



# NSW Tides

## 2018–2019

Produced by  
Roads and Maritime Services



# Tidal predictions for Sydney Harbour

with moon phases

## July 2018 – June 2019

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 2018

## 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 2018						AUGUST 2018											
	Time	m	Time	m	Time	Time	m	Time	m	Time	m						
<b>1</b> SU	0422	0.45	<b>12</b> TH	0123	0.28	<b>23</b> MO	0500	1.24	<b>1</b> WE	0502	0.41	<b>12</b> SU	0250	0.09	<b>23</b> TH	0030	0.49
	1019	1.33		0719	1.47		1046	0.59		1109	1.38		0852	1.54		0621	1.23
	1547	0.63		1302	0.38		1729	1.61		1650	0.58		1438	0.27		1156	0.57
	2217	1.74		1936	2.03					2307	1.60		2104	2.03		1830	1.61
<b>2</b> MO	0500	0.47	<b>13</b> FR	0216	0.19	<b>24</b> TU	0011	0.57	<b>2</b> TH	0540	0.44	<b>13</b> MO	0338	0.10	<b>24</b> FR	0109	0.43
	1100	1.32		0815	1.49		0554	1.24		1152	1.39		0943	1.56		0701	1.29
	1629	0.66		1357	0.36		1132	0.58		1737	0.61		1531	0.28		1238	0.52
	2255	1.69		2029	2.09		1814	1.65		2348	1.52		2154	1.95		1908	1.66
<b>3</b> TU	0540	0.50	<b>14</b> SA	0309	0.14	<b>25</b> WE	0056	0.51	<b>3</b> FR	0619	0.46	<b>14</b> TU	0425	0.15	<b>25</b> SA	0144	0.38
	1144	1.32		0910	1.51		0641	1.27		1239	1.40		1032	1.57		0701	1.29
	1714	0.69		1450	0.36		1216	0.57		1830	0.65		1626	0.33		1317	0.48
	2335	1.62		2120	2.09		1854	1.69					2243	1.82		1944	1.69
<b>4</b> WE	0621	0.52	<b>15</b> SU	0400	0.14	<b>26</b> TH	0134	0.46	<b>4</b> SA	0036	1.43	<b>15</b> WE	0510	0.23	<b>26</b> SU	0215	0.34
	1230	1.33		1004	1.51		0723	1.29		0704	0.49		1032	1.55		0813	1.37
	1803	0.73		1545	0.38		1256	0.55		1330	1.43		1720	0.41		1354	0.45
				2212	2.04		1931	1.73		1933	0.66		2332	1.66		2019	1.71
<b>5</b> TH	0020	1.55	<b>16</b> MO	0452	0.18	<b>27</b> FR	0210	0.42	<b>5</b> SU	0133	1.35	<b>16</b> TH	0555	0.34	<b>27</b> MO	0248	0.32
	0706	0.53		1059	1.51		0801	1.32		0755	0.51		1123	1.53		0847	1.41
	1321	1.35		1642	0.43		1334	0.53		1429	1.48		1818	0.50		1431	0.43
	1900	0.75		2304	1.93		2008	1.75		2046	0.64					2053	1.70
<b>6</b> FR	0111	1.48	<b>17</b> TU	0544	0.24	<b>28</b> SA	0245	0.39	<b>6</b> MO	0243	1.29	<b>17</b> FR	0023	1.48	<b>28</b> TU	0319	0.32
	0753	0.54		1153	1.50		0838	1.34		0852	0.52		0640	0.44		0922	1.43
	1415	1.39		1739	0.49		1412	0.52		1530	1.56		1305	1.50		1509	0.43
	2004	0.76		2357	1.79		2043	1.76		2203	0.57		1920	0.58		2129	1.67
<b>7</b> SA	0209	1.43	<b>18</b> WE	0635	0.33	<b>29</b> SU	0318	0.38	<b>7</b> TU	0357	1.28	<b>18</b> SA	0116	1.33	<b>29</b> WE	0352	0.33
	0842	0.53		1248	1.49		0915	1.35		0954	0.50		0727	0.53		0958	1.46
	1511	1.47		1841	0.57		1449	0.52		1632	1.67		1400	1.47		1549	0.44
	2115	0.72					2117	1.75		2314	0.46		2030	0.63		2204	1.62
<b>8</b> SU	0313	1.39	<b>19</b> TH	0051	1.62	<b>30</b> MO	0352	0.38	<b>8</b> WE	0508	1.31	<b>19</b> SU	0218	1.21	<b>30</b> TH	0426	0.35
	0933	0.51		0726	0.42		0951	1.36		1056	0.46		0818	0.60		1036	1.48
	1605	1.56		1345	1.48		1528	0.53		1731	1.79		1500	1.47		1632	0.46
	2225	0.64		1946	0.63		2153	1.72					2143	0.64		2244	1.54
<b>9</b> MO	0419	1.39	<b>20</b> FR	0149	1.47	<b>31</b> TU	0427	0.39	<b>9</b> TH	0015	0.33	<b>20</b> MO	0328	1.15	<b>31</b> FR	0500	0.39
	1025	0.49		0815	0.49		1030	1.37		0611	1.37		0915	0.63		1117	1.49
	1700	1.68		1445	1.50		1607	0.55		1154	0.40		1600	1.48		1719	0.50
	2330	0.53		2058	0.67		2229	1.67		1828	1.91		2250	0.61		2326	1.45
<b>10</b> TU	0522	1.41	<b>21</b> SA	0252	1.34			<b>10</b> FR	0110	0.21	<b>21</b> TU	0436	1.15				
	1117	0.45		0906	0.55				0707	1.44		1014	0.64				
	1752	1.81		1543	1.52				1250	0.34		1657	1.51				
				2210	0.66				1921	2.00		2345	0.55				
<b>11</b> WE	0028	0.40	<b>22</b> SU	0357	1.27			<b>11</b> SA	0200	0.13	<b>22</b> WE	0534	1.18				
	0622	1.44		0957	0.58				0800	1.49		1108	0.61				
	1210	0.41		1638	1.56				1345	0.29		1746	1.56				
	1844	1.93		2316	0.63				2013	2.04							

# SEPTEMBER / OCTOBER 2018

## 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 2018

	Time	m	Time	m	Time	m		
1 SA	0540	0.43	12 WE	0351	0.19	23 SU	0108	0.37
	1203	1.49		1003	1.65		0710	1.39
	1813	0.54		1608	0.28		1259	0.46
			2220	1.67			1915	1.63
2 SU	0015	1.36	13 TH	0432	0.28	24 MO	0141	0.33
	0625	0.49		1049	1.62		0744	1.45
	1255	1.50		1700	0.36		1336	0.41
	1915	0.56	2306	1.51		1951	1.65	
3 MO ☉	0115	1.27	14 FR	0512	0.39	25 TU ☉	0212	0.30
	0718	0.54		1134	1.58		0817	1.51
	1355	1.51		1754	0.45		1414	0.37
	2030	0.56	2354	1.36		2027	1.64	
4 TU	0228	1.21	15 SA	0552	0.50	26 WE	0243	0.30
	0823	0.56		1221	1.53		0851	1.56
	1502	1.56		1851	0.53		1452	0.35
	2150	0.50			2104	1.61		
5 WE	0348	1.22	16 SU	0045	1.23	27 TH	0315	0.31
	0935	0.54		0636	0.59		0928	1.60
	1612	1.64		1312	1.47		1534	0.35
	2300	0.39	1955	0.59		2143	1.56	
6 TH	0501	1.28	17 MO ☉	0145	1.14	28 FR	0350	0.34
	1044	0.48		0729	0.66		1007	1.62
	1715	1.75		1410	1.43		1618	0.36
			2104	0.61		2225	1.49	
7 FR	0000	0.28	18 TU	0256	1.10	29 SA	0427	0.39
	0601	1.37		0831	0.70		1048	1.63
	1145	0.39		1515	1.41		1707	0.40
	1814	1.85	2211	0.59		2312	1.40	
8 SA	0052	0.18	19 WE	0408	1.12	30 SU	0509	0.45
	0655	1.46		0940	0.69		1135	1.61
	1241	0.31		1618	1.44		1802	0.44
	1906	1.92	2308	0.54				
9 SU	0141	0.11	20 TH	0508	1.18	31 MO	0604	0.45
	0744	1.55		1043	0.65		1135	1.61
	1334	0.25		1713	1.48			
	1957	1.94	2354	0.48				
10 MO ☉	0226	0.10	21 FR	0555	1.25	1 TU	0336	0.22
	0831	1.61		1134	0.59		0951	1.73
	1427	0.22		1759	1.54		1603	0.24
	2045	1.90			2211	1.63		
11 TU	0309	0.12	22 SA	0034	0.42	2 WE	0415	0.29
	0918	1.64		0634	1.32		1033	1.73
	1517	0.23		1219	0.52		1652	0.28
	2133	1.80	1839	1.59		2256	1.51	

### OCTOBER 2018

	Time	m	Time	m	Time	m		
1 MO	0005	1.30	12 FR	0452	0.38	23 TU	0159	0.35
	0558	0.52		1115	1.70		0811	1.55
	1229	1.59		1739	0.34		1415	0.41
	1907	0.47	2341	1.40		2021	1.57	
2 TU ☉	0110	1.23	13 SA	0530	0.47	24 WE	0231	0.32
	0656	0.58		1156	1.65		0845	1.63
	1330	1.57		1828	0.42		1455	0.35
	2022	0.47			2100	1.57		
3 WE	0226	1.20	14 SU	0027	1.29	25 TH ☉	0305	0.32
	0808	0.61		0607	0.56		0922	1.70
	1443	1.57		1237	1.58		1537	0.30
	2138	0.43	1918	0.50		2141	1.55	
4 TH	0346	1.23	15 MO	0115	1.20	26 FR	0341	0.33
	0925	0.58		0649	0.65		1000	1.76
	1556	1.62		1322	1.50		1621	0.28
	2244	0.35	2015	0.56		2225	1.50	
5 FR	0453	1.32	16 TU	0211	1.14	27 SA	0418	0.36
	1036	0.51		0740	0.71		1042	1.78
	1700	1.70		1415	1.44		1708	0.28
	2340	0.27	2117	0.59		2313	1.44	
6 SA	0548	1.43	17 WE ☉	0318	1.12	28 SU	0500	0.42
	1138	0.41		0845	0.75		1127	1.78
	1758	1.76		1518	1.40		1800	0.31
			2221	0.58				
7 SU	0030	0.20	18 TH	0429	1.15	29 MO	0004	1.37
	0738	1.54		0959	0.75		0547	0.49
	1333	0.32		1628	1.40		1216	1.74
	1949	1.80	2319	0.55		1857	0.35	
8 MO	0215	0.17	19 FR	0530	1.21	30 TU	0102	1.30
	0824	1.63		1107	0.71		0642	0.56
	1426	0.25		1730	1.43		1311	1.69
	2038	1.78			2001	0.39		
9 TU ☉	0257	0.18	20 SA	0008	0.49	31 WE	0209	1.25
	0908	1.69		0618	1.29		0745	0.62
	1515	0.23		1204	0.64		1414	1.64
	2126	1.72	1820	1.47		2112	0.40	
10 WE	0336	0.22	21 SU	0049	0.44	1 TU	0336	0.22
	0951	1.73		0700	1.38		1033	1.73
	1603	0.24		1253	0.56		1652	0.28
	2211	1.63	1903	1.52				
11 TH	0415	0.29	22 MO	0126	0.39	2 WE	0415	0.29
	1033	1.73		0736	1.47		1033	1.73
	1652	0.28		1335	0.48		1652	0.28
	2256	1.51	1943	1.55				

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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 ◑

# NOVEMBER / DECEMBER 2018

## 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.

### NOVEMBER 2018

### DECEMBER 2018

	Time	m	Time	m	Time	m		Time	m	Time	m	Time	m				
<b>1</b> TH ☾	0323	1.25	<b>12</b> MO	0000	1.26	<b>23</b> FR ☾	0230	0.35	<b>1</b> SA	0414	1.39	<b>12</b> WE	0015	1.25	<b>23</b> SU ☾	0248	0.37
	0859	0.64		0529	0.61		0855	1.83		1000	0.62		0540	0.65		0920	1.98
	1525	1.61		1200	1.64		1522	0.27		1615	1.56		1209	1.63		1559	0.17
	2220	0.39		1846	0.47		2121	1.49		2251	0.38		1857	0.47		2158	1.45
<b>2</b> FR	0435	1.31	<b>13</b> TU	0045	1.21	<b>24</b> SA	0310	0.36	<b>2</b> SU	0514	1.47	<b>13</b> TH	0100	1.23	<b>24</b> MO	0338	0.37
	1015	0.61		0610	0.67		0938	1.89		1113	0.58		0626	0.69		1009	2.02
	1637	1.61		1241	1.57		1610	0.23		1720	1.52		1250	1.56		1649	0.15
	2321	0.35		1934	0.52		2211	1.46		2343	0.38		1942	0.51		2251	1.45
<b>3</b> SA	0537	1.40	<b>14</b> WE	0136	1.18	<b>25</b> SU	0355	0.38	<b>3</b> MO	0607	1.56	<b>14</b> FR	0150	1.23	<b>25</b> TU	0430	0.39
	1126	0.54		0659	0.73		1023	1.92		1219	0.52		0717	0.73		1100	2.01
	1743	1.63		1328	1.50		1700	0.21		1819	1.48		1337	1.49		1742	0.15
				2028	0.55		2302	1.43					2031	0.53		2345	1.43
<b>4</b> SU	0014	0.31	<b>15</b> TH	0235	1.17	<b>26</b> MO	0443	0.43	<b>4</b> TU	0030	0.39	<b>15</b> SA ☾	0245	1.24	<b>26</b> WE	0525	0.42
	0630	1.51		0759	0.77		1112	1.91		0656	1.65		0817	0.76		1152	1.95
	1230	0.45		1423	1.44		1753	0.23		1318	0.45		1430	1.42		1835	0.20
	1839	1.64		2126	0.57		2358	1.38		1913	1.45		2123	0.54			
<b>5</b> MO	0101	0.28	<b>16</b> FR ☾	0340	1.19	<b>27</b> TU	0534	0.49	<b>5</b> WE	0113	0.40	<b>16</b> SU	0345	1.28	<b>27</b> TH	0043	1.42
	0717	1.61		0908	0.78		1203	1.87		0741	1.72		0925	0.76		0622	0.47
	1326	0.37		1528	1.40		1850	0.27		1410	0.39		1531	1.38		1245	1.85
	1931	1.63		2223	0.55					2002	1.42		2214	0.53		1930	0.26
<b>6</b> TU	0145	0.28	<b>17</b> SA	0441	1.25	<b>28</b> WE	0057	1.34	<b>6</b> TH	0153	0.42	<b>17</b> MO	0440	1.53	<b>28</b> FR	0141	1.41
	0802	1.70		1019	0.75		0632	0.55		0823	1.77		1034	0.73		0723	0.53
	1417	0.31		1633	1.39		1259	1.79		1456	0.36		1635	1.35		1342	1.73
	2019	1.60		2314	0.52		1950	0.31		2048	1.39		2302	0.51		2026	0.33
<b>7</b> WE	0224	0.30	<b>18</b> SU	0533	1.33	<b>29</b> TH	0200	1.32	<b>7</b> FR ☾	0231	0.45	<b>18</b> TU	0530	1.45	<b>29</b> SA ☾	0242	1.42
	0845	1.76		1124	0.70		0736	0.60		0902	1.79		1140	0.66		0830	0.58
	1505	0.28		1731	1.41		1400	1.71		1538	0.34		1735	1.35		1442	1.59
	2105	1.54		2358	0.47		2053	0.35		2131	1.36		2347	0.47		2121	0.39
<b>8</b> TH ☾	0302	0.34	<b>19</b> MO	0617	1.42	<b>30</b> FR ☾	0308	1.34	<b>8</b> SA	0308	0.48	<b>19</b> WE	0616	1.56	<b>30</b> SU	0344	1.45
	0926	1.79		1219	0.62		0846	0.63		0941	1.80		1237	0.56		0942	0.61
	1551	0.28		1821	1.44		1505	1.62		1618	0.34		1830	1.37		1547	1.47
	2150	1.47		2155	0.37		2155	0.37		2213	1.33					2215	0.44
<b>9</b> FR	0339	0.40	<b>20</b> TU	0037	0.43				<b>9</b> SU	0345	0.52	<b>20</b> TH	0031	0.44	<b>31</b> MO	0445	1.50
	1005	1.79		0658	1.53					1017	1.78		0700	1.68		1056	0.61
	1635	0.31		1308	0.52					1657	0.36		1330	0.45		1654	1.38
	2234	1.40		1907	1.47					2253	1.30		1923	1.40		2308	0.47
<b>10</b> SA	0415	0.47	<b>21</b> WE	0115	0.39			<b>10</b> MO	0421	0.56	<b>21</b> FR	0115	0.41				
	1044	1.76		0735	1.63				1054	1.74		0745	1.80				
	1718	0.35		1353	0.43				1735	0.39		1420	0.34				
	2316	1.33		1950	1.49				2333	1.28		2015	1.43				
<b>11</b> SU	0451	0.54	<b>22</b> TH	0151	0.36			<b>11</b> TU	0500	0.60	<b>22</b> SA	0200	0.38				
	1121	1.71		0814	1.74				1130	1.69		0832	1.90				
	1801	0.41		1437	0.34				1815	0.43		1509	0.24				
				2035	1.50							2106	1.44				

# JANUARY / FEBRUARY 2019

## SYDNEY (FORT DENISON)

LAT 33° 51' S      LONG 151° 14' E

TIMES AND HEIGHTS OF HIGH AND LOW WATERS

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or daylight savings time (UTC +11:00) when in effect.

### JANUARY 2019

### FEBRUARY 2019

	Time	m	Time	m	Time	m	Time	m	Time	m	Time	m									
1 TU	0541	1.57	12 SA	0107	1.31	23 WE	0419	0.32	1 FR	0020	0.61	12 TU	0159	1.43	23 SA	0556	0.33				
	1208	0.58		0645	0.66		1047	2.05		0700	1.62		0802	0.66		1210	1.76				
	1759	1.33		1300	1.53		1724	0.12		1346	0.51		1402	1.34		1828	0.31				
	2358	0.50		1940	0.50		2328	1.53		1935	1.24		2018	0.57							
2 WE	0633	1.63	13 SU	0156	1.32	24 TH	0514	0.34	2 SA	0108	0.59	13 WE	0253	1.45	24 SU	0043	1.63				
	1310	0.52		0736	0.70		1138	1.98		0745	1.66		0909	0.67		0652	0.42				
	1857	1.30		1345	1.44		1813	0.17		1428	0.46		1505	1.27		1300	1.58				
				2024	0.53					2018	1.28		2115	0.60		1912	0.43				
3 TH	0044	0.51	14 MO	0247	1.34	25 FR	0020	1.53	3 SU	0151	0.56	14 TH	0355	1.49	25 MO	0134	1.59				
	0720	1.69		0836	0.73		0610	0.39		0824	1.70		1028	0.64		0753	0.51				
	1400	0.47		1439	1.37		1229	1.85		1503	0.41		1621	1.23		1353	1.41				
	1947	1.30		2113	0.54		1901	0.26		2056	1.32		2220	0.60		1958	0.54				
4 FR	0127	0.52	15 TU	0344	1.39	26 SA	0114	1.52	4 MO	0230	0.53	15 FR	0500	1.57	26 TU	0229	1.55				
	0803	1.73		0945	0.72		0708	0.47		0901	1.73		1144	0.56		0900	0.59				
	1445	0.42		1542	1.31		1321	1.68		1537	0.39		1741	1.25		1452	1.27				
	2032	1.31		2205	0.55		1950	0.36		2131	1.35		2328	0.57		2048	0.64				
5 SA	0207	0.52	16 WE	0441	1.47	27 SU	0210	1.51	5 TU	0306	0.51	16 SA	0603	1.69	27 WE	0329	1.51				
	0844	1.76		1100	0.67		0812	0.54		0936	1.74		1250	0.43		1013	0.64				
	1523	0.39		1652	1.28		1416	1.51		1610	0.37		1848	1.32		1603	1.18				
	2114	1.32		2300	0.53		2041	0.45		2205	1.38					2149	0.70				
6 SU	0245	0.52	17 TH	0536	1.57	28 MO	0308	1.50	6 WE	0343	0.50	17 SU	0030	0.50	28 TH	0434	1.50				
	0920	1.77		1208	0.58		0921	0.61		1010	1.74		0702	1.81		1127	0.64				
	1600	0.37		1800	1.30		1518	1.36		1642	0.37		1346	0.31		1720	1.16				
	2152	1.32		2355	0.50		2134	0.53		2239	1.39		1945	1.41		2256	0.72				
7 MO	0323	0.53	18 FR	0630	1.69	29 TU	0410	1.51	7 TH	0419	0.50	18 MO	0128	0.41	19 TU	0222	0.33				
	0957	1.77		1309	0.45		1037	0.63		1044	1.71		1144	0.757		0757	1.93				
	1635	0.37		1902	1.34		1628	1.25		1713	0.38		1713	0.38		1438	0.20	2038	1.50		
	2230	1.32					2230	0.59		2314	1.40										
8 TU	0400	0.54	19 SA	0048	0.46	30 WE	0511	1.54	8 FR	0457	0.51	19 TU	0222	0.33	20 WE	0315	0.28				
	1031	1.75		0722	1.82		1152	0.61		1118	1.67		0849	2.01		0941	2.04				
	1710	0.38		1403	0.33		1740	1.21		1745	0.41		1527	0.13		1614	0.10				
	2306	1.32		1959	1.39		2327	0.61		2349	1.41		2128	1.57		2216	1.62				
9 WE	0437	0.56	20 SU	0141	0.40	31 TH	0608	1.58	9 SA	0536	0.54	20 WE	0315	0.28	21 TH	0408	0.26				
	1107	1.72		0814	1.93		1256	0.57		1153	1.60		0941	2.04		1030	2.01				
	1745	0.41		1455	0.22		1843	1.21		1818	0.44		1614	0.10		1659	0.13				
	2344	1.31		2052	1.45								2216	1.62		2305	1.65				
10 TH	0516	0.59	21 MO	0233	0.36				10 SU	0029	1.41	21 TH	0408	0.26	22 FR	0501	0.28				
	1143	1.67		0905	2.02					0619	0.58		0707	0.63		1120	1.91	1120	1.91		
	1821	0.44		1545	0.14					1230	1.52		1313	1.43		1744	0.20	1744	0.20		
				2145	1.49					1854	0.48		1932	0.53		2354	1.65				
11 FR	0024	1.31	22 TU	0326	0.32					0111	1.42										
	0559	0.62		0956	2.07					0707	0.63							0707	0.63	1120	1.91
	1220	1.60		1635	0.10					1313	1.43							1313	1.43	1744	0.20
	1900	0.47		2236	1.52					1932	0.53							1932	0.53	2354	1.65

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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 ◑

# MARCH / APRIL 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.

### MARCH 2019

	Time	m	Time	m	Time	m		
<b>1</b> FR	0537	1.51	<b>12</b> TU	0034	1.56	<b>23</b> SA	0448	0.27
	1230	0.60		0648	0.56		1100	1.77
	1827	1.19		1251	1.40		1710	0.30
	2358	0.69		1852	0.56		2326	1.78
<b>2</b> SA	0633	1.55	<b>13</b> WE	0120	1.55	<b>24</b> SU	0542	0.33
	1320	0.54		0744	0.60		1149	1.63
	1916	1.26		1343	1.31		1751	0.41
			1939	0.62				
<b>3</b> SU	0051	0.65	<b>14</b> TH	0215	1.54	<b>25</b> MO	0011	1.74
	0720	1.60		0850	0.62		0635	0.42
	1400	0.49		1447	1.24		1239	1.47
	1958	1.32		2038	0.67		1831	0.53
<b>4</b> MO	0135	0.59	<b>15</b> FR	0319	1.55	<b>26</b> TU	0058	1.68
	0800	1.64		1008	0.60		0732	0.51
	1435	0.44		1609	1.22		1330	1.33
	2033	1.38		2154	0.68		1914	0.64
<b>5</b> TU	0215	0.54	<b>16</b> SA	0432	1.60	<b>27</b> WE	0147	1.60
	0837	1.68		1124	0.52		0834	0.59
	1507	0.41		1730	1.27		1428	1.23
	2106	1.43		2310	0.63		2003	0.74
<b>6</b> WE	0250	0.50	<b>17</b> SU	0542	1.70	<b>28</b> TH	0244	1.53
	0912	1.70		1230	0.41		0941	0.64
	1538	0.39		1836	1.37		1536	1.17
	2138	1.47					2105	0.80
<b>7</b> TH	0326	0.47	<b>18</b> MO	0017	0.54	<b>29</b> FR	0348	1.49
	0945	1.70		0644	1.81		1048	0.65
	1608	0.38		1325	0.30		1652	1.18
	2210	1.50		1930	1.48		2219	0.81
<b>8</b> FR	0401	0.46	<b>19</b> TU	0116	0.43	<b>30</b> SA	0456	1.48
	1019	1.67		0739	1.90		1149	0.63
	1638	0.39		1415	0.22		1758	1.23
	2243	1.53		2020	1.59		2329	0.78
<b>9</b> SA	0439	0.47	<b>20</b> WE	0212	0.34	<b>31</b> SU	0556	1.51
	1054	1.63		0831	1.95		1240	0.58
	1708	0.41		1501	0.17		1847	1.30
	2317	1.55		2108	1.68			
<b>10</b> SU	0518	0.49	<b>21</b> TH	0304	0.27			
	1130	1.57		0922	1.95			
	1740	0.45		1545	0.17			
	2354	1.56		2154	1.75			
<b>11</b> MO	0601	0.52	<b>22</b> FR	0357	0.25			
	1208	1.49		1012	1.88			
	1814	0.50		1629	0.22			
				2240	1.78			

### APRIL 2019

	Time	m	Time	m	Time	m		
<b>1</b> MO	0026	0.72	<b>12</b> FR	0050	1.65	<b>23</b> TU	0516	0.44
	0645	1.55		0742	0.56		1116	1.39
	1321	0.53		1345	1.26		1653	0.63
	1928	1.38		1920	0.73		2323	1.75
<b>2</b> TU	0113	0.65	<b>13</b> SA	0158	1.63	<b>24</b> WE	0609	0.52
	0728	1.59		0856	0.54		1206	1.30
	1357	0.48		1503	1.27		1734	0.72
	2003	1.45		2039	0.73			
<b>3</b> WE	0153	0.58	<b>14</b> SU	0312	1.66	<b>25</b> TH	0008	1.66
	0806	1.53		1005	0.48		0704	0.59
	1430	0.45		1618	1.35		1300	1.24
	2036	1.52		2158	0.68		1822	0.80
<b>4</b> TH	0230	0.53	<b>15</b> MO	0422	1.72	<b>26</b> FR	0058	1.58
	0842	1.64		1105	0.41		0802	0.64
	1500	0.43		1719	1.46		1401	1.21
	2107	1.58		2305	0.58		1921	0.85
<b>5</b> FR	0307	0.48	<b>16</b> TU	0524	1.78	<b>27</b> SA	0157	1.51
	0916	1.64		1159	0.33		0901	0.66
	1530	0.42		1812	1.58		1510	1.23
	2140	1.64					2033	0.87
<b>6</b> SA	0344	0.46	<b>17</b> WE	0005	0.47	<b>28</b> SU	0303	1.48
	0952	1.62		0619	1.83		0958	0.64
	1600	0.43		1246	0.28		1613	1.28
	2213	1.68		1900	1.70		2146	0.84
<b>7</b> SU	0323	0.45	<b>18</b> TH	0100	0.38	<b>29</b> MO	0406	1.49
	0930	1.58		0712	1.84		1048	0.61
	1531	0.46		1331	0.27		1705	1.35
	2148	1.71		1945	1.79		2249	0.78
<b>8</b> MO	0404	0.45	<b>19</b> FR	0154	0.32	<b>30</b> TU	0500	1.51
	1009	1.52		0802	1.80		1131	0.57
	1605	0.50		1414	0.29		1747	1.44
	2226	1.72		2030	1.86		2342	0.71
<b>9</b> TU	0448	0.48	<b>20</b> SA	0245	0.30			
	1052	1.45		0851	1.72			
	1642	0.56		1455	0.35			
	2307	1.71		2114	1.88			
<b>10</b> WE	0538	0.51	<b>21</b> SU	0335	0.32			
	1141	1.37		0940	1.62			
	1724	0.62		1534	0.44			
	2355	1.68		2157	1.87			
<b>11</b> TH	0635	0.54	<b>22</b> MO	0426	0.37			
	1237	1.30		1029	1.50			
	1815	0.69		1614	0.53			
				2240	1.82			

# MAY / JUNE 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.

MAY 2019						JUNE 2019											
Time	m	Time	m	Time	m	Time	m	Time	m	Time	m						
<b>1</b> WE	0546 1209 1825	1.54 0.53 1.52	<b>12</b> SU ☾	0143 0841 1454 2029	1.71 0.48 1.36 0.74	<b>23</b> TH	0541 1139 1700 2331	0.52 1.30 0.75 1.70	<b>1</b> SA	0039 0631 1230 1859	0.59 1.49 0.51 1.76	<b>12</b> WE	0340 1007 1632 2242	1.61 0.45 1.61 0.62	<b>23</b> SU	0631 1238 1802	0.56 1.29 0.78
<b>2</b> TH	0026 0628 1244 1900	0.64 1.56 0.50 1.61	<b>13</b> MO	0254 0943 1600 2145	1.69 0.46 1.44 0.69	<b>24</b> FR	0629 1228 1745	0.58 1.27 0.80	<b>2</b> SU	0123 0715 1308 1937	0.51 1.49 0.50 1.85	<b>13</b> TH	0442 1056 1725 2346	1.56 0.45 1.70 0.55	<b>24</b> MO	0024 0717 1329 1900	1.57 0.58 1.31 0.81
<b>3</b> FR	0106 0707 1315 1933	0.57 1.58 0.48 1.69	<b>14</b> TU	0401 1038 1657 2253	1.70 0.42 1.55 0.61	<b>25</b> SA	0016 0718 1321 1840	1.62 0.62 1.26 0.85	<b>3</b> MO ☀	0206 0800 1347 2017	0.44 1.49 0.50 1.92	<b>14</b> FR	0540 1143 1815	1.52 0.46 1.79	<b>25</b> TU ☾	0114 0804 1424 2004	1.49 0.60 1.34 0.83
<b>4</b> SA	0145 0745 1347 2008	0.51 1.57 0.47 1.76	<b>15</b> WE	0502 1128 1748 2355	1.70 0.39 1.67 0.52	<b>26</b> SU	0107 0810 1420 1945	1.55 0.64 1.27 0.87	<b>4</b> TU	0251 0848 1430 2101	0.38 1.47 0.51 1.96	<b>15</b> SA	0044 0634 1227 1900	0.48 1.48 0.48 1.85	<b>26</b> WE	0211 0852 1518 2114	1.43 0.59 1.40 0.81
<b>5</b> SU ☀	0225 0825 1421 2044	0.46 1.55 0.48 1.82	<b>16</b> TH	0559 1215 1836	1.70 0.38 1.77	<b>27</b> MO ☾	0206 0902 1519 2055	1.50 0.63 1.32 0.86	<b>5</b> WE	0339 0939 1516 2147	0.35 1.45 0.53 1.97	<b>16</b> SU	0135 0725 1309 1944	0.43 1.45 0.51 1.89	<b>27</b> TH	0313 0940 1610 2220	1.39 0.59 1.48 0.76
<b>6</b> MO	0306 0907 1458 2122	0.43 1.52 0.50 1.86	<b>17</b> FR	0051 0651 1258 1922	0.44 1.67 0.39 1.86	<b>28</b> TU	0310 0951 1614 2202	1.47 0.61 1.39 0.82	<b>6</b> TH	0430 1032 1606 2236	0.35 1.43 0.57 1.95	<b>17</b> MO ☀	0222 0814 1350 2026	0.41 1.41 0.55 1.89	<b>28</b> FR	0413 1024 1658 2320	1.37 0.57 1.57 0.67
<b>7</b> TU	0351 0953 1537 2204	0.42 1.48 0.54 1.86	<b>18</b> SA	0144 0742 1340 2006	0.39 1.62 0.42 1.91	<b>29</b> WE	0408 1036 1700 2302	1.46 0.59 1.47 0.75	<b>7</b> FR	0523 1128 1700 2329	0.36 1.40 0.61 1.90	<b>18</b> TU	0305 0859 1430 2105	0.40 1.38 0.58 1.88	<b>29</b> SA	0508 1108 1742	1.37 0.55 1.67
<b>8</b> WE	0439 1042 1620 2249	0.43 1.43 0.59 1.85	<b>19</b> SU ☀	0233 0831 1420 2048	0.36 1.55 0.48 1.92	<b>30</b> TH	0500 1116 1742 2354	1.47 0.56 1.57 0.68	<b>8</b> SA	0620 1227 1800	0.39 1.39 0.66	<b>19</b> WE	0347 0943 1510 2144	0.42 1.36 0.62 1.84	<b>30</b> SU	0013 0600 1151 1826	0.58 1.38 0.52 1.78
<b>9</b> TH	0531 1135 1709 2340	0.45 1.37 0.65 1.81	<b>20</b> MO	0321 0919 1500 2130	0.37 1.48 0.54 1.90	<b>31</b> FR	0547 1154 1820	1.48 0.53 1.66	<b>9</b> SU	0026 0719 1330 1905	1.82 0.41 1.40 0.69	<b>20</b> TH	0428 1025 1549 2221	0.45 1.33 0.66 1.78			
<b>10</b> FR	0630 1235 1806	0.48 1.34 0.71	<b>21</b> TU	0408 1006 1539 2211	0.41 1.41 0.61 1.85				<b>10</b> MO ☀	0128 0818 1434 2017	1.74 0.43 1.45 0.70	<b>21</b> FR	0508 1107 1630 2300	0.49 1.31 0.70 1.71			
<b>11</b> SA	0037 0735 1342 1913	1.75 0.49 1.33 0.74	<b>22</b> WE	0454 1053 1618 2251	0.46 1.35 0.68 1.78				<b>11</b> TU	0233 0914 1536 2131	1.67 0.44 1.52 0.67	<b>22</b> SA	0549 1151 1714 2340	0.53 1.30 0.74 1.64			

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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 ◑



# 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
<b>TWOFOLD BAY</b>		
Eden	NIL	NIL
<b>MERIMBULA LAKE</b>		
Bridge	1 hr 30 min	1 hr 30 min
Within the Lake	2 hrs	3 to 4 hrs
<b>BERMAGUI RIVER</b>		
Bermagui Bridge	45 min	45 min
<b>WAGONGA INLET</b>		
Narooma	45 min	30 min
<b>MORUYA RIVER</b>		
Moruya	45 min	45 min
<b>BATEMANS BAY</b>		
<b>CLYDE RIVER</b>		
Bridge	15 min	15 min
<b>ULLADULLA</b>		
<b>JERVIS BAY</b>		
<b>CROOKHAVEN RIVER</b>		
Crookhaven Jetty	15 min	15 min
Greenwell Point	45 min	45 min
<b>SHOALHAVEN RIVER</b>		
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
<b>KIAMA</b>		
<b>LAKE ILLAWARRA</b>		
Bridge	15 min	1 hr 45 min
<b>PORT KEMBLA</b>		
<b>WOLLONGONG</b>		
<b>PORT HACKING</b>		
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
<b>BOTANY BAY &amp; GEORGES RIVER</b>		
Kurnell	NIL	NIL
Dolls Point	15 min	15 min
Como	30 min	15 min
Lugaro	1 hr	NIL
Milperra	2 hrs 15 min	2 hrs 10 min
Liverpool	2 hrs 45 min	2 hrs 30 min
<b>SYDNEY</b>		
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
<b>HAWKESBURY RIVER</b>		
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
<b>HUNTER RIVER</b>		
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
<b>BRISBANE WATER</b>		
Ettalong	30 min	40 min
Koolewong	2 hrs 10 min	2 hrs 20 min
<b>LAKE MACQUARIE</b>		
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
<b>PORT STEPHENS</b>		
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
<b>BROUGHTON ISLAND</b>	NIL	NIL
<b>CAPE HAWKE HARBOUR</b>		
Forster	0 to 15 min	NIL
Wollomba River (mouth)	1 hr 50 min	2 hrs 10 min
Nabiac	3 hrs	Limited information only
<b>MANNING RIVER</b>	Based on bar at Harrington	
Harrington	NIL	15 to 30 min
Taree	2 hrs	2 hrs 45 min
Wingham	3 hrs 15 min	3 hrs 45 min
<b>CROWDY HEAD</b>	NIL	NIL
<b>CAMDEN HAVEN</b>		
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
<b>HASTINGS RIVER</b>		
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
<b>TRIAL BAY</b>	NIL	NIL
<b>MACLEAY RIVER</b>		
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
<b>NAMBUCCA RIVER</b>	Limited information only	
Watts Creek	1 hr	
Macksville	1 hr 30 min	2 hrs 10 min
<b>KALANG RIVER</b>		
Urunga Bridge	1 hr 20 min	1 hr 40 min
<b>BELLINGER RIVER</b>	Limited information only	
Mylestom	30 min	1 hr
Raleigh	1 hr	1 hr 30 min
Bellingen	1 hr 40 min	2 hrs 10 min
<b>COFFS HARBOUR</b>	0 to 15 min	0 to 15 min
<b>N.W. SOLITARY ISLAND</b>	NIL	NIL
<b>WOOLI RIVER</b>		
Fishing Co-op	15 min	15 min
Wooli	1 hr 5 min	1 hr 50 min
<b>SANDON RIVER</b>		
Sandon	30 min	30 min
<b>CLARENCE RIVER</b>		
Iluka	NIL	NIL
Macleay	2 hrs 15 min	2 hrs 25 min
Ulmarra	4 hrs 30 min	5 hrs
Grafton	4 hrs 10 min	4 hrs 30 min
<b>EVANS RIVER</b>		
Evans Head Bridge	NIL	15 min
<b>RICHMOND RIVER</b>		
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
<b>BYRON BAY</b>	NIL	NIL
<b>BRUNSWICK RIVER</b>		
Pacific Highway Bridge	30 min	1 hr
<b>TWEED RIVER</b>		
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

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