



NSW Tides

2019–2020



Tidal predictions for Sydney Harbour

with moon phases

July 2019 – June 2020

Tidal predictions are calculated by the Tidal Unit, Bureau of Meteorology from daily tide recordings made at Fort Denison in Sydney Harbour.

Tide heights refer to zero on the Fort Denison Tide Gauge, being approximately the level of the Lowest Astronomical Tide.

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

Tide heights are quoted in metres. Tide heights of 1.7 metres or more, and 0.3 metres or less, are highlighted for trip planning and risk awareness.

Users of these tables should be aware that the heights shown in this publication are predictions for average meteorological conditions only and that the actual water level height may vary due to meteorological conditions (including barometric pressure, wind effect and storm surges) and seasonal variations.

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JULY / AUGUST 2019

SYDNEY (FORT DENISON)

LAT 33° 51' S

LONG 151° 14' E

TIMES AND HEIGHTS OF HIGH AND LOW WATERS

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

JULY 2019

AUGUST 2019

Time	m	Time	m	Time	m	Time	m	Time	m	Time	m
1 MO	0101 0.47 0651 1.41 1236 0.49 1910 1.88	12 FR	0425 1.37 1026 0.52 1703 1.68 2340 0.55	23 TU	0625 0.52 1240 1.34 1821 0.72	1 TH	0219 0.19 0817 1.45 1357 0.36 2028 2.04	12 MO	0025 0.48 0614 1.24 1145 0.57 1824 1.68	23 FR	0044 1.29 0657 0.57 1331 1.43 1951 0.67
2 TU	0148 0.37 0742 1.43 1322 0.47 1956 1.97	13 SA	0527 1.34 1115 0.53 1755 1.74	24 WE	0030 1.45 0707 0.55 1330 1.37 1920 0.75	2 FR	0307 0.14 0908 1.50 1450 0.33 2118 2.05	13 TU	0109 0.43 0700 1.27 1232 0.55 1906 1.71	24 SA	0144 1.22 0749 0.60 1430 1.46 2108 0.65
3 WE	0236 0.30 0832 1.44 1411 0.46 2044 2.02	14 SU	0037 0.49 0623 1.32 1202 0.54 1842 1.78	25 TH	0121 1.37 0753 0.57 1423 1.40 2028 0.75	3 SA	0356 0.13 1000 1.55 1544 0.34 2209 2.00	14 WE	0146 0.39 0739 1.31 1314 0.52 1945 1.73	25 SU	0258 1.18 0852 0.61 1534 1.52 2222 0.57
4 TH	0326 0.25 0925 1.45 1501 0.46 2133 2.04	15 MO	0125 0.44 0713 1.32 1247 0.55 1925 1.81	26 FR	0221 1.30 0843 0.58 1518 1.46 2141 0.72	4 SU	0444 0.16 1051 1.54 1640 0.37 2300 1.89	15 TH	0221 0.37 0815 1.34 1351 0.50 2020 1.74	26 MO	0415 1.19 0959 0.58 1637 1.62 2326 0.45
5 FR	0415 0.23 1018 1.46 1555 0.47 2224 2.01	16 TU	0207 0.41 0757 1.33 1329 0.55 2005 1.82	27 SA	0329 1.26 0935 0.58 1614 1.54 2249 0.63	5 MO	0532 0.22 1145 1.55 1738 0.43 2352 1.73	16 FR	0253 0.36 0850 1.36 1428 0.49 2054 1.72	27 TU	0521 1.25 1101 0.52 1735 1.74
6 SA	0508 0.25 1113 1.46 1651 0.50 2316 1.93	17 WE	0245 0.39 0838 1.33 1408 0.56 2043 1.81	28 SU	0436 1.26 1029 0.56 1707 1.65 2348 0.52	6 TU	0621 0.31 1239 1.55 1841 0.50	17 SA	0325 0.36 0924 1.38 1504 0.49 2128 1.69	28 WE	0020 0.32 0618 1.34 1158 0.43 1829 1.87
7 SU	0600 0.29 1209 1.46 1750 0.55	18 TH	0322 0.40 0917 1.34 1446 0.57 2119 1.79	29 MO	0537 1.29 1121 0.52 1758 1.77	7 WE	0048 1.56 0712 0.40 1337 1.55 1950 0.56	18 SU	0357 1.39 0959 1.37 1542 0.50 2201 1.64	29 TH	0110 0.20 0710 1.43 1252 0.34 1920 1.96
8 MO	0011 1.82 0654 0.34 1308 1.48 1854 0.59	19 FR	0358 0.41 0955 1.34 1525 0.58 2154 1.75	30 TU	0041 0.40 0633 1.35 1214 0.46 1848 1.89	8 TH	0150 1.40 0804 0.49 1438 1.56 2107 0.59	19 MO	0429 0.40 1035 1.40 1621 0.53 2236 1.57	30 FR	0158 0.12 0759 1.52 1345 0.26 2011 2.01
9 TU	0109 1.69 0747 0.40 1408 1.51 2004 0.63	20 SA	0433 0.43 1033 1.33 1603 0.61 2230 1.69	31 WE	0130 0.28 0726 1.40 1305 0.41 1938 1.98	9 FR	0259 1.28 0900 0.55 1541 1.57 2224 0.58	20 TU	0501 0.43 1113 1.41 1704 0.57 2314 1.48	31 SA	0244 0.07 0847 1.59 1438 0.22 2100 1.99
10 WE	0212 1.56 0841 0.45 1508 1.55 2119 0.64	21 SU	0509 0.46 1113 1.33 1645 0.64 2306 1.62			10 SA	0412 1.22 0958 0.59 1642 1.61 2331 0.53	21 WE	0535 0.47 1154 1.41 1751 0.62 2355 1.39		
11 TH	0318 1.45 0934 0.49 1607 1.61 2233 0.61	22 MO	0545 0.49 1154 1.33 1730 0.68 2345 1.54			11 SU	0518 1.21 1054 0.59 1736 1.65	22 TH	0614 0.52 1240 1.41 1846 0.65		

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Bureau of Meteorology

Indicates high tide of 1.7m or more

Indicates low tide of 0.3m or less

New Moon ●

First Quarter ◐

Full Moon ○

Last Quarter ◑

SEPTEMBER / OCTOBER 2019

SYDNEY (FORT DENISON)

LAT 33° 51' S

LONG 151° 14' E

TIMES AND HEIGHTS OF HIGH AND LOW WATERS

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

SEPTEMBER 2019

	Time	m		Time	m		Time	m
1 SU	0329	0.08	12 TH	0117	0.39	23 MO	0241	1.15
	0936	1.64		0715	1.34		0822	0.65
	1531	0.22		1258	0.50		1501	1.53
	2150	1.91		1920	1.65		2159	0.50
2 MO	0414	0.14	13 FR	0149	0.36	24 TU	0400	1.19
	1025	1.66		0749	1.39		0938	0.61
	1627	0.26		1335	0.46		1612	1.61
	2241	1.77		1955	1.66		2302	0.39
3 TU	0500	0.23	14 SA	0219	0.34	25 WE	0506	1.28
	1115	1.65		0821	1.43		1046	0.52
	1725	0.34		1410	0.43		1715	1.72
	2333	1.59		2028	1.65		2356	0.27
4 WE	0545	0.34	15 SU	0249	0.34	26 TH	0600	1.40
	1207	1.63		0853	1.47		1145	0.41
	1827	0.42		1446	0.42		1810	1.83
				2100	1.62			
5 TH	0029	1.41	16 MO	0318	0.35	27 FR	0045	0.17
	0632	0.46		0926	1.49		0650	1.52
	1302	1.58		1523	0.42		1241	0.30
	1935	0.50		2135	1.57		1901	1.90
6 FR	0130	1.26	17 TU	0348	0.38	28 SA	0130	0.11
	0725	0.56		1000	1.51		0738	1.63
	1403	1.54		1601	0.45		1334	0.21
	2051	0.55		2210	1.50		1952	1.91
7 SA	0243	1.16	18 WE	0419	0.42	29 SU	0215	0.09
	0826	0.63		1036	1.52		0824	1.71
	1509	1.52		1644	0.48		1427	0.17
	2206	0.55		2248	1.41		2042	1.86
8 SU	0400	1.13	19 TH	0452	0.47	30 MO	0258	0.13
	0932	0.66		1115	1.52		0911	1.77
	1615	1.52		1730	0.52		1520	0.17
	2311	0.52		2330	1.32		2131	1.76
9 MO	0506	1.17	20 FR	0530	0.53			
	1036	0.64		1159	1.50			
	1714	1.55		1823	0.56			
10 TU	0001	0.48	21 SA	0021	1.24			
	0558	1.22		0615	0.59			
	1131	0.60		1249	1.49			
	1802	1.59		1927	0.59			
11 WE	0042	0.43	22 SU	0124	1.17			
	0639	1.29		0711	0.64			
	1217	0.55		1351	1.49			
	1844	1.62		2043	0.57			

OCTOBER 2019

	Time	m		Time	m		Time	m
1 TU	0341	0.20	12 SA	0211	0.38	23 WE	0445	1.26
	0959	1.78		0818	1.47		1022	0.63
	1615	0.21		1416	0.46		1648	1.61
	2222	1.61		2026	1.57		2334	0.36
2 WE	0424	0.31	13 SU	0241	0.36	24 TH	0547	1.37
	1045	1.76		0850	1.53		1131	0.54
	1711	0.29		1453	0.42		1752	1.69
	2315	1.45		2100	1.56			
3 TH	0508	0.43	14 MO	0310	0.36	25 FR	0027	0.27
	1134	1.70		0922	1.58		0640	1.50
	1810	0.38		1530	0.39		1233	0.42
				2135	1.53		1848	1.75
4 FR	0010	1.30	15 TU	0339	0.38	26 SA	0115	0.21
	0554	0.55		0954	1.62		0728	1.63
	1227	1.62		1607	0.38		1330	0.31
	1915	0.47		2211	1.49		1942	1.77
5 SA	0111	1.19	16 WE	0410	0.41	27 SU	0200	0.18
	0646	0.65		1029	1.65		0815	1.74
	1324	1.54		1646	0.39		1425	0.23
	2025	0.53		2249	1.43		2032	1.75
6 SU	0322	1.13	17 TH	0442	0.45	28 MO	0243	0.19
	0849	0.72		1105	1.66		0900	1.83
	1529	1.48		1729	0.41		1517	0.18
	2233	0.55		2330	1.36		2123	1.68
7 MO	0437	1.13	18 FR	0518	0.50	29 TU	0326	0.24
	1001	0.73		1145	1.64		0946	1.87
	1638	1.45		1815	0.44		1610	0.18
	2333	0.53					2214	1.58
8 TU	0541	1.18	19 SA	0016	1.29	30 WE	0408	0.32
	1111	0.70		0559	0.57		1032	1.87
	1739	1.47		1230	1.61		1702	0.22
				1909	0.48		2304	1.47
9 WE	0023	0.50	20 SU	0111	1.22	31 TH	0450	0.42
	0630	1.26		0647	0.63		1117	1.83
	1209	0.65		1321	1.58		1755	0.29
	1830	1.50		2012	0.51		2356	1.36
10 TH	0103	0.45	21 MO	0215	1.18			
	0710	1.33		0749	0.67			
	1258	0.58		1424	1.55			
	1913	1.53		2124	0.49			
11 FR	0139	0.41	22 TU	0330	1.19			
	0745	1.41		0903	0.68			
	1339	0.51		1535	1.56			
	1950	1.56		2233	0.44			

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Indicates high tide of 1.7m or more

Indicates low tide of 0.3m or less

New Moon ●

First Quarter ●

Full Moon ○

Last Quarter ●

NOVEMBER / DECEMBER 2019

SYDNEY (FORT DENISON)

LAT 33° 51' S

LONG 151° 14' E

TIMES AND HEIGHTS OF HIGH AND LOW WATERS

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NOVEMBER 2019

DECEMBER 2019

Time	m	Time	m	Time	m	Time	m	Time	m	Time	m
1 FR	0533 0.52 1203 1.76 1849 0.37	12 TU ○	0230 0.41 0851 1.69 1513 0.39 2110 1.45	23 SA	0616 1.58 1222 0.46 1828 1.61	1 SU	0024 1.26 0547 0.64 1218 1.69 1911 0.45	12 TH ○	0230 0.46 0900 1.82 1537 0.33 2131 1.38	23 MO	0014 0.41 0645 1.72 1317 0.42 1910 1.41
2 SA	0049 1.26 0618 0.62 1251 1.66 1946 0.46	13 WE	0301 0.42 0926 1.74 1552 0.35 2149 1.42	24 SU	0044 0.29 0705 1.71 1322 0.36 1923 1.60	2 MO	0114 1.22 0634 0.70 1302 1.59 2000 0.51	13 FR	0310 0.46 0942 1.87 1620 0.29 2217 1.37	24 TU	0101 0.42 0735 1.80 1414 0.35 2005 1.39
3 SU	0146 1.19 0709 0.71 1342 1.56 2046 0.52	14 TH	0336 0.45 1002 1.78 1633 0.34 2232 1.38	25 MO	0129 0.29 0753 1.81 1417 0.29 2016 1.56	3 TU	0206 1.20 0727 0.75 1350 1.50 2050 0.55	14 SA	0353 0.48 1025 1.89 1706 0.28 2306 1.36	25 WE	0148 0.43 0822 1.86 1503 0.30 2056 1.37
4 MO ●	0249 1.16 0809 0.76 1440 1.47 2145 0.56	15 FR	0413 0.48 1042 1.79 1717 0.35 2317 1.34	26 TU	0213 0.32 0839 1.88 1510 0.24 2108 1.50	4 WE ○	0302 1.21 0828 0.78 1445 1.43 2142 0.56	15 SU	0440 0.50 1111 1.89 1755 0.28 2358 1.34	26 TH ●	0232 0.46 0907 1.89 1550 0.28 2144 1.36
5 TU	0356 1.17 0919 0.78 1545 1.42 2242 0.56	16 SA	0454 0.53 1125 1.77 1805 0.37	27 WE ●	0255 0.36 0925 1.91 1600 0.23 2158 1.44	5 TH	0400 1.25 0936 0.79 1547 1.38 2231 0.55	16 MO	0530 0.53 1200 1.85 1846 0.31	27 FR	0315 0.48 0950 1.88 1633 0.29 2229 1.34
6 WE	0457 1.22 1030 0.76 1649 1.41 2331 0.53	17 SU	0008 1.29 0541 0.58 1212 1.74 1859 0.40	28 TH	0338 0.43 1009 1.91 1648 0.25 2247 1.37	6 FR	0456 1.32 1045 0.76 1649 1.35 2318 0.53	17 TU	0052 1.33 0626 0.57 1252 1.78 1941 0.34	28 SA	0358 0.52 1031 1.84 1714 0.33 2311 1.31
7 TH	0547 1.30 1134 0.71 1745 1.42	18 MO	0103 1.26 0634 0.63 1304 1.69 1959 0.42	29 FR	0420 0.50 1053 1.86 1736 0.31 2335 1.31	7 SA	0544 1.40 1149 0.70 1745 1.35	18 WE	0151 1.34 0727 0.60 1348 1.70 2038 0.36	29 SU	0439 0.56 1111 1.78 1754 0.38 2353 1.29
8 FR	0015 0.49 0630 1.38 1228 0.64 1832 1.45	19 TU	0207 1.24 0737 0.67 1405 1.64 2103 0.42	30 SA	0503 0.57 1136 1.79 1824 0.38	8 SU	0000 0.51 0628 1.49 1244 0.62 1836 1.36	19 TH ○	0254 1.37 0834 0.62 1450 1.61 2134 0.38	30 MO	0520 0.60 1149 1.71 1833 0.43
9 SA	0052 0.46 0709 1.47 1314 0.56 1915 1.46	20 WE ○	0316 1.27 0849 0.67 1513 1.61 2206 0.40			9 MO	0039 0.49 0706 1.58 1331 0.54 1921 1.37	20 FR	0357 1.43 0948 0.62 1558 1.53 2230 0.39	31 TU	0035 1.27 0602 0.65 1227 1.62 1913 0.48
10 SU	0126 0.43 0744 1.55 1355 0.49 1954 1.47	21 TH	0424 1.35 1005 0.63 1623 1.60 2303 0.36			10 TU	0115 0.47 0745 1.67 1415 0.46 2005 1.37	21 SA	0457 1.52 1102 0.58 1705 1.48 2323 0.40		
11 MO	0158 0.41 0817 1.62 1434 0.43 2031 1.47	22 FR	0523 1.46 1116 0.56 1729 1.61 2355 0.32			11 WE	0152 0.46 0821 1.75 1456 0.39 2047 1.38	22 SU	0552 1.62 1214 0.51 1810 1.44		

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New Moon ●

First Quarter ○

Full Moon ○

Last Quarter ○

JANUARY / FEBRUARY 2020

SYDNEY (FORT DENISON)

LAT 33° 51' S

LONG 151° 14' E

TIMES AND HEIGHTS OF HIGH AND LOW WATERS

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JANUARY 2020

Time	m	Time	m	Time	m
1 WE 0119 1.27 0648 0.70 1307 1.54 1955 0.52		12 SU 0340 0.42 1011 1.98 1652 0.20 2252 1.43		23 TH 0132 0.52 0809 1.80 1454 0.36 2045 1.32	
2 TH 0207 1.27 0741 0.74 1352 1.45 2039 0.55		13 MO 0430 0.42 1059 1.98 1739 0.20 2342 1.44		24 FR 0218 0.51 0853 1.82 1535 0.34 2128 1.34	
3 FR 0300 1.30 0842 0.77 1445 1.37 2128 0.57		14 TU 0522 0.43 1147 1.93 1827 0.23		25 SA 0300 0.51 0933 1.82 1613 0.33 2207 1.36	
4 SA 0356 1.34 0951 0.77 1547 1.30 2217 0.58		15 WE 0033 1.45 0617 0.47 1238 1.83 1916 0.28		26 SU 0340 0.51 1011 1.80 1647 0.35 2244 1.36	
5 SU 0450 1.41 1103 0.74 1654 1.26 2306 0.58		16 TH 0129 1.46 0716 0.52 1331 1.70 2007 0.35		27 MO 0418 0.52 1046 1.76 1721 0.38 2320 1.36	
6 MO 0541 1.49 1209 0.67 1756 1.26 2353 0.56		17 FR 0226 1.48 0821 0.56 1430 1.56 2100 0.41		28 TU 0456 0.54 1121 1.70 1754 0.41 2356 1.36	
7 TU 0628 1.58 1304 0.58 1851 1.28		18 SA 0327 1.51 0934 0.59 1535 1.43 2155 0.47		29 WE 0535 0.58 1156 1.63 1827 0.45	
8 WE 0038 0.54 0712 1.68 1353 0.48 1941 1.31		19 SU 0430 1.56 1053 0.59 1647 1.33 2252 0.51		30 TH 0034 1.36 0616 0.62 1231 1.54 1901 0.50	
9 TH 0122 0.51 0755 1.78 1438 0.38 2029 1.34		20 MO 0530 1.63 1209 0.54 1800 1.29 2348 0.53		31 FR 0115 1.36 0703 0.67 1311 1.44 1940 0.54	
10 FR 0206 0.47 0840 1.87 1522 0.30 2115 1.38		21 TU 0628 1.69 1315 0.47 1903 1.28			
11 SA 0252 0.44 0925 1.94 1606 0.24 2203 1.41		22 WE 0043 0.53 0721 1.75 1409 0.41 1959 1.30			

FEBRUARY 2020

Time	m	Time	m	Time	m
1 SA 0202 1.36 0758 0.71 1357 1.35 2023 0.59		12 WE 0512 0.32 1132 1.92 1800 0.20		23 SU 0247 0.51 0914 1.74 1545 0.37 2142 1.42	
2 SU 0255 1.38 0901 0.74 1454 1.26 2113 0.63		13 TH 0010 1.60 0607 0.36 1223 1.79 1846 0.28		24 MO 0324 0.49 0948 1.73 1615 0.38 2215 1.44	
3 MO 0352 1.41 1015 0.74 1603 1.20 2209 0.65		14 FR 0101 1.60 0706 0.43 1315 1.63 1933 0.39		25 TU 0400 0.49 1021 1.70 1645 0.39 2247 1.46	
4 TU 0451 1.47 1130 0.68 1718 1.19 2309 0.64		15 SA 0157 1.59 0811 0.51 1413 1.45 2024 0.49		26 WE 0435 0.50 1054 1.65 1715 0.42 2320 1.47	
5 WE 0548 1.55 1235 0.59 1825 1.22		16 SU 0256 1.58 0924 0.57 1519 1.31 2121 0.58		27 TH 0513 0.52 1127 1.59 1744 0.46 2354 1.48	
6 TH 0005 0.60 0641 1.66 1329 0.48 1921 1.28		17 MO 0401 1.58 1045 0.58 1638 1.22 2225 0.64		28 FR 0553 0.56 1202 1.51 1815 0.51	
7 FR 0059 0.54 0731 1.78 1416 0.36 2011 1.35		18 TU 0509 1.60 1202 0.56 1756 1.20 2330 0.65		29 SA 0031 1.48 0636 0.60 1240 1.41 1848 0.57	
8 SA 0148 0.46 0819 1.89 1501 0.26 2059 1.43		19 WE 0612 1.63 1306 0.50 1900 1.24			
9 SU 0238 0.39 0908 1.97 1546 0.18 2145 1.49		20 TH 0031 0.62 0707 1.67 1356 0.45 1950 1.29			
10 MO 0328 0.34 0956 2.02 1631 0.14 2232 1.55		21 FR 0123 0.58 0755 1.71 1436 0.41 2031 1.34			
11 TU 0419 0.31 1044 2.00 1715 0.15 2321 1.58		22 SA 0208 0.54 0836 1.73 1512 0.38 2108 1.39			

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MARCH / APRIL 2020

SYDNEY (FORT DENISON)

LAT 33° 51' S

LONG 151° 14' E

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MARCH 2020

Time	m	Time	m	Time	m
1 SU	0113 1.47 0726 0.65 1323 1.32 1927 0.63	12 TH	0501 0.26 1116 1.84 1730 0.25 2345 1.77	23 MO	0231 0.54 0846 1.66 1509 0.43 2114 1.51
2 MO	0200 1.45 0824 0.69 1416 1.23 2015 0.69	13 FR	0558 0.31 1207 1.69 1815 0.36	24 TU	0306 0.50 0920 1.66 1538 0.42 2144 1.56
3 TU	0257 1.45 0935 0.70 1526 1.17 2116 0.72	14 SA	0034 1.75 0657 0.98 1300 1.52 1900 0.48	25 WE	0342 0.49 0953 1.63 1606 0.44 2215 1.59
4 WE	0401 1.48 1054 0.66 1649 1.17 2230 0.72	15 SU	0127 1.71 0801 0.47 1400 1.36 1949 0.60	26 TH	0417 0.48 1027 1.59 1634 0.46 2246 1.61
5 TH	0510 1.55 1203 0.57 1803 1.22 2339 0.66	16 MO	0225 1.65 0915 0.54 1510 1.24 2049 0.70	27 FR	0454 0.50 1101 1.53 1702 0.51 2319 1.62
6 FR	0612 1.66 1300 0.45 1901 1.32	17 TU	0332 1.59 1031 0.58 1631 1.19 2200 0.75	28 SA	0533 0.52 1138 1.45 1733 0.56 2354 1.62
7 SA	0039 0.56 0707 1.78 1350 0.33 1951 1.43	18 WE	0444 1.57 1144 0.57 1748 1.21 2315 0.75	29 SU	0616 0.56 1217 1.37 1806 0.62
8 SU	0133 0.45 0758 1.90 1436 0.23 2038 1.53	19 TH	0551 1.58 1243 0.54 1846 1.27	30 MO	0033 1.59 0704 0.61 1302 1.29 1845 0.69
9 MO	0225 0.35 0847 1.97 1520 0.16 2124 1.63	20 FR	0018 0.70 0645 1.61 1329 0.50 1930 1.34	31 TU	0119 1.56 0800 0.65 1357 1.23 1933 0.75
10 TU	0316 0.28 0937 1.99 1603 0.14 2210 1.71	21 SA	0110 0.64 0731 1.63 1406 0.47 2008 1.41		
11 WE	0408 0.25 1026 1.95 1647 0.17 2257 1.76	22 SU	0153 0.58 0811 1.66 1439 0.44 2042 1.47		

APRIL 2020

Time	m	Time	m	Time	m
1 WE	0215 1.54 0909 0.66 1506 1.19 2040 0.78	12 SU	0547 0.38 1148 1.42 1729 0.60	23 TH	0222 0.51 0824 1.55 1425 0.50 2043 1.71
2 TH	0322 1.54 1023 0.62 1628 1.21 2200 0.77	13 MO	0000 1.80 0650 0.47 1248 1.31 1819 0.71	24 FR	0300 0.49 0900 1.51 1454 0.53 2115 1.74
3 FR	0435 1.59 1130 0.54 1740 1.29 2315 0.70	14 TU	0056 1.70 0758 0.54 1357 1.23 1920 0.79	25 SA	0338 0.49 0938 1.46 1526 0.57 2149 1.76
4 SA	0543 1.69 1228 0.43 1837 1.41	15 WE	0200 1.61 0906 0.59 1513 1.22 2033 0.83	26 SU	0418 0.51 1017 1.41 1559 0.62 2226 1.74
5 SU	0019 0.58 0541 1.79 1217 0.33 1827 1.54	16 TH	0310 1.55 1009 0.60 1622 1.26 2148 0.82	27 MO	0501 0.54 1100 1.35 1636 0.67 2306 1.72
6 MO	0016 0.46 0634 1.87 1304 0.25 1914 1.67	17 FR	0416 1.54 1102 0.59 1715 1.32 2253 0.77	28 TU	0550 0.57 1149 1.29 1719 0.73 2353 1.68
7 TU	0111 0.35 0725 1.91 1348 0.21 2000 1.79	18 SA	0512 1.55 1146 0.56 1759 1.40 2346 0.71	29 WE	0646 0.60 1246 1.26 1813 0.78
8 WE	0203 0.27 0816 1.89 1431 0.22 2045 1.87	19 SU	0557 1.56 1223 0.53 1835 1.48	30 TH	0048 1.64 0750 0.60 1354 1.25 1920 0.80
9 TH	0257 0.24 0907 1.82 1515 0.27 2132 1.92	20 MO	0030 0.64 0637 1.58 1257 0.50 1909 1.55		
10 FR	0352 0.25 1000 1.70 1559 0.36 2219 1.92	21 TU	0110 0.59 0714 1.58 1327 0.49 1941 1.61		
11 SA	0448 0.30 1053 1.56 1643 0.47 2308 1.87	22 WE	0146 0.54 0749 1.57 1356 0.49 2012 1.67		

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Bureau of Meteorology

Indicates high tide of 1.7m or more

Indicates low tide of 0.3m or less

New Moon ●

First Quarter ☾

Full Moon ○

Last Quarter ☾

MAY / JUNE 2020

SYDNEY (FORT DENISON)

LAT 33° 51' S

LONG 151° 14' E

TIMES AND HEIGHTS OF HIGH AND LOW WATERS

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

MAY 2020

Time	m	Time	m	Time	m
1 FR ☾	0155 1.63 0857 0.56 1508 1.29 2038 0.78	12 TU	0630 0.47 1230 1.30 1752 0.76	23 SA ●	0242 0.49 0836 1.44 1418 0.58 2047 1.84
2 SA	0306 1.65 0959 0.50 1614 1.39 2154 0.71	13 WE	0025 1.73 0730 0.55 1331 1.26 1849 0.83	24 SU	0321 0.47 0917 1.41 1455 0.60 2125 1.85
3 SU	0414 1.71 1053 0.42 1710 1.52 2300 0.60	14 TH	0122 1.62 0828 1.60 1436 1.26 1956 0.86	25 MO	0403 0.47 1001 1.38 1533 0.64 2205 1.84
4 MO	0514 1.76 1143 0.35 1800 1.66	15 FR ☾	0224 1.54 0921 0.62 1537 1.30 2106 0.86	26 TU	0448 0.49 1048 1.34 1616 0.68 2249 1.82
5 TU	0000 0.48 0609 1.79 1230 0.31 1847 1.79	16 SA	0327 1.50 1010 0.62 1630 1.37 2214 0.83	27 WE	0538 0.50 1139 1.32 1705 0.72 2337 1.78
6 WE	0058 0.38 0702 1.78 1315 0.30 1934 1.91	17 SU	0423 1.49 1053 0.60 1715 1.45 2312 0.77	28 TH	0632 0.51 1236 1.31 1802 0.75
7 TH ☾	0153 0.30 0756 1.74 1359 0.33 2021 1.98	18 MO	0513 1.49 1131 0.57 1755 1.53	29 FR	0031 1.73 0730 0.51 1339 1.33 1907 0.76
8 FR	0247 0.27 0849 1.66 1443 0.39 2109 2.02	19 TU	0001 0.70 0557 1.49 1207 0.55 1830 1.61	30 SA ☾	0133 1.70 0830 0.49 1444 1.39 2020 0.75
9 SA	0342 0.28 0944 1.56 1528 0.48 2156 2.00	20 WE	0045 0.63 0637 1.49 1241 0.54 1905 1.68	31 SU	0240 1.67 0925 0.46 1545 1.48 2134 0.69
10 SU	0436 0.32 1038 1.46 1614 0.57 2245 1.94	21 TH	0125 0.57 0717 1.48 1313 0.55 1938 1.75		
11 MO	0532 0.39 1133 1.37 1700 0.67 2333 1.84	22 FR	0203 0.53 0756 1.46 1345 0.56 2012 1.80		

JUNE 2020

Time	m	Time	m	Time	m
1 MO	0346 1.66 1018 0.42 1641 1.61 2244 0.60	12 FR	0040 1.62 0738 0.58 1346 1.30 1912 0.84	23 TU	0348 0.39 0945 1.37 1516 0.58 2149 1.92
2 TU	0449 1.65 1107 0.40 1733 1.74 2348 0.50	13 SA ☾	0130 1.53 0825 0.61 1441 1.33 2016 0.85	24 WE	0434 0.39 0945 1.37 1604 0.60 2235 1.89
3 WE	0547 1.64 1155 0.39 1823 1.86	14 SU	0228 1.46 0911 0.62 1534 1.38 2125 0.84	25 TH	0522 0.39 1034 1.37 1657 0.62 2324 1.85
4 TH	0048 0.41 0645 1.61 1242 0.40 1912 1.95	15 MO	0327 1.41 0956 0.61 1624 1.46 2230 0.79	26 FR	0613 0.40 1219 1.38 1753 0.65
5 FR	0145 0.34 0740 1.56 1329 0.44 2000 2.01	16 TU	0423 1.39 1038 0.60 1709 1.54 2328 0.73	27 SA	0016 1.77 0705 0.42 1317 1.41 1856 0.67
6 SA ☾	0238 0.30 0834 1.51 1415 0.49 2048 2.03	17 WE	0515 1.38 1117 0.59 1750 1.62	28 SU ☾	0114 1.69 0758 0.43 1417 1.47 2005 0.68
7 SU	0330 0.31 0928 1.45 1501 0.55 2135 2.00	18 TH	0018 0.65 0603 1.37 1156 0.58 1829 1.70	29 MO	0216 1.61 0851 0.44 1517 1.55 2120 0.65
8 MO	0421 0.34 1020 1.40 1548 0.61 2221 1.93	19 FR	0102 0.58 0648 1.37 1233 0.57 1907 1.77	30 TU	0324 1.53 0944 0.45 1615 1.65 2234 0.59
9 TU	0511 0.40 1111 1.35 1635 0.68 2307 1.83	20 SA	0143 0.51 0731 1.38 1311 0.57 1945 1.84		
10 WE	0601 0.47 1201 1.31 1723 0.74 2352 1.73	21 SU ●	0224 0.46 0815 1.38 1350 0.57 2024 1.88		
11 TH	0650 0.54 1253 1.29 1815 0.79	22 MO	0305 0.42 0859 1.37 1432 0.57 2105 1.91		

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Bureau of Meteorology

Indicates high tide of 1.7m or more

Indicates low tide of 0.3m or less

New Moon ●

First Quarter ☾

Full Moon ☾

Last Quarter ☾

Time variations – NSW ports and rivers

The following tables show tidal variations at several locations along the NSW coastline and in coastal rivers. The time variation should be added to the corresponding Fort Denison time. In view of the variations caused by local conditions and meteorological effects, these times are approximate and must be considered as a guide only. They are not to be relied on for critical depth calculations for safe navigation. Actual times of High and Low Water may occur before or after the times indicated.

Station	Approximate time lag after Fort Denison	
	High Water	Low Water
TWOFOLD BAY		
Eden	NIL	NIL
MERIMBULA LAKE		
Bridge	1 hr 30 min	1 hr 30 min
Within the Lake	2 hrs	3 to 4 hrs
BERMAGUI RIVER		
Bermagui Bridge	45 min	45 min
WAGONGA INLET		
Narooma	45 min	30 min
MORUYA RIVER		
Moruya	45 min	45 min
BATEMANS BAY		
CLYDE RIVER		
Bridge	15 min	15 min
ULLADULLA		
NIL	NIL	NIL
JERVIS BAY		
NIL	NIL	NIL
CROOKHAVEN RIVER		
Crookhaven Jetty	15 min	15 min
Greenwell Point	45 min	45 min
SHOALHAVEN RIVER		
O'Keefes Point	2 hrs	2 hrs 15 min
Nowra	2 hrs 10 min	2 hrs 20 min
Gypsy Point	3 hrs	3 hrs 30 min
KIAMA		
NIL	NIL	NIL
LAKE ILLAWARRA		
Bridge	15 min	1 hr 45 min
PORT KEMBLA		
NIL	NIL	NIL
WOLLONGONG		
NIL	NIL	NIL
PORT HACKING		
Burraneer	15 min	NIL
Lilli Pilli	30 min	45 min
Audley	30 min	1 hr

Station	Approximate time lag after Fort Denison	
	High Water	Low Water
BOTANY BAY & GEORGES RIVER		
Kurnell	NIL	NIL
Dolls Point	15 min	15 min
Como	30 min	15 min
Lugarno	1 hr	NIL
Milperra	2 hrs 15 min	2 hrs 10 min
Liverpool	2 hrs 45 min	2 hrs 30 min
SYDNEY		
Fort Denison	NIL	NIL
Gladesville Bridge	15 min	15 min
Silverwater Bridge	15 min	15 min
Fig Tree Bridge	15 min	15 min
The Spit Bridge	NIL	NIL
HAWKESBURY RIVER		
Peats Ferry Bridge	1 hr	1 hr
Wisemans Ferry	2 hrs 15 min	2 hrs 30 min
Lower Portland Ferry	3 hrs 5 min	3 hrs 5 min
Windsor	5 hrs 15 min	5 hrs 50 min
Pittwater	NIL	NIL
HUNTER RIVER		
Newcastle	NIL	NIL
Hexham	1 hr 10 min	1 hr
Raymond Terrace	1 hr 50 min	1 hr 55 min
Morpeth	3 hrs 10 min	3 hrs 30 min
BRISBANE WATER		
Ettalong	30 min	40 min
Koolewong	2 hrs 10 min	2 hrs 20 min
LAKE MACQUARIE		
Swansea	0 to 15 min	15 min
Within the Lake	2 hrs 50 min	30 min

Time variations – NSW ports and rivers

Station	Approximate time lag after Fort Denison	
	High Water	Low Water
PORT STEPHENS		
Nelson Bay	30 min	15 min
Salamander Bay	45 min	30 min
Soldiers Point	1 hr	45 min
Karuah		
(Karuah River)	1 hr 15 min	45 min
Pindimar	45 min	45 min
Tea Gardens	1 hr	45 min
BROUGHTON ISLAND		
CAPE HAWKE HARBOUR	NIL	NIL
Forster	0 to 15 min	NIL
Wollomba River (mouth)	1 hr 50 min	2 hrs 10 min
Nabiac	3 hrs	Limited information only
MANNING RIVER		
Harrington	Based on bar at Harrington	
Taree	NIL	15 to 30 min
Wingham	2 hrs	2 hrs 45 min
	3 hrs 15 min	3 hrs 45 min
CROWDY HEAD		
Camden Haven	NIL	NIL
Laurieton	30 min	1 hr
Watson Taylors Lake	2 hrs	2 hrs
Kendall	3 hrs 30 min	4 hrs
Queens Lake	2 hrs	2 hrs 15 min
HASTINGS RIVER		
Port Macquarie Wharf	15 to 30 min	15 to 30 min
Blackmans Point	1 hr 30 min	1 hr 15 min
Wauchope	1 hr 50 min	1 hr 15 min
TRIAL BAY		
MACLEAY RIVER	NIL	NIL
Jerseyville	1 hr	1 hr 15 min
Gladstone	2 hrs 10 min	2 hrs 20 min
Frederickton	3 hrs 15 min	4 hrs 15 min
Kempsey	3 hrs 15 min	3 hrs 20 min

Station	Approximate time lag after Fort Denison	
	High Water	Low Water
NAMBUCCA RIVER		
Watts Creek	Limited information only	
Macksville	1 hr	
	1 hr 30 min	2 hrs 10 min
KALANG RIVER		
Urunga Bridge	1 hr 20 min	1 hr 40 min
BELLINGER RIVER		
Mylestom	Limited information only	
Raleigh	30 min	1 hr
Bellingen	1 hr	1 hr 30 min
	1 hr 40 min	2 hrs 10 min
COFFS HARBOUR		
N.W. SOLITARY ISLAND	0 to 15 min	0 to 15 min
	NIL	NIL
WOOLI RIVER		
Fishing Co-op	15 min	15 min
Wooli	1 hr 5 min	1 hr 50 min
SANDON RIVER		
Sandon	30 min	30 min
CLARENCE RIVER		
Iluka	NIL	NIL
Maclean	2 hrs 15 min	2 hrs 25 min
Ulmarra	4 hrs 30 min	5 hrs
Grafton	4 hrs 10 min	4 hrs 30 min
EVANS RIVER		
Evans Head Bridge	NIL	15 min
RICHMOND RIVER		
Ballina Boat Dock	15 min	15 min
Wardell	1 hr 30 min	2 hrs
Broadwater	1 hr 45 min	2 hrs 30 min
Coraki	4 hrs	4 hrs 30 min
Lismore	1 hr 15 min	1 hr
BYRON BAY		
	NIL	NIL
BRUNSWICK RIVER		
Pacific Highway Bridge	30 min	1 hr
TWEED RIVER		
Terranora Inlet	2 hrs 10 min	2 hrs 25 min
Chinderah	1 hr 15 min	2 hrs
Murwillumbah	2 hrs 30 min	2 hrs 50 min

IF YOU LOOK AFTER YOUR LIFEJACKET, IT WILL LOOK AFTER YOU.



STEP 1

**LOOK
FOR WEAR
AND TEAR**

STEP 2

**ENSURE
CYLINDER
AND
CARTRIDGE
ARE GOOD
TO GO**

STEP 4

**ENSURE
CYLINDER
AND
CARTRIDGE
ARE HAND
TIGHT**

STEP 3

**MAKE SURE
THE PULL
CORD IS
READY FOR
USE**

WEAR A LIFEJACKET

DON'T RISK YOUR LIFE



**WEAR IT • INSPECT IT • SERVICE IT
LEARN HOW AT LIFEJACKETWEARIT.COM.AU**

Contact us:

 **13 12 36**  rms.nsw.gov.au/maritime

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