12</b><br>0238<br>0845<br>MO 1453<br>● 2047 | 5.97<br>1.99<br>5.40<br>2.23 | <b>20</b><br>0515<br>1126<br>TU 1737<br>○ 2358 | 1.61<br>6.55<br>0.83<br>6.46 | <b>28</b><br>0339<br>1010<br>WE 1616<br>2155   | 5.48<br>2.69<br>4.43<br>3.30 |
| <b>5</b><br>0402<br>1013<br>FR 1640<br>2304   | 2.47<br>6.02<br>1.61<br>5.61 | <b>13</b><br>0252<br>0857<br>SA 1503<br>2105   | 5.74<br>2.31<br>5.50<br>2.24 | <b>21</b><br>0441<br>1047<br>SU 1714<br>○ 2334 | 2.39<br>6.05<br>1.44<br>5.76 | <b>29</b><br>0344<br>1002<br>MO 1611<br>2205   | 6.00<br>2.11<br>5.18<br>2.52 | <b>5</b><br>0533<br>1143<br>MO 1754           | 1.79<br>6.29<br>1.15         | <b>13</b><br>0302<br>0916<br>TU 1521<br>2112   | 5.66<br>2.36<br>4.96<br>2.70 | <b>21</b><br>0551<br>1205<br>WE 1811           | 1.06<br>6.88<br>0.51         | <b>29</b><br>0440<br>1235<br>TH 2027           | 4.80<br>3.19<br>4.06         |
| <b>6</b><br>0452<br>1101<br>SA 1724<br>● 2345 | 2.19<br>6.22<br>1.37<br>5.82 | <b>14</b><br>0323<br>0932<br>SU 1537<br>● 2136 | 5.55<br>2.56<br>5.14<br>2.61 | <b>22</b><br>0523<br>1131<br>MO 1752           | 1.97<br>6.39<br>1.08         | <b>30</b><br>0432<br>1109<br>TU 1715<br>2309   | 5.58<br>2.55<br>4.65<br>3.08 | <b>6</b><br>0011<br>0605<br>TU 1216<br>1824   | 6.11<br>1.52<br>6.44<br>1.02 | <b>14</b><br>0331<br>0957<br>WE 1559<br>2142   | 5.27<br>2.79<br>4.46<br>3.21 | <b>22</b><br>0030<br>0627<br>TH 1243<br>1844   | 6.82<br>0.67<br>7.02<br>0.40 | <b>30</b><br>0128<br>0806<br>FR 1516<br>2205   | 3.71<br>4.57<br>2.90<br>4.67 |
| <b>7</b><br>0535<br>1145<br>SU 1803           | 1.96<br>6.35<br>1.23         | <b>15</b><br>0400<br>1019<br>MO 1621<br>2215   | 5.31<br>2.83<br>4.76<br>3.01 | <b>23</b><br>0012<br>0603<br>TU 1215<br>1829   | 6.07<br>1.60<br>6.63<br>0.84 | <b>31</b><br>0548<br>1253<br>WE 1917           | 5.16<br>2.80<br>4.35         | <b>7</b><br>0039<br>0635<br>WE 1246<br>1851   | 6.27<br>1.37<br>6.48<br>1.00 | <b>15</b><br>0415<br>1154<br>TH 1836           | 4.84<br>3.17<br>4.01         | <b>23</b><br>0103<br>0701<br>FR 1318<br>1915   | 7.04<br>0.49<br>6.96<br>0.50 | <b>31</b><br>0339<br>0945<br>SA 1606<br>2233   | 3.16<br>5.10<br>2.32<br>5.23 |
| <b>8</b><br>0614<br>MO 1224<br>1838           | 5.96<br>1.81<br>6.40<br>1.20 | <b>16</b><br>0450<br>1143<br>TU 1739<br>2341   | 5.05<br>3.02<br>4.41<br>3.36 | <b>24</b><br>0048<br>0642<br>WE 1255<br>1904   | 6.32<br>1.33<br>6.74<br>0.75 |  |                              | <b>8</b><br>0105<br>0703<br>TH 1315<br>1916   | 6.35<br>1.33<br>6.42<br>1.09 | <b>16</b><br>0011<br>0704<br>FR 1405<br>2131   | 3.71<br>4.58<br>3.04<br>4.34 | <b>24</b><br>0133<br>0735<br>SA 1351<br>1946   | 7.08<br>0.55<br>6.70<br>0.80 |  |                              |

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Datum of Predictions is Lowest Astronomical Tide

Moon Phase Symbols

● New Moon

◐ First Quarter

○ Full Moon

◑ Last Quarter



# AUSTRALIA, NORTH-WEST COAST – PORT WALCOTT (CAPE LAMBERT)

# 2024

LAT 20° 35' S    LONG 117° 11' E

TIMES AND HEIGHTS OF HIGH AND LOW WATERS

TIME ZONE -0800

## JANUARY

## FEBRUARY

| Time | m         | Time | m         | Time | m         | Time | m         |
|------|-----------|------|-----------|------|-----------|------|-----------|
| 1    | 0124 5.11 | 9    | 0315 2.06 | 17   | 0218 5.30 | 25   | 0513 1.49 |
|      | 0800 1.35 |      | 0945 4.02 |      | 0848 1.18 |      | 1123 4.66 |
| MO   | 1357 4.91 | TU   | 1520 2.72 | WE   | 1446 5.36 | TH   | 1725 2.15 |
|      | 2006 2.06 |      | 2115 4.76 |      | 2115 1.64 |      | 2309 5.17 |
| 2    | 0157 4.92 | 10   | 0406 1.69 | 18   | 0302 4.95 | 26   | 0549 1.25 |
|      | 0828 1.56 |      | 1032 4.33 |      | 0924 1.56 |      | 1151 4.90 |
| TU   | 1428 4.82 | WE   | 1615 2.43 | TH   | 1528 5.20 | FR   | 1800 1.91 |
|      | 2038 2.20 |      | 2204 5.07 | ○    | 2203 1.90 | ○    | 2343 5.33 |
| 3    | 0230 4.69 | 11   | 0453 1.32 | 19   | 0350 4.53 | 27   | 0622 1.09 |
|      | 0856 1.80 |      | 1110 4.62 |      | 1000 2.00 |      | 1218 5.09 |
| WE   | 1500 4.71 | TH   | 1701 2.13 | FR   | 1615 4.95 | SA   | 1830 1.74 |
|      | 2114 2.37 | ●    | 2249 5.35 | ○    | 2302 2.18 |      |           |
| 4    | 0307 4.41 | 12   | 0537 1.02 | 20   | 0449 4.11 | 28   | 0014 5.41 |
|      | 0925 2.09 |      | 1145 4.89 |      | 1044 2.46 |      | 0651 1.02 |
| TH   | 1537 4.57 | FR   | 1745 1.84 | SA   | 1717 4.67 | SU   | 1245 5.21 |
| ●    | 2200 2.53 |      | 2331 5.57 |      |           |      | 1859 1.64 |
| 5    | 0352 4.11 | 13   | 0618 0.80 | 21   | 0023 2.39 | 29   | 0043 5.42 |
|      | 1000 2.40 |      | 1220 5.12 |      | 0617 3.77 |      | 0717 1.04 |
| FR   | 1625 4.41 | SA   | 1828 1.61 | SU   | 1157 2.88 | MO   | 1310 5.29 |
|      | 2307 2.66 |      |           |      | 1847 4.46 |      | 1925 1.60 |
| 6    | 0458 3.83 | 14   | 0014 5.69 | 22   | 0206 2.37 | 30   | 0110 5.36 |
|      | 1048 2.71 |      | 0659 0.70 |      | 0828 3.73 |      | 0742 1.12 |
| SA   | 1736 4.30 | SU   | 1255 5.29 | MO   | 1414 3.03 | TU   | 1334 5.32 |
|      |           |      | 1909 1.46 |      | 2026 4.48 |      | 1950 1.62 |
| 7    | 0045 2.64 | 15   | 0055 5.69 | 23   | 0330 2.13 | 31   | 0137 5.22 |
|      | 0640 3.67 |      | 0736 0.73 |      | 1004 4.02 |      | 0804 1.27 |
| SU   | 1223 2.95 | MO   | 1331 5.40 | TU   | 1549 2.79 | WE   | 1359 5.29 |
|      | 1901 4.32 |      | 1950 1.41 |      | 2140 4.68 |      | 2016 1.69 |
| 8    | 0211 2.41 | 16   | 0136 5.55 | 24   | 0429 1.80 |      |           |
|      | 0830 3.75 |      | 0814 0.90 |      | 1050 4.36 |      |           |
| MO   | 1409 2.93 | TU   | 1408 5.42 | WE   | 1645 2.46 |      |           |
|      | 2015 4.50 |      | 2032 1.47 |      | 2230 4.94 |      |           |

| Time | m         | Time | m         | Time | m         | Time | m         |
|------|-----------|------|-----------|------|-----------|------|-----------|
| 1    | 0204 5.03 | 9    | 0451 1.51 | 17   | 0312 4.65 | 25   | 0605 1.14 |
|      | 0827 1.48 |      | 1108 4.64 |      | 0918 1.94 |      | 1158 5.29 |
| TH   | 1424 5.21 | FR   | 1702 2.15 | SA   | 1525 5.15 | SU   | 1815 1.51 |
|      | 2044 1.82 |      | 2250 5.35 |      | 2207 2.06 |      | 2359 5.51 |
| 2    | 0233 4.78 | 10   | 0532 1.07 | 18   | 0354 4.14 | 26   | 0630 1.02 |
|      | 0849 1.75 |      | 1137 5.07 |      | 0944 2.48 |      | 1220 5.46 |
| FR   | 1450 5.07 | SA   | 1744 1.65 | SU   | 1608 4.66 | MO   | 1840 1.34 |
|      | 2114 2.01 | ●    | 2330 5.69 | ○    | 2311 2.56 |      |           |
| 3    | 0303 4.47 | 11   | 0611 0.73 | 19   | 0501 3.65 | 27   | 0023 5.55 |
|      | 0913 2.08 |      | 1207 5.44 |      | 1009 3.01 |      | 0653 1.00 |
| SA   | 1519 4.86 | SU   | 1823 1.23 | MO   | 1731 4.18 | TU   | 1242 5.58 |
| ●    | 2151 2.27 |      |           |      |           |      | 1903 1.23 |
| 4    | 0340 4.10 | 12   | 0008 5.90 | 20   | 0145 2.78 | 28   | 0048 5.51 |
|      | 0938 2.46 |      | 0646 0.55 |      | 0950 3.52 |      | 0715 1.05 |
| SU   | 1556 4.59 | MO   | 1239 5.74 | TU   | 1428 3.36 | WE   | 1303 5.64 |
|      | 2249 2.55 |      | 1901 0.94 |      | 2031 4.09 |      | 1927 1.20 |
| 5    | 0435 3.72 | 13   | 0045 5.93 | 21   | 0346 2.45 | 29   | 0113 5.41 |
|      | 1009 2.87 |      | 0720 0.53 |      | 1034 3.98 |      | 0735 1.17 |
| MO   | 1700 4.31 | TU   | 1311 5.91 | WE   | 1610 2.92 | TH   | 1326 5.63 |
|      |           |      | 1938 0.83 |      | 2155 4.46 |      | 1949 1.24 |
| 6    | 0049 2.70 | 14   | 0122 5.80 | 22   | 0435 2.02 |      |           |
|      | 0701 3.46 |      | 0753 0.69 |      | 1054 4.39 |      |           |
| TU   | 1218 3.24 | WE   | 1344 5.94 | TH   | 1650 2.47 |      |           |
|      | 1911 4.20 |      | 2014 0.91 |      | 2235 4.84 |      |           |
| 7    | 0249 2.45 | 15   | 0158 5.52 | 23   | 0509 1.64 |      |           |
|      | 1001 3.76 |      | 0823 1.00 |      | 1115 4.75 |      |           |
| WE   | 1500 3.11 | TH   | 1416 5.82 | FR   | 1722 2.08 |      |           |
|      | 2101 4.46 |      | 2048 1.17 |      | 2305 5.15 |      |           |
| 8    | 0402 2.00 | 16   | 0234 5.13 | 24   | 0538 1.34 |      |           |
|      | 1039 4.20 |      | 0852 1.43 |      | 1136 5.05 |      |           |
| TH   | 1614 2.66 | FR   | 1449 5.55 | SA   | 1750 1.75 |      |           |
|      | 2205 4.91 | ●    | 2125 1.57 | ○    | 2332 5.38 |      |           |

## MARCH

## APRIL

| Time | m         | Time | m         | Time | m         | Time | m         |
|------|-----------|------|-----------|------|-----------|------|-----------|
| 1    | 0137 5.24 | 9    | 0438 1.58 | 17   | 0239 4.66 | 25   | 0535 1.31 |
|      | 0756 1.36 |      | 1046 4.86 |      | 0843 2.06 |      | 1126 5.42 |
| FR   | 1348 5.55 | SA   | 1652 1.93 | SU   | 1446 5.12 | MO   | 1749 1.35 |
|      | 2014 1.38 |      | 2241 5.41 | ●    | 2124 2.05 | ○    | 2334 5.47 |
| 2    | 0202 5.00 | 10   | 0515 1.10 | 18   | 0315 4.16 | 26   | 0559 1.19 |
|      | 0817 1.63 |      | 1113 5.37 |      | 0902 2.59 |      | 1146 5.61 |
| SA   | 1412 5.38 | SU   | 1730 1.31 | MO   | 1522 4.57 | TU   | 1813 1.13 |
|      | 2040 1.62 | ●    | 2316 5.79 |      | 2209 2.65 |      | 2359 5.53 |
| 3    | 0228 4.68 | 11   | 0549 0.75 | 19   | 0409 3.65 | 27   | 0621 1.15 |
|      | 0837 1.97 |      | 1142 5.80 |      | 0908 3.11 |      | 1208 5.73 |
| SU   | 1437 5.13 | MO   | 1806 0.82 | TU   | 1629 4.01 | WE   | 1836 0.99 |
| ●    | 2109 1.96 |      | 2351 5.99 |      |           |      |           |
| 4    | 0256 4.30 | 12   | 0623 0.58 | 20   | 0146 3.01 | 28   | 0023 5.51 |
|      | 0856 2.37 |      | 1211 6.10 |      | 1045 3.64 |      | 0643 1.18 |
| MO   | 1505 4.81 | TU   | 1842 0.52 | WE   | 1509 3.38 | TH   | 1230 5.79 |
|      | 2146 2.38 |      |           |      | 2047 3.93 |      | 1900 0.94 |
| 5    | 0331 3.86 | 13   | 0026 6.00 | 21   | 0341 2.60 | 29   | 0046 5.43 |
|      | 0913 2.80 |      | 0655 0.59 |      | 1019 4.07 |      | 0704 1.28 |
| TU   | 1545 4.41 | WE   | 1242 6.25 | TH   | 1603 2.87 | FR   | 1252 5.77 |
|      | 2315 2.81 |      | 1915 0.45 |      | 2150 4.37 |      | 1923 0.99 |
| 6    | 0524 3.40 | 14   | 0100 5.84 | 22   | 0417 2.17 | 30   | 0111 5.27 |
|      | 0912 3.26 |      | 0725 0.77 |      | 1030 4.49 |      | 0726 1.46 |
| WE   | 1810 4.04 | TH   | 1313 6.21 | FR   | 1634 2.41 | SA   | 1315 5.66 |
|      |           |      | 1948 0.60 |      | 2220 4.77 |      | 1947 1.16 |
| 7    | 0245 2.68 | 15   | 0132 5.54 | 23   | 0445 1.80 | 31   | 0136 5.03 |
|      | 1010 3.77 |      | 0753 1.11 |      | 1045 4.86 |      | 0747 1.72 |
| TH   | 1506 3.22 | FR   | 1344 5.99 | SA   | 1700 1.99 | SU   | 1341 5.47 |
|      | 2103 4.34 |      | 2020 0.96 |      | 2245 5.10 |      | 2014 1.45 |
| 8    | 0357 2.13 | 16   | 0205 5.14 | 24   | 0511 1.51 |      |           |
|      | 1024 4.31 |      | 0819 1.55 |      | 1105 5.17 |      |           |
| FR   | 1611 2.59 | SA   | 1415 5.62 | SU   | 1726 1.64 |      |           |
|      | 2200 4.91 |      | 2051 1.46 |      | 2311 5.33 |      |           |

| Time | m         | Time | m         | Time | m         | Time | m         |
|------|-----------|------|-----------|------|-----------|------|-----------|
| 1    | 0202 4.72 | 9    | 0519 0.99 | 17   | 0403 3.75 | 25   | 0546 1.43 |
|      | 0809 2.06 |      | 1108 6.00 |      | 0909 3.22 |      | 1132 5.70 |
| MO   | 1407 5.19 | TU   | 1742 0.62 | WE   | 1625 3.96 | TH   | 1808 0.93 |
|      | 2043 1.85 | ●    | 2330 5.84 |      |           |      | 2359 5.34 |
| 2    | 0231 4.34 | 10   | 0553 0.86 | 18   | 0025 3.02 | 26   | 0612 1.43 |
|      | 0830 2.45 |      | 1139 6.23 |      | 0845 3.67 |      | 1157 5.74 |
| TU   | 1438 4.82 | WE   | 1817 0.39 | TH   | 1416 3.32 | FR   | 1834 0.89 |
| ●    | 2120 2.32 |      |           |      | 1949 3.85 |      |           |
| 3    | 0311 3.90 | 11   | 0002 5.82 | 19   | 0252 2.75 | 27   | 0024 5.27 |
|      | 0851 2.90 |      | 0626 0.90 |      | 0922 4.10 |      | 0636 1.51 |
| WE   | 1524 4.37 | TH   | 1211 6.28 | FR   | 1523 2.87 | SA   | 1223 5.71 |
|      | 2239 2.81 |      | 1851 0.39 |      | 2114 4.22 |      | 1900 0.96 |
| 4    | 0539 3.50 | 12   | 0036 5.65 | 20   | 0335 2.40 | 28   | 0051 5.13 |
|      | 0951 3.39 |      | 0656 1.09 |      | 0943 4.49 |      | 0701 1.67 |
| TH   | 1805 4.00 | FR   | 1243 6.15 | SA   | 1557 2.43 | SU   | 1250 5.59 |
|      |           |      | 1923 0.61 |      | 2148 4.58 |      | 1930 1.15 |
| 5    | 0222 2.72 | 13   | 0109 5.37 | 21   | 0405 2.08 | 29   | 0119 4.92 |
|      | 0915 3.94 |      | 0725 1.40 |      | 1002 4.85 |      | 0727 1.91 |
| FR   | 1452 3.05 | SA   | 1315 5.86 | SU   | 1625 2.02 | MO   | 1321 5.38 |
|      | 2047 4.36 |      | 1955 1.01 |      | 2216 4.88 |      | 2000 1.45 |
| 6    | 0328 2.20 | 14   | 0142 5.01 | 22   | 0431 1.82 | 30   | 0151 4.64 |
|      | 0944 4.52 |      | 0753 1.81 |      | 1024 5.15 |      | 0754 2.22 |
| SA   | 1547 2.36 | SU   | 1348 5.45 | MO   | 1651 1.65 | TU   | 1355 5.09 |
|      | 2141 4.91 |      | 2026 1.52 |      | 2242 5.11 |      | 2034 1.85 |
| 7    | 0409 1.69 | 15   | 0216 4.60 | 23   | 0458 1.63 |      |           |
|      | 1010 5.09 |      | 0818 2.27 |      | 1046 5.40 |      |           |
| SU   | 1629 1.67 | MO   | 1423 4.96 | TU   | 1716 1.33 |      |           |
|      | 2220 5.37 |      | 2059 2.08 |      | 2308 5.26 |      |           |
| 8    | 0445 1.27 | 16   | 0256 4.16 | 24   | 0522 1.50 |      |           |
|      | 1038 5.61 |      | 0842 2.75 |      | 1109 5.59 |      |           |
| MO   | 1706 1.06 | TU   | 1503 4.45 | WE   | 1742 1.09 |      |           |
|      | 2255 5.69 | ●    | 2142 2.64 | ○    | 2333 5.34 |      |           |

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 Datum of Predictions is Lowest Astronomical Tide

Moon Phase Symbols   ● New Moon   ○ First Quarter   ○ Full Moon   ● Last Quarter

**AUSTRALIA, NORTH-WEST COAST – PORT WALCOTT (CAPE LAMBERT)**

**2024**

LAT 20° 35' S LONG 117° 11' E

TIMES AND HEIGHTS OF HIGH AND LOW WATERS

TIME ZONE -0800

| MAY  |           |           |           | JUNE      |           |           |           |           |           |           |           |           |           |           |           |
|------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| Time | m         | Time      | m         | Time      | m         | Time      | m         | Time      | m         | Time      | m         | Time      | m         | Time      | m         |
| 1    | 0230 4.31 | 9         | 0525 1.30 | 17        | 0539 3.88 | 25        | 0545 1.70 | 1         | 0513 4.28 | 9         | 0012 5.00 | 17        | 0017 2.78 | 25        | 0043 4.92 |
| ●    | 0826 2.59 | TH        | 1110 6.04 | 1223 3.15 | 1131 5.56 | 1145 2.65 | 0622 1.74 | 0653 4.22 | 0650 1.73 | 0650 1.73 | 0650 1.73 | 1241 5.41 | 0650 1.73 |           |           |
| WE   | 1439 4.72 | TH        | 1754 0.56 | FR        | 1757 3.88 | SA        | 1815 0.97 | SA        | 1735 4.24 | SU        | 1211 5.48 | MO        | 1337 2.59 | TU        | 1241 5.41 |
| ●    | 2121 2.28 | 2344 5.44 | FR        | 1757 3.88 | SA        | 1815 0.97 | SA        | 1735 4.24 | SU        | 1211 5.48 | MO        | 1337 2.59 | TU        | 1241 5.41 |           |
|      |           |           |           |           |           |           |           | 1856 1.02 | 1939 3.86 | 1939 3.86 | 1939 3.86 | 1925 1.00 | 1925 1.00 |           |           |
| 2    | 0331 3.97 | 10        | 0600 1.33 | 18        | 0101 2.85 | 26        | 0011 5.03 | 2         | 0007 2.46 | 10        | 0049 4.93 | 18        | 0145 2.77 | 26        | 0119 4.94 |
| TH   | 0921 2.98 | 11        | 1145 6.01 | 0740 4.05 | 0616 1.72 | 0644 4.45 | 0700 1.84 | 0756 4.38 | 0731 1.75 | 0731 1.75 | 0731 1.75 | 1324 5.32 | 0731 1.75 |           |           |
|      | 2251 2.66 | FR        | 1830 0.61 | SA        | 1406 2.89 | SU        | 1204 5.54 | MO        | 1251 5.31 | WE        | 1324 5.32 | WE        | 1324 5.32 |           |           |
|      |           |           |           | 1957 3.98 | 1848 1.01 | 1914 4.25 | 1932 1.22 | 2052 4.02 | 2003 1.13 | 2003 1.13 | 2003 1.13 | 2003 1.13 | 2003 1.13 |           |           |
| 3    | 0550 3.83 | 11        | 0018 5.32 | 19        | 0224 2.67 | 27        | 0043 4.95 | 3         | 0134 2.41 | 11        | 0126 4.82 | 19        | 0248 2.62 | 27        | 0159 4.92 |
| FR   | 1206 3.15 | 12        | 0632 1.48 | 0834 4.36 | 0648 1.82 | 0752 4.76 | 0736 2.01 | 0845 4.60 | 0815 1.82 | 0815 1.82 | 0815 1.82 | 1409 5.14 | 0815 1.82 |           |           |
|      | 1803 4.11 | SA        | 1220 5.84 | SU        | 1500 2.52 | MO        | 1240 5.44 | WE        | 1528 1.98 | TH        | 1409 5.14 | TH        | 1409 5.14 |           |           |
|      |           |           | 1904 0.83 | 2059 4.24 | 1923 1.17 | 2030 4.44 | 2008 1.47 | 2144 4.24 | 2043 1.34 | 2043 1.34 | 2043 1.34 | 2043 1.34 | 2043 1.34 |           |           |
| 4    | 0118 2.64 | 12        | 0054 5.11 | 20        | 0310 2.44 | 28        | 0117 4.81 | 4         | 0242 2.23 | 12        | 0202 4.68 | 20        | 0335 2.42 | 28        | 0241 4.87 |
| SA   | 0800 4.19 | 13        | 0705 1.72 | 0908 4.67 | 0723 2.00 | 0843 5.09 | 0813 2.21 | 0926 4.82 | 0904 1.93 | 0904 1.93 | 0904 1.93 | 1457 4.89 | 0904 1.93 |           |           |
|      | 1407 2.73 | SU        | 1257 5.56 | MO        | 1538 2.14 | TU        | 1318 5.27 | WE        | 1411 4.85 | TH        | 1610 1.67 | FR        | 1457 4.89 |           |           |
|      | 2007 4.36 | 1939 1.17 | 2139 4.50 | 2139 4.50 | 2000 1.41 | 2127 4.66 | 2043 1.76 | 2224 4.44 | 2124 1.62 | 2124 1.62 | 2124 1.62 | 2124 1.62 | 2124 1.62 |           |           |
| 5    | 0239 2.29 | 13        | 0130 4.85 | 21        | 0345 2.22 | 29        | 0157 4.64 | 5         | 0335 2.03 | 13        | 0242 4.52 | 21        | 0415 2.21 | 29        | 0329 4.79 |
| SU   | 0850 4.71 | 14        | 0737 2.02 | 0937 4.95 | 0801 2.22 | 0928 5.36 | 0854 2.42 | 1004 5.04 | 1000 2.05 | 1000 2.05 | 1000 2.05 | 1551 4.59 | 1000 2.05 |           |           |
|      | 1510 2.13 | MO        | 1334 5.21 | TU        | 1611 1.77 | WE        | 1403 5.02 | TH        | 1453 4.57 | SA        | 1551 4.59 | SA        | 1551 4.59 |           |           |
|      | 2109 4.76 | 2014 1.58 | 2212 4.72 | 2212 4.72 | 2042 1.71 | 2213 4.85 | 2119 2.06 | 2259 4.63 | 2210 1.94 | 2210 1.94 | 2210 1.94 | 2210 1.94 | 2210 1.94 |           |           |
| 6    | 0329 1.92 | 14        | 0208 4.56 | 22        | 0416 2.02 | 30        | 0245 4.46 | 6         | 0421 1.85 | 14        | 0326 4.36 | 22        | 0454 2.02 | 30        | 0426 4.69 |
| MO   | 0927 5.21 | 15        | 0811 2.38 | 1004 5.19 | 0852 2.47 | 1010 5.54 | 0943 2.62 | 1042 5.22 | 1105 2.15 | 1105 2.15 | 1105 2.15 | 1656 4.29 | 1105 2.15 |           |           |
|      | 1556 1.53 | TU        | 1415 4.83 | WE        | 1642 1.45 | TH        | 1457 4.73 | FR        | 1540 4.29 | SU        | 1656 4.29 | SU        | 1656 4.29 |           |           |
|      | 2153 5.12 | 2050 2.02 | 2242 4.89 | 2242 4.89 | 2132 2.04 | 2255 4.97 | 2200 2.35 | 2333 4.77 | 2306 2.26 | 2306 2.26 | 2306 2.26 | 2306 2.26 | 2306 2.26 |           |           |
| 7    | 0410 1.60 | 15        | 0254 4.26 | 23        | 0446 1.86 | 31        | 0347 4.31 | 7         | 0503 1.74 | 15        | 0421 4.22 | 23        | 0531 1.87 |           |           |
| TU   | 1001 5.63 | 16        | 0849 2.74 | 1032 5.37 | 1007 2.66 | 1050 5.61 | 1049 2.76 | 1120 5.35 | 1120 5.35 | 1120 5.35 | 1120 5.35 |           | 1120 5.35 |           |           |
|      | 1638 1.04 | WE        | 1505 4.43 | TH        | 1712 1.20 | FR        | 1606 4.44 | SA        | 1640 4.03 | SU        | 1807 1.02 |           |           |           |           |
|      | 2231 5.35 | 2136 2.45 | 2311 5.00 | 2311 5.00 | 2241 2.32 | 2334 5.02 | 2254 2.61 |           |           |           |           |           |           |           |           |
| 8    | 0448 1.39 | 16        | 0357 4.00 | 24        | 0515 1.75 |           |           | 8         | 0544 1.70 | 16        | 0533 4.16 | 24        | 0007 4.86 |           |           |
| WE   | 1035 5.91 | 17        | 0959 3.07 | 1101 5.50 |           | 1130 5.58 | 1215 2.76 | 0610 1.77 | 0610 1.77 | 0610 1.77 | 0610 1.77 |           | 0610 1.77 |           |           |
|      | 1716 0.70 | TH        | 1614 4.09 | FR        | 1743 1.03 |           |           | 1200 5.42 | 1200 5.42 | 1200 5.42 | 1200 5.42 |           | 1200 5.42 |           |           |
| ●    | 2308 5.46 | 2256 2.77 | 2340 5.04 | 2340 5.04 |           |           | 1801 3.86 | 1845 0.96 | 1845 0.96 | 1845 0.96 | 1845 0.96 |           | 1845 0.96 |           |           |

  

| JULY |           |           |           | AUGUST    |           |           |           |           |           |           |           |           |           |      |           |
|------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|------|-----------|
| Time | m         | Time      | m         | Time      | m         | Time      | m         | Time      | m         | Time      | m         | Time      | m         | Time | m         |
| 1    | 0536 4.62 | 9         | 0044 4.95 | 17        | 0620 4.13 | 25        | 0108 5.31 | 1         | 0110 2.91 | 9         | 0115 5.23 | 17        | 0246 2.98 | 25   | 0146 5.71 |
| MO   | 1220 2.16 | 10        | 0659 1.68 | 1326 2.47 | 0730 1.16 | 0739 4.23 | 0739 1.30 | 0846 4.11 | 0823 0.77 | 0823 0.77 | 0823 0.77 | 1410 5.08 | 0823 0.77 |      |           |
|      | 1817 4.05 | TU        | 1246 5.25 | WE        | 1946 3.58 | TH        | 1317 5.51 | FR        | 1326 5.12 | SA        | 1545 2.04 | SU        | 1410 5.08 |      |           |
|      |           | 1925 1.07 | 1925 1.07 |           |           | 1952 0.73 | 1952 1.12 | 2223 3.98 | 2028 1.17 | 2028 1.17 | 2028 1.17 | 2028 1.17 | 2028 1.17 |      |           |
| 2    | 0021 2.51 | 10        | 0115 4.96 | 18        | 0132 2.93 | 26        | 0143 5.38 | 2         | 0318 2.72 | 10        | 0140 5.19 | 18        | 0358 2.52 | 26   | 0220 5.45 |
| TU   | 0652 4.63 | 11        | 0731 1.71 | 0745 4.20 | 0809 1.15 | 0913 4.41 | 0803 1.37 | 0949 4.56 | 0859 1.15 | 0859 1.15 | 0859 1.15 | 1446 4.63 | 0859 1.15 |      |           |
|      | 1342 2.06 | WE        | 1320 5.14 | TH        | 1447 2.23 | FR        | 1357 5.33 | SA        | 1633 1.55 | MO        | 1446 4.63 | MO        | 1446 4.63 |      |           |
|      | 1949 4.00 | 1955 1.20 | 2130 3.79 | 2130 3.79 | 2026 0.95 | 2229 4.15 | 2013 1.33 | 2248 4.43 | 2055 1.66 | 2055 1.66 | 2055 1.66 | 2055 1.66 | 2055 1.66 |      |           |
| 3    | 0152 2.58 | 11        | 0145 4.93 | 19        | 0300 2.76 | 27        | 0218 5.35 | 3         | 0423 2.34 | 11        | 0204 5.09 | 19        | 0443 2.00 | 27   | 0255 5.05 |
| WE   | 0803 4.72 | 12        | 0803 1.79 | 0856 4.42 | 0849 1.26 | 1013 4.71 | 0829 1.51 | 1032 5.02 | 0937 1.66 | 0937 1.66 | 0937 1.66 | 1527 4.12 | 0937 1.66 |      |           |
|      | 1456 1.85 | TH        | 1353 4.98 | FR        | 1549 1.90 | SA        | 1437 5.04 | SU        | 1420 4.68 | TU        | 1527 4.12 | TU        | 1527 4.12 |      |           |
|      | 2112 4.13 | 2022 1.39 | 2221 4.09 | 2221 4.09 | 2100 1.27 | 2303 4.50 | 2034 1.60 | 2315 4.85 | 2122 2.20 | 2122 2.20 | 2122 2.20 | 2122 2.20 | 2122 2.20 |      |           |
| 4    | 0311 2.45 | 12        | 0215 4.86 | 20        | 0359 2.46 | 28        | 0256 5.21 | 4         | 0508 1.97 | 12        | 0230 4.92 | 20        | 0522 1.49 | 28   | 0336 4.54 |
| TH   | 0907 4.87 | 13        | 0833 1.91 | 0951 4.72 | 0931 1.49 | 1055 4.99 | 0857 1.72 | 1111 5.40 | 1031 2.20 | 1031 2.20 | 1031 2.20 | 1626 3.60 | 1031 2.20 |      |           |
|      | 1557 1.59 | FR        | 1426 4.76 | SA        | 1639 1.53 | SU        | 1521 4.66 | MO        | 1449 4.38 | WE        | 1626 3.60 | WE        | 1626 3.60 |      |           |
|      | 2212 4.36 | 2048 1.63 | 2257 4.40 | 2257 4.40 | 2133 1.69 | 2332 4.78 | 2056 1.92 | 2343 5.24 | 2151 2.75 | 2151 2.75 | 2151 2.75 | 2151 2.75 | 2151 2.75 |      |           |
| 5    | 0411 2.23 | 13        | 0245 4.75 | 21        | 0445 2.13 | 29        | 0339 4.96 | 5         | 0545 1.67 | 13        | 0257 4.68 | 21        | 0600 1.04 | 29   | 0454 4.01 |
| FR   | 1001 5.04 | 14        | 0906 2.05 | 1036 5.03 | 1021 1.79 | 1130 5.19 | 0930 1.99 | 1146 5.65 | 1239 2.59 | 1239 2.59 | 1239 2.59 | 1942 3.32 | 1239 2.59 |      |           |
|      | 1649 1.34 | SA        | 1500 4.51 | SU        | 1722 1.18 | MO        | 1611 4.22 | TU        | 1521 4.02 | TH        | 1942 3.32 | TH        | 1942 3.32 |      |           |
|      | 2258 4.58 | 2115 1.91 | 2330 4.69 | 2330 4.69 | 2211 2.15 | 2808 0.99 | 2118 2.29 |           |           |           |           |           |           |      |           |
| 6    | 0500 2.01 | 14        | 0319 4.60 | 22        | 0529 1.80 | 30        | 0432 4.64 | 6         | 0000 4.99 | 14        | 0330 4.38 | 22        | 0013 5.55 | 30   | 0144 3.15 |
| SA   | 1049 5.18 | 15        | 0943 2.23 | 1118 5.30 | 1127 2.11 | 1201 5.30 | 1127 2.11 | 1201 5.30 | 0753 3.85 | 0753 3.85 | 0753 3.85 | 1515 2.35 | 0753 3.85 |      |           |
|      | 1735 1.15 | SU        | 1538 4.21 | MO        | 1802 0.90 | TU        | 1720 3.80 | WE        | 1605 3.63 | FR        | 1515 2.35 | FR        | 1515 2.35 |      |           |
| ●    | 2336 4.76 | 2144 2.21 | 2306 2.61 | 2306 2.61 | 2306 2.61 | 1838 0.88 | 2144 2.69 | 1857 0.42 | 2207 3.78 | 2207 3.78 | 2207 3.78 | 2207 3.78 | 2207 3.78 |      |           |
| 7    | 0544 1.83 | 15        | 0400 4.41 | 23        | 0001 4.95 | 31        | 0553 4.34 | 7         | 0026 5.13 | 15        | 0421 4.06 | 23        | 0043 5.75 | 31   | 0346 2.69 |
| SU   | 1131 5.27 | 16        | 1032 2.41 | 0610 1.51 | 1302 2.29 | 0646 1.33 | 1156 2.59 | 0713 0.54 | 0934 4.22 | 0934 4.22 | 0934 4.22 | 1612 1.91 | 0934 4.22 |      |           |
|      | 1815 1.04 | MO        | 1629 3.90 | TU        | 1159 5.49 | WE        | 1916 3.57 | TH        | 1814 3.30 | FR        | 1258 5.67 | SA        | 1612 1.91 |      |           |
|      |           | 2221 2.54 | 1841 0.72 | 1841 0.72 |           |           | 2307 3.10 | 1929 0.52 | 2230 4.23 | 2230 4.23 | 2230 4.23 | 2230 4.23 | 2230 4.23 |      |           |
| 8    | 0011 4.88 | 16        | 0458 4.23 | 24        | 0034 5.16 |           |           | 8         | 0051 5.21 | 16        | 0643 3.87 | 24        | 0115 5.81 |      |           |
| MO   | 0623 1.72 | 17        | 1149 2.52 | 0650 1.29 |           | 0714 1.28 | 1422 2.47 | 0748 0.55 | 0748 0.55 | 0748 0.55 | 0748 0.55 |           | 0748 0.55 |      |           |
|      | 1210 5.29 | TU        | 1747 3.64 | WE        | 1238 5.56 |           |           | 1333 5.44 | 1333 5.44 | 1333 5.44 | 1333 5.44 |           | 1333 5.44 |      |           |
|      | 1852 1.01 | 2330 2.84 | 1917 0.66 | 1917 0.66 |           |           | 1930 0.97 | 1959 0.78 | 1959 0.78 | 1959 0.78 | 1959 0.78 |           | 1959 0.78 |      |           |

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 Datum of Predictions is Lowest Astronomical Tide

Moon Phase Symbols ● New Moon ○ First Quarter ○ Full Moon ○ Last Quarter

# AUSTRALIA, NORTH-WEST COAST – PORT WALCOTT (CAPE LAMBERT)

# 2024

LAT 20° 35' S LONG 117° 11' E

TIMES AND HEIGHTS OF HIGH AND LOW WATERS

TIME ZONE -0800

## SEPTEMBER

## OCTOBER

| Time | m         | Time | m         | Time      | m         | Time      | m         | Time      | m         | Time      | m         | Time      | m         | Time      | m         |
|------|-----------|------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| 1    | 0429 2.19 | 9    | 0126 5.32 | 17        | 0428 1.73 | 25        | 0220 4.96 | 1         | 0439 1.64 | 9         | 0116 5.19 | 17        | 0438 0.89 | 25        | 0245 4.27 |
|      | 1016 4.63 |      | 0756 1.11 |           | 1018 5.09 |           | 0902 1.69 |           | 1029 4.91 |           | 0753 1.25 |           | 1031 5.41 |           | 0931 2.36 |
| SU   | 1648 1.50 | MO   | 1345 4.80 | TU        | 1649 1.07 | WE        | 1454 4.05 | TU        | 1650 1.35 | WE        | 1344 4.53 | TH        | 1652 0.97 | FR        | 1549 3.69 |
|      | 2252 4.62 |      | 1958 1.50 |           | 2247 5.15 | ☾         | 2045 2.37 |           | 2243 5.08 |           | 1948 1.93 | ☉         | 2241 5.81 |           | 2123 3.05 |
| 2    | 0501 1.76 | 10   | 0148 5.12 | 18        | 0504 1.12 | 26        | 0258 4.37 | 2         | 0505 1.29 | 10        | 0142 4.90 | 18        | 0515 0.41 | 26        | 0417 3.77 |
|      | 1048 4.97 |      | 0820 1.37 |           | 1053 5.49 |           | 0948 2.33 |           | 1053 5.14 |           | 0821 1.64 |           | 1105 5.60 |           | 1139 2.78 |
| MO   | 1718 1.19 | TU   | 1410 4.49 | WE        | 1723 0.70 | TH        | 1550 3.54 | WE        | 1715 1.16 | TH        | 1412 4.17 | FR        | 1727 0.80 | SA        | 1938 3.58 |
|      | 2314 4.94 |      | 2017 1.83 | ☉         | 2314 5.59 | 2102 2.92 |           | 2303 5.32 |           | 2009 2.31 |           | 2311 6.07 |           |           |           |
| 3    | 0530 1.42 | 11   | 0213 4.85 | 19        | 0540 0.60 | 27        | 0415 3.78 | 3         | 0530 1.02 | 11        | 0211 4.53 | 19        | 0550 0.14 | 27        | 0153 3.04 |
|      | 1115 5.20 |      | 0847 1.72 |           | 1128 5.73 |           | 1237 2.78 |           | 1117 5.28 |           | 0856 2.10 |           | 1139 5.63 |           | 0727 3.68 |
| TU   | 1746 0.97 | WE   | 1436 4.12 | TH        | 1757 0.49 | FR        | 2146 3.45 | TH        | 1739 1.06 | FR        | 1447 3.76 | SA        | 1800 0.79 | SU        | 1415 2.62 |
| ☾    | 2336 5.19 | ☉    | 2036 2.21 | 2343 5.92 |           |           |           | ☾         | 2324 5.49 | ☉         | 2030 2.74 |           | 2343 6.15 |           | 2055 4.00 |
| 4    | 0558 1.16 | 12   | 0238 4.50 | 20        | 0615 0.26 | 28        | 0242 3.10 | 4         | 0554 0.82 | 12        | 0250 4.10 | 20        | 0626 0.10 | 28        | 0300 2.58 |
|      | 1142 5.34 |      | 0921 2.15 |           | 1201 5.79 |           | 0821 3.72 |           | 1142 5.33 |           | 0958 2.59 |           | 1214 5.51 |           | 0855 4.03 |
| WE   | 1812 0.86 | TH   | 1508 3.69 | FR        | 1829 0.46 | SA        | 1511 2.43 | FR        | 1802 1.03 | SA        | 1636 3.37 | SU        | 1832 0.94 | MO        | 1509 2.29 |
|      | 2358 5.35 |      | 2050 2.64 |           |           |           | 2150 3.94 |           | 2345 5.58 |           | 2110 3.21 |           |           |           | 2120 4.40 |
| 5    | 0623 1.00 | 13   | 0312 4.10 | 21        | 0013 6.08 | 29        | 0339 2.56 | 5         | 0617 0.71 | 13        | 0532 3.70 | 21        | 0015 6.04 | 29        | 0336 2.13 |
|      | 1207 5.37 |      | 1026 2.61 |           | 0649 0.14 |           | 0930 4.17 |           | 1206 5.30 |           | 1336 2.65 |           | 0700 0.29 |           | 0932 4.38 |
| TH   | 1836 0.85 | FR   | 1624 3.24 | SA        | 1234 5.68 | SU        | 1552 2.00 | SA        | 1824 1.07 | SU        | 2053 3.73 | MO        | 1247 5.26 | TU        | 1544 2.00 |
|      |           |      | 2044 3.08 |           | 1900 0.60 |           | 2205 4.38 |           |           |           |           | 1903 1.22 |           | 2143 4.76 |           |
| 6    | 0020 5.45 | 14   | 0545 3.70 | 22        | 0044 6.06 | 30        | 0411 2.06 | 6         | 0007 5.60 | 14        | 0231 2.87 | 22        | 0049 5.76 | 30        | 0406 1.73 |
|      | 0646 0.91 |      | 1419 2.61 |           | 0723 0.25 |           | 1002 4.58 |           | 0640 0.69 |           | 0821 4.02 |           | 0733 0.68 |           | 1000 4.68 |
| FR   | 1232 5.33 | SA   | 2155 3.58 | SU        | 1308 5.41 | MO        | 1623 1.64 | SU        | 1230 5.21 | MO        | 1459 2.19 | TU        | 1322 4.92 | WE        | 1613 1.76 |
|      | 1858 0.91 |      |           |           | 1929 0.90 |           | 2223 4.76 |           | 1845 1.18 |           | 2119 4.30 |           | 1933 1.60 |           | 2204 5.06 |
| 7    | 0042 5.47 | 15   | 0258 3.00 | 23        | 0115 5.85 |           |           | 7         | 0030 5.54 | 15        | 0322 2.20 | 23        | 0124 5.34 | 31        | 0433 1.38 |
|      | 0710 0.89 |      | 0845 4.01 |           | 0756 0.58 |           |           |           | 0703 0.77 |           | 0917 4.56 |           | 0807 1.20 |           | 1028 4.91 |
| SA   | 1257 5.22 | SU   | 1536 2.09 | MO        | 1342 5.03 |           |           | MO        | 1254 5.05 | TU        | 1541 1.70 | WE        | 1359 4.52 | TH        | 1640 1.58 |
|      | 1918 1.04 |      | 2203 4.10 |           | 1957 1.32 |           |           |           | 1907 1.36 |           | 2145 4.87 |           | 2002 2.07 |           | 2227 5.29 |
| 8    | 0103 5.43 | 16   | 0350 2.39 | 24        | 0146 5.47 |           |           | 8         | 0052 5.41 | 16        | 0401 1.51 | 24        | 0200 4.82 |           |           |
|      | 0732 0.96 |      | 0941 4.57 |           | 0828 1.08 |           |           |           | 0728 0.95 |           | 0956 5.05 |           | 0844 1.78 |           |           |
| SU   | 1321 5.04 | MO   | 1615 1.55 | TU        | 1416 4.56 |           |           | TU        | 1318 4.82 | WE        | 1617 1.28 | TH        | 1442 4.09 |           |           |
|      | 1938 1.24 |      | 2223 4.63 |           | 2022 1.82 |           |           |           | 1928 1.61 |           | 2212 5.39 | ☉         | 2033 2.56 |           |           |

## NOVEMBER

## DECEMBER

| Time | m         | Time | m         | Time      | m         | Time | m         | Time | m         | Time | m         | Time | m         | Time | m         |
|------|-----------|------|-----------|-----------|-----------|------|-----------|------|-----------|------|-----------|------|-----------|------|-----------|
| 1    | 0459 1.09 | 9    | 0211 4.55 | 17        | 0530 0.38 | 25   | 0531 3.76 | 1    | 0459 1.14 | 9    | 0324 4.43 | 17   | 0601 0.77 | 25   | 0520 3.79 |
|      | 1054 5.06 |      | 0856 2.04 |           | 1124 5.29 |      | 1206 2.73 |      | 1104 4.82 |      | 0956 2.09 |      | 1201 5.01 |      | 1115 2.76 |
| FR   | 1705 1.46 | SA   | 1503 3.97 | SU        | 1737 1.30 | MO   | 1857 4.02 | SU   | 1703 1.85 | MO   | 1615 4.38 | TU   | 1810 1.71 | WE   | 1803 4.24 |
| ☾    | 2250 5.45 | ☉    | 2056 2.81 | 2320 5.95 |           |      |           | ☾    | 2248 5.36 |      | 2252 2.58 |      | 2356 5.57 |      |           |
| 2    | 0524 0.88 | 10   | 0312 4.16 | 18        | 0608 0.38 | 26   | 0145 2.74 | 2    | 0530 0.98 | 10   | 0441 4.16 | 18   | 0643 0.82 | 26   | 0111 2.67 |
|      | 1119 5.14 |      | 1003 2.43 |           | 1200 5.23 |      | 0731 3.79 |      | 1133 4.90 |      | 1103 2.35 |      | 1240 5.03 |      | 0704 3.68 |
| SA   | 1730 1.40 | SU   | 1647 3.78 | MO        | 1813 1.38 | TU   | 1346 2.69 | MO   | 1733 1.77 | TU   | 1739 4.41 | WE   | 1849 1.74 | TH   | 1252 2.94 |
|      | 2314 5.55 |      | 2318 3.03 |           | 2358 5.81 |      | 2008 4.28 |      | 2318 5.42 |      |           |      |           |      | 1925 4.29 |
| 3    | 0550 0.75 | 11   | 0515 3.88 | 19        | 0645 0.56 | 27   | 0244 2.39 | 3    | 0600 0.91 | 11   | 0027 2.45 | 19   | 0036 5.43 | 27   | 0227 2.43 |
|      | 1145 5.15 |      | 1212 2.58 |           | 1238 5.08 |      | 0844 4.02 |      | 1203 4.92 |      | 0618 4.04 |      | 0721 0.97 |      | 0843 3.80 |
| SU   | 1754 1.40 | MO   | 1914 4.00 | TU        | 1848 1.57 | WE   | 1446 2.52 | TU   | 1804 1.76 | WE   | 1228 2.49 | TH   | 1316 4.99 | FR   | 1425 2.89 |
|      | 2337 5.57 |      |           |           |           |      | 2049 4.57 |      | 2349 5.42 |      | 1902 4.60 |      | 1929 1.85 |      | 2029 4.46 |
| 4    | 0615 0.73 | 12   | 0134 2.68 | 20        | 0036 5.55 | 28   | 0324 2.02 | 4    | 0633 0.93 | 12   | 0148 2.11 | 20   | 0116 5.23 | 28   | 0321 2.12 |
|      | 1211 5.09 |      | 0728 4.03 |           | 0722 0.88 |      | 0928 4.28 |      | 1234 4.90 |      | 0750 4.14 |      | 0758 1.20 |      | 0945 4.04 |
| MO   | 1819 1.46 | TU   | 1354 2.37 | WE        | 1316 4.86 | TH   | 1528 2.32 | WE   | 1835 1.81 | TH   | 1353 2.45 | FR   | 1353 4.90 | SA   | 1525 2.71 |
|      |           |      | 2017 4.47 |           | 1924 1.85 |      | 2121 4.83 |      |           |      | 2006 4.89 |      | 2007 2.02 |      | 2117 4.67 |
| 5    | 0002 5.51 | 13   | 0240 2.09 | 21        | 0115 5.20 | 29   | 0358 1.68 | 5    | 0023 5.35 | 13   | 0252 1.70 | 21   | 0156 4.98 | 29   | 0404 1.81 |
|      | 0643 0.80 |      | 0840 4.41 |           | 0800 1.29 |      | 1003 4.51 |      | 0707 1.04 |      | 0900 4.35 |      | 0832 1.49 |      | 1028 4.29 |
| TU   | 1237 4.97 | WE   | 1454 2.04 | TH        | 1356 4.61 | FR   | 1602 2.14 | TH   | 1306 4.82 | FR   | 1500 2.29 | SA   | 1430 4.78 | SU   | 1610 2.48 |
|      | 1844 1.60 |      | 2058 4.97 |           | 2002 2.19 |      | 2151 5.06 |      | 1909 1.93 |      | 2059 5.17 |      | 2045 2.22 |      | 2200 4.90 |
| 6    | 0030 5.38 | 14   | 0328 1.48 | 22        | 0159 4.79 | 30   | 0429 1.38 | 6    | 0100 5.21 | 14   | 0345 1.32 | 22   | 0235 4.68 | 30   | 0444 1.51 |
|      | 0711 0.99 |      | 0928 4.79 |           | 0840 1.74 |      | 1034 4.69 |      | 0743 1.23 |      | 0953 4.59 |      | 0905 1.80 |      | 1102 4.52 |
| WE   | 1305 4.78 | TH   | 1540 1.72 | FR        | 1442 4.35 | SA   | 1633 1.97 | FR   | 1343 4.72 | SA   | 1555 2.08 | SU   | 1508 4.64 | MO   | 1648 2.25 |
|      | 1909 1.82 |      | 2133 5.42 |           | 2046 2.55 |      | 2220 5.23 |      | 1945 2.10 |      | 2146 5.41 |      | 2128 2.44 |      | 2237 5.12 |
| 7    | 0059 5.18 | 15   | 0410 0.96 | 23        | 0248 4.38 |      |           | 7    | 0139 5.00 | 15   | 0433 1.02 | 23   | 0317 4.37 | 31   | 0521 1.26 |
|      | 0740 1.27 |      | 1009 5.08 |           | 0925 2.17 |      |           |      | 0821 1.49 |      | 1040 4.79 |      | 0939 2.13 |      | 1134 4.72 |
| TH   | 1335 4.54 | FR   | 1621 1.47 | SA        | 1538 4.10 |      |           | SA   | 1423 4.59 | SU   | 1644 1.89 | MO   | 1551 4.47 | TU   | 1726 2.04 |
|      | 1936 2.10 |      | 2209 5.75 | ☾         | 2156 2.86 |      |           |      | 2030 2.31 | ☉    | 2230 5.56 | ☉    | 2221 2.63 | ☾    | 2314 5.30 |
| 8    | 0131 4.90 | 16   | 0450 0.57 | 24        | 0354 4.00 |      |           | 8    | 0226 4.73 | 16   | 0519 0.83 | 24   | 0408 4.05 |      |           |
|      | 0814 1.63 |      | 1046 5.25 |           | 1029 2.53 |      |           |      | 0903 1.78 |      | 1122 4.93 |      | 1017 2.46 |      |           |
| FR   | 1412 4.26 | SA   | 1700 1.33 | SU        | 1700 3.95 |      |           | SU   | 1512 4.46 | MO   | 1728 1.76 | TU   | 1646 4.32 |      |           |
|      | 2007 2.44 | ☉    | 2245 5.93 |           | 2359 2.96 |      |           | ☉    | 2129 2.50 |      | 2314 5.61 |      | 2338 2.73 |      |           |

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 Datum of Predictions is Lowest Astronomical Tide

Moon Phase Symbols ● New Moon ○ First Quarter ○ Full Moon ● Last Quarter

# SHALE ISLAND – WESTERN AUSTRALIA

LAT 16° 23' S LONG 124° 20' E

# 2024

TIMES AND HEIGHTS OF HIGH AND LOW WATERS

LOCAL TIME

## JANUARY

## FEBRUARY

| Time | m   | Time | m   | Time | m   | Time | m   |  |  |
|------|---|------|---|------|---|------|---|--|--|
| 1    | 0218 10.91<br>0845 2.30<br>MO 1444 10.44<br>2053 2.98 | 9    | 0407 3.49<br>1014 8.76<br>TU 1627 4.18<br>2225 9.81   | 17   | 0309 11.29<br>0943 1.70<br>WE 1538 11.15<br>2202 2.29 | 25   | 0605 2.29<br>1205 10.04<br>TH 1818 3.06               |  |  |
| 2    | 0247 10.51<br>0912 2.64<br>TU 1512 10.16<br>2123 3.30 | 10   | 0503 2.69<br>1105 9.50<br>WE 1720 3.51<br>2312 10.56  | 18   | 0350 10.61<br>1018 2.31<br>TH 1617 10.70<br>2244 2.85 | 26   | 0007 10.84<br>0643 1.86<br>FR 1236 10.56<br>1852 2.61 |  |  |
| 3    | 0316 10.03<br>0939 3.02<br>WE 1540 9.85<br>2155 3.66  | 11   | 0550 2.03<br>1147 10.14<br>TH 1804 2.92<br>2353 11.18 | 19   | 0433 9.76<br>1055 3.10<br>FR 1700 10.05<br>2334 3.54  | 27   | 0039 11.26<br>0714 1.65<br>SA 1305 10.88<br>1923 2.34 |  |  |
| 4    | 0347 9.49<br>1009 3.46<br>TH 1614 9.51<br>2235 4.04   | 12   | 0633 1.56<br>1226 10.66<br>FR 1845 2.45               | 20   | 0527 8.80<br>1139 4.00<br>SA 1755 9.28                | 28   | 0108 11.47<br>0742 1.59<br>SU 1332 11.08<br>1949 2.19 |  |  |
| 5    | 0428 8.87<br>1048 3.99<br>FR 1700 9.09<br>2332 4.43   | 13   | 0033 11.65<br>0713 1.25<br>SA 1304 11.05<br>1925 2.09 | 21   | 0045 4.21<br>0645 7.96<br>SU 1250 4.86<br>1920 8.64   | 29   | 0135 11.52<br>0806 1.61<br>MO 1357 11.17<br>2015 2.13 |  |  |
| 6    | 0532 8.21<br>1144 4.57<br>SA 1809 8.68                | 14   | 0111 11.91<br>0752 1.10<br>SU 1342 11.32<br>2004 1.86 | 22   | 0239 4.38<br>0851 7.74<br>MO 1500 5.12<br>2125 8.71   | 30   | 0201 11.42<br>0829 1.70<br>TU 1422 11.19<br>2039 2.15 |  |  |
| 7    | 0059 4.62<br>0708 7.82<br>SU 1315 5.00<br>1946 8.59   | 15   | 0151 11.95<br>0830 1.10<br>MO 1421 11.45<br>2043 1.80 | 23   | 0416 3.79<br>1030 8.43<br>TU 1637 4.52<br>2242 9.44   | 31   | 0226 11.21<br>0851 1.85<br>WE 1445 11.12<br>2104 2.26 |  |  |
| 8    | 0251 4.27<br>0901 8.06<br>MO 1514 4.82<br>2122 9.06   | 16   | 0229 11.75<br>0907 1.30<br>TU 1459 11.40<br>2123 1.94 | 24   | 0519 2.97<br>1125 9.31<br>WE 1735 3.73<br>2331 10.23  |      |   |  |  |

|   |   |    |   |    |   |    |   |  |  |
|---|---|----|---|----|---|----|---|--|--|
| 1 | 0250 10.88<br>0912 2.11<br>TH 1507 10.94<br>2128 2.49 | 9  | 0548 2.26<br>1145 10.09<br>FR 1803 2.87<br>2352 11.29 | 17 | 0352 10.05<br>1007 2.86<br>SA 1608 10.35<br>2238 3.31 | 25 | 0027 11.36<br>0659 1.56<br>SU 1247 11.17<br>1910 1.98 |  |  |
| 2 | 0314 10.42<br>0934 2.52<br>FR 1532 10.61<br>2156 2.87 | 10 | 0630 1.40<br>1221 11.00<br>SA 1844 2.00               | 18 | 0428 8.91<br>1033 3.99<br>SU 1645 9.23<br>2323 4.46   | 26 | 0052 11.62<br>0723 1.41<br>MO 1309 11.46<br>1934 1.71 |  |  |
| 3 | 0343 9.80<br>0958 3.10<br>SA 1602 10.07<br>2229 3.46  | 11 | 0030 12.04<br>0709 0.78<br>SU 1257 11.70<br>1923 1.33 | 19 | 0527 7.66<br>1117 5.24<br>MO 1801 8.02                | 27 | 0116 11.75<br>0744 1.33<br>TU 1332 11.69<br>1956 1.51 |  |  |
| 4 | 0419 8.97<br>1028 3.91<br>SU 1642 9.30<br>2319 4.25   | 12 | 0106 12.47<br>0744 0.44<br>MO 1332 12.18<br>1959 0.91 | 20 | 0155 5.34<br>0855 6.93<br>TU 1500 5.95<br>2144 7.88   | 28 | 0139 11.75<br>0806 1.32<br>WE 1354 11.81<br>2020 1.42 |  |  |
| 5 | 0516 7.98<br>1117 4.90<br>MO 1756 8.43                | 13 | 0142 12.56<br>0818 0.39<br>TU 1406 12.39<br>2034 0.78 | 21 | 0435 4.47<br>1056 8.14<br>WE 1658 4.83<br>2256 9.07   | 29 | 0203 11.61<br>0827 1.43<br>TH 1416 11.79<br>2042 1.48 |  |  |
| 6 | 0106 4.92<br>0725 7.28<br>TU 1339 5.66<br>2022 8.18   | 14 | 0216 12.33<br>0849 0.63<br>WE 1439 12.30<br>2107 0.98 | 22 | 0527 3.30<br>1133 9.31<br>TH 1742 3.71<br>2333 10.13  |    |   |  |  |
| 7 | 0344 4.43<br>1002 7.90<br>WE 1613 4.99<br>2216 9.11   | 15 | 0249 11.80<br>0918 1.15<br>TH 1509 11.92<br>2138 1.50 | 23 | 0602 2.42<br>1201 10.18<br>FR 1816 2.88               |    |   |  |  |
| 8 | 0458 3.33<br>1103 9.03<br>TH 1717 3.90<br>2310 10.28  | 16 | 0321 11.03<br>0944 1.92<br>FR 1538 11.26<br>2207 2.29 | 24 | 0002 10.88<br>0633 1.86<br>SA 1226 10.77<br>1845 2.34 |    |   |  |  |

## MARCH

## APRIL

|   |   |    |   |    |   |    |   |  |  |
|---|---|----|---|----|---|----|---|--|--|
| 1 | 0225 11.33<br>0846 1.71<br>FR 1437 11.58<br>2104 1.74 | 9  | 0536 2.17<br>1132 10.54<br>SA 1753 2.40<br>2341 11.58 | 17 | 0321 10.08<br>0931 3.01<br>SU 1530 10.30<br>2159 3.32 | 25 | 0004 11.26<br>0631 1.76<br>MO 1219 11.38<br>1845 1.72 |  |  |
| 2 | 0248 10.89<br>0905 2.16<br>SA 1459 11.18<br>2125 2.21 | 10 | 0614 1.15<br>1205 11.63<br>SU 1832 1.34               | 18 | 0350 8.92<br>0952 4.17<br>MO 1559 9.06<br>2231 4.61   | 26 | 0028 11.56<br>0654 1.53<br>TU 1240 11.73<br>1909 1.36 |  |  |
| 3 | 0310 10.27<br>0921 2.78<br>SU 1522 10.57<br>2148 2.93 | 11 | 0017 12.35<br>0650 0.51<br>MO 1238 12.38<br>1908 0.62 | 19 | 0434 7.62<br>1019 5.50<br>TU 1710 7.69                | 27 | 0052 11.73<br>0717 1.39<br>WE 1302 11.98<br>1933 1.11 |  |  |
| 4 | 0337 9.41<br>0940 3.62<br>MO 1552 9.69<br>2221 3.94   | 12 | 0050 12.71<br>0723 0.24<br>TU 1309 12.80<br>1942 0.26 | 20 | 0106 5.82<br>1006 6.93<br>WE 1555 6.11<br>2152 7.70   | 28 | 0116 11.76<br>0740 1.38<br>TH 1325 12.08<br>1957 1.04 |  |  |
| 5 | 0414 8.29<br>1007 4.72<br>TU 1637 8.54<br>2336 5.14   | 13 | 0123 12.70<br>0754 0.30<br>WE 1340 12.88<br>2014 0.27 | 21 | 0435 4.73<br>1050 8.29<br>TH 1654 4.77<br>2244 8.98   | 29 | 0141 11.64<br>0803 1.54<br>FR 1348 11.97<br>2020 1.19 |  |  |
| 6 | 0605 7.04<br>1137 6.02<br>WE 1936 7.70                | 14 | 0155 12.38<br>0822 0.66<br>TH 1410 12.64<br>2043 0.63 | 22 | 0511 3.56<br>1115 9.44<br>FR 1727 3.64<br>2315 10.03  | 30 | 0203 11.34<br>0823 1.89<br>SA 1410 11.67<br>2041 1.58 |  |  |
| 7 | 0339 4.97<br>1007 7.68<br>TH 1616 5.24<br>2213 8.93   | 15 | 0225 11.81<br>0848 1.25<br>FR 1438 12.12<br>2109 1.29 | 23 | 0541 2.68<br>1138 10.31<br>SA 1755 2.79<br>2340 10.78 | 31 | 0225 10.88<br>0840 2.40<br>SU 1431 11.21<br>2101 2.17 |  |  |
| 8 | 0453 3.51<br>1056 9.18<br>FR 1712 3.74<br>2302 10.40  | 16 | 0253 11.04<br>0910 2.05<br>SA 1504 11.33<br>2134 2.21 | 24 | 0607 2.12<br>1158 10.92<br>SU 1821 2.18               |    |   |  |  |

|   |   |    |   |    |   |    |   |  |  |
|---|---|----|---|----|---|----|---|--|--|
| 1 | 0246 10.26<br>0855 3.02<br>MO 1453 10.56<br>2123 2.96 | 9  | 0621 0.85<br>1208 12.62<br>TU 1844 0.42               | 17 | 0439 7.79<br>1025 5.66<br>WE 1719 7.73                | 25 | 0027 11.44<br>0648 1.82<br>TH 1232 11.89<br>1908 1.09 |  |  |
| 2 | 0312 9.43<br>0912 3.83<br>TU 1522 9.66<br>2154 4.02   | 10 | 0027 12.40<br>0655 0.74<br>WE 1240 12.84<br>1918 0.25 | 18 | 0019 5.71<br>0812 7.19<br>TH 1440 6.05<br>2051 7.66   | 26 | 0054 11.47<br>0715 1.83<br>FR 1258 11.91<br>1934 1.13 |  |  |
| 3 | 0348 8.33<br>0941 4.92<br>WE 1611 8.47<br>2316 5.23   | 11 | 0100 12.29<br>0726 0.90<br>TH 1311 12.75<br>1949 0.42 | 19 | 0341 5.13<br>0959 8.24<br>FR 1611 4.94<br>2159 8.67   | 27 | 0120 11.33<br>0739 2.02<br>SA 1323 11.74<br>1959 1.39 |  |  |
| 4 | 0558 7.17<br>1222 6.14<br>TH 1936 7.76                | 12 | 0131 11.97<br>0754 1.25<br>FR 1341 12.41<br>2018 0.87 | 20 | 0428 4.16<br>1031 9.27<br>SA 1648 3.89<br>2236 9.60   | 28 | 0145 11.02<br>0803 2.38<br>SU 1348 11.40<br>2024 1.86 |  |  |
| 5 | 0312 5.00<br>0938 8.06<br>FR 1554 4.96<br>2150 9.11   | 13 | 0202 11.48<br>0820 1.78<br>SA 1410 11.84<br>2045 1.56 | 21 | 0459 3.36<br>1056 10.11<br>SU 1717 3.01<br>2305 10.33 | 29 | 0209 10.57<br>0824 2.86<br>MO 1413 10.93<br>2048 2.47 |  |  |
| 6 | 0424 3.53<br>1025 9.65<br>SA 1647 3.35<br>2238 10.53  | 14 | 0233 10.80<br>0845 2.48<br>SU 1440 11.04<br>2110 2.45 | 22 | 0527 2.75<br>1119 10.78<br>MO 1745 2.28<br>2332 10.87 | 30 | 0236 10.00<br>0846 3.46<br>TU 1442 10.30<br>2118 3.24 |  |  |
| 7 | 0508 2.23<br>1102 11.02<br>SU 1729 1.97<br>2317 11.59 | 15 | 0304 9.93<br>0910 3.38<br>MO 1510 10.03<br>2138 3.52  | 23 | 0553 2.30<br>1142 11.31<br>TU 1813 1.70               |    |   |  |  |
| 8 | 0546 1.33<br>1136 12.03<br>MO 1807 0.98<br>2353 12.20 | 16 | 0339 8.90<br>0938 4.47<br>TU 1549 8.86<br>2216 4.69   | 24 | 0000 11.23<br>0621 1.98<br>WE 1207 11.68<br>1840 1.30 |    |   |  |  |

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Datum of Predictions is Lowest Astronomical Tide

Caution: Predictions are of secondary quality

Times are in local standard time (Time Zone UTC +08:00)

Moon Phase Symbols ● New Moon ○ First Quarter ○ Full Moon ● Last Quarter



# SHALE ISLAND – WESTERN AUSTRALIA

LAT 16° 23' S LONG 124° 20' E

# 2024

## TIMES AND HEIGHTS OF HIGH AND LOW WATERS

## LOCAL TIME

### MAY

### JUNE

| Time  | m  | Time   | m  | Time  | m  | Time   | m  | Time | m | Time | m | Time | m |
|---|--|--|--|---|--|--|--|------|---|------|---|------|---|
| <b>1</b><br>0309 9.27<br>0914 4.20<br>WE 1522 9.47<br>2204 4.13   | <b>9</b><br>0002 11.64<br>0626 1.65<br>TH 1211 12.32<br>1852 0.77  | <b>17</b><br>0601 7.89<br>1243 5.64<br>FR 1846 7.84                | <b>25</b><br>0033 10.95<br>0651 2.39<br>SA 1235 11.50<br>1913 1.49 | <b>1</b><br>0554 8.99<br>1226 4.43<br>SA 1834 8.88                | <b>9</b><br>0102 10.83<br>0716 2.49<br>SU 1308 11.37<br>1947 1.80  | <b>17</b><br>0052 4.84<br>0721 8.50<br>MO 1403 4.59<br>2015 8.15   | <b>25</b><br>0128 10.65<br>0746 2.59<br>TU 1335 11.30<br>2015 1.86 |      |   |      |   |      |   |
| <b>2</b><br>0406 8.41<br>1014 5.11<br>TH 1645 8.51<br>2342 4.90   | <b>10</b><br>0038 11.57<br>0659 1.76<br>FR 1245 12.18<br>1926 0.98 | <b>18</b><br>0121 5.25<br>0813 8.08<br>SA 1433 5.20<br>2041 8.19   | <b>26</b><br>0102 10.88<br>0721 2.51<br>SU 1305 11.39<br>1944 1.74 | <b>2</b><br>0101 4.08<br>0726 9.29<br>SU 1358 3.90<br>2008 9.14   | <b>10</b><br>0139 10.74<br>0751 2.62<br>MO 1347 11.13<br>2021 2.14 | <b>18</b><br>0220 4.76<br>0845 8.88<br>TU 1519 3.95<br>2128 8.64   | <b>26</b><br>0206 10.63<br>0824 2.64<br>WE 1415 11.13<br>2054 2.04 |      |   |      |   |      |   |
| <b>3</b><br>0614 7.90<br>1253 5.49<br>FR 1917 8.30                | <b>11</b><br>0112 11.37<br>0730 2.00<br>SA 1318 11.86<br>1957 1.40 | <b>19</b><br>0255 4.83<br>0919 8.80<br>SU 1540 4.34<br>2139 8.88   | <b>27</b><br>0132 10.67<br>0749 2.74<br>MO 1337 11.16<br>2015 2.11 | <b>3</b><br>0223 3.80<br>0842 9.93<br>MO 1515 3.11<br>2118 9.65   | <b>11</b><br>0217 10.51<br>0827 2.91<br>TU 1424 10.74<br>2055 2.58 | <b>19</b><br>0338 4.33<br>0943 9.48<br>WE 1617 3.20<br>2221 9.26   | <b>27</b><br>0246 10.54<br>0907 2.77<br>TH 1458 10.82<br>2135 2.31 |      |   |      |   |      |   |
| <b>4</b><br>0203 4.64<br>0836 8.70<br>SA 1500 4.44<br>2105 9.25   | <b>12</b><br>0147 11.03<br>0801 2.35<br>SU 1353 11.38<br>2028 1.98 | <b>20</b><br>0353 4.19<br>0959 9.58<br>MO 1624 3.44<br>2221 9.58   | <b>28</b><br>0205 10.36<br>0820 3.07<br>TU 1410 10.79<br>2049 2.58 | <b>4</b><br>0334 3.38<br>0940 10.59<br>TU 1616 2.35<br>2213 10.14 | <b>12</b><br>0255 10.15<br>0902 3.33<br>WE 1503 10.22<br>2128 3.09 | <b>20</b><br>0434 3.78<br>1030 10.09<br>TH 1704 2.55<br>2304 9.80  | <b>28</b><br>0330 10.39<br>0952 2.97<br>FR 1545 10.35<br>2218 2.68 |      |   |      |   |      |   |
| <b>5</b><br>0331 3.63<br>0938 9.99<br>SU 1606 3.07<br>2202 10.31  | <b>13</b><br>0222 10.54<br>0832 2.88<br>MO 1429 10.72<br>2059 2.70 | <b>21</b><br>0435 3.55<br>1033 10.30<br>TU 1701 2.63<br>2257 10.19 | <b>29</b><br>0241 9.97<br>0855 3.50<br>WE 1451 10.30<br>2130 3.11  | <b>5</b><br>0431 2.99<br>1028 11.08<br>WE 1707 1.81<br>2301 10.49 | <b>13</b><br>0333 9.69<br>0940 3.84<br>TH 1543 9.61<br>2204 3.63   | <b>21</b><br>0518 3.30<br>1110 10.59<br>FR 1746 2.09<br>2342 10.20 | <b>29</b><br>0418 10.16<br>1045 3.23<br>SA 1639 9.78<br>2307 3.15  |      |   |      |   |      |   |
| <b>6</b><br>0425 2.67<br>1023 11.11<br>MO 1654 1.92<br>2247 11.10 | <b>14</b><br>0300 9.89<br>0904 3.60<br>TU 1509 9.92<br>2133 3.53   | <b>22</b><br>0513 3.01<br>1105 10.86<br>WE 1736 1.99<br>2331 10.62 | <b>30</b><br>0327 9.53<br>0943 3.99<br>TH 1544 9.69<br>2224 3.65   | <b>6</b><br>0519 2.71<br>1110 11.37<br>TH 1752 1.53<br>2343 10.70 | <b>14</b><br>0413 9.22<br>1024 4.35<br>FR 1627 8.98<br>2246 4.15   | <b>22</b><br>0558 2.95<br>1146 10.96<br>SA 1824 1.83               | <b>30</b><br>0514 9.87<br>1146 3.50<br>SU 1744 9.18                |      |   |      |   |      |   |
| <b>7</b><br>0510 2.02<br>1101 11.85<br>TU 1737 1.17<br>2326 11.52 | <b>15</b><br>0343 9.13<br>0943 4.43<br>WE 1557 9.04<br>2218 4.39   | <b>23</b><br>0547 2.63<br>1135 11.25<br>TH 1810 1.59               | <b>31</b><br>0430 9.13<br>1053 4.41<br>FR 1700 9.12<br>2336 4.03   | <b>7</b><br>0602 2.55<br>1151 11.49<br>FR 1833 1.47               | <b>15</b><br>0500 8.80<br>1121 4.74<br>SA 1723 8.42<br>2341 4.59   | <b>23</b><br>0017 10.45<br>0634 2.73<br>SU 1221 11.20<br>1901 1.73 |  |      |   |      |   |      |   |
| <b>8</b><br>0549 1.71<br>1137 12.23<br>WE 1817 0.80               | <b>16</b><br>0439 8.39<br>1042 5.26<br>TH 1706 8.25<br>2333 5.09   | <b>24</b><br>0002 10.88<br>0620 2.42<br>FR 1205 11.46<br>1843 1.43 |  | <b>8</b><br>0024 10.81<br>0640 2.47<br>SA 1230 11.49<br>1911 1.57 | <b>16</b><br>0600 8.51<br>1236 4.86<br>SU 1839 8.06                | <b>24</b><br>0052 10.59<br>0710 2.62<br>MO 1257 11.32<br>1938 1.75 |  |      |   |      |   |      |   |

### JULY

### AUGUST

| Time  | m  | Time   | m  | Time  | m  | Time   | m  | Time | m | Time | m | Time | m |
|---|--|--|--|---|--|--|--|------|---|------|---|------|---|
| <b>1</b><br>0003 3.67<br>0619 9.59<br>MO 1259 3.66<br>1902 8.72   | <b>9</b><br>0132 10.77<br>0749 2.44<br>TU 1339 11.22<br>2014 1.90  | <b>17</b><br>0027 4.94<br>0659 8.37<br>WE 1401 4.52<br>2014 7.69   | <b>25</b><br>0158 11.41<br>0824 1.62<br>TH 1409 11.78<br>2047 1.13 | <b>1</b><br>0200 5.14<br>0829 8.36<br>TH 1535 4.07<br>2157 8.00   | <b>9</b><br>0208 11.19<br>0830 1.88<br>FR 1415 11.14<br>2041 1.74  | <b>17</b><br>0354 5.14<br>0959 8.58<br>SA 1637 3.64<br>2247 8.65   | <b>25</b><br>0243 11.91<br>0915 1.13<br>SU 1458 11.06<br>2121 1.70 |      |   |      |   |      |   |
| <b>2</b><br>0113 4.10<br>0735 9.43<br>TU 1424 3.56<br>2030 8.63   | <b>10</b><br>0206 10.76<br>0821 2.50<br>WE 1412 11.03<br>2042 2.10 | <b>18</b><br>0232 5.10<br>0848 8.52<br>TH 1538 3.98<br>2152 8.24   | <b>26</b><br>0235 11.47<br>0902 1.61<br>FR 1447 11.45<br>2121 1.41 | <b>2</b><br>0404 4.69<br>1016 9.03<br>FR 1655 3.23<br>2304 8.98   | <b>10</b><br>0232 11.09<br>0854 2.00<br>SA 1439 10.79<br>2102 2.02 | <b>18</b><br>0458 4.01<br>1051 9.80<br>SU 1726 2.52<br>2325 9.78   | <b>26</b><br>0312 11.28<br>0945 1.87<br>MO 1528 10.14<br>2145 2.60 |      |   |      |   |      |   |
| <b>3</b><br>0242 4.23<br>0858 9.56<br>WE 1544 3.16<br>2149 8.95   | <b>11</b><br>0236 10.62<br>0851 2.68<br>TH 1442 10.70<br>2109 2.38 | <b>19</b><br>0404 4.55<br>1005 9.20<br>FR 1642 3.21<br>2249 9.01   | <b>27</b><br>0312 11.32<br>0940 1.83<br>SA 1525 10.89<br>2154 1.93 | <b>3</b><br>0515 3.78<br>1112 9.93<br>SA 1747 2.41<br>2347 9.84   | <b>11</b><br>0253 10.86<br>0917 2.24<br>SU 1503 10.33<br>2122 2.44 | <b>19</b><br>0542 2.92<br>1132 10.88<br>MO 1807 1.58               | <b>27</b><br>0340 10.40<br>1014 2.86<br>TU 1602 9.04<br>2209 3.68  |      |   |      |   |      |   |
| <b>4</b><br>0402 3.97<br>1007 9.94<br>TH 1649 2.65<br>2251 9.46   | <b>12</b><br>0305 10.40<br>0921 2.93<br>FR 1512 10.26<br>2135 2.73 | <b>20</b><br>0501 3.84<br>1056 10.00<br>SA 1732 2.49<br>2332 9.72  | <b>28</b><br>0348 10.94<br>1018 2.30<br>SU 1604 10.11<br>2227 2.66 | <b>4</b><br>0602 2.98<br>1152 10.67<br>SU 1828 1.84               | <b>12</b><br>0317 10.48<br>0942 2.65<br>MO 1528 9.71<br>2143 3.03  | <b>20</b><br>0000 10.74<br>0622 2.00<br>TU 1208 11.71<br>1845 0.90 | <b>28</b><br>0415 9.28<br>1054 4.04<br>WE 1653 7.79<br>2246 4.93   |      |   |      |   |      |   |
| <b>5</b><br>0504 3.52<br>1102 10.41<br>FR 1743 2.20<br>2340 9.97  | <b>13</b><br>0333 10.09<br>0951 3.25<br>SA 1542 9.73<br>2202 3.16  | <b>21</b><br>0547 3.17<br>1138 10.71<br>SU 1816 1.91               | <b>29</b><br>0427 10.33<br>1059 2.98<br>MO 1650 9.18<br>2304 3.55  | <b>5</b><br>0020 10.46<br>0639 2.42<br>MO 1225 11.15<br>1902 1.55 | <b>13</b><br>0342 9.92<br>1011 3.25<br>TU 1559 8.92<br>2207 3.80   | <b>21</b><br>0033 11.51<br>0659 1.27<br>WE 1243 12.22<br>1921 0.48 | <b>29</b><br>0524 8.01<br>1246 5.14<br>TH 1902 6.82                |      |   |      |   |      |   |
| <b>6</b><br>0554 3.07<br>1148 10.81<br>SA 1828 1.91               | <b>14</b><br>0403 9.73<br>1025 3.62<br>SU 1617 9.12<br>2233 3.69   | <b>22</b><br>0009 10.32<br>0628 2.62<br>MO 1216 11.29<br>1856 1.48 | <b>30</b><br>0514 9.54<br>1155 3.77<br>TU 1755 8.20                | <b>6</b><br>0050 10.86<br>0711 2.10<br>TU 1254 11.40<br>1930 1.46 | <b>14</b><br>0415 9.14<br>1051 4.06<br>WE 1643 7.96<br>2244 4.77   | <b>22</b><br>0106 12.03<br>0736 0.78<br>TH 1318 12.39<br>1954 0.36 | <b>30</b><br>0211 5.86<br>0906 7.58<br>FR 1603 4.54<br>2232 7.91   |      |   |      |   |      |   |
| <b>7</b><br>0021 10.37<br>0637 2.72<br>SU 1228 11.10<br>1908 1.78 | <b>15</b><br>0439 9.28<br>1110 4.05<br>MO 1705 8.45<br>2316 4.32   | <b>23</b><br>0045 10.81<br>0707 2.16<br>TU 1254 11.68<br>1935 1.20 | <b>31</b><br>0000 4.52<br>0626 8.71<br>WE 1335 4.35<br>1939 7.56   | <b>7</b><br>0116 11.08<br>0739 1.93<br>WE 1323 11.46<br>1956 1.48 | <b>15</b><br>0512 8.20<br>1214 4.90<br>TH 1838 7.07                | <b>23</b><br>0139 12.28<br>0811 0.57<br>FR 1353 12.23<br>2026 0.54 | <b>31</b><br>0435 4.72<br>1033 8.83<br>SA 1703 3.29<br>2311 9.19   |      |   |      |   |      |   |
| <b>8</b><br>0058 10.64<br>0715 2.51<br>MO 1304 11.24<br>1942 1.78 | <b>16</b><br>0534 8.75<br>1215 4.45<br>TU 1822 7.84                | <b>24</b><br>0122 11.18<br>0746 1.82<br>WE 1331 11.85<br>2011 1.07 |  | <b>8</b><br>0142 11.18<br>0805 1.87<br>TH 1349 11.36<br>2018 1.57 | <b>16</b><br>0039 5.70<br>0742 7.71<br>FR 1513 4.73<br>2147 7.48   | <b>24</b><br>0212 12.24<br>0844 0.69<br>SA 1426 11.77<br>2055 1.00 |  |      |   |      |   |      |   |

# SHALE ISLAND – WESTERN AUSTRALIA

LAT 16° 23' S    LONG 124° 20' E

# 2024

TIMES AND HEIGHTS OF HIGH AND LOW WATERS

LOCAL TIME

## SEPTEMBER

## OCTOBER

| Time | m          | Time | m          | Time | m          | Time | m          |
|------|------------|------|------------|------|------------|------|------------|
| 1    | 0521 3.48  | 9    | 0219 11.32 | 17   | 0528 2.37  | 25   | 0306 10.21 |
|      | 1113 9.98  |      | 0848 1.63  |      | 1116 11.19 |      | 0940 3.04  |
| SU   | 1742 2.29  | MO   | 1432 10.61 | TU   | 1748 1.27  | WE   | 1531 8.88  |
|      | 2341 10.17 |      | 2048 2.22  |      | 2339 11.42 | ☾    | 2133 4.00  |
| 2    | 0556 2.55  | 10   | 0239 10.86 | 18   | 0605 1.25  | 26   | 0337 8.96  |
|      | 1144 10.81 |      | 0908 2.14  |      | 1151 12.05 |      | 1015 4.33  |
| MO   | 1814 1.67  | TU   | 1453 9.99  | WE   | 1824 0.56  | TH   | 1619 7.61  |
|      |            |      | 2103 2.85  | ☉    |            | TH   | 2205 5.31  |
| 3    | 0006 10.83 | 11   | 0300 10.23 | 19   | 0010 12.24 | 27   | 0451 7.58  |
|      | 0627 1.95  |      | 0928 2.86  |      | 0642 0.47  |      | 1228 5.54  |
| TU   | 1210 11.29 | WE   | 1517 9.20  | TH   | 1226 12.48 | FR   | 2101 6.82  |
| ●    | 1842 1.36  | ☉    | 2119 3.63  | ○    | 1857 0.24  |      |            |
| 4    | 0029 11.23 | 12   | 0325 9.39  | 20   | 0042 12.69 | 28   | 0314 5.90  |
|      | 0654 1.60  |      | 0956 3.81  |      | 0716 0.06  |      | 0920 7.53  |
| WE   | 1236 11.53 | TH   | 1547 8.18  | FR   | 1258 12.52 | SA   | 1602 4.64  |
|      | 1906 1.26  |      | 2139 4.62  |      | 1929 0.28  |      | 2223 8.21  |
| 5    | 0051 11.47 | 13   | 0400 8.30  | 21   | 0113 12.78 | 29   | 0428 4.50  |
|      | 0718 1.39  |      | 1053 4.97  |      | 0749 0.03  |      | 1021 8.84  |
| TH   | 1259 11.60 | FR   | 1651 6.96  | SA   | 1330 12.23 | SU   | 1645 3.43  |
|      | 1928 1.24  |      | 2222 5.86  |      | 1958 0.61  |      | 2251 9.44  |
| 6    | 0113 11.63 | 14   | 0656 7.29  | 22   | 0143 12.55 | 30   | 0503 3.29  |
|      | 0742 1.25  |      | 1504 5.16  |      | 0820 0.36  |      | 1054 9.93  |
| FR   | 1324 11.56 | SA   | 2152 7.35  | SU   | 1401 11.69 | MO   | 1717 2.50  |
|      | 1949 1.29  |      |            |      | 2026 1.17  |      | 2316 10.38 |
| 7    | 0136 11.69 | 15   | 0357 5.28  | 23   | 0212 12.03 |      |            |
|      | 0805 1.21  |      | 0952 8.44  |      | 0848 1.01  |      |            |
| SA   | 1348 11.38 | SU   | 1627 3.73  | MO   | 1432 10.94 |      |            |
|      | 2011 1.44  |      | 2234 8.86  |      | 2050 1.93  |      |            |
| 8    | 0158 11.59 | 16   | 0448 3.76  | 24   | 0239 11.24 |      |            |
|      | 0827 1.32  |      | 1039 9.94  |      | 0914 1.92  |      |            |
| SU   | 1411 11.07 | MO   | 1710 2.36  | TU   | 1500 10.00 |      |            |
|      | 2031 1.74  |      | 2307 10.27 |      | 2112 2.88  |      |            |

| Time | m          | Time | m          | Time | m          | Time | m          |
|------|------------|------|------------|------|------------|------|------------|
| 1    | 0534 2.37  | 9    | 0210 10.89 | 17   | 0539 0.88  | 25   | 0335 8.81  |
|      | 1121 10.70 |      | 0843 2.12  |      | 1127 11.91 |      | 1007 4.42  |
| TU   | 1746 1.92  | WE   | 1429 10.00 | TH   | 1754 0.89  | FR   | 1630 7.86  |
|      | 2338 11.01 |      | 2037 3.06  | ☉    | 2341 12.50 |      | 2221 5.44  |
| 2    | 0601 1.75  | 10   | 0232 10.25 | 18   | 0617 0.22  | 26   | 0504 7.69  |
|      | 1146 11.17 |      | 0902 2.88  |      | 1202 12.21 |      | 1205 5.35  |
| WE   | 1811 1.61  | TH   | 1452 9.26  | FR   | 1828 0.71  | SA   | 1900 7.28  |
|      | 2359 11.42 |      | 2052 3.79  |      |            |      |            |
| 3    | 0627 1.34  | 11   | 0256 9.43  | 19   | 0014 12.78 | 27   | 0159 5.76  |
|      | 1210 11.43 |      | 0930 3.83  |      | 0652 0.00  |      | 0816 7.56  |
| TH   | 1835 1.44  | FR   | 1523 8.30  | SA   | 1236 12.16 | SU   | 1454 4.98  |
| ●    |            | ☉    | 2117 4.75  | ○    | 1902 0.83  |      | 2126 8.19  |
| 4    | 0021 11.71 | 12   | 0336 8.35  | 20   | 0045 12.72 | 28   | 0343 4.71  |
|      | 0651 1.06  |      | 1032 4.96  |      | 0725 0.15  |      | 0935 8.50  |
| FR   | 1235 11.54 | SA   | 1646 7.17  | SU   | 1309 11.86 | MO   | 1559 4.08  |
|      | 1858 1.38  |      | 2241 5.96  |      | 1932 1.17  |      | 2206 9.22  |
| 5    | 0043 11.88 | 13   | 0640 7.42  | 21   | 0116 12.38 | 29   | 0425 3.62  |
|      | 0715 0.89  |      | 1411 5.15  |      | 0756 0.60  |      | 1015 9.41  |
| SA   | 1300 11.53 | SU   | 2103 7.69  | MO   | 1341 11.38 | TU   | 1635 3.30  |
|      | 1921 1.40  |      |            |      | 2000 1.67  |      | 2235 10.08 |
| 6    | 0106 11.90 | 14   | 0322 5.07  | 22   | 0147 11.80 | 30   | 0457 2.71  |
|      | 0739 0.89  |      | 0919 8.57  |      | 0825 1.30  |      | 1047 10.14 |
| SU   | 1325 11.37 | MO   | 1549 3.78  | TU   | 1413 10.72 | WE   | 1706 2.70  |
|      | 1944 1.58  |      | 2157 9.27  |      | 2027 2.35  |      | 2301 10.74 |
| 7    | 0129 11.74 | 15   | 0418 3.43  | 23   | 0218 11.00 | 31   | 0526 2.00  |
|      | 0802 1.10  |      | 1010 10.02 |      | 0854 2.21  |      | 1116 10.67 |
| MO   | 1347 11.05 | TU   | 1636 2.45  | WE   | 1447 9.88  | TH   | 1734 2.28  |
|      | 2006 1.94  |      | 2234 10.71 |      | 2055 3.24  |      | 2325 11.23 |
| 8    | 0151 11.39 | 16   | 0500 1.97  | 24   | 0252 9.97  |      |            |
|      | 0823 1.52  |      | 1051 11.19 |      | 0925 3.27  |      |            |
| TU   | 1409 10.59 | WE   | 1716 1.46  | TH   | 1526 8.89  |      |            |
|      | 2023 2.45  |      | 2308 11.82 | ☉    | 2127 4.29  |      |            |

## NOVEMBER

## DECEMBER

| Time | m          | Time | m          | Time | m          | Time | m          |
|------|------------|------|------------|------|------------|------|------------|
| 1    | 0554 1.46  | 9    | 0257 9.50  | 17   | 0629 0.55  | 25   | 0011 5.32  |
|      | 1143 11.02 |      | 0938 3.78  |      | 1217 11.45 |      | 0611 7.86  |
| FR   | 1802 2.00  | SA   | 1536 8.60  | SU   | 1837 1.69  | MO   | 1243 4.99  |
| ●    | 2350 11.56 | ☉    | 2144 4.77  |      | 1924 8.08  |      |            |
| 2    | 0622 1.11  | 10   | 0357 8.60  | 18   | 0024 12.19 | 26   | 0158 5.08  |
|      | 1212 11.21 |      | 1053 4.55  |      | 0705 0.73  |      | 0808 7.94  |
| SA   | 1829 1.86  | SU   | 1717 7.99  | MO   | 1253 11.30 | TU   | 1415 4.85  |
|      |            |      | 2349 5.36  |      | 1911 1.87  |      | 2050 8.60  |
| 3    | 0015 11.74 | 11   | 0614 8.06  | 19   | 0059 11.92 | 27   | 0317 4.35  |
|      | 0650 0.95  |      | 1259 4.67  |      | 0739 1.12  |      | 0917 8.51  |
| SU   | 1238 11.24 | MO   | 1937 8.34  | TU   | 1330 11.02 | WE   | 1526 4.36  |
|      | 1857 1.86  |      |            |      | 1944 2.18  |      | 2140 9.30  |
| 4    | 0040 11.74 | 12   | 0213 4.64  | 20   | 0135 11.48 | 28   | 0406 3.48  |
|      | 0716 1.02  |      | 0822 8.69  |      | 0813 1.68  |      | 1004 9.18  |
| MO   | 1304 11.11 | TU   | 1443 3.92  | WE   | 1407 10.61 | TH   | 1616 3.78  |
|      | 1922 2.03  |      | 2102 9.52  |      | 2017 2.65  |      | 2218 9.98  |
| 5    | 0106 11.57 | 13   | 0330 3.30  | 21   | 0213 10.86 | 29   | 0446 2.67  |
|      | 0741 1.30  |      | 0929 9.74  |      | 0847 2.37  |      | 1044 9.80  |
| TU   | 1330 10.83 | WE   | 1549 2.98  | TH   | 1447 10.04 | FR   | 1656 3.24  |
|      | 1946 2.36  |      | 2152 10.68 |      | 2053 3.30  |      | 2251 10.56 |
| 6    | 0130 11.24 | 14   | 0423 2.05  | 22   | 0254 10.09 | 30   | 0522 2.03  |
|      | 0806 1.75  |      | 1018 10.62 |      | 0924 3.16  |      | 1119 10.29 |
| WE   | 1354 10.43 | TH   | 1639 2.25  | FR   | 1531 9.37  | SA   | 1732 2.81  |
|      | 2008 2.80  |      | 2234 11.56 |      | 2134 4.08  |      | 2323 10.99 |
| 7    | 0155 10.79 | 15   | 0509 1.15  | 23   | 0342 9.23  |      |            |
|      | 0830 2.33  |      | 1101 11.19 |      | 1009 3.96  |      |            |
| TH   | 1419 9.93  | FR   | 1722 1.82  | SA   | 1624 8.68  |      |            |
|      | 2029 3.33  |      | 2312 12.07 | ☉    | 2232 4.87  |      |            |
| 8    | 0222 10.23 | 16   | 0551 0.67  | 24   | 0444 8.41  |      |            |
|      | 0858 3.00  |      | 1140 11.44 |      | 1114 4.66  |      |            |
| FR   | 1449 9.33  | SA   | 1801 1.66  | SU   | 1734 8.15  |      |            |
|      | 2055 3.97  | ☉    | 2348 12.25 |      |            |      |            |

| Time | m          | Time | m          | Time | m          | Time | m          |
|------|------------|------|------------|------|------------|------|------------|
| 1    | 0555 1.60  | 9    | 0412 9.40  | 17   | 0015 11.54 | 25   | 0553 8.04  |
|      | 1151 10.60 |      | 1050 3.61  |      | 0657 1.35  |      | 1205 4.77  |
| SU   | 1805 2.55  | MO   | 1700 9.25  | TU   | 1248 10.85 | WE   | 1828 8.43  |
| ●    | 2353 11.26 |      | 2329 4.22  |      | 1905 2.34  |      |            |
| 2    | 0628 1.41  | 10   | 0534 8.88  | 18   | 0055 11.55 | 26   | 0120 4.81  |
|      | 1221 10.75 |      | 1202 3.94  |      | 0735 1.48  |      | 0728 7.73  |
| MO   | 1837 2.44  | TU   | 1821 9.20  | WE   | 1328 10.90 | TH   | 1331 5.08  |
|      |            |      |            |      | 1942 2.37  |      | 2006 8.43  |
| 3    | 0022 11.37 | 11   | 0102 4.07  | 19   | 0134 11.41 | 27   | 0257 4.40  |
|      | 0658 1.43  |      | 0709 8.73  |      | 0811 1.74  |      | 0909 8.04  |
| TU   | 1250 10.75 | WE   | 1325 4.02  | TH   | 1406 10.80 | FR   | 1514 4.87  |
|      | 1906 2.47  |      | 1949 9.50  |      | 2019 2.54  |      | 2128 8.91  |
| 4    | 0052 11.34 | 12   | 0232 3.49  | 20   | 0212 11.11 | 28   | 0405 3.66  |
|      | 0728 1.61  |      | 0837 9.04  |      | 0846 2.10  |      | 1013 8.68  |
| WE   | 1320 10.64 | TH   | 1449 3.80  | FR   | 1443 10.56 | SA   | 1621 4.31  |
|      | 1935 2.62  |      | 2103 10.06 |      | 2055 2.88  |      | 2222 9.57  |
| 5    | 0122 11.19 | 13   | 0344 2.71  | 21   | 0249 10.64 | 29   | 0455 2.92  |
|      | 0758 1.90  |      | 0945 9.55  |      | 0919 2.57  |      | 1101 9.34  |
| TH   | 1350 10.45 | FR   | 1559 3.40  | SA   | 1519 10.19 | SU   | 1710 3.71  |
|      | 2004 2.86  |      | 2201 10.63 |      | 2131 3.33  |      | 2304 10.20 |
| 6    | 0154 10.92 | 14   | 0442 2.03  | 22   | 0326 10.04 | 30   | 0536 2.34  |
|      | 0831 2.26  |      | 1039 10.05 |      | 0952 3.09  |      | 1139 9.88  |
| FR   | 1424 10.19 | SA   | 1655 3.00  | SU   | 1556 9.73  | MO   | 1750 3.21  |
|      | 2037 3.17  |      | 2250 11.09 |      | 2209 3.84  |      | 2341 10.72 |
| 7    | 0229 10.54 | 15   | 0532 1.58  | 23   | 0404 9.36  | 31   | 0614 1.94  |
|      | 0907 2.68  |      | 1126 10.43 |      | 1026 3.66  |      | 1212 10.29 |
| SA   | 1503 9.87  | SU   | 1743 2.67  | MO   | 1635 9.25  | TU   | 1826 2.85  |
|      | 2118 3.56  | ☉    | 2334 11.39 | ☉    | 2254 4.34  | ●    |            |
| 8    | 0313 10.02 | 16   | 0616 1.36  | 24   | 0450 8.66  |      |            |
|      | 0952 3.14  |      | 1209 10.70 |      | 1108 4.24  |      |            |
| SU   | 1553 9.53  | MO   | 1826 2.45  | TU   | 1722 8.79  |      |            |
| ●    | 2213 3.96  |      |            |      | 2355 4.72  |      |            |

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Datum of Predictions is Lowest Astronomical Tide

Caution: Predictions are of secondary quality

Times are in local standard time (Time Zone UTC +08:00)

Moon Phase Symbols   ● New Moon   ● First Quarter   ○ Full Moon   ● Last Quarter

# MONKEY MIA – WESTERN AUSTRALIA

# 2024

LAT 25° 48' S LONG 113° 43' E

TIMES AND HEIGHTS OF HIGH AND LOW WATERS

LOCAL TIME

## JANUARY

## FEBRUARY

| Time | m   | Time | m   | Time | m   | Time | m   |  |  |
|------|---|------|---|------|---|------|---|--|--|
| 1    | 0315 1.67<br>1003 0.45<br>MO 1652 1.59<br>2213 1.03 | 9    | 0527 0.39<br>1249 1.21<br>TU 1542 1.17<br>2211 1.73 | 17   | 0434 1.66<br>1045 0.54<br>WE 1728 1.83<br>2345 0.84 | 25   | 0713 0.36<br>1411 1.45<br>TH 1827 1.17                |  |  |
| 2    | 0348 1.59<br>1027 0.53<br>TU 1722 1.60<br>2300 1.01 | 10   | 0617 0.26<br>1326 1.29<br>WE 1708 1.16<br>2316 1.79 | 18   | 0528 1.49<br>1114 0.72<br>TH 1806 1.86<br>☉         | 26   | 0037 1.81<br>0748 0.34<br>FR 1434 1.52<br>○ 1915 1.10 |  |  |
| 3    | 0424 1.49<br>1049 0.62<br>WE 1751 1.61<br>2352 0.98 | 11   | 0703 0.16<br>1359 1.36<br>TH 1811 1.12<br>●         | 19   | 0051 0.81<br>0631 1.33<br>FR 1139 0.89<br>1846 1.87 | 27   | 0123 1.81<br>0819 0.35<br>SA 1458 1.58<br>1959 1.03   |  |  |
| 4    | 0509 1.38<br>1112 0.72<br>TH 1821 1.61<br>☉         | 12   | 0018 1.85<br>0747 0.11<br>FR 1432 1.44<br>1906 1.06 | 20   | 0208 0.76<br>0754 1.19<br>SA 1158 1.03<br>1930 1.86 | 28   | 0203 1.79<br>0847 0.39<br>SU 1524 1.65<br>2041 0.98   |  |  |
| 5    | 0050 0.91<br>0609 1.26<br>FR 1137 0.82<br>1854 1.61 | 13   | 0115 1.90<br>0827 0.10<br>SA 1505 1.52<br>2000 1.01 | 21   | 0338 0.68<br>2021 1.83<br>SU                        | 29   | 0237 1.76<br>0911 0.44<br>MO 1548 1.70<br>2121 0.94   |  |  |
| 6    | 0201 0.82<br>0730 1.15<br>SA 1204 0.93<br>1933 1.62 | 14   | 0206 1.91<br>0905 0.15<br>SU 1540 1.61<br>2054 0.96 | 22   | 0452 0.58<br>2123 1.81<br>MO                        | 30   | 0309 1.71<br>0933 0.51<br>TU 1610 1.73<br>2158 0.90   |  |  |
| 7    | 0319 0.69<br>0922 1.10<br>SU 1238 1.03<br>2017 1.65 | 15   | 0256 1.88<br>0941 0.24<br>MO 1615 1.70<br>2148 0.91 | 23   | 0548 0.48<br>1347 1.33<br>TU 1614 1.29<br>2235 1.79 | 31   | 0340 1.65<br>0953 0.59<br>WE 1630 1.76<br>2236 0.87   |  |  |
| 8    | 0430 0.54<br>1142 1.14<br>MO 1339 1.12<br>2109 1.68 | 16   | 0344 1.79<br>1014 0.38<br>TU 1651 1.78<br>2245 0.87 | 24   | 0634 0.40<br>1354 1.39<br>WE 1732 1.24<br>2341 1.80 |      |   |  |  |

| Time | m   | Time | m   | Time | m   | Time | m   |  |  |
|------|---|------|---|------|---|------|---|--|--|
| 1    | 0412 1.57<br>1012 0.67<br>TH 1649 1.77<br>2315 0.83   | 9    | 0651 0.29<br>1342 1.43<br>FR 1808 1.13                | 17   | 0017 0.75<br>0609 1.38<br>SA 1051 1.03<br>1752 1.99   | 25   | 0118 1.81<br>0754 0.52<br>SU 1424 1.71<br>1951 0.96 |  |  |
| 2    | 0450 1.47<br>1031 0.77<br>FR 1710 1.77                | 10   | 0020 1.89<br>0731 0.24<br>SA 1408 1.56<br>● 1907 1.02 | 18   | 0122 0.80<br>0723 1.24<br>SU 1049 1.14<br>1834 1.92   | 26   | 0155 1.82<br>0817 0.55<br>MO 1445 1.78<br>2028 0.88 |  |  |
| 3    | 0000 0.80<br>0537 1.35<br>SA 1050 0.87<br>● 1737 1.78 | 11   | 0118 1.95<br>0808 0.25<br>SU 1437 1.70<br>2001 0.90   | 19   | 0300 0.82<br>1930 1.83<br>MO                          | 27   | 0228 1.80<br>0840 0.60<br>TU 1504 1.84<br>2102 0.82 |  |  |
| 4    | 0054 0.76<br>0640 1.23<br>SU 1107 0.97<br>1815 1.77   | 12   | 0209 1.96<br>0842 0.30<br>MO 1507 1.83<br>2053 0.81   | 20   | 0443 0.76<br>2050 1.76<br>TU                          | 28   | 0259 1.77<br>0859 0.67<br>WE 1522 1.88<br>2135 0.77 |  |  |
| 5    | 0209 0.72<br>0817 1.12<br>MO 1118 1.06<br>1906 1.76   | 13   | 0257 1.92<br>0914 0.41<br>TU 1539 1.94<br>2144 0.74   | 21   | 0543 0.68<br>1351 1.43<br>WE 1620 1.39<br>2228 1.74   | 29   | 0328 1.73<br>0918 0.75<br>TH 2208 0.74              |  |  |
| 6    | 0348 0.64<br>2015 1.75<br>TU                          | 14   | 0342 1.83<br>0944 0.56<br>WE 1611 2.02<br>2233 0.71   | 22   | 0625 0.60<br>1335 1.49<br>TH 1738 1.29<br>2342 1.76   |      |   |  |  |
| 7    | 0508 0.51<br>2140 1.77<br>WE                          | 15   | 0428 1.70<br>1010 0.72<br>TH 1644 2.05<br>2323 0.72   | 23   | 0658 0.55<br>1345 1.56<br>FR 1828 1.17                |      |   |  |  |
| 8    | 0605 0.39<br>1323 1.33<br>TH 1652 1.23<br>2310 1.82   | 16   | 0515 1.54<br>1034 0.88<br>FR 1717 2.04<br>●           | 24   | 0035 1.79<br>0727 0.52<br>SA 1403 1.64<br>○ 1912 1.06 |      |   |  |  |

## MARCH

## APRIL

| Time | m   | Time | m   | Time | m   | Time | m   |  |  |
|------|---|------|---|------|---|------|---|--|--|
| 1    | 0359 1.67<br>0937 0.83<br>FR 1555 1.94<br>2243 0.72 | 9    | 0628 0.49<br>1301 1.60<br>SA 1809 1.08                | 17   | 0549 1.47<br>1012 1.19<br>SU 1707 2.05<br>●         | 25   | 0106 1.81<br>0718 0.74<br>MO 1339 1.84<br>○ 1933 0.86 |  |  |
| 2    | 0433 1.58<br>0955 0.91<br>SA 1615 1.95<br>2322 0.73 | 10   | 0021 1.92<br>0704 0.47<br>SU 1328 1.76<br>● 1904 0.90 | 18   | 0041 0.89<br>0659 1.35<br>MO 1008 1.28<br>1746 1.94 | 26   | 0142 1.82<br>0742 0.78<br>TU 1358 1.90<br>2007 0.76   |  |  |
| 3    | 0512 1.46<br>1012 0.99<br>SU 1642 1.94<br>●         | 11   | 0116 1.97<br>0738 0.49<br>MO 1357 1.93<br>1954 0.75   | 19   | 0209 0.97<br>1848 1.81<br>TU                        | 27   | 0215 1.83<br>0804 0.83<br>WE 1416 1.95<br>2039 0.69   |  |  |
| 4    | 0010 0.75<br>0606 1.32<br>MO 1027 1.07<br>1720 1.91 | 12   | 0205 1.97<br>0810 0.57<br>TU 1428 2.07<br>2042 0.64   | 20   | 0418 0.95<br>2029 1.72<br>WE                        | 28   | 0246 1.81<br>0825 0.89<br>TH 1433 2.00<br>2110 0.65   |  |  |
| 5    | 0119 0.78<br>0736 1.20<br>TU 1032 1.14<br>1817 1.86 | 13   | 0251 1.93<br>0840 0.68<br>WE 1459 2.17<br>2127 0.59   | 21   | 0520 0.88<br>1248 1.54<br>TH 1642 1.43<br>2223 1.71 | 29   | 0316 1.78<br>0844 0.96<br>FR 1452 2.04<br>2143 0.64   |  |  |
| 6    | 0309 0.77<br>1943 1.81<br>WE                        | 14   | 0334 1.85<br>0909 0.81<br>TH 1531 2.22<br>2212 0.61   | 22   | 0557 0.81<br>1246 1.61<br>FR 1739 1.28<br>2336 1.74 | 30   | 0347 1.72<br>0904 1.02<br>SA 1512 2.07<br>2217 0.65   |  |  |
| 7    | 0449 0.67<br>2134 1.80<br>TH                        | 15   | 0417 1.74<br>0935 0.94<br>FR 1602 2.21<br>2257 0.67   | 23   | 0627 0.76<br>1259 1.69<br>SA 1821 1.12              | 31   | 0420 1.64<br>0924 1.08<br>SU 1536 2.08<br>2257 0.70   |  |  |
| 8    | 0546 0.56<br>1242 1.45<br>FR 1701 1.25<br>2312 1.85 | 16   | 0500 1.61<br>0958 1.07<br>SA 1633 2.15<br>2344 0.78   | 24   | 0026 1.78<br>0653 0.74<br>SU 1318 1.77<br>1858 0.98 |      |   |  |  |

| Time | m   | Time | m   | Time | m   | Time | m   |  |  |
|------|---|------|---|------|---|------|---|--|--|
| 1    | 0459 1.53<br>0943 1.14<br>MO 1607 2.06<br>2345 0.77 | 9    | 0110 1.92<br>0700 0.79<br>TU 1314 2.12<br>● 1940 0.60 | 17   | 0110 1.05<br>1819 1.78<br>WE                          | 25   | 0201 1.79<br>0726 1.05<br>TH 1328 2.02<br>2016 0.58 |  |  |
| 2    | 0553 1.41<br>1001 1.21<br>TU 1649 2.00<br>●         | 10   | 0157 1.93<br>0733 0.86<br>WE 1347 2.24<br>2025 0.52   | 18   | 0302 1.09<br>1116 1.55<br>TH 1409 1.53<br>2003 1.68   | 26   | 0233 1.78<br>0749 1.09<br>FR 1351 2.07<br>2049 0.55 |  |  |
| 3    | 0050 0.84<br>0729 1.32<br>WE 1014 1.28<br>1754 1.91 | 11   | 0242 1.89<br>0805 0.95<br>TH 1421 2.30<br>2108 0.51   | 19   | 0425 1.05<br>1122 1.63<br>FR 1634 1.39<br>2155 1.65   | 27   | 0305 1.76<br>0813 1.13<br>SA 1416 2.11<br>2124 0.56 |  |  |
| 4    | 0231 0.88<br>1938 1.81<br>TH                        | 12   | 0323 1.83<br>0836 1.05<br>FR 1454 2.30<br>2150 0.57   | 20   | 0508 1.00<br>1140 1.70<br>SA 1723 1.22<br>2313 1.67   | 28   | 0338 1.71<br>0837 1.17<br>SU 1443 2.14<br>2202 0.60 |  |  |
| 5    | 0413 0.83<br>1122 1.49<br>FR 1528 1.37<br>2138 1.79 | 13   | 0405 1.75<br>0904 1.14<br>SA 1527 2.26<br>2233 0.68   | 21   | 0541 0.97<br>1202 1.78<br>SU 1800 1.04                | 29   | 0414 1.64<br>0903 1.21<br>MO 1515 2.13<br>2244 0.67 |  |  |
| 6    | 0510 0.77<br>1144 1.63<br>SA 1706 1.17<br>2310 1.83 | 14   | 0447 1.65<br>0930 1.23<br>SU 1559 2.17<br>2316 0.81   | 22   | 0007 1.71<br>0610 0.96<br>MO 1224 1.84<br>1835 0.88   | 30   | 0459 1.56<br>0930 1.26<br>TU 1553 2.08<br>2332 0.76 |  |  |
| 7    | 0551 0.74<br>1212 1.80<br>SU 1804 0.95              | 15   | 0535 1.56<br>0952 1.32<br>MO 1632 2.05                | 23   | 0050 1.75<br>0637 0.97<br>TU 1246 1.90<br>1909 0.75   |      |   |  |  |
| 8    | 0016 1.89<br>0627 0.75<br>MO 1242 1.97<br>1854 0.75 | 16   | 0005 0.95<br>0642 1.48<br>TU 1007 1.40<br>● 1712 1.91 | 24   | 0127 1.78<br>0701 1.00<br>WE 1307 1.96<br>○ 1942 0.65 |      |   |  |  |

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 Datum of Predictions is Lowest Astronomical Tide Caution: Predictions are of secondary quality  
 Times are in local standard time (Time Zone UTC +08:00)  
 Moon Phase Symbols ● New Moon ○ First Quarter ○ Full Moon ● Last Quarter

# MONKEY MIA – WESTERN AUSTRALIA

# 2024

LAT 25° 48' S LONG 113° 43' E

TIMES AND HEIGHTS OF HIGH AND LOW WATERS

LOCAL TIME

| MAY          |           |              |           | JUNE         |           |              |           |
|--------------|-----------|--------------|-----------|--------------|-----------|--------------|-----------|
| Time         | m         | Time         | m         | Time         | m         | Time         | m         |
| 1            | 0559 1.49 | 9            | 0150 1.80 | 17           | 0115 1.09 | 25           | 0223 1.67 |
| 1006 1.32    |           | 0657 1.09    |           | 0850 1.62    |           | 0717 1.18    |           |
| WE 1643 1.99 |           | TH 1310 2.28 |           | FR 1400 1.43 |           | SA 1320 2.06 |           |
| ☉            |           | 2008 0.46    |           | 1922 1.61    |           | 2034 0.45    |           |
| 2            | 0031 0.85 | 10           | 0233 1.79 | 18           | 0232 1.13 | 26           | 0258 1.66 |
| 0728 1.47    |           | 0733 1.14    |           | 0943 1.67    |           | 0748 1.19    |           |
| TH 1110 1.38 |           | FR 1349 2.29 |           | SA 1552 1.29 |           | SU 1355 2.10 |           |
| 1759 1.86    |           | 2051 0.49    |           | 2101 1.54    |           | 2113 0.47    |           |
| 3            | 0147 0.92 | 11           | 0314 1.76 | 19           | 0347 1.13 | 27           | 0335 1.64 |
| 0904 1.54    |           | 0807 1.19    |           | 1021 1.72    |           | 0822 1.21    |           |
| FR 1326 1.39 |           | SA 1426 2.27 |           | SU 1647 1.11 |           | MO 1433 2.12 |           |
| 1943 1.75    |           | 2133 0.57    |           | 2235 1.54    |           | 2153 0.52    |           |
| 4            | 0313 0.96 | 12           | 0355 1.71 | 20           | 0437 1.13 | 28           | 0415 1.61 |
| 1002 1.66    |           | 0842 1.24    |           | 1052 1.78    |           | 0859 1.23    |           |
| SA 1545 1.25 |           | SU 1503 2.20 |           | MO 1728 0.93 |           | TU 1514 2.09 |           |
| 2134 1.71    |           | 2213 0.68    |           | 2342 1.58    |           | 2235 0.59    |           |
| 5            | 0417 0.96 | 13           | 0436 1.67 | 21           | 0515 1.13 | 29           | 0501 1.59 |
| 1042 1.80    |           | 0916 1.30    |           | 1120 1.83    |           | 0945 1.26    |           |
| SU 1658 1.02 |           | MO 1538 2.10 |           | TU 1806 0.77 |           | WE 1600 2.02 |           |
| 2304 1.73    |           | 2252 0.80    |           |              |           | 2319 0.69    |           |
| 6            | 0504 0.98 | 14           | 0524 1.62 | 22           | 0031 1.62 | 30           | 0557 1.59 |
| 1119 1.96    |           | 0952 1.36    |           | 0548 1.14    |           | 1045 1.29    |           |
| MO 1752 0.79 |           | TU 1615 1.98 |           | WE 1148 1.88 |           | TH 1658 1.90 |           |
|              |           | 2333 0.92    |           | 1842 0.63    |           |              |           |
| 7            | 0010 1.77 | 15           | 0623 1.59 | 23           | 0112 1.66 | 31           | 0006 0.80 |
| 0544 1.01    |           | 1038 1.42    |           | 0618 1.16    |           | 0659 1.62    |           |
| TU 1156 2.10 |           | WE 1657 1.85 |           | TH 1216 1.94 |           | FR 1207 1.29 |           |
| 1839 0.61    |           | ☉            |           | ☉ 1919 0.53  |           | ☉ 1812 1.75  |           |
| 8            | 0103 1.80 | 16           | 0018 1.01 | 24           | 0149 1.67 |              |           |
| 0621 1.04    |           | 0737 1.59    |           | 0647 1.17    |           |              |           |
| WE 1233 2.21 |           | TH 1153 1.46 |           | FR 1247 2.00 |           |              |           |
| ☉            |           | 1758 1.72    |           | 1956 0.47    |           |              |           |

  

| JULY         |           |              |           | AUGUST       |           |              |           |
|--------------|-----------|--------------|-----------|--------------|-----------|--------------|-----------|
| Time         | m         | Time         | m         | Time         | m         | Time         | m         |
| 1            | 0052 1.03 | 9            | 0327 1.60 | 17           | 0038 1.12 | 25           | 0339 1.67 |
| 0750 1.85    |           | 0829 1.06    |           | 0756 1.63    |           | 0918 0.83    |           |
| MO 1505 0.85 |           | TU 1446 1.92 |           | WE 1557 0.74 |           | TH 1527 1.89 |           |
| 2107 1.37    |           | 2131 0.55    |           | 2239 1.23    |           | 2154 0.46    |           |
| 2            | 0144 1.15 | 10           | 0358 1.64 | 18           | 0144 1.19 | 26           | 0414 1.75 |
| 0841 1.89    |           | 0914 1.05    |           | 0853 1.65    |           | 1010 0.79    |           |
| TU 1624 0.72 |           | WE 1522 1.85 |           | TH 1705 0.61 |           | FR 1615 1.78 |           |
| 2300 1.35    |           | 2158 0.62    |           |              |           | 2225 0.59    |           |
| 3            | 0257 1.23 | 11           | 0429 1.66 | 19           | 0007 1.27 | 27           | 0449 1.80 |
| 0937 1.92    |           | 0957 1.04    |           | 0337 1.20    |           | 1104 0.76    |           |
| WE 1725 0.59 |           | TH 1555 1.77 |           | FR 0959 1.69 |           | SA 1704 1.64 |           |
|              |           | 2222 0.70    |           | 1800 0.48    |           | 2255 0.75    |           |
| 4            | 0018 1.40 | 12           | 0459 1.67 | 20           | 0053 1.32 | 28           | 0526 1.83 |
| 0415 1.24    |           | 1040 1.03    |           | 0457 1.16    |           | 1201 0.75    |           |
| TH 1037 1.95 |           | FR 1630 1.67 |           | SA 1107 1.75 |           | SU 1800 1.48 |           |
| 1817 0.49    |           | 2244 0.78    |           | 1847 0.37    |           | ☉ 2323 0.90  |           |
| 5            | 0108 1.44 | 13           | 0528 1.67 | 21           | 0128 1.37 | 29           | 0607 1.83 |
| 0518 1.22    |           | 1126 1.01    |           | 0554 1.10    |           | 1307 0.75    |           |
| FR 1136 1.97 |           | SA 1710 1.56 |           | SU 1209 1.83 |           | MO 1909 1.32 |           |
| 1904 0.44    |           | 2307 0.86    |           | ☉ 1930 0.30  |           | 2350 1.04    |           |
| 6            | 0146 1.48 | 14           | 0557 1.66 | 22           | 0201 1.43 | 30           | 0653 1.81 |
| 0610 1.17    |           | 1217 0.98    |           | 0646 1.02    |           | 1431 0.74    |           |
| SA 1231 1.99 |           | SU 1759 1.45 |           | MO 1304 1.90 |           | TU 2054 1.21 |           |
| ☉            |           | ☉ 2331 0.95  |           | 2010 0.27    |           |              |           |
| 7            | 0221 1.52 | 15           | 0630 1.64 | 23           | 0233 1.50 | 31           | 0016 1.15 |
| 0658 1.13    |           | 1317 0.93    |           | 0736 0.95    |           | 0749 1.78    |           |
| SU 1321 1.99 |           | MO 1905 1.33 |           | TU 1353 1.95 |           | WE 1608 0.68 |           |
| 2025 0.44    |           |              |           | 2046 0.29    |           |              |           |
| 8            | 0254 1.56 | 16           | 0000 1.04 | 24           | 0306 1.59 |              |           |
| 0745 1.09    |           | 0708 1.63    |           | 0827 0.88    |           |              |           |
| MO 1406 1.97 |           | TU 1433 0.85 |           | WE 1441 1.94 |           |              |           |
| 2100 0.49    |           | 2035 1.25    |           | 2121 0.35    |           |              |           |

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 Datum of Predictions is Lowest Astronomical Tide  
 Times are in local standard time (Time Zone UTC +08:00)  
 Moon Phase Symbols ● New Moon ○ First Quarter ○ Full Moon ○ Last Quarter  
 Caution: Predictions are of secondary quality

# MONKEY MIA – WESTERN AUSTRALIA

LAT 25° 48' S LONG 113° 43' E

# 2024

TIMES AND HEIGHTS OF HIGH AND LOW WATERS

LOCAL TIME

## SEPTEMBER

## OCTOBER

| Time  | m  | Time   | m  | Time  | m  | Time   | m  |
|---|--|--|--|---|--|--|--|
| 1 0049 1.35<br>0528 1.06<br>SU 1140 1.60<br>1839 0.52 | 9 0325 1.70<br>1018 0.49<br>MO 1627 1.47<br>2145 0.85  | 17 0019 1.38<br>0548 0.77<br>TU 1205 1.64<br>1837 0.41 | 25 0433 1.77<br>1202 0.60<br>WE 1840 1.24<br>2226 1.12 | 2 0107 1.42<br>0615 0.91<br>MO 1233 1.65<br>1909 0.50 | 10 0343 1.69<br>1053 0.51<br>TU 1703 1.37<br>2205 0.91 | 18 0048 1.53<br>0639 0.58<br>WE 1259 1.71<br>1911 0.42 | 26 0515 1.64<br>1312 0.73<br>TH                        |
| 3 0128 1.49<br>0655 0.78<br>TU 1315 1.68<br>1936 0.50 | 11 0407 1.67<br>1135 0.56<br>WE 1751 1.25<br>2225 0.97 | 19 0118 1.68<br>0726 0.41<br>TH 1348 1.75<br>1944 0.48 | 27 0628 1.50<br>1520 0.78<br>FR 2348 1.27              | 4 0150 1.56<br>0734 0.67<br>WE 1352 1.68<br>2001 0.53 | 12 0441 1.62<br>1232 0.62<br>TH 1906 1.13<br>2244 1.03 | 20 0150 1.81<br>0811 0.29<br>FR 1433 1.73<br>2015 0.57 | 28 0223 1.25<br>0828 1.41<br>SA 1648 0.74<br>2346 1.34 |
| 5 0213 1.62<br>0810 0.59<br>TH 1426 1.67<br>2024 0.58 | 13 0537 1.55<br>1404 0.66<br>FR                        | 21 0222 1.91<br>0856 0.23<br>SA 1516 1.68<br>2046 0.68 | 29 0447 1.10<br>1027 1.41<br>SU 1732 0.69              | 6 0235 1.67<br>0844 0.53<br>FR 1457 1.64<br>2046 0.64 | 14 0716 1.48<br>1606 0.61<br>SA 2329 1.16              | 22 0254 1.96<br>0940 0.25<br>SU 1559 1.59<br>2116 0.80 | 30 0000 1.41<br>0531 0.93<br>MO 1137 1.46<br>1804 0.65 |
| 7 0253 1.69<br>0916 0.49<br>SA 1526 1.61<br>2106 0.71 | 15 0243 1.12<br>0917 1.48<br>SU 1715 0.52<br>2352 1.26 | 23 0327 1.94<br>1025 0.32<br>MO 1644 1.47<br>2144 0.92 |  | 8 0309 1.70<br>0946 0.48<br>SU 1556 1.55<br>2125 0.78 | 16 0447 0.97<br>1056 1.55<br>MO 1759 0.44              | 24 0359 1.88<br>1110 0.45<br>TU 1734 1.35<br>2208 1.03 |  |

|   |  |  |  |   |  |  |  |
|---|--|--|--|---|--|--|--|
| 1 0020 1.48<br>0609 0.75<br>TU 1225 1.51<br>1832 0.63 | 9 0304 1.73<br>1028 0.39<br>WE 1650 1.35<br>2136 0.97  | 17 0000 1.68<br>0628 0.36<br>TH 1253 1.58<br>1830 0.64 | 25 0450 1.56<br>1230 0.72<br>FR 2009 1.30<br>2356 1.23 | 2 0042 1.55<br>0643 0.60<br>WE 1305 1.55<br>1858 0.64 | 10 0332 1.70<br>1111 0.46<br>TH 1739 1.25<br>2202 1.02 | 18 0035 1.82<br>0712 0.19<br>FR 1341 1.62<br>1905 0.70 | 26 0606 1.41<br>1350 0.82<br>SA 2143 1.35              |
| 3 0105 1.61<br>0716 0.47<br>TH 1340 1.57<br>1922 0.67 | 11 0410 1.63<br>1204 0.56<br>FR 1856 1.17<br>2238 1.07 | 19 0109 1.93<br>0757 0.10<br>SA 1426 1.62<br>1940 0.77 | 27 0319 1.18<br>0800 1.30<br>SU 1532 0.85<br>2226 1.41 | 4 0126 1.66<br>0749 0.38<br>FR 1413 1.58<br>1946 0.72 | 12 0510 1.53<br>1322 0.64<br>SA 2054 1.17              | 20 0145 1.99<br>0840 0.09<br>SU 1509 1.58<br>2014 0.85 | 28 0438 1.00<br>0959 1.28<br>MO 1632 0.83<br>2256 1.48 |
| 5 0146 1.69<br>0820 0.32<br>SA 1443 1.57<br>2009 0.77 | 13 0019 1.12<br>0703 1.42<br>SU 1508 0.66<br>2214 1.26 | 21 0221 1.99<br>0923 0.15<br>MO 1552 1.53<br>2048 0.94 | 29 0515 0.82<br>1118 1.32<br>TU 1711 0.82<br>2323 1.55 | 6 0204 1.72<br>0851 0.29<br>SU 1512 1.55<br>2031 0.83 | 14 0318 1.04<br>0911 1.39<br>MO 1625 0.63<br>2253 1.38 | 22 0256 1.94<br>1006 0.27<br>TU 1636 1.45<br>2121 1.02 | 30 0549 0.63<br>1210 1.37<br>WE 1744 0.82<br>2348 1.60 |
| 7 0222 1.73<br>0922 0.30<br>MO 1542 1.51<br>2052 0.88 | 15 0446 0.82<br>1050 1.44<br>TU 1715 0.60<br>2327 1.53 | 23 0331 1.84<br>1049 0.42<br>WE 1726 1.37<br>2154 1.10 | 31 0622 0.47<br>1252 1.42<br>TH 1814 0.83              | 8 0241 1.74<br>0953 0.33<br>TU 1613 1.44<br>2114 0.93 | 16 0540 0.58<br>1158 1.52<br>WE 1754 0.61              | 24 0407 1.71<br>1135 0.58<br>TH 1832 1.31<br>2234 1.18 |  |

## NOVEMBER

## DECEMBER

|   |  |  |  |   |  |  |  |
|---|--|--|--|---|--|--|--|
| 1 0013 1.64<br>0654 0.34<br>FR 1328 1.46<br>1842 0.86 | 9 0407 1.62<br>1145 0.50<br>SA 1845 1.30<br>2320 1.10  | 17 0033 1.98<br>0743 0.04<br>SU 1422 1.50<br>1908 0.95 | 25 0220 1.09<br>0710 1.24<br>MO 1318 0.88<br>2055 1.51 | 2 0036 1.68<br>0726 0.24<br>SA 1401 1.49<br>1908 0.89 | 10 0517 1.48<br>1243 0.61<br>SU 1959 1.34              | 18 0115 2.00<br>0827 0.07<br>MO 1505 1.50<br>1949 0.99 | 26 0352 0.94<br>0855 1.17<br>TU 1432 0.95<br>2136 1.55 |
| 3 0059 1.71<br>0758 0.19<br>SU 1433 1.50<br>1934 0.92 | 11 0114 1.06<br>0702 1.36<br>MO 1355 0.70<br>2059 1.43 | 19 0157 1.97<br>0910 0.15<br>TU 1547 1.49<br>2030 1.03 | 27 0441 0.76<br>1042 1.19<br>WE 1547 0.99<br>2212 1.58 | 4 0122 1.74<br>0831 0.18<br>MO 1503 1.49<br>2000 0.95 | 12 0317 0.90<br>0857 1.30<br>TU 1512 0.77<br>2147 1.55 | 20 0238 1.90<br>0951 0.27<br>WE 1631 1.47<br>2112 1.08 | 28 0519 0.58<br>1153 1.25<br>TH 1641 1.00<br>2244 1.61 |
| 5 0147 1.76<br>0904 0.19<br>TU 1534 1.46<br>2026 0.98 | 13 0432 0.66<br>1039 1.32<br>WE 1614 0.81<br>2230 1.69 | 21 0318 1.79<br>1030 0.41<br>TH 1717 1.45<br>2200 1.13 | 29 0555 0.42<br>1241 1.31<br>FR 1723 1.02<br>2316 1.64 | 6 0214 1.77<br>0939 0.24<br>WE 1608 1.41<br>2054 1.01 | 14 0526 0.42<br>1152 1.38<br>TH 1703 0.85<br>2311 1.81 | 22 0358 1.66<br>1108 0.55<br>FR 1810 1.44<br>2259 1.16 | 30 0630 0.29<br>1320 1.36<br>SA 1759 1.03<br>2347 1.67 |
| 7 0245 1.76<br>1016 0.31<br>TH 1648 1.36<br>2127 1.04 | 15 0613 0.23<br>1249 1.44<br>FR 1747 0.88<br>2352 1.92 | 23 0444 1.51<br>1146 0.68<br>SA 1908 1.45              |  | 8 0321 1.71<br>1058 0.40<br>FR 1739 1.31<br>2210 1.07 | 16 0659 0.10<br>1338 1.48<br>SA 1828 0.92              | 24 0022 1.17<br>0545 1.37<br>SU 1226 0.79<br>2005 1.47 |  |

|   |  |  |  |   |  |  |  |
|---|--|--|--|---|--|--|--|
| 1 0706 0.20<br>1355 1.40<br>SU 1832 1.03              | 9 0530 1.45<br>1203 0.61<br>MO 1905 1.56               | 17 0059 1.94<br>0819 0.13<br>TU 1503 1.47<br>1937 1.06 | 25 0228 0.90<br>0739 1.15<br>WE 1216 0.95<br>2005 1.61 | 2 0019 1.71<br>0742 0.15<br>MO 1427 1.42<br>1904 1.04 | 10 0119 0.92<br>0654 1.30<br>TU 1249 0.75<br>1955 1.64 | 18 0148 1.91<br>0859 0.20<br>WE 1541 1.51<br>2025 1.06 | 26 0342 0.76<br>0933 1.11<br>TH 1254 1.05<br>2044 1.61 |
| 3 0053 1.75<br>0818 0.13<br>TU 1459 1.43<br>1937 1.04 | 11 0254 0.76<br>0837 1.20<br>WE 1344 0.89<br>2044 1.73 | 19 0233 1.85<br>0935 0.30<br>TH 1618 1.54<br>2115 1.06 | 27 0439 0.61<br>1142 1.15<br>FR 1416 1.13<br>2126 1.61 | 4 0129 1.78<br>0854 0.14<br>WE 1532 1.43<br>2013 1.04 | 12 0411 0.56<br>1030 1.19<br>TH 1452 0.99<br>2133 1.81 | 20 0315 1.75<br>1008 0.41<br>FR 1655 1.57<br>2207 1.07 | 28 0527 0.46<br>1245 1.23<br>SA 1608 1.17<br>2213 1.63 |
| 5 0208 1.79<br>0930 0.19<br>TH 1607 1.43<br>2053 1.04 | 13 0511 0.37<br>1157 1.25<br>FR 1603 1.06<br>2224 1.88 | 21 0355 1.64<br>1037 0.52<br>SA 1733 1.60<br>2301 1.07 | 29 0610 0.34<br>1323 1.29<br>SU 1712 1.16<br>2303 1.67 | 6 0248 1.77<br>1007 0.26<br>FR 1645 1.44<br>2140 1.04 | 14 0602 0.22<br>1257 1.32<br>SA 1705 1.08<br>2316 1.92 | 22 0434 1.51<br>1103 0.63<br>SU 1811 1.61              | 30 0651 0.24<br>1354 1.34<br>MO 1800 1.13<br>2353 1.72 |
| 7 0332 1.70<br>1044 0.35<br>SA 1729 1.46<br>2238 1.04 | 15 0650 0.13<br>1343 1.38<br>SU 1758 1.08              | 23 0001 1.04<br>0520 1.38<br>MO 1126 0.74<br>1849 1.62 | 31 0730 0.17<br>1424 1.38<br>TU 1844 1.10              | 8 0424 1.59<br>1122 0.48<br>SU 1816 1.50<br>2351 1.01 | 16 0008 1.95<br>0736 0.11<br>MO 1425 1.43<br>1848 1.07 | 24 0110 0.99<br>0619 1.25<br>TU 1149 0.85<br>1926 1.61 |  |

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Datum of Predictions is Lowest Astronomical Tide

Caution: Predictions are of secondary quality

Times are in local standard time (Time Zone UTC +08:00)

Moon Phase Symbols ● New Moon ○ First Quarter ○ Full Moon ● Last Quarter

# TANTABIDDI – WESTERN AUSTRALIA

LAT 21° 55' S LONG 113° 59' E

# 2024

TIMES AND HEIGHTS OF HIGH AND LOW WATERS

LOCAL TIME

## JANUARY

| Time      | m         | Time      | m         | Time      | m         | Time      | m         |
|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| 1         | 0038 1.55 | 9         | 0310 0.53 | 17        | 0141 1.53 | 25        | 0457 0.43 |
| MO        | 0730 0.43 | TU        | 1024 1.09 | WE        | 0803 0.48 | TH        | 1126 1.26 |
| 1353 1.33 | TU        | 1305 1.04 | WE        | 1433 1.59 | TH        | 1546 0.98 |           |
| 1910 0.86 | TU        | 1956 1.65 | WE        | 2047 0.72 | TH        | 2208 1.67 |           |
| 2         | 0112 1.48 | 10        | 0355 0.42 | 18        | 0229 1.37 | 26        | 0528 0.41 |
| TU        | 0756 0.50 | WE        | 1048 1.15 | TH        | 0831 0.58 | FR        | 1148 1.32 |
| 1426 1.36 | WE        | 1417 1.02 | TH        | 1514 1.62 | FR        | 1631 0.92 |           |
| 1958 0.88 | WE        | 2050 1.73 | TH        | 2150 0.73 | FR        | 2249 1.69 |           |
| 3         | 0148 1.38 | 11        | 0437 0.32 | 19        | 0322 1.20 | 27        | 0554 0.40 |
| WE        | 0821 0.58 | TH        | 1113 1.21 | FR        | 0858 0.69 | SA        | 1210 1.37 |
| 1501 1.38 | TH        | 1516 0.97 | FR        | 1558 1.62 | SA        | 1711 0.87 |           |
| 2051 0.90 | TH        | 2142 1.80 | FR        | 2306 0.74 | SA        | 2326 1.69 |           |
| 4         | 0227 1.28 | 12        | 0516 0.27 | 20        | 0431 1.05 | 28        | 0618 0.42 |
| TH        | 0844 0.67 | FR        | 1140 1.27 | SA        | 0923 0.80 | SU        | 1233 1.42 |
| 1538 1.41 | FR        | 1608 0.91 | SA        | 1651 1.60 | SU        | 1749 0.83 |           |
| 2156 0.90 | FR        | 2231 1.84 | SA        | 1651 1.60 | SU        | 2358 1.66 |           |
| 5         | 0318 1.16 | 13        | 0554 0.25 | 21        | 0052 0.71 | 29        | 0641 0.44 |
| FR        | 0905 0.76 | SA        | 1209 1.34 | SU        | 0625 0.96 | MO        | 1256 1.46 |
| 1619 1.43 | SA        | 1700 0.85 | SU        | 0940 0.91 | MO        | 1826 0.80 |           |
| 2316 0.87 | SA        | 2319 1.83 | SU        | 1757 1.58 | MO        | 1826 0.80 |           |
| 6         | 0430 1.05 | 14        | 0629 0.26 | 22        | 0224 0.64 | 30        | 0028 1.61 |
| SA        | 0926 0.85 | SU        | 1242 1.41 | MO        | 0912 1.58 | TU        | 0701 0.48 |
| 1706 1.46 | SU        | 1754 0.79 | MO        | 1912 1.58 | TU        | 1319 1.50 |           |
| 7         | 0105 0.79 | 15        | 0007 1.78 | 23        | 0331 0.55 | 31        | 0057 1.53 |
| SU        | 0628 0.98 | MO        | 0703 0.31 | TU        | 1051 1.11 | WE        | 0721 0.54 |
| 0948 0.94 | MO        | 1318 1.48 | TU        | 1318 1.07 | WE        | 1342 1.54 |           |
| 1800 1.51 | MO        | 1850 0.75 | TU        | 2021 1.60 | WE        | 1940 0.77 |           |
| 8         | 0218 0.66 | 16        | 0054 1.68 | 24        | 0419 0.48 |           |           |
| MO        | 1859 1.57 | TU        | 0734 0.39 | WE        | 1107 1.19 |           |           |
|           |           | TU        | 1355 1.54 | WE        | 1449 1.04 |           |           |
|           |           | TU        | 1947 0.73 | WE        | 2119 1.64 |           |           |

## FEBRUARY

| Time      | m         | Time      | m         | Time      | m         | Time      | m         |
|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| 1         | 0127 1.45 | 9         | 0428 0.42 | 17        | 0255 1.19 | 25        | 0528 0.50 |
| TH        | 0738 0.60 | FR        | 1103 1.28 | SA        | 0808 0.73 | SU        | 1140 1.48 |
| 1407 1.56 | FR        | 1523 1.01 | SA        | 1504 1.70 | SU        | 1711 0.79 |           |
| 2020 0.78 | FR        | 2143 1.79 | SA        | 2217 0.71 | SU        | 2318 1.67 |           |
| 2         | 0158 1.34 | 10        | 0504 0.36 | 18        | 0348 1.05 | 26        | 0547 0.51 |
| FR        | 0753 0.67 | SA        | 1122 1.39 | SU        | 0819 0.83 | MO        | 1159 1.54 |
| 1433 1.57 | SA        | 1620 0.88 | SU        | 1547 1.61 | MO        | 1743 0.72 |           |
| 2106 0.79 | SA        | 2233 1.84 | SU        | 2358 0.78 | MO        | 2347 1.64 |           |
| 3         | 0235 1.22 | 11        | 0537 0.34 | 19        | 0533 0.95 | 27        | 0606 0.53 |
| SA        | 0807 0.75 | MO        | 1147 1.50 | MO        | 0801 0.92 | TU        | 1217 1.60 |
| 1502 1.58 | MO        | 1712 0.76 | MO        | 1653 1.52 | TU        | 1815 0.67 |           |
| 2202 0.81 | MO        | 2321 1.83 | MO        | 1653 1.52 | TU        | 1815 0.67 |           |
| 4         | 0323 1.10 | 12        | 0608 0.35 | 20        | 0219 0.76 | 28        | 0013 1.59 |
| TH        | 0819 0.83 | MO        | 1216 1.61 | TU        | 1845 1.47 | WE        | 0624 0.56 |
| 1539 1.57 | SU        | 1804 0.65 | TU        | 1845 1.47 | WE        | 1237 1.64 |           |
| 2319 0.81 | SU        | 2319 0.81 | TU        | 1845 1.47 | WE        | 1847 0.63 |           |
| 5         | 0449 0.99 | 13        | 0006 1.76 | 21        | 0336 0.68 | 29        | 0040 1.52 |
| MO        | 0818 0.91 | TU        | 0636 0.39 | WE        | 1124 1.18 | TH        | 0640 0.60 |
| 1634 1.56 | TU        | 1247 1.70 | WE        | 1346 1.15 | TH        | 1258 1.68 |           |
|           | TU        | 1853 0.58 | WE        | 2024 1.50 | TH        | 1918 0.61 |           |
| 6         | 0138 0.76 | 14        | 0049 1.65 | 22        | 0416 0.61 |           |           |
| TU        | 1756 1.57 | WE        | 0702 0.46 | TH        | 1109 1.25 |           |           |
|           | TU        | WE        | 1320 1.76 | TH        | 1512 1.07 |           |           |
|           | TU        | WE        | 1941 0.56 | TH        | 2126 1.57 |           |           |
| 7         | 0255 0.64 | 15        | 0131 1.50 | 23        | 0445 0.56 |           |           |
| WE        | 1927 1.62 | TH        | 0726 0.54 | FR        | 1113 1.34 |           |           |
|           | WE        | TH        | 1353 1.78 | FR        | 1600 0.97 |           |           |
|           | WE        | TH        | 2030 0.57 | FR        | 2210 1.63 |           |           |
| 8         | 0347 0.52 | 16        | 0212 1.34 | 24        | 0508 0.52 |           |           |
| TH        | 1058 1.19 | FR        | 0749 0.63 | SA        | 1124 1.41 |           |           |
| 1409 1.11 | FR        | 1428 1.76 | SA        | 1637 0.88 |           |           |           |
| 2043 1.71 | FR        | 2120 0.63 | SA        | 2246 1.67 |           |           |           |

## MARCH

| Time      | m         | Time      | m         | Time      | m         | Time      | m         |
|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| 1         | 0108 1.45 | 9         | 0402 0.52 | 17        | 0234 1.17 | 25        | 0445 0.61 |
| FR        | 0655 0.65 | SA        | 1027 1.38 | SU        | 0729 0.78 | MO        | 1056 1.57 |
| 1320 1.69 | SA        | 1536 0.92 | SU        | 1420 1.68 | MO        | 1658 0.66 |           |
| 1952 0.62 | SA        | 2142 1.72 | SU        | 2135 0.68 | MO        | 2303 1.58 |           |
| 2         | 0138 1.35 | 10        | 0435 0.47 | 18        | 0320 1.07 | 26        | 0506 0.61 |
| SA        | 0711 0.71 | SU        | 1046 1.52 | MO        | 0741 0.87 | TU        | 1114 1.64 |
| 1343 1.69 | SU        | 1627 0.74 | MO        | 1458 1.56 | TU        | 1728 0.57 |           |
| 2030 0.65 | SU        | 2231 1.75 | MO        | 2247 0.80 | TU        | 2331 1.55 |           |
| 3         | 0211 1.25 | 11        | 0505 0.46 | 19        | 0457 0.99 | 27        | 0524 0.63 |
| SU        | 0727 0.78 | MO        | 1111 1.66 | TU        | 0728 0.96 | WE        | 1133 1.69 |
| 1409 1.67 | MO        | 1715 0.58 | TU        | 1600 1.43 | WE        | 1758 0.51 |           |
| 2117 0.71 | MO        | 2316 1.73 | TU        | 2358 1.51 | WE        | 2358 1.51 |           |
| 4         | 0253 1.13 | 12        | 0533 0.47 | 20        | 0134 0.84 | 28        | 0542 0.65 |
| MO        | 0741 0.85 | TU        | 1140 1.78 | WE        | 1821 1.36 | TH        | 1154 1.73 |
| 1442 1.63 | TU        | 1800 0.45 | WE        | 1821 1.36 | TH        | 1828 0.47 |           |
| 2222 0.77 | TU        | 2358 1.66 | WE        | 1821 1.36 | TH        | 1828 0.47 |           |
| 5         | 0403 1.01 | 13        | 0559 0.51 | 21        | 0305 0.78 | 29        | 0025 1.46 |
| TU        | 0741 0.93 | WE        | 1211 1.86 | TH        | 1041 1.21 | FR        | 0558 0.68 |
| 1529 1.58 | WE        | 1844 0.39 | TH        | 1421 1.13 | FR        | 1216 1.75 |           |
|           | WE        | 1844 0.39 | TH        | 2021 1.41 | FR        | 1858 0.46 |           |
| 6         | 0045 0.80 | 14        | 0039 1.55 | 22        | 0341 0.72 | 30        | 0055 1.39 |
| WE        | 1709 1.53 | TH        | 0623 0.56 | MO        | 1025 1.30 | SA        | 0617 0.72 |
|           | WE        | TH        | 1243 1.89 | SA        | 1520 1.01 | SA        | 1241 1.75 |
|           | WE        | TH        | 1925 0.39 | SA        | 2119 1.49 | SA        | 1931 0.48 |
| 7         | 0231 0.71 | 15        | 0118 1.42 | 23        | 0405 0.67 | 31        | 0126 1.32 |
| TH        | 1917 1.55 | FR        | 0647 0.63 | TH        | 1027 1.40 | SU        | 0638 0.77 |
|           | TH        | FR        | 1315 1.86 | TH        | 1555 0.89 | SU        | 1307 1.73 |
|           | TH        | FR        | 2007 0.45 | TH        | 2159 1.55 | SU        | 2008 0.54 |
| 8         | 0323 0.60 | 16        | 0156 1.29 | 24        | 0425 0.63 |           |           |
| FR        | 1022 1.26 | SA        | 0709 0.70 | SU        | 1040 1.49 |           |           |
| 1433 1.09 | SA        | 1347 1.79 | SU        | 1627 0.77 |           |           |           |
| 2044 1.64 | SA        | 2048 0.55 | SU        | 2233 1.58 |           |           |           |

## APRIL

| Time      | m         | Time      | m         | Time      | m         | Time      | m         |
|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| 1         | 0203 1.23 | 9         | 0421 0.60 | 17        | 0446 1.07 | 25        | 0437 0.74 |
| MO        | 0659 0.84 | TU        | 1029 1.78 | WE        | 0758 1.02 | TH        | 1048 1.73 |
| 1337 1.68 | TU        | 1707 0.38 | WE        | 1541 1.36 | TH        | 1738 0.37 |           |
| 2053 0.62 | TU        | 2306 1.56 | WE        | 2344 1.40 | TH        | 2344 1.40 |           |
| 2         | 0250 1.13 | 10        | 0449 0.61 | 18        | 0006 0.84 | 26        | 0459 0.75 |
| TU        | 0718 0.91 | MO        | 1101 1.88 | TH        | 1746 1.28 | FR        | 1114 1.76 |
| 1412 1.62 | MO        | 1748 0.28 | TH        | 2348 1.50 | FR        | 1809 0.34 |           |
| 2155 0.72 | MO        | 2348 1.50 | TH        | 2348 1.50 | FR        | 1809 0.34 |           |
| 3         | 0412 1.05 | 11        | 0516 0.64 | 19        | 0138 0.83 | 27        | 0014 1.36 |
| WE        | 0729 0.99 | TH        | 1134 1.92 | FR        | 0844 1.23 | SA        | 0521 0.77 |
| 1505 1.54 | TH        | 1828 0.25 | FR        | 1404 1.04 | SA        | 1142 1.76 |           |
| 2351 0.78 | TH        | 2351 0.78 | FR        | 1948 1.31 | SA        | 1842 0.35 |           |
| 4         | 1657 1.45 | 12        | 0027 1.42 | 20        | 0229 0.80 | 28        | 0047 1.32 |
| TH        |           | FR        | 0543 0.67 | SA        | 0903 1.34 | SU        | 0547 0.80 |
|           |           | FR        | 1208 1.90 | SA        | 1456 0.92 | SU        | 1212 1.75 |
|           |           | FR        | 1906 0.29 | SA        | 2053 1.37 | SU        | 1917 0.40 |
| 5         | 0143 0.74 | 13        | 0105 1.33 | 21        | 0302 0.76 | 29        | 0123 1.26 |
| FR        | 0907 1.20 | TH        | 0611 0.71 | SU        | 0923 1.44 | MO        | 0615 0.84 |
| 1314 1.13 | TH        | 1944 0.38 | SU        | 1533 0.78 | MO        | 1246 1.71 |           |
| 1914 1.45 | TH        | 2348 1.50 | SU        | 2137 1.41 | MO        | 1957 0.47 |           |
| 6         | 0238 0.68 | 14        | 0143 1.24 | 22        | 0329 0.74 | 30        | 0207 1.20 |
| SA        | 0914 1.34 | SU        | 0639 0.77 | MO        | 0943 1.53 | TU        | 0646 0.89 |
| 1440 0.95 | SU        | 1315 1.73 | MO        | 1605 0.65 | TU        | 1322 1.64 |           |
| 2039 1.52 | SU        | 2022 0.50 | MO        | 2213 1.44 | TU        | 2044 0.56 |           |
| 7         | 0318 0.63 | 15        | 0222 1.17 | 23        | 0354 0.73 |           |           |
| SU        | 0934 1.49 | MO        | 0707 0.84 | TU        | 1005 1.61 |           |           |
| 1535 0.74 | MO        | 1351 1.61 | TU        | 1637 0.53 |           |           |           |
| 2136 1.58 | MO        | 2105 0.64 | TU        | 2246 1.44 |           |           |           |
| 8         | 0351 0.60 | 16        | 0314 1.11 | 24        | 0417 0.73 |           |           |
| MO        | 1000 1.65 | TU        | 0734 0.93 | WE        | 1026 1.68 |           |           |
| 1622 0.54 | TU        | 1434 1.48 | WE        | 1708 0.44 |           |           |           |
| 2223 1.59 | TU        | 2203 0.77 | WE        | 2316 1.43 |           |           |           |

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Datum of Predictions is Lowest Astronomical Tide

Caution: Predictions are of secondary quality

Times are in local standard time (Time Zone UTC +08:00)

Moon Phase Symbols ● New Moon ○ First Quarter ○ Full Moon ○ Last Quarter

# TANTABIDDI – WESTERN AUSTRALIA

LAT 21° 55' S LONG 113° 59' E

# 2024

TIMES AND HEIGHTS OF HIGH AND LOW WATERS

LOCAL TIME

## MAY

## JUNE

| Time | m   | Time | m   | Time | m   | Time | m   | Time | m   | Time | m   | Time | m   | Time | m   |
|------|---|------|---|------|---|------|---|------|---|------|---|------|---|------|---|
| 1    | 0304 1.14<br>0723 0.96<br>WE 1408 1.56<br>☉ 2142 0.66 | 9    | 0404 0.73<br>1025 1.87<br>TH 1734 0.21<br>2338 1.35   | 17   | 0544 1.21<br>1115 1.03<br>FR 1700 1.23<br>2357 0.83   | 25   | 0422 0.83<br>1042 1.74<br>SA 1756 0.29                | 1    | 0510 1.32<br>1111 0.90<br>SA 1652 1.24<br>2314 0.75   | 9    | 0012 1.24<br>0457 0.80<br>SU 1125 1.70<br>1838 0.29   | 17   | 0608 1.36<br>1331 0.76<br>MO 1918 1.05                | 25   | 0039 1.24<br>0530 0.81<br>TU 1154 1.68<br>1902 0.30   |
| 2    | 0429 1.13<br>0821 1.03<br>TH 1517 1.45<br>2304 0.74   | 10   | 0437 0.74<br>1102 1.87<br>FR 1812 0.21                | 18   | 0654 1.28<br>1318 0.95<br>SA 1850 1.20                | 26   | 0008 1.27<br>0454 0.83<br>SU 1118 1.74<br>1832 0.30   | 2    | 0609 1.41<br>1254 0.78<br>SU 1838 1.18                | 10   | 0050 1.24<br>0540 0.80<br>MO 1208 1.64<br>1913 0.36   | 18   | 0007 0.91<br>0654 1.42<br>TU 1428 0.64<br>2052 1.08   | 26   | 0116 1.27<br>0622 0.79<br>WE 1241 1.62<br>1938 0.35   |
| 3    | 0621 1.18<br>1039 1.08<br>FR 1701 1.36                | 11   | 0018 1.31<br>0511 0.75<br>SA 1140 1.82<br>1850 0.27   | 19   | 0105 0.85<br>0739 1.36<br>SU 1419 0.82<br>2014 1.22   | 27   | 0044 1.25<br>0529 0.84<br>MO 1157 1.72<br>1911 0.35   | 3    | 0015 0.80<br>0701 1.52<br>MO 1408 0.61<br>2008 1.17   | 11   | 0128 1.24<br>0626 0.81<br>TU 1250 1.56<br>1947 0.44   | 19   | 0105 0.94<br>0737 1.48<br>WE 1513 0.52<br>2151 1.12   | 27   | 0156 1.31<br>0720 0.77<br>TH 1330 1.53<br>2013 0.43   |
| 4    | 0035 0.76<br>0725 1.30<br>SA 1318 0.96<br>1902 1.33   | 12   | 0056 1.26<br>0547 0.78<br>SU 1218 1.74<br>1926 0.36   | 20   | 0151 0.85<br>0814 1.45<br>MO 1502 0.69<br>2112 1.25   | 28   | 0125 1.23<br>0610 0.86<br>TU 1239 1.66<br>1951 0.41   | 4    | 0111 0.83<br>0747 1.62<br>TU 1506 0.46<br>2115 1.19   | 12   | 0208 1.24<br>0715 0.84<br>WE 1333 1.47<br>2020 0.52   | 20   | 0155 0.94<br>0818 1.54<br>TH 1554 0.42<br>2231 1.15   | 28   | 0239 1.35<br>0824 0.76<br>FR 1421 1.40<br>2048 0.52   |
| 5    | 0136 0.76<br>0805 1.44<br>SU 1428 0.77<br>2025 1.36   | 13   | 0135 1.22<br>0625 0.82<br>MO 1257 1.64<br>2004 0.47   | 21   | 0227 0.85<br>0843 1.53<br>TU 1539 0.56<br>2155 1.28   | 29   | 0211 1.22<br>0658 0.89<br>WE 1326 1.59<br>2035 0.50   | 5    | 0201 0.83<br>0831 1.70<br>WE 1556 0.33<br>2208 1.22   | 13   | 0250 1.25<br>0808 0.87<br>TH 1417 1.37<br>2055 0.61   | 21   | 0238 0.93<br>0859 1.61<br>FR 1632 0.33<br>2302 1.18   | 29   | 0324 1.40<br>0934 0.74<br>SA 1518 1.25<br>☉ 2123 0.62 |
| 6    | 0220 0.74<br>0839 1.59<br>MO 1522 0.56<br>2124 1.39   | 14   | 0218 1.19<br>0706 0.87<br>TU 1339 1.53<br>2044 0.59   | 22   | 0258 0.84<br>0911 1.60<br>WE 1613 0.44<br>2232 1.29   | 30   | 0305 1.22<br>0800 0.92<br>TH 1420 1.48<br>2122 0.59   | 6    | 0247 0.83<br>0916 1.75<br>TH 1641 0.25<br>☉ 2252 1.23 | 14   | 0337 1.26<br>0910 0.90<br>FR 1508 1.27<br>☉ 2132 0.69 | 22   | 0319 0.90<br>0941 1.66<br>SA 1710 0.28<br>☉ 2333 1.20 | 30   | 0412 1.45<br>1051 0.70<br>SU 1629 1.11<br>2202 0.72   |
| 7    | 0257 0.73<br>0913 1.72<br>TU 1609 0.39<br>2213 1.40   | 15   | 0311 1.17<br>0754 0.94<br>WE 1429 1.42<br>☉ 2131 0.69 | 23   | 0326 0.84<br>0939 1.66<br>TH 1647 0.36<br>☉ 2304 1.29 | 31   | 0405 1.25<br>0924 0.94<br>FR 1527 1.36<br>☉ 2214 0.68 | 7    | 0330 0.81<br>0959 1.77<br>FR 1723 0.22<br>2333 1.24   | 15   | 0426 1.29<br>1027 0.90<br>SA 1608 1.17<br>2214 0.78   | 23   | 0400 0.87<br>1023 1.70<br>SU 1748 0.26                |      |   |
| 8    | 0331 0.73<br>0949 1.82<br>WE 1652 0.27<br>☉ 2257 1.38 | 16   | 0421 1.17<br>0903 1.01<br>TH 1533 1.31<br>2234 0.78   | 24   | 0353 0.84<br>1009 1.71<br>FR 1721 0.30<br>2336 1.29   |      |   | 8    | 0413 0.80<br>1042 1.75<br>SA 1802 0.24                | 16   | 0518 1.32<br>1208 0.86<br>SU 1732 1.08<br>2305 0.85   | 24   | 0004 1.22<br>0443 0.83<br>MO 1108 1.71<br>1825 0.26   |      |   |

## JULY

## AUGUST

| Time | m   | Time | m   | Time | m   | Time | m   | Time | m   | Time | m   | Time | m   | Time | m   |
|------|---|------|---|------|---|------|---|------|---|------|---|------|---|------|---|
| 1    | 0504 1.49<br>1222 0.64<br>MO 1807 1.01<br>2251 0.80   | 9    | 0039 1.25<br>0545 0.75<br>TU 1204 1.56<br>1856 0.35   | 17   | 0522 1.37<br>1348 0.63<br>WE                          | 25   | 0052 1.38<br>0632 0.60<br>TH 1238 1.56<br>1911 0.31   | 1    | 0627 1.41<br>1459 0.47<br>TH 2237 0.96                | 9    | 0059 1.37<br>0657 0.56<br>FR 1255 1.35<br>1905 0.43   | 17   | 0657 1.35<br>1528 0.43<br>SA 2249 1.02                | 25   | 0122 1.61<br>0804 0.30<br>SU 1353 1.18<br>1922 0.47   |
| 2    | 0602 1.52<br>1348 0.54<br>TU 1956 0.99<br>2355 0.87   | 10   | 0110 1.28<br>0629 0.73<br>WE 1242 1.50<br>1922 0.40   | 18   | 0624 1.40<br>1452 0.53<br>TH 2241 1.00                | 26   | 0126 1.44<br>0726 0.55<br>FR 1323 1.44<br>1939 0.39   | 2    | 0032 0.94<br>0751 1.41<br>FR 1557 0.40<br>2248 1.04   | 10   | 0122 1.39<br>0732 0.54<br>SA 1323 1.27<br>1922 0.49   | 18   | 0200 0.96<br>0824 1.43<br>SU 1607 0.34<br>2243 1.11   | 26   | 0156 1.59<br>0851 0.35<br>MO 1436 1.03<br>☉ 1943 0.56 |
| 3    | 0702 1.56<br>1455 0.43<br>WE 2126 1.03                | 11   | 0140 1.30<br>0713 0.73<br>TH 1317 1.42<br>1948 0.46   | 19   | 0030 0.99<br>0731 1.45<br>FR 1541 0.42<br>2246 1.05   | 27   | 0202 1.50<br>0821 0.53<br>SA 1409 1.29<br>2006 0.47   | 3    | 0231 0.91<br>0901 1.45<br>SA 1640 0.34<br>2305 1.12   | 11   | 0145 1.40<br>0808 0.55<br>SU 1353 1.17<br>1935 0.55   | 19   | 0310 0.84<br>0925 1.52<br>MO 1641 0.27<br>2257 1.20   | 27   | 0232 1.52<br>0943 0.44<br>TU 1527 0.89<br>1959 0.65   |
| 4    | 0109 0.90<br>0801 1.59<br>TH 1551 0.35<br>2220 1.09   | 12   | 0210 1.32<br>0757 0.73<br>FR 1352 1.32<br>2011 0.53   | 20   | 0202 0.97<br>0833 1.52<br>SA 1623 0.33<br>2303 1.11   | 28   | 0239 1.52<br>0917 0.52<br>SU 1459 1.13<br>☉ 2032 0.57 | 4    | 0335 0.83<br>0956 1.49<br>SU 1714 0.31<br>☉ 2327 1.19 | 12   | 0208 1.40<br>0848 0.57<br>MO 1427 1.06<br>☉ 1948 0.62 | 20   | 0404 0.70<br>1015 1.58<br>TU 1712 0.24<br>☉ 2319 1.31 | 28   | 0314 1.43<br>1055 0.54<br>WE 1657 0.79<br>1956 0.74   |
| 5    | 0220 0.89<br>0858 1.61<br>FR 1638 0.29<br>2300 1.14   | 13   | 0241 1.34<br>0844 0.74<br>SA 1430 1.22<br>2032 0.61   | 21   | 0304 0.91<br>0928 1.59<br>SU 1701 0.27<br>☉ 2325 1.17 | 29   | 0320 1.52<br>1018 0.54<br>MO 1558 0.98<br>2056 0.67   | 5    | 0424 0.75<br>1041 1.52<br>MO 1741 0.30<br>2350 1.25   | 13   | 0235 1.39<br>0935 0.60<br>TU 1509 0.95<br>1957 0.70   | 21   | 0453 0.56<br>1101 1.59<br>WE 1741 0.24<br>2346 1.42   | 29   | 0414 1.32<br>1321 0.58<br>TH                          |
| 6    | 0319 0.86<br>0950 1.62<br>SA 1720 0.27<br>☉ 2334 1.19 | 14   | 0314 1.35<br>0936 0.75<br>SU 1514 1.11<br>☉ 2051 0.70 | 22   | 0357 0.83<br>1018 1.65<br>MO 1737 0.23<br>2350 1.23   | 30   | 0406 1.49<br>1142 0.56<br>TU 1731 0.87<br>2116 0.77   | 6    | 0506 0.68<br>1120 1.52<br>TU 1804 0.31                | 14   | 0306 1.37<br>1039 0.63<br>WE 1623 0.84<br>1955 0.77   | 22   | 0542 0.44<br>1146 1.55<br>TH 1808 0.27                | 30   | 0606 1.24<br>1503 0.52<br>FR 2254 0.97                |
| 7    | 0412 0.81<br>1038 1.62<br>SU 1756 0.28                | 15   | 0350 1.36<br>1038 0.75<br>MO 1614 1.00<br>2106 0.78   | 23   | 0447 0.75<br>1106 1.66<br>TU 1810 0.23                | 31   | 0506 1.45<br>1333 0.54<br>WE                          | 7    | 0014 1.29<br>0545 0.62<br>WE 1154 1.48<br>1827 0.34   | 15   | 0353 1.34<br>1251 0.63<br>TH                          | 23   | 0017 1.52<br>0630 0.35<br>FR 1229 1.45<br>1834 0.32   | 31   | 0139 0.94<br>0801 1.25<br>SA 1551 0.45<br>2238 1.06   |
| 8    | 0007 1.22<br>0459 0.78<br>MO 1123 1.60<br>1827 0.30   | 16   | 0431 1.36<br>1206 0.71<br>TU 1752 0.91<br>2113 0.86   | 24   | 0019 1.30<br>0539 0.67<br>WE 1152 1.64<br>1841 0.26   |      |   | 8    | 0037 1.33<br>0621 0.58<br>TH 1226 1.43<br>1847 0.38   | 16   | 0514 1.32<br>1434 0.54<br>FR                          | 24   | 0049 1.59<br>0717 0.30<br>SA 1310 1.32<br>1858 0.39   |      |   |

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Datum of Predictions is Lowest Astronomical Tide

Caution: Predictions are of secondary quality

Times are in local standard time (Time Zone UTC +08:00)

Moon Phase Symbols

● New Moon

◐ First Quarter

○ Full Moon

◑ Last Quarter

# TANTABIDDI – WESTERN AUSTRALIA

LAT 21° 55' S LONG 113° 59' E

# 2024

TIMES AND HEIGHTS OF HIGH AND LOW WATERS

LOCAL TIME

## SEPTEMBER

## OCTOBER

| Time         | m            | Time         | m            | Time         | m            | Time         | m            | Time         | m            | Time         | m            | Time         | m            |              |              |    |           |
|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|----|-----------|
| 1            | 0303 0.84    | 9            | 0053 1.46    | 17           | 0317 0.70    | 25           | 0152 1.48    | 1            | 0343 0.62    | 9            | 0037 1.48    | 17           | 0356 0.33    | 25           | 0211 1.29    |    |           |
| 0911 1.32    | 0734 0.36    | 0922 1.42    | 0909 0.40    | 0948 1.29    | 0743 0.31    | 1001 1.34    | 0935 0.54    | 1600 0.47    | 1346 1.03    | 1547 0.48    | 1629 0.94    | 1600 0.47    | 1346 1.03    | 1547 0.48    | 1629 0.94    |    |           |
| SU 2244 1.15 | MO 1849 0.55 | TU 2214 1.31 | WE 1506 0.88 | ● 1926 0.68  | ● 1926 0.68  | ● 1926 0.68  | ● 1926 0.68  | TU 2210 1.30 | WE 1836 0.67 | ○ 2155 1.60  | FR 2014 0.87 | TU 2210 1.30 | WE 1836 0.67 | ○ 2155 1.60  | FR 2014 0.87 |    |           |
| 2            | 0350 0.73    | 10           | 0115 1.45    | 18           | 0405 0.51    | 26           | 0232 1.34    | 2            | 0414 0.49    | 10           | 0105 1.44    | 18           | 0439 0.15    | 26           | 0322 1.15    |    |           |
| 0959 1.39    | 0808 0.40    | 1010 1.47    | 1011 0.54    | 1010 1.47    | 1011 0.54    | 1011 0.54    | 1011 0.54    | 1023 1.32    | 0824 0.40    | 1044 1.33    | 1103 0.65    | 1023 1.32    | 0824 0.40    | 1044 1.33    | 1103 0.65    |    |           |
| MO 1648 0.36 | TU 1358 1.03 | WE 1634 0.32 | TH 1641 0.81 | ○ 1926 0.78  | ○ 1926 0.78  | ○ 1926 0.78  | ○ 1926 0.78  | WE 1622 0.46 | TH 1429 0.96 | FR 1615 0.48 | SA 1852 0.99 | WE 1622 0.46 | TH 1429 0.96 | FR 1615 0.48 | SA 1852 0.99 |    |           |
| 2257 1.23    | TU 1905 0.61 | ○ 2239 1.45  | ○ 2239 1.45  | ○ 2239 1.45  | ○ 2239 1.45  | ○ 2239 1.45  | ○ 2239 1.45  | 2228 1.38    | TH 1857 0.74 | FR 2227 1.71 | ○ 2227 1.71  | 2228 1.38    | TH 1857 0.74 | FR 2227 1.71 | ○ 2227 1.71  |    |           |
| 3            | 0427 0.63    | 11           | 0140 1.42    | 19           | 0450 0.33    | 27           | 0335 1.20    | 3            | 0444 0.39    | 11           | 0138 1.37    | 19           | 0522 0.04    | 27           | 0013 0.93    |    |           |
| 1036 1.42    | 0850 0.47    | 1054 1.47    | 1238 0.62    | 1036 1.42    | 0850 0.47    | 1054 1.47    | 1238 0.62    | 1054 1.33    | 0917 0.50    | 1126 1.29    | 0526 1.06    | 1054 1.33    | 0917 0.50    | 1126 1.29    | 0526 1.06    |    |           |
| TU 1708 0.35 | WE 1435 0.93 | TH 1701 0.32 | FR 1727 0.36 | ○ 2307 1.57  | ○ 2307 1.57  | ○ 2307 1.57  | ○ 2307 1.57  | TH 1642 0.47 | FR 1543 0.89 | SA 1643 0.50 | SU 1254 0.68 | TH 1642 0.47 | FR 1543 0.89 | SA 1643 0.50 | SU 1254 0.68 |    |           |
| ● 2315 1.30  | ○ 1918 0.68  | ○ 2307 1.57  | ○ 2307 1.57  | ○ 2307 1.57  | ○ 2307 1.57  | ○ 2307 1.57  | ○ 2307 1.57  | ● 2248 1.44  | ○ 1913 0.82  | ○ 2301 1.75  | ○ 1957 1.10  | ● 2248 1.44  | ○ 1913 0.82  | ○ 2301 1.75  | ○ 1957 1.10  |    |           |
| 4            | 0500 0.53    | 12           | 0209 1.37    | 20           | 0535 0.19    | 28           | 0557 1.11    | 4            | 0513 0.30    | 12           | 0226 1.29    | 20           | 0603 0.00    | 28           | 0158 0.82    |    |           |
| 1109 1.43    | 0945 0.55    | 1136 1.42    | 1422 0.59    | 1109 1.43    | 0945 0.55    | 1136 1.42    | 1422 0.59    | 1122 1.31    | 1043 0.59    | 1206 1.23    | 0733 1.08    | 1122 1.31    | 1043 0.59    | 1206 1.23    | 0733 1.08    |    |           |
| WE 1728 0.36 | TH 1537 0.83 | FR 1727 0.36 | SA 2145 1.01 | ○ 2338 1.66  | ○ 2338 1.66  | ○ 2338 1.66  | ○ 2338 1.66  | FR 1701 0.48 | SA 2307 1.49 | SU 1712 0.53 | MO 1354 0.66 | FR 1701 0.48 | SA 2307 1.49 | SU 1712 0.53 | MO 1354 0.66 |    |           |
| 2334 1.36    | TH 1920 0.75 | FR 2338 1.66 | SA 2145 1.01 | ○ 2338 1.66  | ○ 2338 1.66  | ○ 2338 1.66  | ○ 2338 1.66  | 2307 1.49    | SA 2307 1.49 | SU 2335 1.74 | MO 2028 1.20 | 2307 1.49    | SA 2307 1.49 | SU 2335 1.74 | MO 2028 1.20 |    |           |
| 5            | 0533 0.46    | 13           | 0250 1.32    | 21           | 0618 0.12    | 29           | 0214 0.87    | 5            | 0542 0.24    | 13           | 0413 1.19    | 21           | 0643 0.03    | 29           | 0247 0.68    |    |           |
| 1139 1.40    | 1128 0.61    | 1217 1.32    | 0805 1.15    | 1139 1.40    | 1128 0.61    | 1217 1.32    | 0805 1.15    | 1148 1.27    | 1256 0.59    | 1246 1.15    | 0843 1.13    | 1148 1.27    | 1256 0.59    | 1246 1.15    | 0843 1.13    |    |           |
| TH 1747 0.38 | FR 1128 0.61 | SA 1752 0.40 | SU 2142 1.11 | ○ 2142 1.11  | ○ 2142 1.11  | ○ 2142 1.11  | ○ 2142 1.11  | SA 1719 0.51 | SU 2026 1.02 | MO 1743 0.56 | TU 2053 1.31 | SA 1719 0.51 | SU 2026 1.02 | MO 1743 0.56 | TU 2053 1.31 |    |           |
| 2354 1.41    | FR 1128 0.61 | SA 1752 0.40 | SU 2142 1.11 | ○ 2142 1.11  | ○ 2142 1.11  | ○ 2142 1.11  | ○ 2142 1.11  | 2327 1.52    | SU 2026 1.02 | MO 1743 0.56 | TU 2053 1.31 | 2327 1.52    | SU 2026 1.02 | MO 1743 0.56 | TU 2053 1.31 |    |           |
| 6            | 0603 0.40    | 14           | 0423 1.25    | 22           | 0010 1.69    | 30           | 0308 0.74    | 6            | 0610 0.21    | 14           | 0103 0.93    | 22           | 0011 1.68    | 30           | 0321 0.55    |    |           |
| 1206 1.35    | 1359 0.56    | 0700 0.10    | 0907 1.23    | 1206 1.35    | 1359 0.56    | 0700 0.10    | 0907 1.23    | 1214 1.22    | 0636 1.18    | 0722 0.12    | 0929 1.19    | 1214 1.22    | 0636 1.18    | 0722 0.12    | 0929 1.19    |    |           |
| FR 1804 0.41 | SA 1359 0.56 | SU 1257 1.21 | MO 2153 1.21 | ○ 1817 0.45  | ○ 1817 0.45  | ○ 1817 0.45  | ○ 1817 0.45  | SU 1735 0.54 | MO 2039 1.15 | TU 1325 1.08 | WE 1503 0.63 | SU 1735 0.54 | MO 2039 1.15 | TU 1325 1.08 | WE 1503 0.63 |    |           |
| FR 1804 0.41 | SA 1359 0.56 | SU 1257 1.21 | MO 2153 1.21 | ○ 1817 0.45  | ○ 1817 0.45  | ○ 1817 0.45  | ○ 1817 0.45  | 2348 1.53    | MO 2039 1.15 | TU 1815 0.61 | WE 2115 1.39 | 2348 1.53    | MO 2039 1.15 | TU 1815 0.61 | WE 2115 1.39 |    |           |
| 7            | 0013 1.44    | 15           | 0644 1.25    | 23           | 0043 1.67    | 31           | 0353 0.42    | 7            | 0638 0.21    | 15           | 0220 0.75    | 23           | 0047 1.57    | 31           | 0353 0.42    |    |           |
| 0633 0.36    | 1455 0.47    | 0742 0.16    | 1007 1.22    | 7            | 0638 0.21    | 15           | 0220 0.75    | 23           | 0047 1.57    | 31           | 0353 0.42    | 7            | 0638 0.21    | 15           | 0220 0.75    | 23 | 0047 1.57 |
| SA 1232 1.28 | SU 2153 1.05 | MO 1842 0.52 | TH 1530 0.63 | SA 1232 1.28 | SU 2153 1.05 | MO 1842 0.52 | TH 1530 0.63 | MO 1754 0.57 | TU 1442 0.51 | WE 1848 0.68 | TH 2138 1.47 | MO 1754 0.57 | TU 1442 0.51 | WE 1848 0.68 | TH 2138 1.47 |    |           |
| 1820 0.45    | SU 2153 1.05 | MO 1842 0.52 | TH 1530 0.63 | MO 1754 0.57 | TU 1442 0.51 | WE 1848 0.68 | TH 2138 1.47 | 1820 0.45    | TU 1442 0.51 | WE 1848 0.68 | TH 2138 1.47 | 1820 0.45    | TU 1442 0.51 | WE 1848 0.68 | TH 2138 1.47 |    |           |
| 8            | 0032 1.46    | 16           | 0220 0.88    | 24           | 0117 1.59    | 31           | 0353 0.42    | 8            | 0012 1.52    | 16           | 0310 0.53    | 24           | 0126 1.43    | 31           | 0353 0.42    |    |           |
| 0704 0.35    | 0822 1.34    | 0823 0.26    | 1007 1.22    | 8            | 0012 1.52    | 16           | 0310 0.53    | 24           | 0126 1.43    | 31           | 0353 0.42    | 8            | 0012 1.52    | 16           | 0310 0.53    | 24 | 0126 1.43 |
| SU 1258 1.21 | MO 1533 0.39 | TU 1417 0.98 | TH 1530 0.63 | SU 1258 1.21 | MO 1533 0.39 | TU 1417 0.98 | TH 1530 0.63 | TU 1311 1.11 | WE 1516 0.48 | ○ 1924 0.77  | TH 1501 0.96 | TU 1311 1.11 | WE 1516 0.48 | ○ 1924 0.77  | TH 1501 0.96 |    |           |
| 1834 0.50    | MO 1533 0.39 | TU 1417 0.98 | TH 1530 0.63 | TU 1311 1.11 | WE 1516 0.48 | ○ 1924 0.77  | TH 1501 0.96 | 1815 0.61    | 2126 1.46    | ○ 1924 0.77  | TH 1501 0.96 | 1815 0.61    | 2126 1.46    | ○ 1924 0.77  | TH 1501 0.96 |    |           |

## NOVEMBER

## DECEMBER

| Time         | m            | Time         | m            | Time         | m            | Time         | m            | Time         | m            | Time         | m            | Time         | m            | Time         | m            |
|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| 1            | 0423 0.31    | 9            | 0132 1.39    | 17           | 0510 0.04    | 25           | 0430 1.08    | 1            | 0436 0.26    | 9            | 0241 1.31    | 17           | 0546 0.16    | 25           | 0445 1.04    |
| 1039 1.24    | 0902 0.48    | 1120 1.21    | 1054 0.73    | 1039 1.24    | 0902 0.48    | 1120 1.21    | 1054 0.73    | 1104 1.19    | 0924 0.57    | 1200 1.23    | 0958 0.83    | 1104 1.19    | 0924 0.57    | 1200 1.23    | 0958 0.83    |
| FR 1554 0.63 | SA 1551 1.03 | SU 1607 0.66 | MO 1819 1.23 | FR 1554 0.63 | SA 1551 1.03 | SU 1607 0.66 | MO 1819 1.23 | ● 2149 1.64  | MO 1621 1.32 | TU 1636 0.80 | WE 1731 1.41 | ● 2149 1.64  | MO 1621 1.32 | TU 1636 0.80 | WE 1731 1.41 |
| ● 2200 1.53  | ○ 2002 0.91  | ○ 2232 1.80  | ○ 2232 1.80  | ○ 2232 1.80  | ○ 2232 1.80  | ○ 2232 1.80  | ○ 2232 1.80  | 2149 1.64    | 2228 0.87    | 2303 1.74    | ○ 2303 1.74  | 2149 1.64    | 2228 0.87    | 2303 1.74    | ○ 2303 1.74  |
| 2            | 0452 0.23    | 10           | 0232 1.28    | 18           | 0551 0.03    | 26           | 0111 0.83    | 2            | 0508 0.22    | 10           | 0357 1.18    | 18           | 0623 0.21    | 26           | 0120 0.78    |
| 1108 1.23    | 1005 0.57    | 1200 1.19    | 0621 1.03    | 1108 1.23    | 1005 0.57    | 1200 1.19    | 0621 1.03    | 1132 1.20    | 1011 0.67    | 1237 1.25    | 0641 0.98    | 1132 1.20    | 1011 0.67    | 1237 1.25    | 0641 0.98    |
| SA 1616 0.64 | SU 1728 1.08 | MO 1644 0.67 | TU 1209 0.78 | SA 1616 0.64 | SU 1728 1.08 | MO 1644 0.67 | TU 1209 0.78 | MO 1605 0.81 | TU 1719 1.40 | WE 1724 0.79 | TH 1043 0.92 | MO 1605 0.81 | TU 1719 1.40 | WE 1724 0.79 | TH 1043 0.92 |
| 2223 1.57    | SU 2211 0.95 | MO 2312 1.75 | ○ 1909 1.31  | 2223 1.57    | SU 2211 0.95 | MO 2312 1.75 | ○ 1909 1.31  | 2221 1.66    | 2221 1.66    | 2348 1.68    | 1824 1.45    | 2221 1.66    | 2221 1.66    | 2348 1.68    | 1824 1.45    |
| 3            | 0521 0.18    | 11           | 0412 1.17    | 19           | 0629 0.09    | 27           | 0212 0.70    | 3            | 0541 0.20    | 11           | 0014 0.76    | 19           | 0658 0.28    | 27           | 0224 0.67    |
| 1136 1.21    | 1125 0.64    | 1240 1.17    | 0802 1.05    | 1136 1.21    | 1125 0.64    | 1240 1.17    | 0802 1.05    | 1201 1.20    | 0536 1.07    | 1314 1.27    | 0915 1.01    | 1201 1.20    | 0536 1.07    | 1314 1.27    | 0915 1.01    |
| SU 1637 0.65 | MO 1842 1.18 | TU 1724 0.69 | WE 1311 0.81 | SU 1637 0.65 | MO 1842 1.18 | TU 1724 0.69 | WE 1311 0.81 | TU 1637 0.80 | WE 1107 0.76 | TH 1812 0.80 | FR 1204 0.98 | TU 1637 0.80 | WE 1107 0.76 | TH 1812 0.80 | FR 1204 0.98 |
| 2247 1.59    | MO 1842 1.18 | TU 2352 1.67 | ○ 1946 1.39  | 2247 1.59    | MO 1842 1.18 | TU 2352 1.67 | ○ 1946 1.39  | 2255 1.67    | 1815 1.50    | ○ 1914 1.50  | ○ 1914 1.50  | 2255 1.67    | 1815 1.50    | ○ 1914 1.50  | ○ 1914 1.50  |
| 4            | 0551 0.16    | 12           | 0052 0.84    | 20           | 0707 0.18    | 28           | 0255 0.57    | 4            | 0614 0.22    | 12           | 0139 0.60    | 20           | 0030 1.59    | 28           | 0311 0.56    |
| 1234 1.16    | 0613 1.12    | 1320 1.14    | 0910 1.09    | 1234 1.16    | 0613 1.12    | 1320 1.14    | 0910 1.09    | 1232 1.20    | 0729 1.04    | 0729 0.36    | 1016 1.08    | 1232 1.20    | 0729 1.04    | 0729 0.36    | 1016 1.08    |
| MO 1700 0.67 | TU 1240 0.67 | WE 1806 0.73 | TH 1356 0.82 | MO 1700 0.67 | TU 1240 0.67 | WE 1806 0.73 | TH 1356 0.82 | WE 1712 0.81 | TH 1209 0.82 | FR 1352 1.29 | SA 1320 1.01 | WE 1712 0.81 | TH 1209 0.82 | FR 1352 1.29 | SA 1320 1.01 |
| 2314 1.59    | TU 1926 1.32 | ○ 2019 1.47  | ○ 2019 1.47  | 2314 1.59    | TU 1926 1.32 | ○ 2019 1.47  | ○ 2019 1.47  | 2332 1.65    | 1908 1.60    | 1902 0.82    | 2001 1.56    | 2332 1.65    | 1908 1.60    | 1902 0.82    | 2001 1.56    |
| 5            | 0622 0.17    | 13           | 0203 0.64    | 21           | 0033 1.56    | 29           | 0330 0.45    | 5            | 0649 0.25    | 13           | 0241 0.44    | 21           | 0111 1.49    | 29           | 0350 0.46    |
| 1234 1.16    | 0755 1.14    | 0744 0.30    | 0956 1.13    | 1234 1.16    | 0755 1.14    | 0744 0.30    | 0956 1.13    | 1308 1.20    | 0855 1.07    | 0800 0.44    | 1045 1.13    | 1308 1.20    | 0855 1.07    | 0800 0.44    | 1045 1.13    |
| TU 1726 0.69 | WE 1334 0.67 | TH 1404 1.12 | FR 1433 0.83 | TU 1726 0.69 | WE 1334 0.67 | TH 1404 1.12 | FR 1433 0.83 | TH 1751 0.82 | FR 1311 0.85 | SA 1430 1.31 | SU 1418 1.00 | TH 1751 0.82 | FR 1311 0.85 | SA 1430 1.31 | SU 1418 1.00 |
| 2344 1.57    | MO 2002 1.47 | ○ 1852 0.78  | ○ 2049 1.54  | 2344 1.57    | MO 2002 1.47 | ○ 1852 0.78  | ○ 2049 1.54  | 2332 1.65    | 1957 1.69    | 1955 0.85    | 2046 1.62    | 2332 1.65    | 1957 1.69    | 1955 0.85    | 2046 1.62    |
| 6            | 0655         |              |              |              |              |              |              |              |              |              |              |              |              |              |              |



# AUSTRALIA, NORTH COAST – THEVENARD ISLAND

LAT 21° 28' S LONG 115° 01' E

# 2024

TIMES AND HEIGHTS OF HIGH AND LOW WATERS

TIME ZONE -0800

## JANUARY

| Time | m         | Time | m         | Time | m         | Time | m         |
|------|-----------|------|-----------|------|-----------|------|-----------|
| 1    | 0127 2.24 | 9    | 0332 0.81 | 17   | 0234 2.30 | 25   | 0515 0.62 |
| MO   | 0758 0.59 | TU   | 1005 1.67 | WE   | 0834 0.61 | TH   | 1139 2.01 |
| MO   | 1425 2.09 | TU   | 1402 1.42 | WE   | 1509 2.39 | TH   | 1642 1.28 |
|      | 1933 1.11 |      | 2051 2.28 |      | 2114 0.88 |      | 2308 2.35 |
| 2    | 0158 2.14 | 10   | 0420 0.64 | 18   | 0317 2.10 | 26   | 0550 0.55 |
| TU   | 0823 0.69 | WE   | 1050 1.81 | TH   | 0900 0.76 | FR   | 1211 2.12 |
| TU   | 1454 2.08 | WE   | 1507 1.36 | TH   | 1545 2.37 | FR   | 1725 1.18 |
|      | 2024 1.13 |      | 2143 2.40 |      | 2211 0.92 |      | 2349 2.41 |
| 3    | 0231 2.02 | 11   | 0503 0.49 | 19   | 0401 1.88 | 27   | 0621 0.52 |
| WE   | 0848 0.79 | TH   | 1130 1.94 | FR   | 0925 0.93 | SA   | 1241 2.21 |
| WE   | 1525 2.08 | TH   | 1559 1.27 | FR   | 1623 2.32 | SA   | 1800 1.11 |
|      | 2121 1.16 |      | 2234 2.50 |      | 2315 0.97 |      |           |
| 4    | 0308 1.88 | 12   | 0543 0.38 | 20   | 0452 1.67 | 28   | 0025 2.43 |
| TH   | 0910 0.92 | FR   | 1208 2.06 | SA   | 0956 1.10 | SU   | 0648 0.52 |
| TH   | 1558 2.07 | FR   | 1647 1.16 | SA   | 1709 2.24 | SU   | 1309 2.26 |
| ●    | 2221 1.18 |      | 2326 2.57 |      |           |      | 1831 1.05 |
| 5    | 0353 1.73 | 13   | 0621 0.33 | 21   | 0039 1.00 | 29   | 0056 2.41 |
| FR   | 0933 1.05 | SA   | 1245 2.16 | SU   | 0621 1.51 | MO   | 0712 0.56 |
| FR   | 1637 2.06 | SA   | 1737 1.06 | SU   | 1047 1.28 | MO   | 1335 2.30 |
|      | 2328 1.18 |      |           |      | 1819 2.17 |      | 1902 1.00 |
| 6    | 0451 1.58 | 14   | 0017 2.59 | 22   | 0221 0.95 | 30   | 0124 2.35 |
| SA   | 1004 1.19 | SU   | 0657 0.33 | MO   | 0907 1.54 | TU   | 0733 0.61 |
| SA   | 1726 2.06 | SU   | 1321 2.25 | MO   | 1221 1.42 | TU   | 1358 2.32 |
|      |           |      | 1831 0.97 |      | 1945 2.16 |      | 1937 0.97 |
| 7    | 0053 1.12 | 15   | 0106 2.56 | 23   | 0342 0.84 | 31   | 0151 2.27 |
| SU   | 0636 1.48 | MO   | 0730 0.38 | TU   | 1023 1.71 | WE   | 0753 0.69 |
| SU   | 1102 1.33 | MO   | 1356 2.32 | TU   | 1405 1.44 | WE   | 1422 2.34 |
|      | 1836 2.09 |      | 1925 0.91 |      | 2100 2.20 |      | 2013 0.96 |
| 8    | 0229 0.99 | 16   | 0151 2.46 | 24   | 0435 0.72 |      |           |
| MO   | 0854 1.54 | TU   | 0803 0.47 | WE   | 1106 1.87 |      |           |
| MO   | 1236 1.41 | TU   | 1432 2.37 | WE   | 1534 1.38 |      |           |
|      | 1952 2.17 |      | 2020 0.88 |      | 2213 2.27 |      |           |

## FEBRUARY

| Time | m         | Time | m         | Time | m         | Time | m         |
|------|-----------|------|-----------|------|-----------|------|-----------|
| 1    | 0220 2.16 | 9    | 0453 0.61 | 17   | 0333 1.94 | 25   | 0600 0.66 |
| TH   | 0810 0.78 | FR   | 1125 2.00 | SA   | 0838 0.98 | SU   | 1217 2.36 |
| TH   | 1446 2.34 | FR   | 1603 1.30 | SA   | 1537 2.45 | SU   | 1758 1.02 |
|      | 2051 0.98 |      | 2237 2.49 |      | 2226 0.95 |      |           |
| 2    | 0250 2.03 | 10   | 0532 0.49 | 18   | 0411 1.71 | 26   | 0014 2.48 |
| FR   | 0824 0.89 | SA   | 1158 2.18 | SU   | 0858 1.16 | MO   | 0621 0.65 |
| FR   | 1512 2.32 | SA   | 1656 1.12 | SU   | 1613 2.27 | MO   | 1241 2.44 |
|      | 2131 1.02 |      | 2334 2.61 |      | 2334 1.10 |      | 1824 0.93 |
| 3    | 0322 1.87 | 11   | 0606 0.43 | 19   | 0510 1.52 | 27   | 0042 2.47 |
| SA   | 0834 1.02 | SU   | 1230 2.36 | MO   | 0917 1.35 | TU   | 0640 0.67 |
| SA   | 1539 2.27 | SU   | 1746 0.94 | MO   | 1711 2.09 | TU   | 1303 2.50 |
| ●    | 2218 1.07 |      |           |      |           |      | 1850 0.85 |
| 4    | 0401 1.71 | 12   | 0021 2.67 | 20   | 0208 1.15 | 28   | 0108 2.43 |
| SU   | 0847 1.15 | MO   | 0637 0.42 | TU   | 1925 2.01 | WE   | 0658 0.72 |
| SU   | 1611 2.21 | MO   | 1301 2.51 |      |           | WE   | 1324 2.54 |
|      | 2320 1.13 |      | 1836 0.78 |      |           |      | 1921 0.81 |
| 5    | 0454 1.54 | 13   | 0103 2.65 | 21   | 0345 1.02 | 29   | 0134 2.36 |
| MO   | 0904 1.29 | TU   | 0706 0.46 | WE   | 1035 1.76 | TH   | 0716 0.78 |
| MO   | 1658 2.15 | TU   | 1332 2.63 | WE   | 1500 1.56 | TH   | 1346 2.55 |
|      |           |      | 1923 0.68 |      | 2123 2.09 |      | 1951 0.79 |
| 6    | 0117 1.13 | 14   | 0142 2.56 | 22   | 0432 0.89 |      |           |
| TU   | 1836 2.11 | WE   | 0735 0.54 | TH   | 1100 1.95 |      |           |
|      |           | WE   | 1405 2.68 | TH   | 1627 1.41 |      |           |
|      |           |      | 2009 0.65 |      | 2230 2.23 |      |           |
| 7    | 0314 0.97 | 15   | 0220 2.39 | 23   | 0506 0.77 |      |           |
| WE   | 1032 1.62 | TH   | 0801 0.67 | FR   | 1126 2.11 |      |           |
| WE   | 1302 1.57 | TH   | 1436 2.67 | FR   | 1703 1.26 |      |           |
|      | 2022 2.20 |      | 2053 0.69 |      | 2310 2.36 |      |           |
| 8    | 0409 0.78 | 16   | 0257 2.17 | 24   | 0534 0.70 |      |           |
| TH   | 1054 1.81 | FR   | 0822 0.82 | SA   | 1152 2.25 |      |           |
| TH   | 1456 1.47 | FR   | 1507 2.59 | SA   | 1732 1.13 |      |           |
|      | 2129 2.35 | ●    | 2138 0.80 | ○    | 2344 2.45 |      |           |

## MARCH

| Time | m         | Time | m         | Time | m         | Time | m         |
|------|-----------|------|-----------|------|-----------|------|-----------|
| 1    | 0201 2.26 | 9    | 0429 0.75 | 17   | 0308 1.97 | 25   | 0521 0.84 |
| FR   | 0732 0.86 | SA   | 1102 2.14 | SU   | 0754 1.10 | MO   | 1141 2.47 |
| FR   | 1408 2.54 | SA   | 1606 1.21 | SU   | 1458 2.46 | MO   | 1736 0.90 |
|      | 2024 0.82 |      | 2239 2.49 | ●    | 2151 0.96 | ○    | 2352 2.46 |
| 2    | 0229 2.13 | 10   | 0503 0.65 | 18   | 0344 1.76 | 26   | 0539 0.83 |
| SA   | 0742 0.96 | SU   | 1131 2.37 | MO   | 0811 1.26 | TU   | 1202 2.56 |
| SA   | 1432 2.49 | SU   | 1656 0.96 | MO   | 1528 2.23 | TU   | 1802 0.79 |
|      | 2057 0.88 | ●    | 2328 2.63 |      | 2249 1.17 |      |           |
| 3    | 0258 1.98 | 11   | 0534 0.59 | 19   | 0439 1.58 | 27   | 0019 2.46 |
| SU   | 0749 1.07 | MO   | 1200 2.58 | TU   | 0820 1.44 | WE   | 0557 0.85 |
| ●    | 1454 2.41 | MO   | 1741 0.74 | TU   | 1618 2.01 | WE   | 1224 2.63 |
|      | 2134 0.98 |      |           |      |           |      | 1829 0.71 |
| 4    | 0331 1.80 | 12   | 0009 2.69 | 20   | 0127 1.28 | 28   | 0045 2.43 |
| MO   | 0759 1.18 | TU   | 0600 0.59 | WE   | 1925 1.92 | TH   | 0615 0.88 |
| MO   | 1519 2.32 | TU   | 1230 2.75 |      |           | TH   | 1245 2.67 |
|      | 2225 1.10 |      | 1825 0.57 |      |           |      | 1858 0.66 |
| 5    | 0414 1.61 | 13   | 0047 2.66 | 21   | 0324 1.17 | 29   | 0112 2.38 |
| TU   | 0814 1.31 | WE   | 0628 0.62 | TH   | 1013 1.85 | FR   | 0635 0.93 |
| TU   | 1558 2.20 | WE   | 1301 2.86 | TH   | 1533 1.54 | FR   | 1309 2.68 |
|      | 2358 1.20 |      | 1907 0.48 |      | 2125 2.04 |      | 1928 0.66 |
| 6    | 1727 2.08 | 14   | 0124 2.56 | 22   | 0405 1.04 | 30   | 0140 2.29 |
| WE   |           | TH   | 0657 0.70 | FR   | 1032 2.03 | SA   | 0652 0.99 |
|      |           | TH   | 1332 2.88 | FR   | 1615 1.36 | SA   | 1332 2.64 |
|      |           |      | 1949 0.49 |      | 2216 2.20 |      | 2000 0.71 |
| 7    | 0250 1.10 | 15   | 0200 2.40 | 23   | 0434 0.94 | 31   | 0210 2.16 |
| TH   | 1035 1.70 | FR   | 0723 0.82 | SA   | 1055 2.20 | SU   | 0703 1.08 |
| TH   | 1303 1.64 | FR   | 1402 2.81 | SA   | 1644 1.19 | SU   | 1356 2.57 |
|      | 2006 2.15 |      | 2029 0.59 |      | 2252 2.33 |      | 2033 0.80 |
| 8    | 0347 0.91 | 16   | 0234 2.19 | 24   | 0459 0.87 |      |           |
| FR   | 1037 1.91 | SA   | 0741 0.95 | SU   | 1118 2.35 |      |           |
| FR   | 1505 1.46 | SA   | 1431 2.66 | SU   | 1710 1.03 |      |           |
|      | 2129 2.32 |      | 2108 0.76 |      | 2323 2.42 |      |           |

## APRIL

| Time | m         | Time | m         | Time | m         | Time | m         |
|------|-----------|------|-----------|------|-----------|------|-----------|
| 1    | 0240 2.01 | 9    | 0445 0.80 | 17   | 0435 1.68 | 25   | 0509 1.02 |
| MO   | 0711 1.16 | TU   | 1122 2.73 | WE   | 0815 1.51 | TH   | 1140 2.67 |
| MO   | 1418 2.47 | TU   | 1724 0.55 | WE   | 1543 1.94 | TH   | 1806 0.60 |
|      | 2110 0.93 | ●    | 2350 2.58 |      | 2353 1.30 |      |           |
| 2    | 0314 1.84 | 10   | 0515 0.79 | 18   | 0914 1.70 | 26   | 0022 2.35 |
| TU   | 0725 1.26 | MO   | 1153 2.88 | TH   | 1225 1.63 | FR   | 0533 1.03 |
| TU   | 1444 2.34 | WE   | 1807 0.42 | TH   | 1900 1.86 | FR   | 1207 2.71 |
| ●    | 2200 1.08 |      |           |      |           |      | 1837 0.56 |
| 3    | 0402 1.67 | 11   | 0027 2.56 | 19   | 0208 1.27 | 27   | 0052 2.31 |
| WE   | 0748 1.39 | TH   | 0548 0.83 | FR   | 0914 1.88 | SA   | 0556 1.06 |
| WE   | 1525 2.18 | TH   | 1226 2.94 | FR   | 1444 1.48 | SA   | 1234 2.70 |
|      | 2324 1.21 |      | 1847 0.38 |      | 2043 1.95 |      | 1909 0.57 |
| 4    | 1727 2.03 | 12   | 0104 2.47 | 20   | 0303 1.19 | 28   | 0123 2.23 |
| TH   |           | FR   | 0619 0.89 | SA   | 0941 2.06 | SU   | 0618 1.11 |
|      |           | FR   | 1259 2.90 | SA   | 1535 1.30 | SU   | 1302 2.65 |
|      |           |      | 1928 0.44 |      | 2144 2.08 |      | 1942 0.63 |
| 5    | 0155 1.17 | 13   | 0139 2.33 | 21   | 0338 1.12 | 29   | 0155 2.12 |
| FR   | 0934 1.78 | SA   | 0644 0.98 | SU   | 1007 2.23 | MO   | 0636 1.17 |
| FR   | 1335 1.57 | SA   | 1330 2.78 | SU   | 1609 1.11 | MO   | 1330 2.56 |
|      | 1954 2.10 |      | 2007 0.57 |      | 2223 2.20 |      | 2018 0.74 |
| 6    | 0301 1.03 | 14   | 0215 2.16 | 22   | 0406 1.07 | 30   | 0230 1.99 |
| SA   | 0950 2.03 | SU   | 0700 1.09 | MO   | 1031 2.37 | TU   | 0654 1.24 |
| SA   | 1500 1.32 | SU   | 1359 2.60 | MO   | 1639 0.94 | TU   | 1358 2.43 |
|      | 2122 2.27 |      | 2045 0.76 |      | 2256 2.29 |      | 2058 0.87 |
| 7    | 0343 0.91 | 15   | 0251 1.98 | 23   | 0428 1.03 |      |           |
| SU   | 1020 2.29 | MO   | 0719 1.21 | TU   | 1054 2.50 |      |           |
| SU   | 1554 1.03 | MO   | 1426 2.38 | TU   | 1708 0.80 |      |           |
|      | 2225 2.43 |      | 2126 0.97 |      | 2325 2.34 |      |           |
| 8    | 0416 0.84 | 16   | 0329 1.81 | 24   | 0448 1.02 |      |           |
| MO   | 1051 2.53 | TU   | 0745 1.35 | WE   | 1116 2.60 |      |           |
| MO   | 1641 0.76 | TU   | 1455 2.16 | WE   | 1736 0.68 |      |           |
|      | 2310 2.54 | ●    | 2219 1.17 | ○    | 2353 2.36 |      |           |

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Datum of Predictions is Lowest Astronomical Tide

Moon Phase Symbols ● New Moon ○ First Quarter ○ Full Moon ● Last Quarter

AUSTRALIA, NORTH COAST – THEVENARD ISLAND

2024

LAT 21° 28' S LONG 115° 01' E

TIMES AND HEIGHTS OF HIGH AND LOW WATERS

TIME ZONE -0800

MAY

JUNE

Table with 4 columns for each month, showing Time, m, and Day/Weekday. Includes moon phase symbols (☉, ☽, ☾, ☽, ☉) and tide data for May and June.

JULY

AUGUST

Table with 4 columns for each month, showing Time, m, and Day/Weekday. Includes moon phase symbols (☽, ☾, ☽, ☉, ☽, ☉, ☽, ☉, ☽, ☉) and tide data for July and August.

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Datum of Predictions is Lowest Astronomical Tide

Moon Phase Symbols ● New Moon ○ First Quarter ○ Full Moon ○ Last Quarter

# AUSTRALIA, NORTH COAST – THEVENARD ISLAND

LAT 21° 28' S LONG 115° 01' E

# 2024

TIMES AND HEIGHTS OF HIGH AND LOW WATERS

TIME ZONE -0800

## SEPTEMBER

## OCTOBER

| Time | m         | Time | m         | Time      | m         | Time      | m         | Time      | m         | Time      | m         | Time      | m         |           |           |
|------|-----------|------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| 1    | 0409 1.15 | 9    | 0147 2.32 | 17        | 0351 0.96 | 25        | 0236 2.25 | 1         | 0428 0.85 | 9         | 0132 2.28 | 17        | 0418 0.50 | 25        | 0239 1.92 |
|      | 1013 2.03 |      | 0805 0.55 |           | 1017 2.21 |           | 0928 0.66 |           | 1037 2.10 |           | 0813 0.54 |           | 1047 2.25 |           | 1002 0.89 |
| SU   | 1642 0.63 | MO   | 1417 1.93 | TU        | 1633 0.52 | WE        | 1531 1.60 | TU        | 1635 0.69 | WE        | 1426 1.80 | TH        | 1616 0.65 | FR        | 1634 1.54 |
|      | 2303 1.95 |      | 1921 0.83 |           | 2303 2.15 | ☾         | 1952 1.07 |           | 2256 2.17 |           | 1850 1.00 | ○         | 2249 2.50 |           | 2015 1.33 |
| 2    | 0446 0.98 | 10   | 0208 2.25 | 18        | 0435 0.70 | 26        | 0307 2.00 | 2         | 0454 0.69 | 10        | 0153 2.17 | 18        | 0500 0.27 | 26        | 0335 1.68 |
|      | 1056 2.17 |      | 0837 0.63 |           | 1106 2.36 |           | 1025 0.89 |           | 1110 2.19 |           | 0848 0.68 |           | 1128 2.32 |           | 1126 1.05 |
| MO   | 1712 0.55 | TU   | 1446 1.78 | WE        | 1703 0.46 | TH        | 1631 1.42 | WE        | 1657 0.67 | TH        | 1501 1.64 | FR        | 1645 0.65 | SA        | 1842 1.57 |
|      | 2331 2.10 |      | 1926 0.93 | ○         | 2332 2.35 | 2015 1.24 |           | 2319 2.28 |           | 1904 1.10 |           | 2322 2.65 |           |           |           |
| 3    | 0515 0.83 | 11   | 0229 2.16 | 19        | 0516 0.46 | 27        | 0358 1.75 | 3         | 0520 0.56 | 11        | 0215 2.04 | 19        | 0541 0.12 | 27        | 0051 1.35 |
|      | 1131 2.26 |      | 0913 0.75 |           | 1147 2.43 |           | 1224 1.04 |           | 1139 2.23 |           | 0933 0.84 |           | 1206 2.32 |           | 0649 1.60 |
| TU   | 1738 0.51 | WE   | 1519 1.62 | TH        | 1729 0.45 | FR        | 2140 1.46 | TH        | 1717 0.67 | FR        | 1550 1.49 | SA        | 1717 0.67 | SU        | 1330 1.06 |
| ☉    | 2357 2.21 | ☉    | 1937 1.03 |           |           |           |           | ☉         | 2341 2.36 | ☉         | 1927 1.22 | ☉         | 2356 2.72 |           | 2020 1.72 |
| 4    | 0542 0.71 | 12   | 0253 2.04 | 20        | 0002 2.52 | 28        | 0029 1.40 | 4         | 0546 0.46 | 12        | 0252 1.88 | 20        | 0622 0.07 | 28        | 0232 1.18 |
|      | 1202 2.30 |      | 1000 0.88 |           | 0558 0.28 |           | 0719 1.66 |           | 1206 2.23 |           | 1048 0.98 |           | 1243 2.25 |           | 0828 1.69 |
| WE   | 1800 0.52 | TH   | 1602 1.44 | FR        | 1225 2.43 | SA        | 1446 0.96 | FR        | 1734 0.69 | SA        | 1738 1.41 | SU        | 1750 0.72 | MO        | 1434 1.01 |
|      |           |      | 1950 1.15 |           | 1756 0.48 | 2140 1.66 |           |           |           | 1950 1.38 |           |           |           | 2108 1.90 |           |
| 5    | 0021 2.28 | 13   | 0328 1.91 | 21        | 0032 2.64 | 29        | 0312 1.23 | 5         | 0001 2.41 | 13        | 0440 1.71 | 21        | 0031 2.70 | 29        | 0322 0.99 |
|      | 0608 0.62 |      | 1122 1.00 |           | 0639 0.18 |           | 0907 1.80 |           | 0612 0.39 |           | 1309 1.00 |           | 0704 0.12 |           | 0931 1.83 |
| TH   | 1230 2.29 | FR   | 1744 1.31 | SA        | 1302 2.35 | SU        | 1536 0.84 | SA        | 1233 2.20 | SU        | 2055 1.58 | MO        | 1321 2.14 | TU        | 1514 0.95 |
|      | 1819 0.55 |      | 1947 1.29 |           | 1826 0.54 | 2204 1.85 |           | 1752 0.73 |           |           |           | 1819 0.80 |           | 2140 2.06 |           |
| 6    | 0043 2.32 | 14   | 0454 1.78 | 22        | 0103 2.67 | 30        | 0357 1.03 | 6         | 0022 2.43 | 14        | 0132 1.34 | 22        | 0105 2.58 | 30        | 0357 0.80 |
|      | 0635 0.56 |      | 1420 0.95 |           | 0721 0.17 |           | 1001 1.96 |           | 0640 0.36 |           | 0734 1.77 |           | 0744 0.25 |           | 1011 1.95 |
| FR   | 1257 2.24 | SA   | 2216 1.51 | SU        | 1338 2.12 | MO        | 1609 0.75 | SU        | 1259 2.14 | MO        | 1427 0.88 | TU        | 1358 1.99 | WE        | 1544 0.92 |
|      | 1837 0.59 |      |           |           | 1854 0.64 | 2230 2.03 |           | 1812 0.78 |           |           |           | 1842 0.90 |           | 2207 2.19 |           |
| 7    | 0104 2.35 | 15   | 0120 1.43 | 23        | 0135 2.61 |           |           | 7         | 0045 2.42 | 15        | 0246 1.07 | 23        | 0138 2.39 | 31        | 0427 0.64 |
|      | 0704 0.52 |      | 0750 1.84 |           | 0803 0.26 |           |           |           | 0710 0.38 |           | 0858 1.94 |           | 0825 0.45 |           | 1044 2.04 |
| SA   | 1323 2.16 | SU   | 1519 0.78 | MO        | 1415 2.02 |           |           | MO        | 1327 2.05 | TU        | 1511 0.77 | WE        | 1438 1.82 | TH        | 1609 0.90 |
|      | 1854 0.66 |      | 2212 1.71 | 1917 0.77 |           |           |           | 1829 0.84 |           | 2144 2.06 |           | 1903 1.02 |           | 2231 2.30 |           |
| 8    | 0125 2.35 | 16   | 0259 1.22 | 24        | 0206 2.46 |           |           | 8         | 0109 2.37 | 16        | 0335 0.77 | 24        | 0208 2.16 |           |           |
|      | 0734 0.52 |      | 0911 2.02 |           | 0844 0.44 |           |           |           | 0740 0.44 |           | 1000 2.12 |           | 0908 0.68 |           |           |
| SU   | 1349 2.06 | MO   | 1559 0.62 | TU        | 1451 1.81 |           |           | TU        | 1356 1.94 | WE        | 1545 0.69 | TH        | 1522 1.66 |           |           |
|      | 1911 0.74 |      | 2235 1.93 | 1932 0.91 |           |           |           | 1841 0.92 |           | 2217 2.30 | ☉         | 1933 1.16 |           |           |           |

## NOVEMBER

## DECEMBER

| Time | m         | Time | m         | Time      | m         | Time      | m         | Time      | m         | Time      | m         | Time      | m         |           |           |
|------|-----------|------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| 1    | 0456 0.50 | 9    | 0207 2.04 | 17        | 0528 0.14 | 25        | 0533 1.59 | 1         | 0504 0.45 | 9         | 0323 1.92 | 17        | 0606 0.27 | 25        | 0511 1.55 |
|      | 1115 2.10 |      | 0919 0.78 |           | 1151 2.16 |           | 1132 1.11 |           | 1125 2.00 |           | 0946 0.85 |           | 1227 2.09 |           | 1043 1.19 |
| FR   | 1629 0.89 | SA   | 1552 1.64 | SU        | 1644 0.89 | MO        | 1838 1.82 | SU        | 1616 1.10 | MO        | 1637 1.94 | TU        | 1715 1.06 | WE        | 1751 1.99 |
| ☉    | 2254 2.39 | ☉    | 1956 1.31 | 2325 2.68 |           |           |           | ☉         | 2242 2.43 |           | 2253 1.19 | ○         | 2358 2.52 |           |           |
| 2    | 0523 0.40 | 10   | 0254 1.87 | 18        | 0610 0.12 | 26        | 0125 1.19 | 2         | 0536 0.37 | 10        | 0438 1.76 | 18        | 0647 0.30 | 26        | 0113 1.12 |
|      | 1143 2.13 |      | 1020 0.92 |           | 1231 2.14 |           | 0712 1.57 |           | 1156 2.03 |           | 1037 0.98 |           | 1307 2.11 |           | 0706 1.49 |
| SA   | 1650 0.89 | SU   | 1715 1.63 | MO        | 1722 0.91 | TU        | 1248 1.16 | MO        | 1647 1.08 | TU        | 1738 2.01 | WE        | 1805 1.05 | TH        | 1146 1.31 |
|      | 2317 2.45 |      | 2302 1.37 |           |           |           | 1937 1.93 |           | 2316 2.47 |           |           |           | 1858 2.03 |           |           |
| 3    | 0551 0.33 | 11   | 0456 1.71 | 19        | 0006 2.62 | 27        | 0232 1.03 | 3         | 0609 0.34 | 11        | 0026 1.07 | 19        | 0044 2.44 | 27        | 0236 0.99 |
|      | 1211 2.12 |      | 1150 1.01 |           | 0652 0.19 |           | 0843 1.64 |           | 1228 2.04 |           | 0609 1.66 |           | 0725 0.38 |           | 0908 1.55 |
| SU   | 1714 0.90 | MO   | 1848 1.76 | TU        | 1310 2.08 | WE        | 1351 1.18 | TU        | 1717 1.07 | WE        | 1142 1.09 | TH        | 1347 2.10 | FR        | 1301 1.38 |
|      | 2344 2.47 |      |           |           | 1758 0.96 | 2024 2.05 |           | 2351 2.46 |           | 1842 2.12 |           | 1854 1.06 |           | 1956 2.11 |           |
| 4    | 0621 0.31 | 12   | 0107 1.21 | 20        | 0045 2.50 | 28        | 0321 0.86 | 4         | 0642 0.35 | 12        | 0144 0.89 | 20        | 0127 2.32 | 28        | 0331 0.84 |
|      | 1240 2.09 |      | 0702 1.71 |           | 0733 0.31 |           | 0942 1.75 |           | 1303 2.03 |           | 0752 1.66 |           | 0801 0.50 |           | 1006 1.67 |
| MO   | 1739 0.93 | TU   | 1316 1.00 | WE        | 1350 2.00 | TH        | 1436 1.17 | WE        | 1750 1.07 | TH        | 1254 1.16 | FR        | 1424 2.08 | SA        | 1410 1.38 |
|      |           |      | 1952 1.97 |           | 1830 1.02 | 2102 2.17 |           |           |           | 1942 2.26 |           | 1944 1.10 |           | 2047 2.20 |           |
| 5    | 0012 2.46 | 13   | 0218 0.94 | 21        | 0123 2.32 | 29        | 0359 0.69 | 5         | 0025 2.42 | 13        | 0251 0.69 | 21        | 0206 2.17 | 29        | 0414 0.70 |
|      | 0652 0.33 |      | 0829 1.82 |           | 0813 0.48 |           | 1021 1.85 |           | 0716 0.39 |           | 0917 1.75 |           | 0833 0.63 |           | 1044 1.79 |
| TU   | 1310 2.03 | WE   | 1411 0.97 | TH        | 1432 1.90 | FR        | 1514 1.15 | TH        | 1338 1.99 | FR        | 1355 1.17 | SA        | 1501 2.05 | SU        | 1507 1.34 |
|      | 1801 0.97 |      | 2041 2.19 |           | 1902 1.11 | 2136 2.28 |           | 1825 1.09 |           | 2036 2.38 |           | 2037 1.14 |           | 2133 2.30 |           |
| 6    | 0040 2.40 | 14   | 0312 0.66 | 22        | 0158 2.12 | 30        | 0432 0.55 | 6         | 0101 2.34 | 14        | 0347 0.50 | 22        | 0241 2.01 | 30        | 0452 0.57 |
|      | 0724 0.40 |      | 0938 1.96 |           | 0853 0.67 |           | 1054 1.94 |           | 0750 0.47 |           | 1016 1.86 |           | 0900 0.77 |           | 1119 1.89 |
| WE   | 1342 1.94 | TH   | 1453 0.93 | FR        | 1519 1.82 | SA        | 1545 1.13 | FR        | 1416 1.96 | SA        | 1448 1.15 | SU        | 1537 2.02 | MO        | 1553 1.28 |
|      | 1822 1.03 |      | 2124 2.39 |           | 1947 1.21 | 2208 2.37 |           | 1907 1.13 |           | 2128 2.49 |           | 2133 1.17 |           | 2218 2.38 |           |
| 7    | 0108 2.31 | 15   | 0400 0.42 | 23        | 0236 1.92 |           |           | 7         | 0139 2.23 | 15        | 0438 0.37 | 23        | 0319 1.85 | 31        | 0528 0.47 |
|      | 0758 0.50 |      | 1028 2.07 |           | 0934 0.84 |           |           |           | 0826 0.57 |           | 1104 1.96 |           | 0927 0.90 |           | 1153 1.98 |
| TH   | 1417 1.83 | FR   | 1531 0.90 | SA        | 1614 1.76 |           |           | SA        | 1458 1.93 | SU        | 1538 1.12 | MO        | 1613 2.00 | TU        | 1632 1.21 |
|      | 1843 1.10 |      | 2205 2.55 | ☉         | 2202 1.30 |           |           | ☉         | 2003 1.18 | ☉         | 2218 2.55 | ☉         | 2233 1.19 | ☉         | 2301 2.45 |
| 8    | 0135 2.19 | 16   | 0445 0.24 | 24        | 0336 1.72 |           |           | 8         | 0224 2.08 | 16        | 0523 0.29 | 24        | 0405 1.69 |           |           |
|      | 0835 0.63 |      | 1111 2.14 |           | 1025 0.99 |           |           |           | 0904 0.70 |           | 1146 2.04 |           | 0959 1.05 |           |           |
| FR   | 1458 1.72 | SA   | 1606 0.89 | SU        | 1727 1.76 |           |           | SU        | 1545 1.92 | MO        | 1626 1.08 | TU        | 1656 1.99 |           |           |
|      | 1910 1.19 | ○    | 2245 2.65 | 2347 1.30 |           |           |           | ☉         | 2120 1.22 |           | 2309 2.56 |           | 2343 1.18 |           |           |

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Datum of Predictions is Lowest Astronomical Tide

Moon Phase Symbols ● New Moon ○ First Quarter ○ Full Moon ○ Last Quarter

# TWO ROCKS MARINA – WESTERN AUSTRALIA

# 2024

LAT 31° 30' S LONG 115° 35' E

TIMES AND HEIGHTS OF HIGH AND LOW WATERS

LOCAL TIME

## JANUARY

## FEBRUARY

| Time | m            | Time         | m  | Time         | m            | Time | m            |              |    |              |              |
|------|--------------|--------------|----|--------------|--------------|------|--------------|--------------|----|--------------|--------------|
| 1    | 0828<br>2304 | 0.24<br>0.70 | 9  | 0452<br>1955 | 0.08<br>0.90 | 17   | 0729<br>1725 | 0.30<br>0.56 | 25 | 0611<br>2110 | 0.11<br>0.84 |
| MO   |              |              | TU |              |              | WE   |              |              | TH |              |              |
| 2    | 0814<br>2302 | 0.27<br>0.63 | 10 | 0524<br>2035 | 0.04<br>0.94 | 18   | 0637<br>1654 | 0.31<br>0.64 | 26 | 0626<br>2140 | 0.14<br>0.82 |
| TU   |              |              | WE |              |              | TH   |              |              | FR |              |              |
| 3    | 0806<br>2159 | 0.30<br>0.57 | 11 | 0601<br>2115 | 0.02<br>0.95 | 19   | 0505<br>1717 | 0.26<br>0.71 | 27 | 0640<br>2206 | 0.17<br>0.79 |
| WE   |              |              | TH |              |              | FR   |              |              | SA |              |              |
| 4    | 0803<br>1746 | 0.32<br>0.59 | 12 | 0640<br>2153 | 0.02<br>0.93 | 20   | 0416<br>1753 | 0.18<br>0.76 | 28 | 0649<br>2225 | 0.21<br>0.75 |
| TH   |              |              | FR |              |              | SA   |              |              | SU |              |              |
| 5    | 0715<br>1744 | 0.33<br>0.65 | 13 | 0716<br>2227 | 0.05<br>0.88 | 21   | 0432<br>1834 | 0.12<br>0.81 | 29 | 0647<br>2242 | 0.24<br>0.69 |
| FR   |              |              | SA |              |              | SU   |              |              | MO |              |              |
| 6    | 0427<br>1808 | 0.29<br>0.72 | 14 | 0747<br>2254 | 0.11<br>0.80 | 22   | 0458<br>1916 | 0.09<br>0.84 | 30 | 0634<br>1334 | 0.27<br>0.45 |
| SA   |              |              | SU |              |              | MO   |              |              | TU |              |              |
| 7    | 0416<br>1840 | 0.22<br>0.79 | 15 | 0809<br>2306 | 0.18<br>0.70 | 23   | 0525<br>1957 | 0.08<br>0.85 | 31 | 0632<br>1354 | 0.29<br>0.51 |
| SU   |              |              | MO |              |              | TU   |              |              | WE |              |              |
| 8    | 0427<br>1916 | 0.14<br>0.85 | 16 | 0804<br>2242 | 0.25<br>0.59 | 24   | 0551<br>2036 | 0.09<br>0.85 |    |              |              |
| MO   |              |              | TU |              |              | WE   |              |              |    |              |              |

| Time | m                            | Time                         | m  | Time                         | m                            | Time | m            |              |    |                              |                              |
|------|------------------------------|------------------------------|----|------------------------------|------------------------------|------|--------------|--------------|----|------------------------------|------------------------------|
| 1    | 0628<br>1422<br>2010<br>2134 | 0.31<br>0.56<br>0.48<br>0.48 | 9  | 0533<br>2117                 | 0.04<br>0.89                 | 17   | 0328<br>1535 | 0.20<br>0.73 | 25 | 0528<br>1128<br>1442<br>2202 | 0.27<br>0.45<br>0.41<br>0.71 |
| TH   |                              |                              | FR |                              |                              | SA   |              |              | SU |                              |                              |
| 2    | 0558<br>1503                 | 0.31<br>0.61                 | 10 | 0602<br>2159                 | 0.08<br>0.85                 | 18   | 0338<br>1653 | 0.15<br>0.75 | 26 | 0519<br>1126<br>1540<br>2225 | 0.30<br>0.49<br>0.41<br>0.66 |
| FR   |                              |                              | SA |                              |                              | SU   |              |              | MO |                              |                              |
| 3    | 0458<br>1600                 | 0.29<br>0.67                 | 11 | 0625<br>2235                 | 0.14<br>0.77                 | 19   | 0402<br>1805 | 0.12<br>0.77 | 27 | 0506<br>1135<br>1635<br>2243 | 0.32<br>0.54<br>0.41<br>0.60 |
| SA   |                              |                              | SU |                              |                              | MO   |              |              | TU |                              |                              |
| 4    | 0340<br>1702                 | 0.23<br>0.73                 | 12 | 0637<br>1305<br>1556<br>2303 | 0.22<br>0.45<br>0.43<br>0.66 | 20   | 0429<br>1903 | 0.12<br>0.78 | 28 | 0505<br>1145<br>1736<br>2257 | 0.34<br>0.59<br>0.41<br>0.53 |
| SU   |                              |                              | MO |                              |                              | TU   |              |              | WE |                              |                              |
| 5    | 0346<br>1800                 | 0.16<br>0.78                 | 13 | 0620<br>1303<br>1730<br>2306 | 0.29<br>0.52<br>0.45<br>0.54 | 21   | 0453<br>1951 | 0.14<br>0.79 | 29 | 0501<br>1157<br>1847<br>2306 | 0.35<br>0.64<br>0.41<br>0.46 |
| MO   |                              |                              | TU |                              |                              | WE   |              |              | TH |                              |                              |
| 6    | 0405<br>1855                 | 0.10<br>0.84                 | 14 | 0550<br>1320                 | 0.33<br>0.59                 | 22   | 0511<br>2031 | 0.16<br>0.78 |    |                              |                              |
| TU   |                              |                              | WE |                              |                              | TH   |              |              |    |                              |                              |
| 7    | 0431<br>1946                 | 0.05<br>0.88                 | 15 | 0501<br>1347                 | 0.32<br>0.65                 | 23   | 0520<br>2105 | 0.19<br>0.77 |    |                              |                              |
| WE   |                              |                              | TH |                              |                              | FR   |              |              |    |                              |                              |
| 8    | 0502<br>2033                 | 0.03<br>0.90                 | 16 | 0403<br>1428                 | 0.27<br>0.70                 | 24   | 0526<br>2136 | 0.23<br>0.74 |    |                              |                              |
| TH   |                              |                              | FR |                              |                              | SA   |              |              |    |                              |                              |

## MARCH

## APRIL

| Time | m            | Time         | m  | Time                         | m                            | Time | m                            |                              |    |                              |                              |
|------|--------------|--------------|----|------------------------------|------------------------------|------|------------------------------|------------------------------|----|------------------------------|------------------------------|
| 1    | 0437<br>1219 | 0.36<br>0.69 | 9  | 0444<br>1153<br>1341<br>2117 | 0.17<br>0.49<br>0.48<br>0.80 | 17   | 0220<br>1317                 | 0.22<br>0.79                 | 25 | 0348<br>1007<br>1547<br>2203 | 0.41<br>0.64<br>0.44<br>0.63 |
| FR   |              |              | SA |                              |                              | SU   |                              |                              | MO |                              |                              |
| 2    | 0401<br>1253 | 0.34<br>0.72 | 10 | 0501<br>1119<br>1508<br>2203 | 0.24<br>0.51<br>0.44<br>0.73 | 18   | 0250<br>1457                 | 0.21<br>0.76                 | 26 | 0335<br>1016<br>1631<br>2237 | 0.43<br>0.69<br>0.41<br>0.58 |
| SA   |              |              | SU |                              |                              | MO   |                              |                              | TU |                              |                              |
| 3    | 0237<br>1345 | 0.28<br>0.74 | 11 | 0505<br>1111<br>1621<br>2246 | 0.32<br>0.57<br>0.41<br>0.63 | 19   | 0318<br>1727                 | 0.21<br>0.75                 | 27 | 0333<br>1026<br>1719<br>2312 | 0.44<br>0.75<br>0.39<br>0.53 |
| SU   |              |              | MO |                              |                              | TU   |                              |                              | WE |                              |                              |
| 4    | 0242<br>1522 | 0.22<br>0.76 | 12 | 0442<br>1118<br>1739<br>2325 | 0.38<br>0.65<br>0.39<br>0.53 | 20   | 0342<br>1842                 | 0.23<br>0.75                 | 28 | 0326<br>1038<br>1814<br>2352 | 0.45<br>0.80<br>0.38<br>0.47 |
| MO   |              |              | TU |                              |                              | WE   |                              |                              | TH |                              |                              |
| 5    | 0301<br>1720 | 0.16<br>0.79 | 13 | 0416<br>1132<br>1922<br>2354 | 0.41<br>0.72<br>0.38<br>0.42 | 21   | 0359<br>1935                 | 0.26<br>0.74                 | 29 | 0303<br>1058<br>1932         | 0.44<br>0.84<br>0.37         |
| TU   |              |              | WE |                              |                              | TH   |                              |                              | FR |                              |                              |
| 6    | 0327<br>1834 | 0.12<br>0.83 | 14 | 0323<br>1148                 | 0.39<br>0.77                 | 22   | 0405<br>2018                 | 0.30<br>0.73                 | 30 | 1125<br>2216                 | 0.86<br>0.35                 |
| WE   |              |              | TH |                              |                              | FR   |                              |                              | SA |                              |                              |
| 7    | 0353<br>1935 | 0.10<br>0.85 | 15 | 0229<br>1208                 | 0.33<br>0.81                 | 23   | 0406<br>1036<br>1411<br>2055 | 0.34<br>0.55<br>0.50<br>0.71 | 31 | 1200                         | 0.87                         |
| TH   |              |              | FR |                              |                              | SA   |                              |                              | SU |                              |                              |
| 8    | 0420<br>2028 | 0.12<br>0.84 | 16 | 0155<br>1237                 | 0.27<br>0.81                 | 24   | 0404<br>1006<br>1503<br>2129 | 0.38<br>0.58<br>0.47<br>0.67 |    |                              |                              |
| FR   |              |              | SA |                              |                              | SU   |                              |                              |    |                              |                              |

| Time | m                            | Time                         | m  | Time                         | m                            | Time | m                            |                              |    |                      |                      |
|------|------------------------------|------------------------------|----|------------------------------|------------------------------|------|------------------------------|------------------------------|----|----------------------|----------------------|
| 1    | 0055<br>1243                 | 0.30<br>0.87                 | 9  | 0258<br>1000<br>1735<br>2322 | 0.50<br>0.83<br>0.38<br>0.54 | 17   | 0217<br>1322                 | 0.35<br>0.77                 | 25 | 0115<br>0937<br>1810 | 0.55<br>0.97<br>0.39 |
| MO   |                              |                              | TU |                              |                              | WE   |                              |                              | TH |                      |                      |
| 2    | 0132<br>1348                 | 0.25<br>0.85                 | 10 | 0229<br>1016<br>1843         | 0.51<br>0.90<br>0.35         | 18   | 0233<br>1209<br>1347<br>1753 | 0.38<br>0.72<br>0.71<br>0.74 | 26 | 0957<br>1907         | 1.00<br>0.37         |
| TU   |                              |                              | WE |                              |                              | TH   |                              |                              | FR |                      |                      |
| 3    | 0204<br>1627                 | 0.22<br>0.83                 | 11 | 1033<br>2003                 | 0.95<br>0.34                 | 19   | 0237<br>1027<br>1425<br>1903 | 0.43<br>0.68<br>0.65<br>0.71 | 27 | 1024<br>2021         | 1.03<br>0.35         |
| WE   |                              |                              | TH |                              |                              | FR   |                              |                              | SA |                      |                      |
| 4    | 0233<br>1808                 | 0.22<br>0.82                 | 12 | 1053<br>2228                 | 0.97<br>0.33                 | 20   | 0236<br>0927<br>1459<br>1959 | 0.47<br>0.70<br>0.59<br>0.69 | 28 | 1055<br>2148         | 1.04<br>0.34         |
| TH   |                              |                              | FR |                              |                              | SA   |                              |                              | SU |                      |                      |
| 5    | 0258<br>1920                 | 0.25<br>0.80                 | 13 | 1117                         | 0.96                         | 21   | 0228<br>0858<br>1533<br>2049 | 0.51<br>0.74<br>0.54<br>0.66 | 29 | 1130<br>2313         | 1.03<br>0.33         |
| FR   |                              |                              | SA |                              |                              | SU   |                              |                              | MO |                      |                      |
| 6    | 0319<br>1020<br>1429<br>2023 | 0.30<br>0.63<br>0.57<br>0.76 | 14 | 0018<br>1144                 | 0.31<br>0.94                 | 22   | 0201<br>0857<br>1608<br>2137 | 0.54<br>0.80<br>0.49<br>0.62 | 30 | 1207                 | 0.99                 |
| SA   |                              |                              | SU |                              |                              | MO   |                              |                              | TU |                      |                      |
| 7    | 0332<br>0954<br>1534<br>2122 | 0.38<br>0.68<br>0.49<br>0.70 | 15 | 0111<br>1214                 | 0.31<br>0.89                 | 23   | 0151<br>0908<br>1644<br>2227 | 0.55<br>0.86<br>0.45<br>0.59 |    |                      |                      |
| SU   |                              |                              | MO |                              |                              | TU   |                              |                              |    |                      |                      |
| 8    | 0327<br>0950<br>1634<br>2220 | 0.45<br>0.75<br>0.43<br>0.62 | 16 | 0150<br>1247                 | 0.32<br>0.83                 | 24   | 0146<br>0921<br>1724<br>2326 | 0.55<br>0.92<br>0.41<br>0.55 |    |                      |                      |
| MO   |                              |                              | TU |                              |                              | WE   |                              |                              |    |                      |                      |

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Datum of Predictions is Lowest Astronomical Tide

Caution: Predictions are of secondary quality

Times are in local standard time (Time Zone UTC +08:00)

Moon Phase Symbols ● New Moon ○ First Quarter ○ Full Moon ● Last Quarter

# TWO ROCKS MARINA – WESTERN AUSTRALIA

LAT 31° 30' S LONG 115° 35' E

# 2024

TIMES AND HEIGHTS OF HIGH AND LOW WATERS

LOCAL TIME

## MAY

## JUNE

| Time    | m   | Time | m                      | Time | m   | Time | m                      | Time | m                      | Time | m                      | Time | m                      |    |                        |  |  |
|---------|---|------|------------------------|------|---|------|------------------------|------|------------------------|------|------------------------|------|------------------------|----|------------------------|--|--|
| 1       | 0013 0.32<br>1249 0.94                              | 9    | 0933 1.10<br>1910 0.34 | 17   | 0042 0.53<br>1021 0.80                              | 25   | 0936 1.15<br>1930 0.35 | 1    | 0801 0.87<br>2303 0.59 | 9    | 1009 1.15<br>2041 0.38 | 17   | 0639 0.94<br>1638 0.54 | 25 | 1040 1.13<br>2039 0.35 |  |  |
| WE<br>☾ |   | TH   |                        | FR   |   | SA   |                        | SA   |                        | SU   |                        | MO   |                        | TU |                        |  |  |
| 2       | 0053 0.34<br>1339 0.86                              | 10   | 0957 1.12<br>2014 0.34 | 18   | 0040 0.57<br>0828 0.82<br>2355 0.60                 | 26   | 1008 1.16<br>2025 0.34 | 2    | 0732 0.93<br>1615 0.58 | 10   | 1035 1.11<br>2116 0.42 | 18   | 0657 1.01<br>1643 0.47 | 26 | 1106 1.06<br>2108 0.40 |  |  |
| TH      |   | FR   |                        | SA   |   | SU   |                        | SU   |                        | MO   |                        | TU   |                        | WE |                        |  |  |
| 3       | 0123 0.38<br>1057 0.78<br>FR 1403 0.76<br>1732 0.78 | 11   | 1022 1.11<br>2127 0.36 | 19   | 0753 0.86<br>1603 0.60<br>SU 1954 0.64<br>2332 0.62 | 27   | 1041 1.14<br>2120 0.34 | 3    | 0731 1.01<br>1640 0.48 | 11   | 1058 1.05<br>2144 0.46 | 19   | 0722 1.06<br>1659 0.41 | 27 | 1121 0.96<br>2120 0.47 |  |  |
| FR      |   | SA   |                        | SU   |   | MO   |                        | MO   |                        | TU   |                        | WE   |                        | TH |                        |  |  |
| 4       | 0143 0.44<br>0908 0.79<br>SA 1452 0.66<br>1908 0.72 | 12   | 1049 1.08<br>2244 0.38 | 20   | 0751 0.92<br>1616 0.53                              | 28   | 1114 1.11<br>2212 0.37 | 4    | 0747 1.08<br>1715 0.40 | 12   | 1115 0.99<br>2203 0.50 | 20   | 0752 1.11<br>1726 0.36 | 28 | 1015 0.86<br>2056 0.53 |  |  |
| SA      |   | SU   |                        | MO   |   | TU   |                        | TU   |                        | WE   |                        | TH   |                        | FR |                        |  |  |
| 5       | 0149 0.52<br>0842 0.84<br>SU 1540 0.56<br>2038 0.66 | 13   | 1115 1.03<br>2344 0.41 | 21   | 0805 0.99<br>1642 0.48                              | 29   | 1143 1.04<br>2255 0.40 | 5    | 0812 1.14<br>1755 0.35 | 13   | 1119 0.92<br>2200 0.55 | 21   | 0823 1.15<br>1802 0.33 | 29 | 0641 0.85<br>2022 0.56 |  |  |
| SU      |   | MO   |                        | TU   |   | WE   |                        | WE   |                        | TH   |                        | FR   |                        | SA |                        |  |  |
| 6       | 0123 0.58<br>0839 0.91<br>MO 1629 0.47<br>2232 0.61 | 14   | 1138 0.97              | 22   | 0822 1.04<br>1715 0.43                              | 30   | 1152 0.95<br>2326 0.46 | 6    | 0839 1.17<br>1836 0.33 | 14   | 1023 0.86<br>2121 0.58 | 22   | 0858 1.18<br>1841 0.31 | 30 | 0608 0.91<br>1654 0.53 |  |  |
| MO      |   | TU   |                        | WE   |   | TH   |                        | TH   |                        | FR   |                        | SA   |                        | SU |                        |  |  |
| 7       | 0048 0.60<br>0852 0.99<br>TU 1720 0.40              | 15   | 0020 0.44<br>1153 0.91 | 23   | 0844 1.09<br>1754 0.39                              | 31   | 1020 0.87<br>2338 0.53 | 7    | 0909 1.19<br>1919 0.34 | 15   | 0733 0.84<br>2107 0.60 | 23   | 0933 1.19<br>1922 0.30 |    |                        |  |  |
| TU      |   | WE   |                        | TH   |   | FR   |                        | FR   |                        | SA   |                        | SU   |                        |    |                        |  |  |
| 8       | 0911 1.06<br>1813 0.35                              | 16   | 0037 0.48<br>1119 0.85 | 24   | 0908 1.13<br>1839 0.36                              |      |                        | 8    | 0940 1.18<br>2001 0.35 | 16   | 0640 0.88<br>1947 0.60 | 24   | 1007 1.17<br>2002 0.32 |    |                        |  |  |
| WE      |   | TH   |                        | FR   |   |      |                        | SA   |                        | SU   |                        | MO   |                        |    |                        |  |  |

## JULY

## AUGUST

| Time | m                      | Time | m   | Time | m                      | Time | m                      | Time | m   | Time | m   | Time | m   |    |                        |  |  |
|------|------------------------|------|---|------|------------------------|------|------------------------|------|---|------|---|------|---|----|------------------------|--|--|
| 1    | 0615 0.99<br>1629 0.43 | 9    | 1028 1.03<br>2000 0.43                              | 17   | 0611 0.98<br>1627 0.36 | 25   | 1103 0.87<br>1929 0.44 | 1    | 0651 1.00<br>1707 0.24                              | 9    | 0051 0.62<br>0442 0.58<br>FR 1048 0.72<br>1800 0.45 | 17   | 0722 0.96<br>1638 0.18                              | 25 | 0103 0.76<br>1516 0.36 |  |  |
| MO   |                        | TU   |   | WE   |                        | TH   |                        | TH   |   | FR   |   | SA   |   | SU |                        |  |  |
| 2    | 0639 1.05<br>1654 0.36 | 10   | 1046 0.97<br>2005 0.47                              | 18   | 0651 1.03<br>1646 0.31 | 26   | 1055 0.76<br>1903 0.48 | 2    | 0738 1.01<br>1735 0.25                              | 10   | 0106 0.67<br>0609 0.59<br>SA 1051 0.65<br>1750 0.46 | 18   | 0811 0.98<br>1705 0.18                              | 26 | 0138 0.80<br>1441 0.28 |  |  |
| TU   |                        | WE   |   | TH   |                        | FR   |                        | FR   |   | SA   |   | SU   |   | MO |                        |  |  |
| 3    | 0712 1.10<br>1726 0.32 | 11   | 1059 0.90<br>1945 0.50                              | 19   | 0734 1.07<br>1713 0.27 | 27   | 0328 0.74<br>1817 0.49 | 3    | 0821 1.01<br>1758 0.27                              | 11   | 0125 0.72<br>1717 0.45                              | 19   | 0857 0.97<br>1732 0.22                              | 27 | 0239 0.82<br>1504 0.22 |  |  |
| WE   |                        | TH   |   | FR   |                        | SA   |                        | SA   |   | SU   |   | MO   |   | TU |                        |  |  |
| 4    | 0748 1.13<br>1759 0.30 | 12   | 1059 0.82<br>1933 0.52                              | 20   | 0816 1.10<br>1745 0.24 | 28   | 0349 0.82<br>1643 0.44 | 4    | 0858 0.99<br>1813 0.30                              | 12   | 0157 0.76<br>1624 0.42                              | 20   | 0940 0.92<br>1752 0.27                              | 28 | 0410 0.83<br>1533 0.19 |  |  |
| TH   |                        | FR   |   | SA   |                        | SU   |                        | SU   |   | MO   |   | TU   |   | WE |                        |  |  |
| 5    | 0825 1.14<br>1831 0.30 | 13   | 0607 0.75<br>0705 0.75<br>SA 0944 0.76<br>1923 0.54 | 21   | 0858 1.12<br>1818 0.24 | 29   | 0427 0.88<br>1550 0.36 | 5    | 0931 0.96<br>1823 0.34                              | 13   | 0257 0.80<br>1524 0.36                              | 21   | 1019 0.84<br>1801 0.34                              | 29 | 0533 0.84<br>1602 0.19 |  |  |
| FR   |                        | SA   |   | SU   |                        | MO   |                        | MO   |   | TU   |   | WE   |   | TH |                        |  |  |
| 6    | 0902 1.14<br>1900 0.32 | 14   | 0439 0.80<br>1835 0.53                              | 22   | 0938 1.10<br>1850 0.26 | 30   | 0513 0.94<br>1608 0.29 | 6    | 1000 0.92<br>1830 0.38                              | 14   | 0417 0.84<br>1532 0.30                              | 22   | 0016 0.57<br>0406 0.52<br>TH 1055 0.74<br>1745 0.40 | 30 | 0639 0.84<br>1628 0.21 |  |  |
| SA   |                        | SU   |   | MO   |                        | TU   |                        | TU   |   | WE   |   | TH   |   | FR |                        |  |  |
| 7    | 0936 1.11<br>1925 0.35 | 15   | 0501 0.86<br>1632 0.49                              | 23   | 1014 1.06<br>1917 0.31 | 31   | 0602 0.98<br>1637 0.25 | 7    | 1022 0.86<br>1823 0.41                              | 15   | 0528 0.88<br>1548 0.24                              | 23   | 0024 0.64<br>0535 0.51<br>FR 1115 0.61<br>1720 0.44 | 31 | 0731 0.84<br>1646 0.23 |  |  |
| SU   |                        | MO   |   | TU   |                        | WE   |                        | WE   |   | TH   |   | FR   |   | SA |                        |  |  |
| 8    | 1005 1.08<br>1944 0.39 | 16   | 0534 0.92<br>1616 0.43                              | 24   | 1044 0.98<br>1935 0.37 |      |                        | 8    | 0042 0.58<br>0318 0.56<br>TH 1037 0.80<br>1805 0.44 | 16   | 0628 0.92<br>1611 0.20                              | 24   | 0041 0.71<br>1623 0.42                              |    |                        |  |  |
| MO   |                        | TU   |   | WE   |                        |      |                        | TH   |   | FR   |   | SA   |   |    |                        |  |  |

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Datum of Predictions is Lowest Astronomical Tide

Caution: Predictions are of secondary quality

Times are in local standard time (Time Zone UTC +08:00)

Moon Phase Symbols ● New Moon ○ First Quarter ○ Full Moon ● Last Quarter

# TWO ROCKS MARINA – WESTERN AUSTRALIA

LAT 31° 30' S LONG 115° 35' E

# 2024

TIMES AND HEIGHTS OF HIGH AND LOW WATERS

LOCAL TIME

## SEPTEMBER

## OCTOBER

| Time | m  | Time | m                                   | Time | m  | Time | m  |
|------|--|------|-------------------------------------|------|--|------|--|
| 1    | 0814 0.82<br>1655 0.27                           | 9    | 1511 0.37                           | 17   | 0149 0.48<br>0854 0.76<br>1624 0.26<br>2238 0.54 | 25   | 0046 0.79<br>1415 0.16                           |
| SU   |  | MO   |                                     | TU   |  | WE   |  |
| 2    | 0851 0.80<br>1659 0.31<br>2327 0.49              | 10   | 0017 0.76<br>1407 0.31              | 18   | 0308 0.43<br>0944 0.69<br>1625 0.33<br>2237 0.60 | 26   | 0144 0.74<br>1447 0.16                           |
| MO   |  | TU   |                                     | WE   |  | TH   |  |
| 3    | 0145 0.48<br>0923 0.76<br>1658 0.35<br>2252 0.53 | 11   | 0102 0.77<br>1416 0.25              | 19   | 0419 0.38<br>1032 0.60<br>1605 0.39<br>2247 0.67 | 27   | 0454 0.70<br>1512 0.19                           |
| TU   |  | WE   |                                     | TH   |  | FR   |  |
| 4    | 0250 0.46<br>0953 0.71<br>1643 0.38<br>2254 0.57 | 12   | 0215 0.77<br>1435 0.20              | 20   | 0537 0.35<br>1121 0.49<br>1537 0.41<br>2300 0.74 | 28   | 0616 0.69<br>1528 0.23                           |
| WE   |  | TH   |                                     | FR   |  | SA   |  |
| 5    | 0344 0.45<br>1019 0.66<br>1629 0.40<br>2303 0.62 | 13   | 0439 0.78<br>1457 0.16              | 21   | 0714 0.32<br>1218 0.38<br>1425 0.37<br>2316 0.79 | 29   | 0714 0.67<br>1532 0.27<br>2240 0.50              |
| TH   |  | FR   |                                     | SA   |  | SU   |  |
| 6    | 0437 0.43<br>1039 0.59<br>1626 0.40<br>2310 0.67 | 14   | 0603 0.80<br>1522 0.15              | 22   | 1052 0.29<br>2338 0.82                           | 30   | 0152 0.49<br>0800 0.64<br>1532 0.31<br>2156 0.52 |
| FR   |  | SA   |                                     | SU   |  | MO   |  |
| 7    | 0534 0.42<br>1051 0.53<br>1615 0.41<br>2322 0.71 | 15   | 0707 0.82<br>1546 0.16              | 23   | 1250 0.22  |      |  |
| SA   |  | SU   |                                     | MO   |  |      |  |
| 8    | 0641 0.42<br>1057 0.46<br>1551 0.39<br>2344 0.74 | 16   | 0802 0.81<br>1609 0.20<br>2304 0.51 | 24   | 0007 0.81<br>1338 0.18                           |      |  |
| SU   |  | MO   |                                     | TU   |  |      |  |

| Time | m  | Time | m  | Time | m  | Time | m  |
|------|--|------|--|------|--|------|--|
| 1    | 0242 0.44<br>0840 0.61<br>1526 0.35<br>2134 0.56 | 9    | 1217 0.22  | 17   | 0423 0.29<br>1007 0.48<br>1420 0.39<br>2132 0.75 | 25   | 0017 0.71<br>1347 0.20                           |
| TU   |  | WE   |  | TH   |  | FR   |  |
| 2    | 0322 0.40<br>0917 0.57<br>1504 0.37<br>2138 0.62 | 10   | 0009 0.79<br>1257 0.18                           | 18   | 0523 0.23<br>1128 0.40<br>1341 0.39<br>2149 0.81 | 26   | 0016 0.64<br>1401 0.24<br>2318 0.58              |
| WE   |  | TH   |  | FR   |  | SA   |  |
| 3    | 0359 0.36<br>0953 0.52<br>1452 0.38<br>2147 0.67 | 11   | 0101 0.76<br>1329 0.15                           | 19   | 0629 0.19<br>2208 0.86                           | 27   | 0304 0.56<br>0524 0.57<br>1403 0.29<br>2138 0.55 |
| TH   |  | FR   |  | SA   |  | SU   |  |
| 4    | 0437 0.33<br>1030 0.47<br>1449 0.38<br>2156 0.71 | 12   | 0248 0.71<br>1356 0.14                           | 20   | 0748 0.17<br>2230 0.88                           | 28   | 0253 0.49<br>0643 0.53<br>1400 0.33<br>2055 0.58 |
| FR   |  | SA   |  | SU   |  | MO   |  |
| 5    | 0519 0.30<br>1109 0.42<br>1433 0.38<br>2209 0.75 | 13   | 0530 0.69<br>1421 0.17<br>2243 0.55              | 21   | 0941 0.16<br>2255 0.87                           | 29   | 0314 0.42<br>0746 0.49<br>1345 0.37<br>2032 0.62 |
| SA   |  | SU   |  | MO   |  | TU   |  |
| 6    | 0610 0.29<br>1159 0.37<br>1412 0.36<br>2229 0.78 | 14   | 0113 0.55<br>0649 0.66<br>1441 0.22<br>2140 0.56 | 22   | 1134 0.15<br>2324 0.83                           | 30   | 0342 0.36<br>0842 0.46<br>1311 0.39<br>2033 0.68 |
| SU   |  | MO   |  | TU   |  | WE   |  |
| 7    | 0724 0.28<br>2256 0.80                           | 15   | 0230 0.46<br>0756 0.62<br>1452 0.28<br>2120 0.60 | 23   | 1236 0.15<br>2352 0.78                           | 31   | 0414 0.31<br>0937 0.42<br>1303 0.39<br>2045 0.73 |
| MO   |  | TU   |  | WE   |  | TH   |  |
| 8    | 0941 0.26<br>2329 0.80                           | 16   | 0327 0.37<br>0901 0.55<br>1444 0.35<br>2120 0.67 | 24   | 1318 0.17  |      |  |
| TU   |  | WE   |  | TH   |  |      |  |

## NOVEMBER

## DECEMBER

| Time | m  | Time | m  | Time | m                      | Time | m  |
|------|--|------|--|------|------------------------|------|--|
| 1    | 0447 0.26<br>1034 0.39<br>1243 0.38<br>2058 0.78 | 9    | 0012 0.76<br>1212 0.16                           | 17   | 0654 0.09<br>2140 0.94 | 25   | 1154 0.35<br>2004 0.61                           |
| FR   |  | SA   |  | SU   |                        | MO   |  |
| 2    | 0522 0.23<br>2114 0.82                           | 10   | 0016 0.68<br>1243 0.20<br>2222 0.60              | 18   | 0756 0.09<br>2208 0.93 | 26   | 0424 0.41<br>0555 0.41<br>1042 0.38<br>1934 0.66 |
| SA   |  | SU   |  | MO   |                        | TU   |  |
| 3    | 0603 0.20<br>2134 0.85                           | 11   | 1303 0.26<br>2037 0.61                           | 19   | 0904 0.11<br>2235 0.89 | 27   | 0422 0.34<br>1932 0.72                           |
| SU   |  | MO   |  | TU   |                        | WE   |  |
| 4    | 0655 0.19<br>2200 0.87                           | 12   | 0256 0.46<br>0637 0.50<br>1306 0.32<br>2013 0.66 | 20   | 1014 0.14<br>2301 0.84 | 28   | 0431 0.28<br>1947 0.77                           |
| MO   |  | TU   |  | WE   |                        | TH   |  |
| 5    | 0759 0.18<br>2231 0.87                           | 13   | 0333 0.34<br>0821 0.44<br>1240 0.38<br>2014 0.74 | 21   | 1112 0.18<br>2321 0.77 | 29   | 0448 0.22<br>2006 0.82                           |
| TU   |  | WE   |  | TH   |                        | FR   |  |
| 6    | 0916 0.16<br>2304 0.85                           | 14   | 0417 0.24<br>2028 0.82                           | 22   | 1149 0.22<br>2328 0.70 | 30   | 0513 0.18<br>2028 0.86                           |
| WE   |  | TH   |  | FR   |                        | SA   |  |
| 7    | 1031 0.15<br>2338 0.82                           | 15   | 0505 0.16<br>2049 0.89                           | 23   | 1204 0.26<br>2245 0.63 |      |  |
| TH   |  | FR   |  | SA   |                        |      |  |
| 8    | 1130 0.15  | 16   | 0558 0.11<br>2114 0.93                           | 24   | 1208 0.31<br>2140 0.59 |      |  |
| FR   |  | SA   |  | SU   |                        |      |  |

| Time | m                      | Time | m                      | Time | m                      | Time | m                      |
|------|------------------------|------|------------------------|------|------------------------|------|------------------------|
| 1    | 0545 0.15<br>2052 0.89 | 9    | 1039 0.29<br>1938 0.62 | 17   | 0739 0.08<br>2203 0.92 | 25   | 0602 0.32<br>1821 0.69 |
| SU   |                        | MO   |                        | TU   |                        | WE   |                        |
| 2    | 0624 0.13<br>2120 0.91 | 10   | 1009 0.34<br>1906 0.68 | 18   | 0816 0.12<br>2229 0.87 | 26   | 0436 0.26<br>1842 0.75 |
| MO   |                        | TU   |                        | WE   |                        | TH   |                        |
| 3    | 0707 0.11<br>2151 0.92 | 11   | 0408 0.32<br>1907 0.76 | 19   | 0848 0.16<br>2250 0.81 | 27   | 0445 0.20<br>1910 0.80 |
| TU   |                        | WE   |                        | TH   |                        | FR   |                        |
| 4    | 0754 0.11<br>2223 0.90 | 12   | 0425 0.21<br>1926 0.84 | 20   | 0911 0.21<br>2303 0.74 | 28   | 0500 0.15<br>1941 0.85 |
| WE   |                        | TH   |                        | FR   |                        | SA   |                        |
| 5    | 0843 0.11<br>2253 0.87 | 13   | 0456 0.13<br>1953 0.90 | 21   | 0922 0.26<br>2301 0.66 | 29   | 0520 0.12<br>2014 0.89 |
| TH   |                        | FR   |                        | SA   |                        | SU   |                        |
| 6    | 0928 0.13<br>2321 0.81 | 14   | 0534 0.07<br>2024 0.94 | 22   | 0854 0.30<br>2201 0.60 | 30   | 0547 0.09<br>2048 0.91 |
| FR   |                        | SA   |                        | SU   |                        | MO   |                        |
| 7    | 1008 0.17<br>2331 0.72 | 15   | 0616 0.05<br>2058 0.96 | 23   | 0825 0.33<br>1913 0.58 | 31   | 0619 0.07<br>2122 0.92 |
| SA   |                        | SU   |                        | MO   |                        | TU   |                        |
| 8    | 1036 0.22<br>2216 0.63 | 16   | 0658 0.05<br>2132 0.95 | 24   | 0754 0.34<br>1821 0.63 |      |                        |
| SU   |                        | MO   |                        | TU   |                        |      |                        |

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Datum of Predictions is Lowest Astronomical Tide

Caution: Predictions are of secondary quality

Times are in local standard time (Time Zone UTC +08:00)

Moon Phase Symbols ● New Moon      ◐ First Quarter      ○ Full Moon      ◑ Last Quarter

### WOODBIDGE - SWAN RIVER

LAT 31°53' S LONG 115°59' E TIME ZONE -0800

TIMES AND HEIGHTS OF HIGH AND LOW WATERS

#### JANUARY - 2024

| Time            | m  | Time            | m  | Time            | m                            | Time            | m  |
|-----------------|--|-----------------|--|-----------------|------------------------------|-----------------|--|
| <b>01</b><br>MO | 0139<br>1103<br>0.89<br>0.43                 | <b>09</b><br>TU | 0911<br>2243<br>0.32<br>1.09                 | <b>17</b><br>WE | 0958<br>1826<br>0.44<br>0.80 | <b>25</b><br>TH | 1002<br>2354<br>0.38<br>1.07                 |
| <b>02</b><br>TU | 0116<br>1032<br>0.83<br>0.45                 | <b>10</b><br>WE | 0945<br>2328<br>0.28<br>1.11                 | <b>18</b><br>TH | 0915<br>1851<br>0.42<br>0.88 | <b>26</b><br>FR | 1013<br>0.38                                 |
| <b>03</b><br>WE | 0019<br>1015<br>2004<br>0.78<br>0.46<br>0.78 | <b>11</b><br>TH | 1016<br>0.26                                 | <b>19</b><br>FR | 0800<br>1920<br>0.37<br>0.94 | <b>27</b><br>SA | 0027<br>1023<br>1.04<br>0.39                 |
| <b>04</b><br>TH | 0949<br>1933<br>0.46<br>0.84                 | <b>12</b><br>FR | 0009<br>1045<br>1.11<br>0.26                 | <b>20</b><br>SA | 0804<br>1955<br>0.31<br>1.00 | <b>28</b><br>SU | 0053<br>1028<br>0.98<br>0.40                 |
| <b>05</b><br>FR | 0932<br>1950<br>0.46<br>0.90                 | <b>13</b><br>SA | 0047<br>1107<br>1.08<br>0.28                 | <b>21</b><br>SU | 0831<br>2041<br>0.29<br>1.03 | <b>29</b><br>MO | 0110<br>0955<br>0.91<br>0.43                 |
| <b>06</b><br>SA | 0850<br>2021<br>0.46<br>0.96                 | <b>14</b><br>SU | 0122<br>1119<br>1.02<br>0.32                 | <b>22</b><br>MO | 0901<br>2137<br>0.30<br>1.06 | <b>30</b><br>TU | 0115<br>0930<br>0.83<br>0.44                 |
| <b>07</b><br>SU | 0815<br>2102<br>0.42<br>1.02                 | <b>15</b><br>MO | 0146<br>1114<br>0.91<br>0.37                 | <b>23</b><br>TU | 0929<br>2230<br>0.33<br>1.08 | <b>31</b><br>WE | 0108<br>0914<br>0.76<br>0.45<br>1651<br>0.78 |
| <b>08</b><br>MO | 0838<br>2153<br>0.37<br>1.06                 | <b>16</b><br>TU | 0144<br>1046<br>1804<br>0.79<br>0.42<br>0.72 | <b>24</b><br>WE | 0949<br>2316<br>0.36<br>1.08 |                 |  |

### WOODBIDGE - SWAN RIVER

LAT 31°53' S LONG 115°59' E TIME ZONE -0800

TIMES AND HEIGHTS OF HIGH AND LOW WATERS

#### FEBRUARY - 2024

| Time            | m                            | Time            | m  | Time            | m  | Time            | m  |
|-----------------|------------------------------|-----------------|--|-----------------|--|-----------------|--|
| <b>01</b><br>TH | 0852<br>1700<br>0.45<br>0.85 | <b>09</b><br>FR | 0944<br>2358<br>0.31<br>1.12                                 | <b>17</b><br>SA | 0657<br>1800<br>0.35<br>1.02                 | <b>25</b><br>SU | 0010<br>0859<br>1503<br>1845<br>1.00<br>0.47<br>0.74<br>0.66 |
| <b>02</b><br>FR | 0845<br>1707<br>0.46<br>0.92 | <b>10</b><br>SA | 1002<br>0.32   | <b>18</b><br>SU | 0729<br>1848<br>0.35<br>1.05                 | <b>26</b><br>MO | 0033<br>0822<br>1505<br>1928<br>0.92<br>0.48<br>0.75<br>0.64 |
| <b>03</b><br>SA | 0828<br>1730<br>0.48<br>0.98 | <b>11</b><br>SU | 0034<br>1008<br>1.05<br>0.36                                 | <b>19</b><br>MO | 0803<br>2015<br>0.38<br>1.06                 | <b>27</b><br>TU | 0049<br>0812<br>1505<br>2010<br>0.84<br>0.49<br>0.79<br>0.63 |
| <b>04</b><br>SU | 0741<br>1816<br>0.47<br>1.03 | <b>12</b><br>MO | 0104<br>0952<br>1555<br>1929<br>0.93<br>0.40<br>0.69<br>0.61 | <b>20</b><br>TU | 0831<br>2140<br>0.42<br>1.08                 | <b>28</b><br>WE | 0103<br>0758<br>1500<br>2055<br>0.77<br>0.50<br>0.85<br>0.64 |
| <b>05</b><br>MO | 0744<br>1940<br>0.44<br>1.07 | <b>13</b><br>TU | 0115<br>0920<br>1614<br>2103<br>0.79<br>0.44<br>0.76<br>0.61 | <b>21</b><br>WE | 0850<br>2230<br>0.46<br>1.09                 | <b>29</b><br>TH | 0121<br>0746<br>1455<br>0.71<br>0.50<br>0.93                 |
| <b>06</b><br>TU | 0814<br>2143<br>0.40<br>1.11 | <b>14</b><br>WE | 0054<br>0842<br>1637<br>0.66<br>0.45<br>0.84                 | <b>22</b><br>TH | 0857<br>2308<br>0.48<br>1.09                 |                 |  |
| <b>07</b><br>WE | 0847<br>2235<br>0.36<br>1.14 | <b>15</b><br>TH | 0802<br>1702<br>0.43<br>0.92                                 | <b>23</b><br>FR | 0900<br>2342<br>0.48<br>1.06                 |                 |  |
| <b>08</b><br>TH | 0918<br>2318<br>0.32<br>1.15 | <b>16</b><br>FR | 0652<br>1729<br>0.38<br>0.98                                 | <b>24</b><br>SA | 0907<br>1450<br>1756<br>0.47<br>0.74<br>0.68 |                 |  |

### WOODBIDGE - SWAN RIVER

LAT 31°53' S LONG 115°59' E TIME ZONE -0800

TIMES AND HEIGHTS OF HIGH AND LOW WATERS

#### MARCH - 2024

| Time            | m                            | Time            | m  | Time            | m  | Time            | m  |
|-----------------|------------------------------|-----------------|--|-----------------|--|-----------------|--|
| <b>01</b><br>FR | 0745<br>1512<br>0.52<br>1.00 | <b>09</b><br>SA | 0815<br>2351<br>0.43<br>1.06                                 | <b>17</b><br>SU | 0553<br>1622<br>0.44<br>1.11                                 | <b>25</b><br>MO | 0644<br>1333<br>1858<br>0.57<br>0.86<br>0.65                 |
| <b>02</b><br>SA | 0731<br>1539<br>0.55<br>1.06 | <b>10</b><br>SU | 0815<br>1414<br>1818<br>0.45<br>0.74<br>0.63                 | <b>18</b><br>MO | 0635<br>1721<br>0.48<br>1.09                                 | <b>26</b><br>TU | 0025<br>0638<br>1334<br>1939<br>0.85<br>0.58<br>0.90<br>0.63 |
| <b>03</b><br>SU | 0644<br>1615<br>0.56<br>1.10 | <b>11</b><br>MO | 0036<br>0803<br>1428<br>1931<br>0.93<br>0.48<br>0.79<br>0.58 | <b>19</b><br>TU | 0704<br>1956<br>0.53<br>1.07                                 | <b>27</b><br>WE | 0057<br>0632<br>1333<br>2026<br>0.78<br>0.58<br>0.97<br>0.62 |
| <b>04</b><br>MO | 0559<br>1706<br>0.54<br>1.11 | <b>12</b><br>TU | 0130<br>0745<br>1446<br>2040<br>0.79<br>0.51<br>0.86<br>0.57 | <b>20</b><br>WE | 0714<br>2129<br>1.07   | <b>28</b><br>TH | 0139<br>0637<br>1345<br>2231<br>0.73<br>0.60<br>1.04<br>0.63 |
| <b>05</b><br>TU | 0637<br>1854<br>0.51<br>1.11 | <b>13</b><br>WE | 0056<br>0705<br>1507<br>0.64<br>0.51<br>0.94                 | <b>21</b><br>TH | 0708<br>2213<br>1.07   | <b>29</b><br>FR | 0306<br>0644<br>1408<br>0.69<br>0.63<br>1.11                 |
| <b>06</b><br>WE | 0713<br>2124<br>0.48<br>1.14 | <b>14</b><br>TH | 0634<br>1526<br>0.49<br>1.01                                 | <b>22</b><br>FR | 0657<br>2249<br>0.60<br>1.05                                 | <b>30</b><br>SA | 0005<br>1436<br>0.63<br>1.16                                 |
| <b>07</b><br>TH | 0741<br>2220<br>0.45<br>1.15 | <b>15</b><br>FR | 0334<br>1539<br>0.44<br>1.07                                 | <b>23</b><br>SA | 0647<br>1321<br>1731<br>2322<br>0.58<br>0.84<br>0.74<br>1.00 | <b>31</b><br>SU | 0123<br>1508<br>0.63<br>1.18                                 |
| <b>08</b><br>FR | 0801<br>2306<br>0.43<br>1.13 | <b>16</b><br>SA | 0441<br>1552<br>1.10   | <b>24</b><br>SU | 0645<br>1330<br>1816<br>2354<br>0.57<br>0.84<br>0.69<br>0.93 |                 |  |

### WOODBIDGE - SWAN RIVER

LAT 31°53' S LONG 115°59' E TIME ZONE -0800

TIMES AND HEIGHTS OF HIGH AND LOW WATERS

#### APRIL - 2024

| Time            | m  | Time            | m  | Time            | m  | Time            | m  |
|-----------------|--|-----------------|--|-----------------|--|-----------------|--|
| <b>01</b><br>MO | 0330<br>1545<br>0.62<br>1.19                                 | <b>09</b><br>TU | 0122<br>0608<br>1324<br>2048<br>0.80<br>0.62<br>1.00<br>0.56 | <b>17</b><br>WE | 0515<br>1659<br>0.67<br>1.07                                 | <b>25</b><br>TH | 0204<br>0528<br>1243<br>2207<br>0.79<br>0.72<br>1.16<br>0.64 |
| <b>02</b><br>TU | 0424<br>1642<br>0.60<br>1.17                                 | <b>10</b><br>WE | 0226<br>0531<br>1345<br>2355<br>0.69<br>0.62<br>1.07<br>0.53 | <b>18</b><br>TH | 0514<br>2042<br>0.69<br>1.03                                 | <b>26</b><br>FR | 1314<br>2312<br>1.21<br>0.64                                 |
| <b>03</b><br>WE | 0504<br>1848<br>0.58<br>1.13                                 | <b>11</b><br>TH | 1402<br>1.13   | <b>19</b><br>FR | 0506<br>2136<br>0.69<br>1.01                                 | <b>27</b><br>SA | 1348<br>1.25   |
| <b>04</b><br>TH | 0534<br>2056<br>0.56<br>1.12                                 | <b>12</b><br>FR | 0138<br>1415<br>1.18   | <b>20</b><br>SA | 0508<br>1153<br>1723<br>2222<br>0.68<br>0.96<br>0.83<br>0.96 | <b>28</b><br>SU | 0011<br>1423<br>1.27   |
| <b>05</b><br>FR | 0556<br>2204<br>0.55<br>1.10                                 | <b>13</b><br>SA | 0241<br>1433<br>1.21   | <b>21</b><br>SU | 0509<br>1155<br>1802<br>2312<br>0.68<br>0.98<br>0.76<br>0.91 | <b>29</b><br>MO | 0116<br>1458<br>1.26   |
| <b>06</b><br>SA | 0612<br>1237<br>1703<br>2306<br>0.54<br>0.85<br>0.76<br>1.03 | <b>14</b><br>SU | 0338<br>1500<br>0.53<br>1.21                                 | <b>22</b><br>MO | 0504<br>1158<br>1843<br>0.68<br>1.01<br>0.71                 | <b>30</b><br>TU | 0231<br>1534<br>1.23   |
| <b>07</b><br>SU | 0622<br>1245<br>1816<br>0.56<br>0.88<br>0.67                 | <b>15</b><br>MO | 0429<br>1530<br>0.58<br>1.18                                 | <b>23</b><br>TU | 0009<br>0503<br>1205<br>1931<br>0.86<br>0.68<br>1.05<br>0.67 |                 |  |
| <b>08</b><br>MO | 0013<br>0623<br>1302<br>1920<br>0.93<br>0.59<br>0.94<br>0.60 | <b>16</b><br>TU | 0501<br>1606<br>0.63<br>1.13                                 | <b>24</b><br>WE | 0109<br>0513<br>1220<br>2045<br>0.82<br>0.70<br>1.10<br>0.65 |                 |  |

Datum of predictions is Woodbridge, (Fremantle, LWM 1949) which is 9.151 m below benchmark PWD WA, A 639.

### WOODBIDGE - SWAN RIVER

LAT 31°53' S LONG 115°59' E TIME ZONE -0800

TIMES AND HEIGHTS OF HIGH AND LOW WATERS

#### MAY - 2024

| Time  | m                            | Time                                | m            | Time  | m                            | Time                                | m            |
|---|------------------------------|-------------------------------------|--------------|---|------------------------------|-------------------------------------|--------------|
| <b>01</b><br>0329<br>1633<br>WE<br>             | 0.65<br>1.18                 | <b>09</b><br>1249<br>2356<br>TH     | 1.23<br>0.52 | <b>17</b><br>0335<br>1107<br>FR                 | 0.76<br>1.02                 | <b>25</b><br>1305<br>2336<br>SA     | 1.32<br>0.64 |
| <b>02</b><br>0405<br>1831<br>TH                 | 0.65<br>1.11                 | <b>10</b><br>1311<br>FR             | 1.27         | <b>18</b><br>0337<br>1030<br>SA                 | 0.77<br>1.05                 | <b>26</b><br>1345<br>SU             | 1.32         |
| <b>03</b><br>0427<br>2022<br>FR                 | 0.65<br>1.04                 | <b>11</b><br>0053<br>1336<br>SA     | 0.54<br>1.29 | <b>19</b><br>0320<br>1023<br>SU                 | 0.78<br>1.08                 | <b>27</b><br>0021<br>1422<br>MO     | 0.64<br>1.31 |
| <b>04</b><br>0438<br>1100<br>1656<br>2201<br>SA | 0.66<br>0.97<br>0.84<br>0.97 | <b>12</b><br>0147<br>1404<br>SU     | 0.59<br>1.29 | <b>20</b><br>0311<br>1028<br>1900<br>2349<br>MO | 0.78<br>1.12<br>0.78<br>0.85 | <b>28</b><br>0109<br>1457<br>TU     | 0.65<br>1.28 |
| <b>05</b><br>0446<br>1109<br>1805<br>2338<br>SU | 0.67<br>1.02<br>0.73<br>0.89 | <b>13</b><br>0238<br>1433<br>MO     | 0.65<br>1.26 | <b>21</b><br>0328<br>1046<br>1956<br>TU         | 0.79<br>1.17<br>0.73         | <b>29</b><br>0158<br>1527<br>WE     | 0.67<br>1.21 |
| <b>06</b><br>0450<br>1130<br>1924<br>MO         | 0.71<br>1.08<br>0.65         | <b>14</b><br>0316<br>1458<br>TU     | 0.70<br>1.21 | <b>22</b><br>1114<br>2107<br>WE                 | 1.22<br>0.69                 | <b>30</b><br>0239<br>1546<br>TH     | 0.69<br>1.12 |
| <b>07</b><br>0055<br>0431<br>1158<br>2116<br>TU | 0.82<br>0.74<br>1.13<br>0.58 | <b>15</b><br>0336<br>1515<br>WE<br> | 0.73<br>1.15 | <b>23</b><br>1146<br>2204<br>TH<br>             | 1.26<br>0.67                 | <b>31</b><br>0258<br>1530<br>FR<br> | 0.72<br>1.01 |
| <b>08</b><br>1224<br>2248<br>WE<br>             | 1.19<br>0.53                 | <b>16</b><br>0335<br>1514<br>TH     | 0.75<br>1.08 | <b>24</b><br>1225<br>2252<br>FR                 | 1.29<br>0.65                 |                                     |              |

### WOODBIDGE - SWAN RIVER

LAT 31°53' S LONG 115°59' E TIME ZONE -0800

TIMES AND HEIGHTS OF HIGH AND LOW WATERS

#### JUNE - 2024

| Time                                    | m                    | Time  | m                    | Time                                | m            | Time  | m                    |
|---|----------------------|---|----------------------|-------------------------------------|--------------|---|----------------------|
| <b>01</b><br>0256<br>0928<br>SA         | 0.74<br>1.03         | <b>09</b><br>0015<br>1323<br>SU             | 0.61<br>1.32         | <b>17</b><br>0909<br>2024<br>MO     | 1.15<br>0.80 | <b>25</b><br>0012<br>1412<br>TU             | 0.62<br>1.28         |
| <b>02</b><br>0300<br>0936<br>1839<br>SU | 0.77<br>1.09<br>0.78 | <b>10</b><br>0044<br>1352<br>MO             | 0.66<br>1.29         | <b>18</b><br>0934<br>2024<br>TU     | 1.21<br>0.75 | <b>26</b><br>0045<br>1441<br>WE             | 0.64<br>1.20         |
| <b>03</b><br>0959<br>2003<br>MO         | 1.16<br>0.68         | <b>11</b><br>0057<br>1414<br>TU             | 0.70<br>1.24         | <b>19</b><br>1011<br>2104<br>WE     | 1.25<br>0.71 | <b>27</b><br>0107<br>1450<br>TH             | 0.68<br>1.10         |
| <b>04</b><br>1028<br>2116<br>TU         | 1.21<br>0.60         | <b>12</b><br>0103<br>1426<br>WE             | 0.73<br>1.18         | <b>20</b><br>1055<br>2145<br>TH     | 1.29<br>0.67 | <b>28</b><br>0102<br>1434<br>FR             | 0.72<br>0.99         |
| <b>05</b><br>1101<br>2210<br>WE         | 1.26<br>0.55         | <b>13</b><br>0117<br>1425<br>TH             | 0.76<br>1.12         | <b>21</b><br>1140<br>2224<br>FR     | 1.32<br>0.64 | <b>29</b><br>0038<br>0757<br>2241<br>SA<br> | 0.76<br>1.00<br>0.77 |
| <b>06</b><br>1138<br>2257<br>TH<br>     | 1.29<br>0.54         | <b>14</b><br>0122<br>1346<br>FR<br>2343<br> | 0.78<br>1.06<br>0.80 | <b>22</b><br>1222<br>2301<br>SA<br> | 1.34<br>0.62 | <b>30</b><br>0810<br>2018<br>SU             | 1.07<br>0.73         |
| <b>07</b><br>1215<br>2339<br>FR         | 1.31<br>0.56         | <b>15</b><br>0915<br>2342<br>SA             | 1.05<br>0.80         | <b>23</b><br>1301<br>2337<br>SU     | 1.34<br>0.61 |   |                      |
| <b>08</b><br>1250<br>SA                 | 1.32                 | <b>16</b><br>0901<br>2332<br>SU             | 1.10<br>0.81         | <b>24</b><br>1338<br>MO             | 1.33         |   |                      |

### WOODBIDGE - SWAN RIVER

LAT 31°53' S LONG 115°59' E TIME ZONE -0800

TIMES AND HEIGHTS OF HIGH AND LOW WATERS

#### JULY - 2024

| Time                                | m            | Time                                | m            | Time                                | m            | Time                                | m            |
|-------------------------------------|--------------|-------------------------------------|--------------|-------------------------------------|--------------|-------------------------------------|--------------|
| <b>01</b><br>0833<br>2017<br>MO     | 1.15<br>0.65 | <b>09</b><br>1338<br>2351<br>TU     | 1.21<br>0.69 | <b>17</b><br>0858<br>2019<br>WE     | 1.20<br>0.69 | <b>25</b><br>1411<br>2258<br>TH     | 1.01<br>0.69 |
| <b>02</b><br>0903<br>2052<br>TU     | 1.21<br>0.60 | <b>10</b><br>1351<br>2348<br>WE     | 1.14<br>0.72 | <b>18</b><br>0957<br>2057<br>TH     | 1.24<br>0.65 | <b>26</b><br>1401<br>2138<br>FR     | 0.89<br>0.71 |
| <b>03</b><br>0943<br>2131<br>WE     | 1.25<br>0.57 | <b>11</b><br>1355<br>2225<br>TH     | 1.07<br>0.74 | <b>19</b><br>1048<br>2135<br>FR     | 1.27<br>0.61 | <b>27</b><br>0555<br>2048<br>SA     | 0.92<br>0.69 |
| <b>04</b><br>1032<br>2210<br>TH     | 1.28<br>0.57 | <b>12</b><br>1349<br>2205<br>FR     | 1.01<br>0.74 | <b>20</b><br>1132<br>2212<br>SA     | 1.30<br>0.58 | <b>28</b><br>0623<br>1919<br>SU<br> | 1.00<br>0.64 |
| <b>05</b><br>1123<br>2245<br>FR     | 1.30<br>0.59 | <b>13</b><br>0738<br>2139<br>SA     | 0.95<br>0.74 | <b>21</b><br>1212<br>2245<br>SU<br> | 1.30<br>0.56 | <b>29</b><br>0654<br>1926<br>MO     | 1.07<br>0.58 |
| <b>06</b><br>1207<br>2314<br>SA<br> | 1.30<br>0.61 | <b>14</b><br>0713<br>2117<br>SU<br> | 1.01<br>0.75 | <b>22</b><br>1247<br>2315<br>MO     | 1.28<br>0.57 | <b>30</b><br>0730<br>2002<br>TU     | 1.12<br>0.56 |
| <b>07</b><br>1245<br>2332<br>SU     | 1.29<br>0.64 | <b>15</b><br>0731<br>2031<br>MO     | 1.08<br>0.75 | <b>23</b><br>1322<br>2336<br>TU     | 1.23<br>0.60 | <b>31</b><br>0820<br>2041<br>WE     | 1.16<br>0.56 |
| <b>08</b><br>1315<br>2344<br>MO     | 1.26<br>0.67 | <b>16</b><br>0806<br>1955<br>TU     | 1.14<br>0.73 | <b>24</b><br>1353<br>2341<br>WE     | 1.13<br>0.64 |                                     |              |

### WOODBIDGE - SWAN RIVER

LAT 31°53' S LONG 115°59' E TIME ZONE -0800

TIMES AND HEIGHTS OF HIGH AND LOW WATERS

#### AUGUST - 2024

| Time                                | m            | Time  | m                            | Time  | m                            | Time                                | m            |
|-------------------------------------|--------------|---|------------------------------|---|------------------------------|-------------------------------------|--------------|
| <b>01</b><br>0930<br>2117<br>TH     | 1.19<br>0.58 | <b>09</b><br>0355<br>0828<br>1338<br>2040<br>FR | 0.81<br>0.76<br>0.89<br>0.67 | <b>17</b><br>1034<br>2100<br>SA                 | 1.19<br>0.56                 | <b>25</b><br>0416<br>1618<br>SU     | 0.94<br>0.54 |
| <b>02</b><br>1032<br>2148<br>FR     | 1.21<br>0.60 | <b>10</b><br>0349<br>0925<br>1349<br>2014<br>SA | 0.86<br>0.77<br>0.84<br>0.67 | <b>18</b><br>1117<br>2130<br>SU                 | 1.20<br>0.54                 | <b>26</b><br>0450<br>1737<br>MO<br> | 0.99<br>0.50 |
| <b>03</b><br>1122<br>2210<br>SA     | 1.22<br>0.62 | <b>11</b><br>0308<br>2000<br>SU                 | 0.93<br>0.68                 | <b>19</b><br>1157<br>2152<br>MO                 | 1.18<br>0.54                 | <b>27</b><br>0531<br>1844<br>TU     | 1.03<br>0.50 |
| <b>04</b><br>1202<br>2221<br>SU<br> | 1.21<br>0.63 | <b>12</b><br>0343<br>1932<br>MO<br>             | 1.00<br>0.69                 | <b>20</b><br>1236<br>2201<br>TU<br>             | 1.12<br>0.57                 | <b>28</b><br>0627<br>1929<br>WE     | 1.05<br>0.52 |
| <b>05</b><br>1235<br>2228<br>MO     | 1.17<br>0.64 | <b>13</b><br>0433<br>1851<br>TU                 | 1.05<br>0.68                 | <b>21</b><br>0242<br>0537<br>1316<br>2129<br>WE | 0.69<br>0.64<br>1.01<br>0.61 | <b>29</b><br>0755<br>2005<br>TH     | 1.05<br>0.56 |
| <b>06</b><br>1302<br>2232<br>TU     | 1.11<br>0.65 | <b>14</b><br>0541<br>1909<br>WE                 | 1.09<br>0.66                 | <b>22</b><br>0257<br>0655<br>1402<br>2036<br>TH | 0.73<br>0.62<br>0.88<br>0.63 | <b>30</b><br>0943<br>2032<br>FR     | 1.07<br>0.60 |
| <b>07</b><br>1321<br>2127<br>WE     | 1.04<br>0.67 | <b>15</b><br>0729<br>1945<br>TH                 | 1.11<br>0.63                 | <b>23</b><br>0320<br>0832<br>1523<br>1952<br>FR | 0.79<br>0.63<br>0.75<br>0.62 | <b>31</b><br>1034<br>2041<br>SA     | 1.08<br>0.62 |
| <b>08</b><br>1330<br>2100<br>TH     | 0.96<br>0.67 | <b>16</b><br>0943<br>2024<br>FR                 | 1.16<br>0.59                 | <b>24</b><br>0347<br>1918<br>SA                 | 0.86<br>0.60                 |                                     |              |

Datum of predictions is Woodbridge, (Fremantle, LWM 1949) which is 9.151 m below benchmark PWD WA, A 639.



### WOODBIDGE - SWAN RIVER

LAT 31°53' S LONG 115°59' E TIME ZONE -0800

TIMES AND HEIGHTS OF HIGH AND LOW WATERS

#### SEPTEMBER - 2024

| Time            | m  | Time            | m                            | Time            | m                            | Time            | m  |
|-----------------|--|-----------------|------------------------------|-----------------|------------------------------|-----------------|--|
| <b>01</b><br>SU | 1116<br>2036<br>1.07<br>0.63                                 | <b>09</b><br>MO | 0212<br>1231<br>0.98<br>0.63 | <b>17</b><br>TU | 0056<br>0438<br>0.70<br>0.61 | <b>25</b><br>WE | 0326<br>1742<br>0.99<br>0.48                                 |
| <b>02</b><br>MO | 0115<br>0445<br>1153<br>2028<br>0.75<br>0.68<br>1.04<br>0.62 | <b>10</b><br>TU | 0245<br>1621<br>1.02<br>0.63 | <b>18</b><br>WE | 0105<br>0558<br>0.71<br>0.54 | <b>26</b><br>TH | 0456<br>1823<br>0.95<br>0.53                                 |
| <b>03</b><br>TU | 0131<br>0540<br>1226<br>1953<br>0.75<br>0.64<br>0.98<br>0.61 | <b>11</b><br>WE | 0323<br>1714<br>1.04<br>0.62 | <b>19</b><br>TH | 0118<br>0715<br>0.75<br>0.49 | <b>27</b><br>FR | 0725<br>1839<br>0.92<br>0.57                                 |
| <b>04</b><br>WE | 0145<br>0630<br>1255<br>1941<br>0.75<br>0.62<br>0.91<br>0.60 | <b>12</b><br>TH | 0415<br>1800<br>1.04<br>0.60 | <b>20</b><br>FR | 0131<br>0832<br>0.81<br>0.46 | <b>28</b><br>SA | 0934<br>1835<br>0.91<br>0.60                                 |
| <b>05</b><br>TH | 0145<br>0715<br>1322<br>1933<br>0.76<br>0.60<br>0.83<br>0.60 | <b>13</b><br>FR | 0555<br>1838<br>1.02<br>0.57 | <b>21</b><br>SA | 0133<br>1049<br>0.88<br>0.45 | <b>29</b><br>SU | 0004<br>0352<br>1022<br>1822<br>0.77<br>0.72<br>0.90<br>0.60 |
| <b>06</b><br>FR | 0122<br>0800<br>1345<br>1916<br>0.80<br>0.59<br>0.76<br>0.61 | <b>14</b><br>SA | 0910<br>1906<br>1.03<br>0.54 | <b>22</b><br>SU | 0144<br>1415<br>0.95<br>0.43 | <b>30</b><br>MO | 0000<br>0446<br>1105<br>1813<br>0.77<br>0.65<br>0.87<br>0.58 |
| <b>07</b><br>SA | 0122<br>0844<br>1409<br>1907<br>0.86<br>0.59<br>0.71<br>0.61 | <b>15</b><br>SU | 1010<br>1926<br>1.05<br>0.52 | <b>23</b><br>MO | 0208<br>1525<br>0.99<br>0.42 |                 |  |
| <b>08</b><br>SU | 0143<br>0932<br>0.93<br>0.61                                 | <b>16</b><br>MO | 1101<br>1936<br>1.03<br>0.52 | <b>24</b><br>TU | 0243<br>1633<br>1.01<br>0.44 |                 |  |

### WOODBIDGE - SWAN RIVER

LAT 31°53' S LONG 115°59' E TIME ZONE -0800

TIMES AND HEIGHTS OF HIGH AND LOW WATERS

#### OCTOBER - 2024

| Time            | m  | Time            | m  | Time            | m                            | Time            | m  |
|-----------------|--|-----------------|--|-----------------|------------------------------|-----------------|--|
| <b>01</b><br>TU | 0010<br>0532<br>1149<br>1812<br>0.78<br>0.58<br>0.82<br>0.56 | <b>09</b><br>WE | 0212<br>1327<br>1.02<br>0.54                                 | <b>17</b><br>TH | 0716<br>1343<br>0.39<br>0.66 | <b>25</b><br>FR | 0316<br>1651<br>0.88<br>0.54                                 |
| <b>02</b><br>WE | 0015<br>0614<br>1235<br>1811<br>0.78<br>0.53<br>0.77<br>0.56 | <b>10</b><br>TH | 0243<br>1537<br>1.01<br>0.55                                 | <b>18</b><br>FR | 0012<br>0858<br>0.87<br>0.34 | <b>26</b><br>SA | 0041<br>1656<br>0.81<br>0.57                                 |
| <b>03</b><br>TH | 0012<br>0654<br>1322<br>1805<br>0.80<br>0.49<br>0.71<br>0.56 | <b>11</b><br>FR | 0324<br>1640<br>0.97<br>0.54                                 | <b>19</b><br>SA | 0028<br>1031<br>0.93<br>0.30 | <b>27</b><br>SU | 1644<br>2256<br>0.58<br>0.80                                 |
| <b>04</b><br>FR | 0010<br>0738<br>1409<br>1803<br>0.83<br>0.47<br>0.67<br>0.57 | <b>12</b><br>SA | 0533<br>1715<br>0.92<br>0.52                                 | <b>20</b><br>SU | 0043<br>1149<br>0.98<br>0.29 | <b>28</b><br>MO | 0526<br>0946<br>1639<br>2257<br>0.64<br>0.70<br>0.57<br>0.82 |
| <b>05</b><br>SA | 0020<br>0830<br>1456<br>1810<br>0.89<br>0.46<br>0.65<br>0.59 | <b>13</b><br>SU | 0810<br>1735<br>0.89<br>0.50                                 | <b>21</b><br>MO | 0105<br>1309<br>1.01<br>0.32 | <b>29</b><br>TU | 0550<br>1108<br>1635<br>2259<br>0.57<br>0.66<br>0.57<br>0.84 |
| <b>06</b><br>SU | 0041<br>1008<br>0.94<br>0.47                                 | <b>14</b><br>MO | 0333<br>0941<br>1747<br>2329<br>0.69<br>0.85<br>0.50<br>0.75 | <b>22</b><br>TU | 0136<br>1425<br>1.02<br>0.38 | <b>30</b><br>WE | 0623<br>1218<br>1624<br>2300<br>0.51<br>0.64<br>0.57<br>0.86 |
| <b>07</b><br>MO | 0110<br>1121<br>0.98<br>0.48                                 | <b>15</b><br>TU | 0456<br>1109<br>1754<br>2337<br>0.58<br>0.80<br>0.51<br>0.77 | <b>23</b><br>WE | 0212<br>1531<br>0.99<br>0.44 | <b>31</b><br>TH | 0705<br>1316<br>1629<br>2310<br>0.46<br>0.62<br>0.57<br>0.89 |
| <b>08</b><br>TU | 0141<br>1220<br>1.01<br>0.51                                 | <b>16</b><br>WE | 0605<br>1234<br>1754<br>2353<br>0.47<br>0.74<br>0.54<br>0.82 | <b>24</b><br>TH | 0246<br>1623<br>0.95<br>0.50 |                 |  |

### WOODBIDGE - SWAN RIVER

LAT 31°53' S LONG 115°59' E TIME ZONE -0800

TIMES AND HEIGHTS OF HIGH AND LOW WATERS

#### NOVEMBER - 2024

| Time            | m                            | Time            | m  | Time            | m  | Time            | m                            |
|-----------------|------------------------------|-----------------|--|-----------------|--|-----------------|------------------------------|
| <b>01</b><br>FR | 0804<br>2326<br>0.42<br>0.93 | <b>09</b><br>SA | 0237<br>1525<br>0.90<br>0.50                                 | <b>17</b><br>SU | 1103<br>0.20                                 | <b>25</b><br>MO | 1142<br>2146<br>0.53<br>0.83 |
| <b>02</b><br>SA | 0909<br>2347<br>0.39<br>0.97 | <b>10</b><br>SU | 0038<br>1555<br>2249<br>0.81<br>0.51<br>0.76                 | <b>18</b><br>MO | 0020<br>1146<br>1.03<br>0.23                 | <b>26</b><br>TU | 1125<br>2145<br>0.52<br>0.87 |
| <b>03</b><br>SU | 1001<br>0.38                 | <b>11</b><br>MO | 1559<br>2205<br>0.52<br>0.78                                 | <b>19</b><br>TU | 0052<br>1222<br>1.03<br>0.30                 | <b>27</b><br>WE | 0732<br>2153<br>0.50<br>0.91 |
| <b>04</b><br>MO | 0018<br>1047<br>1.00<br>0.38 | <b>12</b><br>TU | 0505<br>0921<br>1603<br>2214<br>0.57<br>0.64<br>0.54<br>0.83 | <b>20</b><br>WE | 0126<br>1245<br>1.01<br>0.38                 | <b>28</b><br>TH | 0754<br>2211<br>0.45<br>0.95 |
| <b>05</b><br>TU | 0054<br>1131<br>1.01<br>0.40 | <b>13</b><br>WE | 0604<br>2234<br>0.46<br>0.89                                 | <b>21</b><br>TH | 0154<br>1253<br>0.96<br>0.45                 | <b>29</b><br>FR | 0837<br>2236<br>0.40<br>0.98 |
| <b>06</b><br>WE | 0129<br>1217<br>1.01<br>0.43 | <b>14</b><br>TH | 0731<br>2300<br>0.36<br>0.94                                 | <b>22</b><br>FR | 0213<br>1302<br>0.90<br>0.50                 | <b>30</b><br>SA | 0918<br>2306<br>0.37<br>1.01 |
| <b>07</b><br>TH | 0157<br>1309<br>0.99<br>0.46 | <b>15</b><br>FR | 0906<br>2327<br>0.27<br>0.98                                 | <b>23</b><br>SA | 0205<br>1306<br>0.83<br>0.53                 |                 |                              |
| <b>08</b><br>FR | 0215<br>1418<br>0.95<br>0.49 | <b>16</b><br>SA | 1013<br>2353<br>1.02   | <b>24</b><br>SU | 0000<br>1145<br>2157<br>0.79<br>0.54<br>0.80 |                 |                              |

### WOODBIDGE - SWAN RIVER

LAT 31°53' S LONG 115°59' E TIME ZONE -0800

TIMES AND HEIGHTS OF HIGH AND LOW WATERS

#### DECEMBER - 2024

| Time            | m  | Time            | m                            | Time            | m  | Time            | m                            |
|-----------------|--|-----------------|------------------------------|-----------------|--|-----------------|------------------------------|
| <b>01</b><br>SU | 0956<br>2343<br>0.34<br>1.02                 | <b>09</b><br>MO | 1132<br>2036<br>0.49<br>0.79 | <b>17</b><br>TU | 0022<br>1124<br>1.06<br>0.26                 | <b>25</b><br>WE | 0922<br>2034<br>0.44<br>0.93 |
| <b>02</b><br>MO | 1030<br>0.33                                 | <b>10</b><br>TU | 1101<br>2049<br>0.50<br>0.86 | <b>18</b><br>WE | 0055<br>1141<br>1.03<br>0.32                 | <b>26</b><br>TH | 0846<br>2103<br>0.43<br>0.98 |
| <b>03</b><br>TU | 0024<br>1104<br>1.03<br>0.34                 | <b>11</b><br>WE | 0702<br>2115<br>0.45<br>0.93 | <b>19</b><br>TH | 0120<br>1146<br>0.98<br>0.38                 | <b>27</b><br>FR | 0833<br>2143<br>0.41<br>1.02 |
| <b>04</b><br>WE | 0104<br>1137<br>1.02<br>0.35                 | <b>12</b><br>TH | 0807<br>2145<br>0.35<br>0.99 | <b>20</b><br>FR | 0134<br>1144<br>0.92<br>0.42                 | <b>28</b><br>SA | 0856<br>2228<br>0.38<br>1.05 |
| <b>05</b><br>TH | 0140<br>1209<br>1.00<br>0.38                 | <b>13</b><br>FR | 0857<br>2220<br>0.26<br>1.03 | <b>21</b><br>SA | 0132<br>1113<br>0.85<br>0.45                 | <b>29</b><br>SU | 0928<br>2313<br>0.34<br>1.07 |
| <b>06</b><br>FR | 0206<br>1233<br>0.96<br>0.41                 | <b>14</b><br>SA | 0941<br>2300<br>0.21<br>1.06 | <b>22</b><br>SU | 0026<br>1035<br>2044<br>0.79<br>0.45<br>0.77 | <b>30</b><br>MO | 1000<br>2352<br>0.32<br>1.07 |
| <b>07</b><br>SA | 0212<br>1232<br>0.89<br>0.45                 | <b>15</b><br>SU | 1021<br>2342<br>0.19<br>1.07 | <b>23</b><br>MO | 1020<br>2024<br>0.45<br>0.82                 | <b>31</b><br>TU | 1031<br>0.31                 |
| <b>08</b><br>SU | 0200<br>1209<br>2140<br>0.81<br>0.48<br>0.74 | <b>16</b><br>MO | 1056<br>0.21                 | <b>24</b><br>TU | 0958<br>2020<br>0.44<br>0.87                 |                 |                              |

Datum of predictions is Woodbridge, (Fremantle, LWM 1949) which is 9.151 m below benchmark PWD WA, A 639.

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# AUSTRALIA, NORTH COAST – WYNDHAM

LAT 15° 27' S LONG 128° 06' E

# 2024

TIMES AND HEIGHTS OF HIGH AND LOW WATERS

TIME ZONE -0800

## JANUARY

## FEBRUARY

| Time | m         | Time | m         | Time | m         | Time | m         | Time | m         | Time | m         | Time | m         | Time | m         |
|------|-----------|------|-----------|------|-----------|------|-----------|------|-----------|------|-----------|------|-----------|------|-----------|
| 1    | 0433 2.66 | 9    | 0439 6.05 | 17   | 0538 1.69 | 25   | 0139 2.71 | 1    | 0503 1.87 | 9    | 0115 2.85 | 17   | 0610 1.39 | 25   | 0230 2.15 |
|      | 0952 6.50 |      | 1130 1.38 |      | 1115 7.09 |      | 0648 6.45 |      | 1045 6.94 |      | 0623 6.67 |      | 1234 6.93 |      | 0754 7.27 |
| MO   | 1613 1.79 | TU   | 1816 7.68 | WE   | 1731 1.91 | TH   | 1327 1.19 | TH   | 1655 2.30 | FR   | 1310 0.89 | SA   | 1825 3.53 | SU   | 1427 1.33 |
|      | 2320 7.68 |      |           |      | 2329 7.98 |      | 1955 8.00 |      | 2247 7.70 |      | 1936 8.19 |      | 2347 6.86 |      | 2026 7.99 |
| 2    | 0501 2.57 | 10   | 0030 3.18 | 18   | 0616 1.61 | 26   | 0219 2.53 | 2    | 0530 1.85 | 10   | 0201 2.43 | 18   | 0646 1.85 | 26   | 0257 2.05 |
|      | 1029 6.39 |      | 0538 6.30 |      | 1210 6.88 |      | 0730 6.69 |      | 1121 6.75 |      | 0712 7.14 |      | 1345 6.55 |      | 0823 7.43 |
| TU   | 1641 2.11 | WE   | 1226 0.98 | TH   | 1814 2.59 | FR   | 1407 1.15 | FR   | 1726 2.81 | SA   | 1400 0.59 | SU   | 1930 4.23 | MO   | 1455 1.42 |
|      | 2258 7.57 |      | 1906 8.01 | ●    |           | ○    | 2027 8.00 |      | 2309 7.30 | ●    | 2015 8.25 |      | 2047 8.04 |      |           |
| 3    | 0532 2.48 | 11   | 0123 2.88 | 19   | 0004 7.60 | 27   | 0253 2.47 | 3    | 0558 1.93 | 11   | 0245 2.07 | 19   | 0037 6.01 | 27   | 0323 1.86 |
|      | 1110 6.25 |      | 0628 6.58 |      | 0658 1.63 |      | 0805 6.86 |      | 1203 6.50 |      | 0757 7.50 |      | 0752 2.41 |      | 0853 7.54 |
| WE   | 1715 2.51 | TH   | 1317 0.68 | FR   | 1315 6.69 | SA   | 1441 1.21 | SA   | 1803 3.41 | SU   | 1445 0.48 | MO   | 1534 6.46 | TU   | 1521 1.53 |
|      | 2329 7.33 | ●    | 1951 8.16 | ○    | 1905 3.30 |      | 2055 7.97 | ●    | 2335 6.78 | ●    | 2049 8.28 |      | 2205 4.32 |      | 2108 8.10 |
| 4    | 0608 2.44 | 12   | 0212 2.66 | 20   | 0046 7.05 | 28   | 0323 2.43 | 4    | 0633 2.11 | 12   | 0325 1.70 | 20   | 0246 5.34 | 28   | 0347 1.63 |
|      | 1159 6.07 |      | 0714 6.84 |      | 0750 1.74 |      | 0837 6.97 |      | 1311 6.28 |      | 0843 7.76 |      | 0956 2.62 |      | 0923 7.61 |
| TH   | 1755 3.02 | FR   | 1405 0.51 | SA   | 1437 6.62 | SU   | 1511 1.32 | SU   | 1900 4.07 | MO   | 1526 0.56 | TU   | 1715 6.91 | WE   | 1545 1.70 |
| ●    |           |      | 2032 8.22 |      | 2025 3.88 |      | 2118 7.98 |      |           |      | 2121 8.28 |      | 2350 3.60 |      | 2130 8.08 |
| 5    | 0004 6.97 | 13   | 0257 2.47 | 21   | 0149 6.42 | 29   | 0350 2.35 | 5    | 0015 6.16 | 13   | 0402 1.34 | 21   | 0500 5.58 | 29   | 0411 1.44 |
|      | 0651 2.43 |      | 0800 7.07 |      | 0902 1.85 |      | 0909 7.06 |      | 0730 2.36 |      | 0929 7.87 |      | 1135 2.27 |      | 0954 7.58 |
| FR   | 1305 5.95 | SA   | 1450 0.47 | SU   | 1606 6.83 | MO   | 1537 1.47 | MO   | 1502 6.33 | TU   | 1603 0.87 | WE   | 1815 7.45 | TH   | 1611 1.97 |
|      | 1848 3.58 |      | 2111 8.24 |      | 2215 3.99 |      | 2141 8.01 |      | 2122 4.39 |      | 2152 8.28 |      |           |      | 2151 7.96 |
| 6    | 0048 6.52 | 14   | 0340 2.27 | 22   | 0320 5.99 | 30   | 0415 2.18 | 6    | 0151 5.55 | 14   | 0437 1.08 | 22   | 0044 2.88 |      |           |
|      | 0749 2.41 |      | 0846 7.24 |      | 1024 1.81 |      | 0940 7.10 |      | 0935 2.37 |      | 1015 7.84 |      | 0605 6.19 |      |           |
| SA   | 1434 6.06 | SU   | 1533 0.57 | MO   | 1728 7.26 | TU   | 1602 1.65 | TU   | 1648 6.85 | WE   | 1639 1.39 | TH   | 1234 1.78 |      |           |
|      | 2018 4.03 |      | 2146 8.25 |      | 2349 3.58 |      | 2202 8.02 |      | 2302 3.96 |      | 2222 8.25 |      | 1858 7.79 |      |           |
| 7    | 0158 6.12 | 15   | 0420 2.04 | 23   | 0449 5.94 | 31   | 0439 1.99 | 7    | 0411 5.61 | 15   | 0510 1.00 | 23   | 0124 2.43 |      |           |
|      | 0915 2.24 |      | 0935 7.30 |      | 1140 1.60 |      | 1013 7.07 |      | 1100 1.91 |      | 1059 7.67 |      | 0649 6.70 |      |           |
| SU   | 1605 6.50 | MO   | 1614 0.85 | TU   | 1829 7.68 | WE   | 1628 1.91 | WE   | 1759 7.51 | TH   | 1713 2.06 | FR   | 1318 1.46 |      |           |
|      | 2215 3.95 |      | 2220 8.24 |      |           |      | 2225 7.94 |      |           |      | 2251 8.04 |      | 1932 7.94 |      |           |
| 8    | 0327 5.94 | 16   | 0500 1.84 | 24   | 0051 3.06 |      |           | 8    | 0018 3.37 | 16   | 0540 1.10 | 24   | 0159 2.23 |      |           |
|      | 1029 1.84 |      | 1025 7.25 |      | 0557 6.17 |      |           |      | 0527 6.11 |      | 1144 7.34 |      | 0724 7.04 |      |           |
| MO   | 1718 7.13 | TU   | 1653 1.31 | WE   | 1240 1.34 |      |           | TH   | 1210 1.36 | FR   | 1745 2.79 | SA   | 1355 1.32 |      |           |
|      | 2329 3.57 |      | 2254 8.17 |      | 1916 7.92 |      |           |      | 1851 7.98 | ●    | 2318 7.56 | ○    | 2001 7.97 |      |           |

## MARCH

## APRIL

| Time | m         | Time | m         | Time | m         | Time | m         | Time | m         | Time | m         | Time | m         | Time | m         |
|------|-----------|------|-----------|------|-----------|------|-----------|------|-----------|------|-----------|------|-----------|------|-----------|
| 1    | 0433 1.37 | 9    | 0057 2.51 | 17   | 0528 1.35 | 25   | 0156 1.78 | 1    | 0445 1.39 | 9    | 0153 0.95 | 17   | 0611 3.03 | 25   | 0215 0.90 |
|      | 1022 7.46 |      | 0616 7.03 |      | 1158 7.08 |      | 0734 7.62 |      | 1058 7.25 |      | 0733 8.14 |      | 1344 6.20 |      | 0815 7.98 |
| FR   | 1635 2.35 | SA   | 1259 1.10 | SU   | 1753 3.63 | MO   | 1402 1.58 | MO   | 1715 3.33 | TU   | 1409 1.30 | WE   | 2112 3.91 | TH   | 1435 2.05 |
|      | 2210 7.68 |      | 1908 8.17 | ●    | 2306 6.46 | ○    | 1947 7.90 |      | 2228 6.55 | ●    | 1934 8.12 |      |           |      | 1958 7.54 |
| 2    | 0455 1.43 | 10   | 0142 1.97 | 18   | 0558 2.04 | 26   | 0223 1.59 | 2    | 0514 1.74 | 10   | 0230 0.56 | 18   | 0232 4.94 | 26   | 0245 0.75 |
|      | 1050 7.25 |      | 0703 7.58 |      | 1256 6.53 |      | 0803 7.77 |      | 1147 6.87 |      | 0816 8.23 |      | 0849 3.59 |      | 0847 7.98 |
| SA   | 1700 2.81 | SU   | 1347 0.79 | MO   | 1848 4.26 | TU   | 1431 1.64 | TU   | 1803 3.83 | WE   | 1447 1.50 | TH   | 1546 6.29 | FR   | 1506 2.19 |
|      | 2228 7.29 | ●    | 1944 8.24 |      | 2351 5.58 |      | 2009 7.94 | ●    | 2311 5.96 |      | 2007 8.13 |      | 2244 3.27 |      | 2025 7.43 |
| 3    | 0515 1.58 | 11   | 0222 1.51 | 19   | 0645 2.85 | 27   | 0250 1.34 | 3    | 0602 2.29 | 11   | 0304 0.30 | 19   | 0433 5.62 | 27   | 0313 0.73 |
|      | 1121 6.99 |      | 0748 7.93 |      | 1446 6.22 |      | 0834 7.87 |      | 1325 6.53 |      | 0859 8.25 |      | 1045 3.14 |      | 0918 7.90 |
| SU   | 1731 3.35 | MO   | 1430 0.75 | TU   | 2200 4.24 | WE   | 1459 1.76 | WE   | 2001 4.15 | TH   | 1524 1.78 | FR   | 1653 6.74 | SA   | 1535 2.40 |
| ●    | 2249 6.79 |      | 2015 8.27 |      |           |      | 2032 7.96 |      |           |      | 2042 8.06 |      | 2333 2.62 |      | 2053 7.22 |
| 4    | 0542 1.85 | 12   | 0300 1.07 | 20   | 0248 4.95 | 28   | 0316 1.11 | 4    | 0100 5.37 | 12   | 0336 0.24 | 20   | 0524 6.40 | 28   | 0339 0.84 |
|      | 1211 6.63 |      | 0831 8.12 |      | 0935 3.29 |      | 0905 7.90 |      | 0752 2.82 |      | 0940 8.21 |      | 1142 2.58 |      | 0946 7.77 |
| MO   | 1819 3.98 | TU   | 1509 0.90 | WE   | 1646 6.59 | TH   | 1526 1.93 | TH   | 1530 6.75 | FR   | 1557 2.15 | SA   | 1735 7.12 | SU   | 1604 2.64 |
|      | 2325 6.16 |      | 2045 8.28 |      | 2334 3.39 |      | 2056 7.89 |      | 2211 3.61 |      | 2116 7.82 |      |           |      | 2121 6.96 |
| 5    | 0627 2.30 | 13   | 0335 0.70 | 21   | 0501 5.60 | 29   | 0341 1.00 | 5    | 0345 5.72 | 13   | 0404 0.42 | 21   | 0010 2.12 | 29   | 0403 1.05 |
|      | 1400 6.35 |      | 0915 8.19 |      | 1124 2.75 |      | 0934 7.85 |      | 1010 2.52 |      | 1018 8.03 |      | 0601 7.04 |      | 1016 7.58 |
| TU   | 2027 4.48 | WE   | 1545 1.25 | TH   | 1745 7.15 | FR   | 1552 2.19 | FR   | 1653 7.35 | SA   | 1629 2.59 | SU   | 1223 2.20 | MO   | 1634 2.92 |
|      |           |      | 2116 8.27 |      |           |      | 2119 7.67 |      | 2331 2.79 |      | 2147 7.36 |      | 1809 7.38 |      | 2152 6.64 |
| 6    | 0045 5.42 | 14   | 0407 0.50 | 22   | 0019 2.67 | 30   | 0404 1.04 | 6    | 0506 6.64 | 14   | 0430 0.85 | 22   | 0043 1.75 | 30   | 0430 1.33 |
|      | 0827 2.74 |      | 0958 8.16 |      | 0555 6.39 |      | 1001 7.72 |      | 1139 1.91 |      | 1055 7.64 |      | 0635 7.48 |      | 1054 7.33 |
| WE   | 1615 6.70 | TH   | 1618 1.75 | FR   | 1216 2.14 | SA   | 1616 2.51 | SA   | 1746 7.82 | SU   | 1700 3.06 | MO   | 1259 2.00 | TU   | 1713 3.21 |
|      | 2242 3.98 |      | 2146 8.18 |      | 1824 7.55 |      | 2140 7.37 |      |           |      | 2216 6.73 |      | 1837 7.50 |      | 2231 6.27 |
| 7    | 0357 5.49 | 15   | 0436 0.54 | 23   | 0055 2.21 | 31   | 0424 1.18 | 7    | 0027 2.03 | 15   | 0457 1.49 | 23   | 0114 1.45 |      |           |
|      | 1036 2.34 |      | 1038 7.98 |      | 0632 6.99 |      | 1027 7.51 |      | 0601 7.42 |      | 1132 7.12 |      | 0709 7.76 |      |           |
| TH   | 1733 7.42 | FR   | 1649 2.35 | SA   | 1257 1.75 | SU   | 1643 2.90 | SU   | 1239 1.44 | MO   | 1733 3.54 | TU   | 1331 1.94 |      |           |
|      |           |      | 2215 7.84 |      | 1857 7.76 |      | 2201 6.99 |      | 1829 8.04 |      | 2246 6.04 |      | 1903 7.57 |      |           |
| 8    | 0003 3.20 | 16   | 0503 0.84 | 24   | 0126 1.95 |      |           | 8    | 0113 1.44 | 16   | 0526 2.23 | 24   | 0145 1.16 |      |           |
|      | 0521 6.28 |      | 1116 7.60 |      | 0704 7.38 |      |           |      | 0649 7.90 |      | 1222 6.59 |      | 0742 7.91 |      |           |
| FR   | 1159 1.67 | SA   | 1719 2.98 | SU   | 1331 1.59 |      |           | MO   | 1327 1.25 | TU   | 1830 3.98 | WE   | 1404 1.97 |      |           |
|      | 1826 7.94 |      | 2241 7.24 |      | 1923 7.84 |      |           |      | 1902 8.10 | ●    | 2344 5.30 | ○    | 1930 7.59 |      |           |

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Datum of Predictions is Lowest Astronomical Tide

Moon Phase Symbols ● New Moon ○ First Quarter ○ Full Moon ● Last Quarter

# AUSTRALIA, NORTH COAST – WYNDHAM

LAT 15° 27' S LONG 128° 06' E

# 2024

TIMES AND HEIGHTS OF HIGH AND LOW WATERS

TIME ZONE -0800

## MAY

| Time     | m         | Time      | m         | Time      | m         | Time      | m         |
|----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| <b>1</b> | 0506 1.73 | <b>9</b>  | 0159 0.34 | <b>17</b> | 0126 5.22 | <b>25</b> | 0217 0.59 |
|          | 1150 7.04 |           | 0802 8.20 |           | 0718 3.42 |           | 0834 7.90 |
| WE       | 1811 3.47 | TH        | 1428 2.05 | FR        | 1408 6.24 | SA        | 1450 2.37 |
| ☉        | 2334 5.84 |           | 1936 7.62 |           | 2115 3.06 |           | 2002 6.95 |
| <b>2</b> | 0605 2.26 | <b>10</b> | 0234 0.22 | <b>18</b> | 0328 5.56 | <b>26</b> | 0251 0.61 |
|          | 1310 6.84 |           | 0845 8.19 |           | 0928 3.41 |           | 0909 7.84 |
| TH       | 1951 3.45 | FR        | 1505 2.21 | SA        | 1530 6.34 | SU        | 1526 2.48 |
|          |           |           | 2015 7.49 |           | 2217 2.59 |           | 2037 6.86 |
| <b>3</b> | 0123 5.65 | <b>11</b> | 0308 0.28 | <b>19</b> | 0434 6.21 | <b>27</b> | 0323 0.74 |
|          | 0745 2.65 |           | 0925 8.10 |           | 1044 3.06 |           | 0942 7.75 |
| FR       | 1443 6.93 | SA        | 1541 2.43 | SU        | 1628 6.57 | MO        | 1601 2.62 |
|          | 2127 2.92 |           | 2054 7.22 |           | 2306 2.09 |           | 2115 6.72 |
| <b>4</b> | 0324 6.14 | <b>12</b> | 0339 0.56 | <b>20</b> | 0521 6.83 | <b>28</b> | 0356 0.95 |
|          | 0935 2.53 |           | 1003 7.88 |           | 1136 2.73 |           | 1018 7.61 |
| SA       | 1600 7.26 | SU        | 1615 2.69 | MO        | 1710 6.78 | TU        | 1640 2.75 |
|          | 2244 2.22 |           | 2131 6.81 |           | 2348 1.63 |           | 2158 6.52 |
| <b>5</b> | 0441 6.94 | <b>13</b> | 0408 1.05 | <b>21</b> | 0601 7.33 | <b>29</b> | 0431 1.25 |
|          | 1105 2.20 |           | 1039 7.52 |           | 1220 2.47 |           | 1100 7.46 |
| SU       | 1657 7.55 | MO        | 1648 2.97 | TU        | 1746 6.93 | WE        | 1726 2.82 |
|          | 2346 1.54 |           | 2207 6.34 |           |           |           | 2249 6.31 |
| <b>6</b> | 0539 7.61 | <b>14</b> | 0437 1.65 | <b>22</b> | 0028 1.23 | <b>30</b> | 0515 1.64 |
|          | 1211 1.92 |           | 1115 7.11 |           | 0641 7.67 |           | 1150 7.30 |
| MO       | 1743 7.67 | TU        | 1725 3.23 | WE        | 1300 2.33 | TH        | 1823 2.78 |
|          |           |           | 2247 5.85 |           | 1821 7.00 |           | 2356 6.13 |
| <b>7</b> | 0036 0.98 | <b>15</b> | 0509 2.27 | <b>23</b> | 0105 0.90 | <b>31</b> | 0615 2.07 |
|          | 0630 7.98 |           | 1157 6.72 |           | 0719 7.85 |           | 1249 7.16 |
| TU       | 1301 1.84 | WE        | 1818 3.43 | TH        | 1337 2.28 | FR        | 1931 2.55 |
|          | 1821 7.69 | ☉         | 2349 5.42 | ☉         | 1854 7.02 | ☉         |           |
| <b>8</b> | 0120 0.58 | <b>16</b> | 0554 2.90 | <b>24</b> | 0142 0.69 |           |           |
|          | 0717 8.14 |           | 1253 6.39 |           | 0758 7.92 |           |           |
| WE       | 1346 1.91 | TH        | 1956 3.41 | FR        | 1415 2.30 |           |           |
| ☉        | 1859 7.67 |           |           |           | 1928 7.00 |           |           |

## JUNE

| Time     | m         | Time      | m         | Time      | m         | Time      | m         |
|----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| <b>1</b> | 0121 6.15 | <b>9</b>  | 0249 0.57 | <b>17</b> | 0315 6.00 | <b>25</b> | 0319 0.61 |
|          | 0731 2.43 |           | 0915 7.84 |           | 0925 3.43 |           | 0939 7.81 |
| SA       | 1357 7.08 | SU        | 1534 2.49 | MO        | 1500 6.09 | TU        | 1606 2.31 |
|          | 2043 2.15 |           | 2044 6.73 |           | 2153 2.07 |           | 2117 6.83 |
| <b>2</b> | 0254 6.49 | <b>10</b> | 0324 0.85 | <b>18</b> | 0428 6.48 | <b>26</b> | 0359 0.77 |
|          | 0858 2.58 |           | 0950 7.65 |           | 1039 3.22 |           | 1015 7.78 |
| SU       | 1506 7.08 | MO        | 1610 2.59 | TU        | 1603 6.11 | WE        | 1647 2.22 |
|          | 2151 1.66 |           | 2125 6.52 |           | 2249 1.66 |           | 2206 6.79 |
| <b>3</b> | 0411 7.04 | <b>11</b> | 0356 1.24 | <b>19</b> | 0525 7.02 | <b>27</b> | 0440 1.04 |
|          | 1024 2.58 |           | 1023 7.42 |           | 1138 2.91 |           | 1054 7.72 |
| MO       | 1607 7.09 | TU        | 1644 2.68 | WE        | 1658 6.22 | TH        | 1730 2.08 |
|          | 2259 1.19 |           | 2204 6.30 |           | 2341 1.26 |           | 2258 6.70 |
| <b>4</b> | 0515 7.53 | <b>12</b> | 0427 1.65 | <b>20</b> | 0614 7.44 | <b>28</b> | 0523 1.44 |
|          | 1140 2.48 |           | 1054 7.19 |           | 1229 2.66 |           | 1134 7.58 |
| TU       | 1700 7.06 | WE        | 1717 2.73 | TH        | 1745 6.36 | FR        | 1814 1.92 |
|          | 2357 0.81 |           | 2245 6.07 |           |           |           | 2356 6.61 |
| <b>5</b> | 0613 7.84 | <b>13</b> | 0459 2.07 | <b>21</b> | 0030 0.91 | <b>29</b> | 0611 1.91 |
|          | 1239 2.41 |           | 1127 6.98 |           | 0700 7.69 |           | 1218 7.37 |
| WE       | 1747 7.01 | TH        | 1756 2.74 | FR        | 1315 2.49 | SA        | 1902 1.73 |
|          |           |           | 2333 5.86 |           | 1829 6.48 | ☉         |           |
| <b>6</b> | 0047 0.55 | <b>14</b> | 0537 2.51 | <b>22</b> | 0115 0.70 | <b>30</b> | 0104 6.57 |
|          | 0704 7.97 |           | 1206 6.75 |           | 0743 7.80 |           | 0707 2.42 |
| TH       | 1329 2.38 | FR        | 1842 2.71 | SA        | 1400 2.42 | SU        | 1309 7.06 |
| ☉        | 1832 6.97 | ☉         |           | ○         | 1909 6.61 |           | 1958 1.55 |
| <b>7</b> | 0131 0.43 | <b>15</b> | 0032 5.72 | <b>23</b> | 0158 0.58 |           |           |
|          | 0752 8.00 |           | 0627 2.96 |           | 0824 7.82 |           |           |
| FR       | 1414 2.40 | SA        | 1254 6.47 | SU        | 1443 2.40 |           |           |
|          | 1916 6.93 |           | 1942 2.61 |           | 1949 6.72 |           |           |
| <b>8</b> | 0212 0.43 | <b>16</b> | 0148 5.73 | <b>24</b> | 0239 0.55 |           |           |
|          | 0835 7.95 |           | 0740 3.35 |           | 0902 7.82 |           |           |
| SA       | 1455 2.43 | SU        | 1353 6.23 | MO        | 1524 2.37 |           |           |
|          | 2000 6.86 |           | 2051 2.41 |           | 2031 6.80 |           |           |

## JULY

| Time     | m         | Time      | m         | Time      | m         | Time      | m         |
|----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| <b>1</b> | 0223 6.66 | <b>9</b>  | 0317 1.06 | <b>17</b> | 0323 6.20 | <b>25</b> | 0358 0.58 |
|          | 0820 2.86 |           | 0932 7.51 |           | 0945 3.67 |           | 0957 8.00 |
| MO       | 1411 6.71 | TU        | 1600 2.32 | WE        | 1457 5.47 | TH        | 1637 1.48 |
|          | 2102 1.38 |           | 2117 6.60 |           | 2155 1.95 |           | 2203 7.27 |
| <b>2</b> | 0341 6.90 | <b>10</b> | 0348 1.29 | <b>18</b> | 0447 6.66 | <b>26</b> | 0436 0.91 |
|          | 0948 3.07 |           | 1000 7.45 |           | 1102 3.32 |           | 1030 7.93 |
| TU       | 1521 6.42 | WE        | 1630 2.27 | TH        | 1618 5.55 | FR        | 1714 1.28 |
|          | 2213 1.21 |           | 2153 6.57 |           | 2301 1.57 |           | 2252 7.20 |
| <b>3</b> | 0455 7.23 | <b>11</b> | 0416 1.54 | <b>19</b> | 0551 7.17 | <b>27</b> | 0514 1.43 |
|          | 1115 2.99 |           | 1025 7.39 |           | 1206 2.91 |           | 1103 7.73 |
| WE       | 1629 6.29 | TH        | 1657 2.16 | FR        | 1722 5.87 | SA        | 1749 1.18 |
|          | 2323 1.02 |           | 2229 6.50 |           |           |           | 2343 7.03 |
| <b>4</b> | 0601 7.53 | <b>12</b> | 0445 1.81 | <b>20</b> | 0001 1.17 | <b>28</b> | 0553 2.04 |
|          | 1226 2.76 |           | 1051 7.30 |           | 0643 7.55 |           | 1137 7.37 |
| TH       | 1730 6.29 | FR        | 1724 2.06 | SA        | 1301 2.59 | SU        | 1826 1.19 |
|          |           |           | 2306 6.39 |           | 1815 6.24 | ☉         |           |
| <b>5</b> | 0024 0.86 | <b>13</b> | 0515 2.17 | <b>21</b> | 0057 0.82 | <b>29</b> | 0039 6.81 |
|          | 0659 7.71 |           | 1119 7.08 |           | 0729 7.76 |           | 0637 2.70 |
| FR       | 1322 2.53 | SA        | 1754 2.00 | SU        | 1350 2.37 | MO        | 1215 6.85 |
|          | 1825 6.37 |           | 2349 6.25 | ○         | 1900 6.57 |           | 1909 1.33 |
| <b>6</b> | 0116 0.77 | <b>14</b> | 0550 2.62 | <b>22</b> | 0147 0.59 | <b>30</b> | 0149 6.62 |
|          | 0746 7.76 |           | 1151 6.72 |           | 0810 7.85 |           | 0742 3.32 |
| SA       | 1409 2.40 | SU        | 1830 2.02 | MO        | 1435 2.19 | TU        | 1310 6.22 |
| ☉        | 1914 6.46 | ☉         |           |           | 1944 6.85 |           | 2011 1.57 |
| <b>7</b> | 0201 0.77 | <b>15</b> | 0043 6.08 | <b>23</b> | 0234 0.46 | <b>31</b> | 0314 6.60 |
|          | 0827 7.71 |           | 0634 3.13 |           | 0847 7.92 |           | 0926 3.60 |
| SU       | 1451 2.34 | MO        | 1230 6.24 | TU        | 1518 1.98 | WE        | 1439 5.69 |
|          | 1959 6.56 |           | 1915 2.11 |           | 2029 7.08 |           | 2137 1.71 |
| <b>8</b> | 0242 0.87 | <b>16</b> | 0155 6.01 | <b>24</b> | 0316 0.45 |           |           |
|          | 0901 7.62 |           | 0745 3.62 |           | 0923 7.98 |           |           |
| MO       | 1529 2.33 | TU        | 1327 5.75 | WE        | 1559 1.73 |           |           |
|          | 2040 6.61 |           | 2026 2.15 |           | 2115 7.23 |           |           |

## AUGUST

| Time     | m         | Time      | m         | Time      | m           | Time      | m         |
|----------|-----------|-----------|-----------|-----------|-------------|-----------|-----------|
| <b>1</b> | 0444 6.86 | <b>9</b>  | 0359 1.49 | <b>17</b> | 0530 6.99   | <b>25</b> | 0455 1.74 |
|          | 1111 3.31 |           | 0949 7.61 |           | 1152 3.02   |           | 1026 7.68 |
| TH       | 1618 5.59 | FR        | 1627 1.61 | SA        | 1712 5.72   | SU        | 1716 0.73 |
|          | 2305 1.59 |           | 2206 6.98 |           | 2345 1.48   |           | 2321 7.32 |
| <b>2</b> | 0558 7.26 | <b>10</b> | 0423 1.73 | <b>18</b> | 0623 7.52   | <b>26</b> | 0529 2.42 |
|          | 1225 2.76 |           | 1012 7.50 |           | 1249 2.49   |           | 1055 7.18 |
| FR       | 1736 5.87 | SA        | 1650 1.49 | SU        | 1806 6.37   | MO        | 1746 1.00 |
|          |           |           | 2238 6.89 |           |             | ☉         |           |
| <b>3</b> | 0018 1.30 | <b>11</b> | 0449 2.08 | <b>19</b> | 0046 0.96   | <b>27</b> | 0009 6.92 |
|          | 0652 7.55 |           | 1034 7.24 |           | 0707 7.84   |           | 0606 3.10 |
| SA       | 1318 2.32 | SU        | 1715 1.48 | MO        | 1336 2.10   | TU        | 1125 6.50 |
|          | 1833 6.24 |           | 2312 6.69 |           | 1852 6.89   |           | 1819 1.47 |
| <b>4</b> | 0113 1.06 | <b>12</b> | 0517 2.54 | <b>20</b> | 0138 0.60   | <b>28</b> | 0112 6.50 |
|          | 0735 7.66 |           | 1055 6.81 |           | 0746 7.97   |           | 0703 3.75 |
| SU       | 1401 2.09 | MO        | 1740 1.60 | TU        | 1419 1.77   | WE        | 1210 5.71 |
| ☉        | 1918 6.52 | ☉         | 2349 6.43 | ○         | 1936 7.28   |           | 1911 2.07 |
| <b>5</b> | 0156 0.98 | <b>13</b> | 0551 3.08 | <b>21</b> | 0224 0.45   | <b>29</b> | 0247 6.28 |
|          | 0810 7.64 |           | 1117 6.28 |           | 0821 8.04   |           | 0924 3.92 |
| MO       | 1438 2.02 | TU        | 1810 1.84 | WE        | 1500 1.43   | TH        | 1415 5.04 |
|          | 1956 6.72 |           |           |           | 2020 7.55   |           | 2114 2.47 |
| <b>6</b> | 0233 1.02 | <b>14</b> | 0045 6.15 | <b>22</b> | 0305 0.48   | <b>30</b> | 0437 6.56 |
|          | 0839 7.58 |           | 0641 3.67 |           | 0853 8.09   |           | 1118 3.27 |
| TU       | 1511 2.00 | WE        | 1152 5.66 | TH        | 1538 1.06   | FR        | 1637 5.30 |
| ☉        | 2030 6.85 |           | 1855 2.18 |           | 2105 7.71   |           | 2307 2.19 |
| <b>7</b> | 0305 1.15 | <b>15</b> | 0220 6.03 | <b>23</b> | 0344 0.70   | <b>31</b> | 0547 7.09 |
|          | 0904 7.57 |           | 0845 4.05 |           | 0924 8.09   |           | 1219 2.48 |
| WE       | 1539 1.94 | TH        | 1315 5.06 | FR        | 1614 0.77   | SA        | 1747 5.99 |
|          | 2101 6.94 |           | 2046 2.42 |           | 2151 7.74</ |           |           |

# AUSTRALIA, NORTH COAST – WYNDHAM

LAT 15° 27' S LONG 128° 06' E

# 2024

TIMES AND HEIGHTS OF HIGH AND LOW WATERS

TIME ZONE -0800

## SEPTEMBER

## OCTOBER

| Time | m   | Time | m   | Time | m   | Time | m   | Time | m   | Time | m   | Time | m   |    |   |
|------|---|------|---|------|---|------|---|------|---|------|---|------|---|----|---|
| 1    | 0015 1.65<br>0634 7.47<br>SU 1302 1.96<br>1834 6.58 | 9    | 0424 2.23<br>0954 7.15<br>MO 1638 1.20<br>2237 7.05 | 17   | 0031 1.17<br>0636 7.89<br>TU 1313 1.69<br>1840 7.39 | 25   | 0540 3.38<br>1048 6.11<br>WE 1739 1.80              | 1    | 0040 1.63<br>0634 7.52<br>TU 1306 1.50<br>1850 7.35 | 9    | 0428 2.81<br>0943 6.52<br>WE 1626 1.38<br>2237 7.06 | 17   | 0059 1.37<br>0630 7.88<br>TH 1323 0.76<br>1908 8.08 | 25 | 0010 6.60<br>0630 3.75<br>FR 1140 5.12<br>1758 2.95 |
| 2    | 0102 1.26<br>0711 7.64<br>MO 1340 1.73<br>1910 6.94 | 10   | 0449 2.65<br>1011 6.72<br>TU 1658 1.42<br>2305 6.76 | 18   | 0122 0.81<br>0713 8.01<br>WE 1355 1.25<br>1923 7.77 | 26   | 0038 6.46<br>0637 3.92<br>TH 1134 5.28<br>1825 2.61 | 2    | 0115 1.49<br>0701 7.58<br>WE 1336 1.36<br>1920 7.57 | 10   | 0458 3.17<br>1007 6.12<br>TH 1650 1.74<br>2318 6.71 | 18   | 0144 1.38<br>0704 7.89<br>FR 1402 0.40<br>1951 8.20 | 26 | 0121 6.22<br>0845 3.62<br>SA 1418 4.87<br>2015 3.54 |
| 3    | 0141 1.12<br>0741 7.66<br>TU 1412 1.67<br>1942 7.15 | 11   | 0518 3.13<br>1030 6.24<br>WE 1721 1.73<br>2346 6.40 | 19   | 0206 0.74<br>0745 8.06<br>TH 1434 0.84<br>2006 7.98 | 27   | 0212 6.11<br>0926 3.88<br>FR 1431 4.74<br>2100 3.15 | 3    | 0147 1.52<br>0726 7.60<br>TH 1404 1.23<br>1950 7.70 | 11   | 0542 3.59<br>1045 5.61<br>FR 1733 2.25              | 19   | 0225 1.55<br>0738 7.87<br>SA 1439 0.18<br>2035 8.23 | 27 | 0309 6.21<br>1013 3.00<br>SU 1616 5.56<br>2219 3.21 |
| 4    | 0215 1.18<br>0806 7.64<br>WE 1441 1.63<br>2012 7.28 | 12   | 0600 3.68<br>1100 5.67<br>TH 1800 2.19              | 20   | 0246 0.87<br>0815 8.07<br>FR 1510 0.49<br>2050 8.08 | 28   | 0414 6.35<br>1104 3.07<br>SA 1644 5.44<br>2300 2.67 | 4    | 0217 1.64<br>0748 7.61<br>FR 1430 1.05<br>2020 7.77 | 12   | 0042 6.35<br>0714 3.92<br>SA 1219 5.07<br>1900 2.81 | 20   | 0303 1.80<br>0814 7.77<br>SU 1513 0.11<br>2118 8.19 | 28 | 0426 6.57<br>1109 2.34<br>MO 1709 6.38<br>2323 2.67 |
| 5    | 0244 1.30<br>0828 7.66<br>TH 1507 1.50<br>2041 7.38 | 13   | 0117 6.07<br>0735 4.15<br>FR 1211 4.98<br>1924 2.70 | 21   | 0324 1.19<br>0846 8.03<br>SA 1544 0.30<br>2134 8.06 | 29   | 0518 6.89<br>1155 2.29<br>SU 1738 6.30<br>2358 2.04 | 5    | 0245 1.77<br>0812 7.58<br>SA 1457 0.89<br>2050 7.78 | 13   | 0245 6.40<br>0936 3.46<br>SU 1516 5.34<br>2128 2.70 | 21   | 0340 2.13<br>0851 7.51<br>MO 1544 0.27<br>2200 8.01 | 29 | 0512 6.93<br>1148 1.81<br>TU 1748 7.05              |
| 6    | 0310 1.46<br>0849 7.69<br>FR 1530 1.31<br>2112 7.44 | 14   | 0337 6.26<br>1015 3.69<br>SA 1536 5.05<br>2203 2.45 | 22   | 0400 1.63<br>0920 7.84<br>SU 1615 0.32<br>2216 7.88 | 30   | 0601 7.31<br>1233 1.76<br>MO 1817 6.95              | 6    | 0312 1.95<br>0836 7.47<br>SU 1521 0.82<br>2119 7.71 | 14   | 0415 6.95<br>1054 2.65<br>MO 1640 6.32<br>2301 2.12 | 22   | 0415 2.53<br>0927 7.06<br>TU 1614 0.71<br>2239 7.63 | 30 | 0007 2.29<br>0547 7.16<br>WE 1223 1.44<br>1823 7.51 |
| 7    | 0335 1.64<br>0912 7.67<br>SA 1554 1.15<br>2142 7.41 | 15   | 0501 6.94<br>1132 2.92<br>SU 1700 5.93<br>2329 1.77 | 23   | 0432 2.19<br>0951 7.44<br>MO 1643 0.58<br>2258 7.51 |      |   | 7    | 0337 2.18<br>0900 7.23<br>MO 1545 0.90<br>2146 7.55 | 15   | 0511 7.48<br>1152 1.88<br>TU 1735 7.20              | 23   | 0449 2.96<br>1000 6.44<br>WE 1641 1.38<br>2320 7.11 | 31 | 0044 2.10<br>0616 7.27<br>TH 1254 1.16<br>1857 7.79 |
| 8    | 0400 1.89<br>0934 7.48<br>SU 1616 1.09<br>2211 7.27 | 16   | 0554 7.55<br>1227 2.23<br>MO 1754 6.77              | 24   | 0505 2.79<br>1020 6.83<br>TU 1709 1.10<br>2341 7.00 |      |   | 8    | 0402 2.46<br>0922 6.90<br>TU 1605 1.10<br>2210 7.33 | 16   | 0007 1.61<br>0554 7.77<br>WE 1241 1.25<br>1823 7.79 | 24   | 0527 3.40<br>1035 5.79<br>TH 1712 2.14              |    |   |

## NOVEMBER

## DECEMBER

| Time | m   | Time | m   | Time | m   | Time | m   | Time | m   | Time | m   | Time | m   |    |   |
|------|---|------|---|------|---|------|---|------|---|------|---|------|---|----|---|
| 1    | 0117 2.05<br>0644 7.31<br>FR 1324 0.93<br>1930 7.94 | 9    | 0545 3.34<br>1103 5.70<br>SA 1731 2.26              | 17   | 0207 2.23<br>0709 7.41<br>SU 1410 0.15<br>2025 8.23 | 25   | 0132 6.39<br>0850 2.90<br>MO 1511 5.53<br>2055 3.68 | 1    | 0126 2.54<br>0639 6.83<br>SU 1322 0.70<br>1948 8.04 | 9    | 0005 7.43<br>0651 2.60<br>MO 1233 6.08<br>1842 2.61 | 17   | 0243 2.62<br>0742 6.86<br>TU 1433 0.54<br>2101 8.12 | 25 | 0110 6.49<br>0818 2.49<br>WE 1455 5.93<br>2045 4.03 |
| 2    | 0150 2.08<br>0711 7.30<br>SA 1355 0.74<br>2001 7.99 | 10   | 0026 6.85<br>0708 3.36<br>SU 1237 5.46<br>1855 2.74 | 18   | 0248 2.35<br>0750 7.30<br>MO 1446 0.21<br>2107 8.18 | 26   | 0249 6.33<br>0952 2.48<br>TU 1623 6.17<br>2221 3.45 | 2    | 0202 2.52<br>0713 6.83<br>MO 1358 0.65<br>2023 8.02 | 10   | 0103 7.24<br>0758 2.28<br>TU 1408 6.27<br>2002 2.99 | 18   | 0325 2.60<br>0828 6.81<br>WE 1511 0.81<br>2138 8.01 | 26 | 0215 6.13<br>0929 2.29<br>TH 1623 6.40<br>2222 3.91 |
| 3    | 0221 2.16<br>0738 7.24<br>SU 1424 0.66<br>2033 7.97 | 11   | 0152 6.80<br>0845 2.92<br>MO 1444 5.81<br>2045 2.84 | 19   | 0328 2.50<br>0832 7.07<br>TU 1521 0.48<br>2147 8.02 | 27   | 0359 6.42<br>1045 2.01<br>WE 1713 6.82<br>2321 3.12 | 3    | 0237 2.56<br>0745 6.80<br>TU 1431 0.71<br>2055 7.97 | 11   | 0212 7.07<br>0907 1.85<br>WE 1534 6.77<br>2133 3.16 | 19   | 0403 2.63<br>0912 6.67<br>TH 1546 1.21<br>2211 7.85 | 27 | 0330 5.96<br>1030 1.94<br>FR 1723 6.99<br>2329 3.57 |
| 4    | 0251 2.29<br>0806 7.11<br>MO 1452 0.69<br>2103 7.88 | 12   | 0315 7.01<br>1001 2.25<br>TU 1609 6.63<br>2219 2.59 | 20   | 0405 2.71<br>0915 6.72<br>WE 1554 0.98<br>2226 7.72 | 28   | 0448 6.57<br>1128 1.57<br>TH 1754 7.38              | 4    | 0313 2.64<br>0819 6.75<br>WE 1503 0.85<br>2126 7.89 | 12   | 0321 6.96<br>1015 1.38<br>TH 1645 7.37<br>2301 3.10 | 20   | 0440 2.66<br>0954 6.47<br>FR 1618 1.66<br>2241 7.67 | 28 | 0438 6.02<br>1123 1.54<br>SA 1812 7.51              |
| 5    | 0320 2.45<br>0834 6.91<br>TU 1519 0.85<br>2130 7.73 | 13   | 0417 7.29<br>1106 1.55<br>WE 1711 7.42<br>2335 2.31 | 21   | 0444 2.93<br>0956 6.28<br>TH 1626 1.61<br>2302 7.34 | 29   | 0007 2.85<br>0529 6.70<br>FR 1208 1.18<br>1833 7.77 | 5    | 0347 2.72<br>0856 6.66<br>TH 1535 1.06<br>2158 7.81 | 13   | 0423 6.90<br>1120 0.95<br>FR 1749 7.83              | 21   | 0514 2.67<br>1035 6.26<br>SA 1649 2.13<br>2310 7.46 | 29 | 0022 3.20<br>0532 6.20<br>SU 1213 1.18<br>1856 7.84 |
| 6    | 0349 2.66<br>0902 6.67<br>WE 1544 1.09<br>2158 7.54 | 14   | 0507 7.45<br>1201 0.94<br>TH 1804 7.94              | 22   | 0525 3.14<br>1041 5.83<br>FR 1659 2.27<br>2342 6.96 | 30   | 0047 2.65<br>0604 6.79<br>SA 1245 0.87<br>1911 7.97 | 6    | 0424 2.80<br>0936 6.51<br>FR 1608 1.34<br>2233 7.72 | 14   | 0012 2.92<br>0517 6.86<br>SA 1217 0.62<br>1846 8.08 | 22   | 0548 2.65<br>1119 6.05<br>SU 1723 2.61<br>2343 7.23 | 30 | 0108 2.91<br>0617 6.40<br>MO 1259 0.93<br>1936 8.01 |
| 7    | 0418 2.90<br>0932 6.39<br>TH 1609 1.39<br>2230 7.33 | 15   | 0033 2.16<br>0550 7.48<br>FR 1249 0.50<br>1854 8.16 | 23   | 0617 3.27<br>1141 5.43<br>SA 1742 2.91              |      |   | 7    | 0505 2.83<br>1022 6.34<br>SA 1647 1.70<br>2315 7.59 | 15   | 0108 2.78<br>0607 6.85<br>SU 1307 0.45<br>1938 8.17 | 23   | 0627 2.62<br>1212 5.87<br>MO 1803 3.13              | 31 | 0150 2.76<br>0658 6.59<br>TU 1341 0.79<br>2014 8.06 |
| 8    | 0454 3.13<br>1009 6.07<br>FR 1641 1.77<br>2317 7.08 | 16   | 0122 2.15<br>0630 7.46<br>SA 1331 0.25<br>1941 8.23 | 24   | 0030 6.64<br>0735 3.21<br>SU 1309 5.24<br>1852 3.49 |      |   | 8    | 0554 2.77<br>1119 6.16<br>SU 1738 2.14              | 16   | 0158 2.68<br>0655 6.86<br>MO 1352 0.42<br>2022 8.18 | 24   | 0021 6.91<br>0715 2.58<br>TU 1321 5.78<br>1900 3.68 |    |   |

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Datum of Predictions is Lowest Astronomical Tide

Moon Phase Symbols ● New Moon ○ First Quarter ○ Full Moon ● Last Quarter

**AUSTRALIA, NORTH-WEST COAST – YAMPI SOUND (KOOLAN ISLAND)**

**2024**

LAT 16° 08' S    LONG 123° 44' E

TIMES AND HEIGHTS OF HIGH AND LOW WATERS

TIME ZONE -0800

**JANUARY**

**FEBRUARY**

| Time      | m         | Time      | m          | Time      | m         | Time      | m         | Time      | m         | Time      | m          | Time      | m         | Time      | m          |
|-----------|-----------|-----------|------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|------------|-----------|-----------|-----------|------------|
| <b>1</b>  | 0203 9.15 | <b>9</b>  | 0350 3.11  | <b>17</b> | 0258 9.51 | <b>25</b> | 0546 2.03 | <b>1</b>  | 0240 9.14 | <b>9</b>  | 0528 2.08  | <b>17</b> | 0343 8.45 | <b>25</b> | 0016 9.59  |
|           | 0826 1.85 |           | 1001 7.23  |           | 0918 1.51 |           | 1152 8.38 |           | 0854 1.83 |           | 1136 8.37  |           | 0949 2.55 |           | 0636 1.35  |
| <b>MO</b> | 1431 8.74 | <b>TU</b> | 1558 3.80  | <b>WE</b> | 1524 9.42 | <b>TH</b> | 1756 2.75 | <b>TH</b> | 1500 9.20 | <b>FR</b> | 1739 2.76  | <b>SA</b> | 1559 8.83 | <b>SU</b> | 1234 9.53  |
|           | 2037 2.60 |           | 2204 8.24  |           | 2142 2.07 |           | 2355 9.10 |           | 2114 2.28 |           | 2339 9.38  |           | 2226 2.87 |           | 1845 1.71  |
| <b>2</b>  | 0233 8.86 | <b>10</b> | 0444 2.44  | <b>18</b> | 0338 8.91 | <b>26</b> | 0621 1.64 | <b>2</b>  | 0307 8.67 | <b>10</b> | 0607 1.35  | <b>18</b> | 0421 7.46 | <b>26</b> | 0040 9.87  |
|           | 0854 2.13 |           | 1052 7.82  |           | 0954 2.06 |           | 1224 8.82 |           | 0918 2.28 |           | 1211 9.16  |           | 1021 3.51 |           | 0659 1.17  |
| <b>TU</b> | 1501 8.57 | <b>WE</b> | 1651 3.27  | <b>TH</b> | 1604 9.05 | <b>FR</b> | 1830 2.35 | <b>FR</b> | 1525 8.85 | <b>SA</b> | 1819 1.98  | <b>SU</b> | 1639 7.85 | <b>MO</b> | 1257 9.83  |
|           | 2109 2.85 |           | 2254 8.83  |           | 2226 2.53 |           | 1830 2.35 |           | 2143 2.68 |           | 1856 1.36  |           | 2320 3.84 |           | 1910 1.46  |
| <b>3</b>  | 0305 8.45 | <b>11</b> | 0529 1.85  | <b>19</b> | 0423 8.17 | <b>27</b> | 0027 9.44 | <b>3</b>  | 0335 8.08 | <b>11</b> | 0017 10.06 | <b>19</b> | 0520 6.41 | <b>27</b> | 0104 10.00 |
|           | 0924 2.50 |           | 1136 8.35  |           | 1035 2.74 |           | 0651 1.40 |           | 0943 2.84 |           | 0643 0.82  |           | 1113 4.58 |           | 0721 1.10  |
| <b>WE</b> | 1534 8.31 | <b>TH</b> | 1736 2.77  | <b>FR</b> | 1650 8.52 | <b>SA</b> | 1253 9.13 | <b>SA</b> | 1553 8.37 | <b>SU</b> | 1245 9.81  | <b>MO</b> | 1800 6.83 | <b>TU</b> | 1319 10.02 |
|           | 2146 3.18 |           | 2338 9.36  |           | 2320 3.10 |           | 1900 2.08 |           | 2217 3.21 |           | 1856 1.36  |           | 1800 6.83 |           | 1933 1.32  |
| <b>4</b>  | 0340 7.94 | <b>12</b> | 0610 1.39  | <b>20</b> | 0519 7.36 | <b>28</b> | 0056 9.65 | <b>4</b>  | 0409 7.36 | <b>12</b> | 0054 10.49 | <b>20</b> | 0154 4.48 | <b>28</b> | 0127 9.98  |
|           | 0958 2.97 |           | 1215 8.82  |           | 1127 3.51 |           | 0719 1.29 |           | 1013 3.54 |           | 0718 0.51  |           | 0855 5.98 |           | 0742 1.14  |
| <b>TH</b> | 1611 7.96 | <b>FR</b> | 1819 2.33  | <b>SA</b> | 1751 7.89 | <b>SU</b> | 1320 9.35 | <b>SU</b> | 1630 7.76 | <b>MO</b> | 1318 10.28 | <b>TU</b> | 1455 5.04 | <b>WE</b> | 1342 10.08 |
|           | 2230 3.58 |           | 1919 2.33  |           | 1751 7.89 |           | 1928 1.91 |           | 2307 3.84 |           | 1932 0.95  |           | 2126 6.81 |           | 1956 1.31  |
| <b>5</b>  | 0423 7.33 | <b>13</b> | 0019 9.78  | <b>21</b> | 0039 3.61 | <b>29</b> | 0123 9.72 | <b>5</b>  | 0502 6.54 | <b>13</b> | 0130 10.63 | <b>21</b> | 0421 3.77 | <b>29</b> | 0150 9.81  |
|           | 1038 3.52 |           | 0650 1.08  |           | 0646 6.69 |           | 0744 1.27 |           | 1059 4.34 |           | 0751 0.46  |           | 1045 6.96 |           | 0803 1.30  |
| <b>FR</b> | 1659 7.57 | <b>SA</b> | 1254 9.20  | <b>SU</b> | 1251 4.19 | <b>MO</b> | 1346 9.47 | <b>MO</b> | 1736 7.08 | <b>TU</b> | 1351 10.52 | <b>WE</b> | 1641 4.14 | <b>TH</b> | 1403 9.99  |
|           | 2329 3.95 |           | 1900 1.97  |           | 1926 7.43 |           | 1955 1.83 |           | 2015 6.89 |           | 2008 0.80  |           | 2243 7.70 |           | 2020 1.43  |
| <b>6</b>  | 0526 6.74 | <b>14</b> | 0100 10.03 | <b>22</b> | 0228 3.69 | <b>30</b> | 0149 9.66 | <b>6</b>  | 0104 4.32 | <b>14</b> | 0204 10.45 | <b>22</b> | 0510 2.86 |           |            |
|           | 1136 4.07 |           | 0728 0.91  |           | 0848 6.62 |           | 0808 1.35 |           | 0733 5.98 |           | 0822 0.66  |           | 1120 7.86 |           |            |
| <b>SA</b> | 1810 7.25 | <b>SU</b> | 1332 9.48  | <b>MO</b> | 1448 4.32 | <b>TU</b> | 1410 9.51 | <b>TU</b> | 1326 4.96 | <b>WE</b> | 1423 10.49 | <b>TH</b> | 1722 3.26 |           |            |
|           |           |           | 1941 1.73  |           | 2111 7.53 |           | 2021 1.86 |           | 2015 6.89 |           | 2042 0.95  |           | 2321 8.52 |           |            |
| <b>7</b>  | 0104 4.09 | <b>15</b> | 0139 10.09 | <b>23</b> | 0403 3.21 | <b>31</b> | 0215 9.47 | <b>7</b>  | 0328 3.88 | <b>15</b> | 0237 10.00 | <b>23</b> | 0543 2.16 |           |            |
|           | 0712 6.43 |           | 0806 0.93  |           | 1022 7.16 |           | 0832 1.53 |           | 0957 6.55 |           | 0852 1.10  |           | 1147 8.58 |           |            |
| <b>SU</b> | 1314 4.40 | <b>MO</b> | 1410 9.63  | <b>TU</b> | 1619 3.87 | <b>WE</b> | 1434 9.42 | <b>WE</b> | 1545 4.50 | <b>TH</b> | 1455 10.18 | <b>FR</b> | 1753 2.58 |           |            |
|           | 1949 7.26 |           | 2021 1.66  |           | 2228 8.05 |           | 2047 2.00 |           | 2157 7.59 |           | 2115 1.37  |           | 2350 9.15 |           |            |
| <b>8</b>  | 0241 3.74 | <b>16</b> | 0219 9.91  | <b>24</b> | 0503 2.57 |           |           | <b>8</b>  | 0441 2.96 | <b>16</b> | 0310 9.31  | <b>24</b> | 0611 1.66 |           |            |
|           | 0853 6.69 |           | 0842 1.13  |           | 1115 7.82 |           |           |           | 1058 7.48 |           | 0920 1.74  |           | 1212 9.12 |           |            |
| <b>MO</b> | 1450 4.24 | <b>TU</b> | 1447 9.61  | <b>WE</b> | 1715 3.27 |           |           | <b>TH</b> | 1653 3.63 | <b>FR</b> | 1526 9.62  | <b>SA</b> | 1821 2.07 |           |            |
|           | 2106 7.66 |           | 2101 1.77  |           | 2317 8.62 |           |           |           | 2256 8.52 |           | 2148 2.02  |           |           |           |            |

**MARCH**

**APRIL**

| Time      | m         | Time      | m          | Time      | m         | Time      | m          | Time      | m          | Time      | m          | Time      | m          | Time      | m          |
|-----------|-----------|-----------|------------|-----------|-----------|-----------|------------|-----------|------------|-----------|------------|-----------|------------|-----------|------------|
| <b>1</b>  | 0213 9.50 | <b>9</b>  | 0515 2.10  | <b>17</b> | 0309 8.45 | <b>25</b> | 0607 1.51  | <b>1</b>  | 0233 8.55  | <b>9</b>  | 0553 1.01  | <b>17</b> | 0409 6.50  | <b>25</b> | 0009 9.62  |
|           | 0823 1.59 |           | 1122 8.75  |           | 0911 2.69 |           | 1205 9.79  |           | 0836 2.66  |           | 1151 10.66 |           | 1004 4.87  |           | 0618 1.70  |
| <b>FR</b> | 1424 9.76 | <b>SA</b> | 1729 2.40  | <b>SU</b> | 1517 8.82 | <b>MO</b> | 1820 1.49  | <b>MO</b> | 1440 8.98  | <b>TU</b> | 1813 0.58  | <b>WE</b> | 1632 6.54  | <b>TH</b> | 1215 10.14 |
|           | 2042 1.70 |           | 2328 9.58  |           | 2144 2.88 |           | 1820 1.49  |           | 2105 2.59  |           |            |           | 1838 1.14  |           |            |
| <b>2</b>  | 0236 9.07 | <b>10</b> | 0550 1.28  | <b>18</b> | 0338 7.47 | <b>26</b> | 0014 9.86  | <b>2</b>  | 0301 7.85  | <b>10</b> | 0010 10.50 | <b>18</b> | 0005 4.84  | <b>26</b> | 0034 9.59  |
|           | 0843 2.00 |           | 1152 9.69  |           | 0936 3.66 |           | 0629 1.33  |           | 0900 3.36  |           | 0624 0.81  |           | 1437 6.10  |           | 0642 1.75  |
| <b>SA</b> | 1446 9.39 | <b>SU</b> | 1805 1.48  | <b>MO</b> | 1548 7.74 | <b>TU</b> | 1226 10.10 | <b>TU</b> | 1509 8.24  | <b>WE</b> | 1222 11.00 | <b>TH</b> | 1437 5.17  | <b>FR</b> | 1239 10.12 |
|           | 2106 2.11 |           |            |           | 2223 3.97 |           | 1843 1.22  |           | 2141 3.45  |           | 1846 0.31  |           | 2043 6.49  |           | 1903 1.17  |
| <b>3</b>  | 0259 8.51 | <b>11</b> | 0002 10.31 | <b>19</b> | 0419 6.38 | <b>27</b> | 0038 9.98  | <b>3</b>  | 0339 6.95  | <b>11</b> | 0043 10.49 | <b>19</b> | 0322 4.29  | <b>27</b> | 0059 9.43  |
|           | 0903 2.55 |           | 0623 0.73  |           | 1005 4.77 |           | 0650 1.27  |           | 0932 4.29  |           | 0654 0.86  |           | 0947 7.05  |           | 0706 1.89  |
| <b>SU</b> | 1509 8.88 | <b>MO</b> | 1222 10.41 | <b>TU</b> | 1640 6.56 | <b>WE</b> | 1247 10.27 | <b>WE</b> | 1554 7.25  | <b>TH</b> | 1253 11.03 | <b>FR</b> | 1554 4.17  | <b>SA</b> | 1304 9.98  |
|           | 2132 2.70 |           | 1839 0.79  |           |           |           | 1906 1.08  |           | 2258 4.44  |           | 1919 0.37  |           | 2154 7.38  |           | 1929 1.35  |
| <b>4</b>  | 0326 7.79 | <b>12</b> | 0036 10.72 | <b>20</b> | 0119 4.92 | <b>28</b> | 0101 9.95  | <b>4</b>  | 0526 5.96  | <b>12</b> | 0116 10.21 | <b>20</b> | 0409 3.45  | <b>28</b> | 0125 9.17  |
|           | 0926 3.25 |           | 0654 0.44  |           | 0956 5.96 |           | 0711 1.31  |           | 1134 5.33  |           | 0725 1.14  |           | 1019 7.95  |           | 0730 2.13  |
| <b>MO</b> | 1537 8.19 | <b>TU</b> | 1253 10.89 | <b>WE</b> | 1535 5.22 | <b>TH</b> | 1309 10.29 | <b>TH</b> | 1932 6.49  | <b>FR</b> | 1323 10.74 | <b>SA</b> | 1629 3.26  | <b>SU</b> | 1330 9.71  |
|           | 2206 3.49 |           | 1913 0.39  |           | 2140 6.59 |           | 1929 1.08  |           |            |           | 1950 0.74  |           | 2228 8.18  |           | 1955 1.65  |
| <b>5</b>  | 0401 6.88 | <b>13</b> | 0109 10.81 | <b>21</b> | 0416 4.01 | <b>29</b> | 0124 9.78  | <b>5</b>  | 0256 4.30  | <b>13</b> | 0147 9.69  | <b>21</b> | 0440 2.78  | <b>29</b> | 0152 8.81  |
|           | 0952 4.14 |           | 0725 0.43  |           | 1037 7.08 |           | 0732 1.47  |           | 0938 6.77  |           | 0754 1.63  |           | 1043 8.69  |           | 0756 2.48  |
| <b>TU</b> | 1617 7.28 | <b>WE</b> | 1323 11.05 | <b>TH</b> | 1636 4.10 | <b>FR</b> | 1332 10.16 | <b>FR</b> | 1536 4.46  | <b>SA</b> | 1354 10.19 | <b>SU</b> | 1657 2.51  | <b>MO</b> | 1357 9.33  |
|           | 2319 4.44 |           | 1945 0.33  |           | 2234 7.63 |           | 1952 1.23  |           | 2138 7.53  |           | 2020 1.36  |           | 2254 8.80  |           | 2024 2.10  |
| <b>6</b>  | 0525 5.83 | <b>14</b> | 0141 10.56 | <b>22</b> | 0453 3.06 | <b>30</b> | 0147 9.48  | <b>6</b>  | 0406 3.19  | <b>14</b> | 0217 9.02  | <b>22</b> | 0506 2.29  | <b>30</b> | 0222 8.33  |
|           | 1100 5.22 |           | 0754 0.69  |           | 1101 8.03 |           | 0753 1.75  |           | 1019 8.01  |           | 0820 2.27  |           | 1106 9.27  |           | 0824 2.96  |
| <b>WE</b> | 1933 6.46 | <b>TH</b> | 1354 10.89 | <b>FR</b> | 1707 3.15 | <b>SA</b> | 1353 9.90  | <b>SA</b> | 1627 3.17  | <b>SU</b> | 1422 9.44  | <b>MO</b> | 1722 1.93  | <b>TU</b> | 1429 8.78  |
|           |           |           | 2016 0.60  |           | 2304 8.50 |           | 2015 1.52  |           | 2227 8.67  |           | 2049 2.14  |           | 2320 9.24  |           | 2058 2.71  |
| <b>7</b>  | 0324 4.30 | <b>15</b> | 0211 10.04 | <b>23</b> | 0521 2.33 | <b>31</b> | 0209 9.08  | <b>7</b>  | 0446 2.20  | <b>15</b> | 0246 8.25  | <b>23</b> | 0531 1.96  |           |            |
|           | 1013 6.46 |           | 0821 1.19  |           | 1123 8.78 |           | 0814 2.14  |           | 1051 9.12  |           | 0847 3.03  |           | 1128 9.71  |           |            |
| <b>TH</b> | 1554 4.71 | <b>FR</b> | 1422 10.43 | <b>SA</b> | 1733 2.42 | <b>SU</b> | 1415 9.52  | <b>SU</b> | 1705 2.04  | <b>MO</b> | 1452 8.57  | <b>TU</b> | 1748 1.52  |           |            |
|           | 2159 7.40 |           | 2046 1.15  |           | 2329 9.14 |           | 2038 1.97  |           | 2304 9.59  |           | 2121 3.03  |           | 2344 9.51  |           |            |
| <b>8</b>  | 0436 3.15 | <b>16</b> | 0241 9.31  | <b>24</b> | 0545 1.83 |           |            | <b>8</b>  | 0520 1.47  | <b>16</b> | 0319 7.41  | <b>24</b> | 0555 1.77  |           |            |
|           | 1051 7.66 |           | 0846 1.87  |           | 1144 9.36 |           |            |           | 1121 10.02 |           | 0917 3.90  |           | 1151 10.00 |           |            |
| <b>FR</b> | 1651 3.51 | <b>SA</b> | 1450 9.73  | <b>SU</b> | 1757 1.88 |           |            | <b>MO</b> | 1739 1.17  | <b>TU</b> | 1526 7.58  | <b>WE</b> | 1813 1.25  |           |            |
|           | 2250 8.58 |           | 2114 1.93  |           | 2352 9.58 |           |            |           | 2337 10.20 |           | 2203 4.00  |           |            |           |            |

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 Datum of Predictions is Lowest Astronomical Tide

Moon Phase Symbols ● New Moon    ○ First Quarter    ○ Full Moon    ● Last Quarter

AUSTRALIA, NORTH-WEST COAST – YAMPI SOUND (KOOLAN ISLAND)

2024

LAT 16° 08' S LONG 123° 44' E

TIMES AND HEIGHTS OF HIGH AND LOW WATERS

TIME ZONE -0800

MAY

JUNE

Table containing tide data for May and June, including time and height in meters for various days of the week.

JULY

AUGUST

Table containing tide data for July and August, including time and height in meters for various days of the week.

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Datum of Predictions is Lowest Astronomical Tide

Moon Phase Symbols ● New Moon ○ First Quarter ○ Full Moon ● Last Quarter

# AUSTRALIA, NORTH-WEST COAST – YAMPI SOUND (KOOLAN ISLAND)

# 2024

LAT 16° 08' S LONG 123° 44' E

TIMES AND HEIGHTS OF HIGH AND LOW WATERS

TIME ZONE -0800

## SEPTEMBER

## OCTOBER

| Time      | m         | Time      | m         | Time      | m          | Time      | m         | Time      | m          | Time      | m         | Time      | m          |           |           |
|-----------|-----------|-----------|-----------|-----------|------------|-----------|-----------|-----------|------------|-----------|-----------|-----------|------------|-----------|-----------|
| <b>1</b>  | 0503 3.08 | <b>9</b>  | 0206 9.54 | <b>17</b> | 0506 2.35  | <b>25</b> | 0255 8.73 | <b>1</b>  | 0513 2.08  | <b>9</b>  | 0155 9.23 | <b>17</b> | 0512 1.07  | <b>25</b> | 0314 7.50 |
|           | 1103 8.39 |           | 0824 1.60 |           | 1105 9.26  |           | 0924 2.66 |           | 1110 9.09  |           | 0818 1.94 |           | 1112 9.95  |           | 0952 3.77 |
| <b>SU</b> | 1723 2.06 | <b>MO</b> | 1418 8.81 | <b>TU</b> | 1724 1.36  | <b>WE</b> | 1520 7.39 | <b>TU</b> | 1724 1.66  | <b>WE</b> | 1415 8.30 | <b>TH</b> | 1724 1.04  | <b>FR</b> | 1605 6.54 |
|           | 2328 8.53 |           | 2025 2.06 |           | 2327 9.48  |           | 2118 3.53 |           | 2324 9.40  |           | 2017 2.72 |           | 2324 10.52 |           | 2207 4.70 |
| <b>2</b>  | 0536 2.32 | <b>10</b> | 0227 9.12 | <b>18</b> | 0539 1.39  | <b>26</b> | 0328 7.66 | <b>2</b>  | 0538 1.52  | <b>10</b> | 0219 8.70 | <b>18</b> | 0546 0.42  | <b>26</b> | 0427 6.50 |
|           | 1133 9.06 |           | 0847 2.05 |           | 1138 10.04 |           | 1006 3.74 |           | 1134 9.53  |           | 0845 2.54 |           | 1145 10.32 |           | 1142 4.57 |
| <b>MO</b> | 1752 1.53 | <b>TU</b> | 1441 8.25 | <b>WE</b> | 1756 0.77  | <b>TH</b> | 1606 6.35 | <b>WE</b> | 1748 1.36  | <b>TH</b> | 1442 7.67 | <b>FR</b> | 1756 0.79  | <b>SA</b> | 1915 6.16 |
|           | 2353 9.12 |           | 2045 2.60 |           | 2356 10.24 |           | 2157 4.61 |           | 2345 9.81  |           | 2042 3.36 |           | 2355 10.92 |           |           |
| <b>3</b>  | 0603 1.78 | <b>11</b> | 0248 8.59 | <b>19</b> | 0612 0.67  | <b>27</b> | 0425 6.47 | <b>3</b>  | 0602 1.15  | <b>11</b> | 0247 8.01 | <b>19</b> | 0619 0.10  | <b>27</b> | 0159 4.95 |
|           | 1159 9.52 |           | 0912 2.64 |           | 1210 10.51 |           | 1227 4.69 |           | 1157 9.78  |           | 0919 3.32 |           | 1218 10.37 |           | 0809 6.37 |
| <b>TU</b> | 1818 1.22 | <b>WE</b> | 1506 7.57 | <b>TH</b> | 1827 0.44  | <b>FR</b> | 2043 5.86 | <b>TH</b> | 1809 1.22  | <b>FR</b> | 1518 6.87 | <b>SA</b> | 1828 0.80  | <b>SU</b> | 1446 4.18 |
|           |           |           | 2106 3.27 |           |            |           |           |           |            |           | 2113 4.19 |           |            |           | 2115 7.00 |
| <b>4</b>  | 0016 9.53 | <b>12</b> | 0314 7.92 | <b>20</b> | 0026 10.75 | <b>28</b> | 0257 5.04 | <b>4</b>  | 0006 10.08 | <b>12</b> | 0327 7.10 | <b>20</b> | 0026 10.99 | <b>28</b> | 0328 3.97 |
|           | 0629 1.42 |           | 0943 3.40 |           | 0645 0.22  |           | 0909 6.44 |           | 0624 0.93  |           | 1023 4.25 |           | 0653 0.12  |           | 0931 7.23 |
| <b>WE</b> | 1224 9.78 | <b>TH</b> | 1538 6.73 | <b>FR</b> | 1243 10.64 | <b>SA</b> | 1544 3.92 | <b>FR</b> | 1220 9.86  | <b>SA</b> | 1641 5.96 | <b>SU</b> | 1252 10.12 | <b>MO</b> | 1543 3.39 |
|           | 1841 1.06 |           | 2130 4.09 |           | 1857 0.40  |           | 2209 6.99 |           | 1831 1.21  |           | 2245 5.17 |           | 1859 1.06  |           | 2155 7.92 |
| <b>5</b>  | 0038 9.81 | <b>13</b> | 0347 7.06 | <b>21</b> | 0056 10.95 | <b>29</b> | 0411 3.88 | <b>5</b>  | 0028 10.19 | <b>13</b> | 0627 6.22 | <b>21</b> | 0059 10.72 | <b>29</b> | 0409 3.02 |
|           | 0653 1.19 |           | 1042 4.32 |           | 0718 0.12  |           | 1011 7.52 |           | 0647 0.86  |           | 1414 4.37 |           | 0727 0.48  |           | 1009 8.05 |
| <b>TH</b> | 1247 9.88 | <b>FR</b> | 1641 5.75 | <b>SA</b> | 1315 10.43 | <b>SU</b> | 1628 2.94 | <b>SA</b> | 1243 9.77  | <b>SU</b> | 2105 6.52 | <b>MO</b> | 1325 9.62  | <b>TU</b> | 1618 2.71 |
|           | 1903 1.03 |           | 2211 5.10 |           | 1928 0.63  |           | 2238 8.01 |           | 1852 1.31  |           |           |           | 1931 1.53  |           | 2223 8.68 |
| <b>6</b>  | 0101 9.96 | <b>14</b> | 0635 6.13 | <b>22</b> | 0126 10.81 | <b>30</b> | 0445 2.86 | <b>6</b>  | 0050 10.14 | <b>14</b> | 0309 4.47 | <b>22</b> | 0131 10.17 | <b>30</b> | 0439 2.24 |
|           | 0716 1.09 |           | 1458 4.36 |           | 0751 0.36  |           | 1044 8.42 |           | 0710 0.94  |           | 0911 7.14 |           | 0759 1.11  |           | 1038 8.68 |
| <b>FR</b> | 1311 9.82 | <b>SA</b> | 2157 6.24 | <b>SU</b> | 1347 9.93  | <b>MO</b> | 1658 2.17 | <b>SU</b> | 1306 9.55  | <b>MO</b> | 1535 3.32 | <b>TU</b> | 1358 8.96  | <b>WE</b> | 1647 2.21 |
|           | 1924 1.12 |           |           |           | 1956 1.11  |           | 2302 8.81 |           | 1913 1.52  |           | 2152 7.74 |           | 2001 2.17  |           | 2247 9.27 |
| <b>7</b>  | 0123 9.97 | <b>15</b> | 0339 4.68 | <b>23</b> | 0156 10.35 |           |           | <b>7</b>  | 0111 9.95  | <b>15</b> | 0400 3.18 | <b>23</b> | 0203 9.40  | <b>31</b> | 0506 1.65 |
|           | 0739 1.12 |           | 0940 7.04 |           | 0822 0.91  |           |           |           | 0732 1.15  |           | 1001 8.30 |           | 0832 1.92  |           | 1103 9.13 |
| <b>SA</b> | 1333 9.61 | <b>SU</b> | 1612 3.25 | <b>MO</b> | 1417 9.21  |           |           | <b>MO</b> | 1328 9.22  | <b>TU</b> | 1617 2.32 | <b>WE</b> | 1431 8.18  | <b>TH</b> | 1712 1.90 |
|           | 1944 1.32 |           | 2230 7.41 |           | 2024 1.77  |           |           |           | 1934 1.82  |           | 2224 8.88 |           | 2032 2.94  |           | 2310 9.69 |
| <b>8</b>  | 0144 9.83 | <b>16</b> | 0430 3.48 | <b>24</b> | 0225 9.64  |           |           | <b>8</b>  | 0133 9.64  | <b>16</b> | 0438 2.01 | <b>24</b> | 0236 8.49  |           |           |
|           | 0802 1.29 |           | 1029 8.23 |           | 0852 1.70  |           |           |           | 0755 1.48  |           | 1038 9.27 |           | 0906 2.82  |           |           |
| <b>SU</b> | 1356 9.27 | <b>MO</b> | 1651 2.20 | <b>TU</b> | 1448 8.35  |           |           | <b>TU</b> | 1351 8.81  | <b>WE</b> | 1651 1.55 | <b>TH</b> | 1508 7.36  |           |           |
|           | 2005 1.63 |           | 2258 8.52 |           | 2051 2.59  |           |           |           | 1955 2.22  |           | 2254 9.82 |           | 2107 3.79  |           |           |

## NOVEMBER

## DECEMBER

| Time      | m          | Time      | m          | Time      | m          | Time      | m         | Time      | m         | Time      | m         | Time      | m         | Time      | m         |
|-----------|------------|-----------|------------|-----------|------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| <b>1</b>  | 0531 1.25  | <b>9</b>  | 0248 8.04  | <b>17</b> | 0558 0.50  | <b>25</b> | 0602 6.54 | <b>1</b>  | 0532 1.46 | <b>9</b>  | 0359 7.86 | <b>17</b> | 0631 1.13 | <b>25</b> | 0551 6.66 |
|           | 1129 9.39  |           | 0922 3.17  |           | 1158 9.69  |           | 1240 4.26 |           | 1133 8.84 |           | 1029 3.11 |           | 1235 9.01 |           | 1205 4.16 |
| <b>FR</b> | 1736 1.73  | <b>SA</b> | 1531 7.15  | <b>SU</b> | 1805 1.52  | <b>MO</b> | 1924 6.94 | <b>SU</b> | 1736 2.35 | <b>MO</b> | 1650 7.70 | <b>TU</b> | 1840 2.17 | <b>WE</b> | 1842 7.19 |
|           | 2334 9.95  |           | 2135 4.16  |           |            |           |           |           | 2334 9.55 |           | 2312 3.77 |           |           |           |           |
| <b>2</b>  | 0556 1.02  | <b>10</b> | 0346 7.25  | <b>18</b> | 0005 10.50 | <b>26</b> | 0202 4.26 | <b>2</b>  | 0602 1.34 | <b>10</b> | 0518 7.35 | <b>18</b> | 0040 9.76 | <b>26</b> | 0132 4.09 |
|           | 1153 9.49  |           | 1037 3.87  |           | 0635 0.57  |           | 0806 6.72 |           | 1203 8.90 |           | 1145 3.50 |           | 0711 1.22 |           | 0742 6.50 |
| <b>SA</b> | 1800 1.69  | <b>SU</b> | 1710 6.65  | <b>MO</b> | 1236 9.52  | <b>TU</b> | 1421 4.02 | <b>MO</b> | 1807 2.30 | <b>TU</b> | 1812 7.65 | <b>WE</b> | 1315 9.01 | <b>TH</b> | 1343 4.34 |
|           | 2358 10.04 |           | 2332 4.69  |           | 1841 1.69  |           | 2042 7.48 |           |           |           |           |           | 1921 2.21 |           | 2011 7.32 |
| <b>3</b>  | 0621 0.96  | <b>11</b> | 0558 6.70  | <b>19</b> | 0041 10.24 | <b>27</b> | 0312 3.55 | <b>3</b>  | 0005 9.60 | <b>11</b> | 0050 3.69 | <b>19</b> | 0119 9.60 | <b>27</b> | 0256 3.67 |
|           | 1219 9.43  |           | 1254 4.07  |           | 0712 0.89  |           | 0914 7.28 |           | 0633 1.34 |           | 0658 7.20 |           | 0749 1.42 |           | 0905 6.82 |
| <b>SU</b> | 1824 1.77  | <b>MO</b> | 1938 6.98  | <b>TU</b> | 1313 9.19  | <b>WE</b> | 1520 3.55 | <b>TU</b> | 1233 8.87 | <b>WE</b> | 1314 3.57 | <b>TH</b> | 1353 8.92 | <b>FR</b> | 1503 4.12 |
|           |            |           |            |           | 1918 2.02  |           | 2129 8.09 |           | 1837 2.33 |           | 1940 7.96 |           | 1959 2.34 |           | 2115 7.71 |
| <b>4</b>  | 0021 9.98  | <b>12</b> | 0205 4.13  | <b>20</b> | 0118 9.78  | <b>28</b> | 0355 2.83 | <b>4</b>  | 0035 9.55 | <b>12</b> | 0217 3.15 | <b>20</b> | 0157 9.31 | <b>28</b> | 0354 3.09 |
|           | 0646 1.05  |           | 0813 7.18  |           | 0749 1.39  |           | 0957 7.85 |           | 0704 1.43 |           | 0827 7.52 |           | 0824 1.72 |           | 1002 7.30 |
| <b>MO</b> | 1244 9.25  | <b>TU</b> | 1432 3.47  | <b>WE</b> | 1351 8.75  | <b>TH</b> | 1601 3.10 | <b>WE</b> | 1305 8.78 | <b>TH</b> | 1432 3.33 | <b>FR</b> | 1429 8.75 | <b>SA</b> | 1600 3.73 |
|           | 1849 1.93  |           | 2053 7.92  |           | 1956 2.47  |           | 2204 8.65 |           | 1908 2.41 |           | 2048 8.49 |           | 2036 2.58 |           | 2204 8.18 |
| <b>5</b>  | 0047 9.79  | <b>13</b> | 0315 3.05  | <b>21</b> | 0156 9.18  | <b>29</b> | 0430 2.21 | <b>5</b>  | 0107 9.43 | <b>13</b> | 0324 2.46 | <b>21</b> | 0233 8.93 | <b>29</b> | 0439 2.54 |
|           | 0711 1.26  |           | 0919 8.05  |           | 0826 2.00  |           | 1032 8.32 |           | 0735 1.59 |           | 0931 7.99 |           | 0858 2.10 |           | 1047 7.77 |
| <b>TU</b> | 1309 8.98  | <b>WE</b> | 1529 2.73  | <b>TH</b> | 1430 8.25  | <b>FR</b> | 1635 2.74 | <b>TH</b> | 1338 8.65 | <b>FR</b> | 1533 2.98 | <b>SA</b> | 1504 8.52 | <b>SU</b> | 1645 3.32 |
|           | 1913 2.18  |           | 2139 8.89  |           | 2034 3.01  |           | 2235 9.09 |           | 1941 2.56 |           | 2143 9.01 |           | 2112 2.89 |           | 2246 8.63 |
| <b>6</b>  | 0112 9.52  | <b>14</b> | 0402 2.01  | <b>22</b> | 0234 8.50  | <b>30</b> | 0501 1.75 | <b>6</b>  | 0141 9.22 | <b>14</b> | 0418 1.85 | <b>22</b> | 0309 8.44 | <b>30</b> | 0518 2.08 |
|           | 0737 1.57  |           | 1005 8.83  |           | 0905 2.66  |           | 1103 8.65 |           | 0810 1.84 |           | 1023 8.42 |           | 0931 2.55 |           | 1125 8.17 |
| <b>WE</b> | 1336 8.66  | <b>TH</b> | 1613 2.13  | <b>FR</b> | 1512 7.74  | <b>SA</b> | 1706 2.49 | <b>FR</b> | 1414 8.48 | <b>SA</b> | 1625 2.65 | <b>SU</b> | 1541 8.21 | <b>MO</b> | 1724 2.97 |
|           | 1939 2.50  |           | 2217 9.68  |           | 2117 3.60  |           | 2305 9.39 |           | 2018 2.80 |           | 2231 9.42 |           | 2153 3.29 |           | 2324 9.01 |
| <b>7</b>  | 0139 9.16  | <b>15</b> | 0442 1.22  | <b>23</b> | 0318 7.77  |           |           | <b>7</b>  | 0219 8.89 | <b>15</b> | 0505 1.43 | <b>23</b> | 0348 7.86 | <b>31</b> | 0555 1.74 |
|           | 0806 1.98  |           | 1044 9.37  |           | 0950 3.32  |           |           |           | 0848 2.19 |           | 1110 8.73 |           | 1009 3.07 |           | 1200 8.49 |
| <b>TH</b> | 1406 8.25  | <b>FR</b> | 1651 1.73  | <b>SA</b> | 1605 7.23  |           |           | <b>SA</b> | 1455 8.24 | <b>SU</b> | 1713 2.41 | <b>MO</b> | 1624 7.83 | <b>TU</b> | 1801 2.67 |
|           | 2008 2.92  |           | 2253 10.22 |           | 2215 4.18  |           |           |           | 2102 3.12 |           | 2315 9.68 |           | 2242 3.72 |           |           |
| <b>8</b>  | 0210 8.68  | <b>16</b> | 0520 0.71  | <b>24</b> | 0418 7.04  |           |           | <b>8</b>  | 0302 8.42 | <b>16</b> | 0549 1.20 | <b>24</b> | 0437 7.23 |           |           |
|           | 0839 2.51  |           | 1122 9.65  |           | 1052 3.94  |           |           |           | 0933 2.63 |           | 1153 8.92 |           | 1055 3.65 |           |           |
| <b>FR</b> | 1441 7.75  | <b>SA</b> | 1728 1.53  | <b>SU</b> | 1724 6.85  |           |           | <b>SU</b> | 1545 7.95 | <b>MO</b> | 1758 2.24 | <b>TU</b> | 1720 7.43 |           |           |
|           | 2043 3.47  |           | 2329 10.50 |           | 2353 4.57  |           |           |           | 2157 3.49 |           | 2358 9.79 |           | 2352 4.08 |           |           |

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 Datum of Predictions is Lowest Astronomical Tide

Moon Phase Symbols ● New Moon ○ First Quarter ○ Full Moon ● Last Quarter

| ALBANY |     |      |       |       |     |      |       |
|--------|-----|------|-------|-------|-----|------|-------|
| Month  | Day | Time | Ht(m) | Month | Day | Time | Ht(m) |
| Feb    | 1   | 1859 | 0.70  | Apr   | 27  | 2323 | 0.59  |
|        |     | 2338 | 0.76  |       | 28  | 0250 | 0.58  |
|        | 14  | 2019 | 0.66  | Sep   | 1   | 0012 | 0.70  |
|        |     | 2232 | 0.68  |       |     | 0314 | 0.67  |
| Mar    | 13  | 1936 | 0.57  |       | 28  | 0006 | 0.77  |
|        |     | 2324 | 0.63  |       |     | 0309 | 0.74  |

| BUNBURY |     |      |       |       |      |      |       |       |      |      |       |
|---------|-----|------|-------|-------|------|------|-------|-------|------|------|-------|
| Month   | Day | Time | Ht(m) | Month | Day  | Time | Ht(m) | Month | Day  | Time | Ht(m) |
| Feb     | 13  | 1851 | 0.64  | Jul   | 27   | 1435 | 0.65  | Sep   | 9    | 1109 | 0.50  |
|         | 14  | 0054 | 0.60  |       |      | 1604 | 0.66  |       |      | 1245 | 0.52  |
|         |     |      | 1752  | 0.64  | Aug  | 10   | 1051  |       | 0.72 | Nov  | 11    |
|         |     | 1913 | 0.65  | 1222  |      |      | 0.74  | 0048  | 0.66 |      |       |
|         | 28  | 2017 | 0.66  | 23    |      |      | 0641  | 0.62  | 0227 |      |       |
|         |     | 2156 | 0.64  |       | 0757 | 0.61 | 0333  | 0.66  |      |      |       |
|         | 29  | 2250 | 0.58  | 24    | 0531 | 0.60 |       |       |      |      |       |
| Mar     | 1   | 0018 | 0.60  |       | 0702 | 0.63 |       |       |      |      |       |
| Jul     | 26  | 1353 | 0.77  | 25    | 0630 | 0.65 |       |       |      |      |       |
|         |     | 1451 | 0.78  |       | 0722 | 0.66 |       |       |      |      |       |

| DENHAM |     |      |       |
|--------|-----|------|-------|
| Month  | Day | Time | Ht(m) |
| Jun    | 16  | 1649 | 0.82  |
|        |     | 1910 | 0.83  |

| ESPERANCE |      |      |       |       |      |      |       |       |      |      |       |      |      |
|-----------|------|------|-------|-------|------|------|-------|-------|------|------|-------|------|------|
| Month     | Day  | Time | Ht(m) | Month | Day  | Time | Ht(m) | Month | Day  | Time | Ht(m) |      |      |
| Jan       | 17   | 1448 | 0.66  | Mar   | 14   | 2007 | 0.57  | Sep   | 27   | 0007 | 0.76  |      |      |
|           |      | 1610 | 0.65  |       |      | 2233 | 0.63  |       |      | 0332 | 0.73  |      |      |
|           |      | Feb  | 2     | 1751  | 0.66 | Aug  | 4     | 0012  | 0.63 | Oct  | 25    | 0519 | 0.75 |
|           |      |      |       | 1858  | 0.66 |      |       | 0316  | 0.57 |      |       | 0714 | 0.77 |
| 2058      | 0.68 |      |       | 17    | 0006 |      |       | 0.67  | Nov  |      |       | 25   | 0411 |
| 2335      | 0.70 |      |       |       | 0202 | 0.65 | 0506  | 0.64  |      |      |       |      |      |
| 14        | 1954 |      |       | 0.57  | 31   | 0016 | 0.66  |       |      |      |       |      |      |
|           | 2339 |      |       | 0.69  |      | 0253 | 0.62  |       |      |      |       |      |      |
| Mar       | 1    | 1939 | 0.58  | Sep   | 14   | 0015 | 0.71  |       |      |      |       |      |      |
|           |      | 2345 | 0.71  |       |      | 0129 | 0.70  |       |      |      |       |      |      |



| FREMANTLE |     |      |       |       |     |      |       |       |      |      |       |
|-----------|-----|------|-------|-------|-----|------|-------|-------|------|------|-------|
| Month     | Day | Time | Ht(m) | Month | Day | Time | Ht(m) | Month | Day  | Time | Ht(m) |
| Jan       | 31  | 2239 | 0.85  | Jun   | 2   | 2046 | 0.91  | Oct   | 7    | 1356 | 0.63  |
|           |     | 2309 | 0.85  |       |     | 2234 | 0.90  |       |      | 1431 | 0.63  |
| Feb       | 29  | 2206 | 0.78  | Aug   | 24  | 0944 | 0.74  |       | 26   | 0226 | 0.86  |
|           |     | 2311 | 0.78  |       |     | 1051 | 0.74  |       |      | 0330 | 0.86  |
| Mar       | 13  | 2107 | 0.70  | Sep   | 8   | 0829 | 0.73  | 27    | 0118 | 0.81 |       |
|           |     | 2224 | 0.70  |       |     | 0931 | 0.72  |       | 0215 | 0.80 |       |
|           |     | 2236 | 0.67  |       |     | 0730 | 0.71  |       |      |      |       |
| Jun       | 1   | 2315 | 0.67  |       |     | 0815 | 0.72  |       |      |      |       |
|           |     | 1243 | 0.98  |       |     | 1346 | 0.66  |       |      |      |       |
|           |     | 1303 | 0.98  |       |     | 1408 | 0.66  |       |      |      |       |

| GERALDTON |     |      |       |       |      |      |       |       |     |      |       |
|-----------|-----|------|-------|-------|------|------|-------|-------|-----|------|-------|
| Month     | Day | Time | Ht(m) | Month | Day  | Time | Ht(m) | Month | Day | Time | Ht(m) |
| Jan       | 16  | 2214 | 0.70  | Mar   | 27   | 2057 | 0.65  | Apr   | 27  | 1911 | 0.48  |
|           | 17  | 0010 | 0.68  |       |      | 2125 | 0.65  |       |     | 2031 | 0.50  |
| Feb       | 1   | 0037 | 0.67  |       |      | 2059 | 0.60  | Sep   | 7   | 0925 | 0.56  |
|           |     | 0123 | 0.67  | 2208  | 0.59 | 1033 | 0.55  |       |     |      |       |
| Mar       | 13  | 2034 | 0.55  | Apr   | 26   | 2026 | 0.51  | Oct   | 26  | 2129 | 0.63  |
|           |     | 2213 | 0.53  |       |      | 2113 | 0.51  |       |     | 27   | 0305  |

| HARVEY ESTUARY |     |      |       |
|----------------|-----|------|-------|
| Month          | Day | Time | Ht(m) |
| Feb            | 27  | 1845 | 0.49  |
|                |     | 2359 | 0.54  |

| ONSLOW |     |      |       |
|--------|-----|------|-------|
| Month  | Day | Time | Ht(m) |
| May    | 16  | 0830 | 1.65  |
|        |     | 0909 | 1.65  |
| Aug    | 29  | 1958 | 1.50  |
|        |     | 2047 | 1.50  |
| Oct    | 25  | 2130 | 1.53  |
|        |     | 2227 | 1.52  |
| Nov    | 22  | 2032 | 1.42  |
|        |     | 2103 | 1.41  |

| PERTH (BARRACK ST) |     |      |       |
|--------------------|-----|------|-------|
| Month              | Day | Time | Ht(m) |
| Jan                | 31  | 2001 | 0.87  |
|                    |     | 2313 | 0.88  |
| Feb                | 13  | 1936 | 0.83  |
|                    |     | 2335 | 0.85  |
| Sep                | 29  | 0030 | 0.81  |
|                    |     | 0155 | 0.81  |