

Transport for NSW

# NSW Tides 2022–2023



# Tidal predictions for Sydney Harbour with moon phases

July 2022 – June 2023

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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.**

Time variations – NSW Ports and rivers are shown on the last pages of this booklet.

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 2022

## 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 2022						August 2022											
	Time	m	Time	m	Time	Time	m	Time	m	Time	m						
<b>1</b>	0352	0.48	<b>12</b>	0052	0.36	<b>23</b>	0406	1.19	<b>1</b>	0434	0.40	<b>12</b>	0227	0.14	<b>23</b>	0550	1.15
FR	0947	1.30	TU	0643	1.44	SA	0954	0.65	MO	1037	1.36	FR	0823	1.45	TU	1111	0.67
	1511	0.65		1220	0.47		1640	1.57		1615	0.56		1401	0.35		1749	1.58
	2145	1.80		1900	2.00		2332	0.66		2235	1.70		2033	2.05			
<b>2</b>	0430	0.49	<b>13</b>	0148	0.26	<b>24</b>	0510	1.18	<b>2</b>	0509	0.41	<b>13</b>	0313	0.13	<b>24</b>	0042	0.50
SA	1027	1.29	WE	0742	1.42	SU	1044	0.66	TU	1117	1.39	SA	0912	1.49	WE	0634	1.21
	1551	0.66		1315	0.45		1730	1.61		1700	0.59		1455	0.33		1200	0.61
	2222	1.76		1954	2.08					2315	1.62		2122	2.00		1833	1.64
<b>3</b>	0508	0.50	<b>14</b>	0242	0.19	<b>25</b>	0024	0.60	<b>3</b>	0545	0.43	<b>14</b>	0358	0.16	<b>25</b>	0118	0.44
SU	1108	1.29	TH	0838	1.44	MO	0605	1.19	WE	1201	1.42	SU	1000	1.52	TH	0713	1.26
	1633	0.69		1411	0.43		1131	0.65		1750	0.63		1546	0.36		1243	0.56
	2301	1.72		2047	2.11		1815	1.66		2358	1.53		2209	1.89		1912	1.70
<b>4</b>	0548	0.52	<b>15</b>	0334	0.17	<b>26</b>	0106	0.54	<b>4</b>	0625	0.47	<b>15</b>	0440	0.23	<b>26</b>	0151	0.39
MO	1152	1.30	FR	0932	1.45	TU	0652	1.23	TH	1249	1.45	MO	1046	1.53	FR	0746	1.31
	1720	0.72		1506	0.43		1216	0.63		1847	0.66		1638	0.41		1321	0.50
	2343	1.66		2140	2.09		1856	1.71					2255	1.73		1948	1.74
<b>5</b>	0630	0.52	<b>16</b>	0426	0.19	<b>27</b>	0144	0.48	<b>5</b>	0047	1.42	<b>16</b>	0521	0.33	<b>27</b>	0223	0.35
TU	1240	1.32	SA	1026	1.45	WE	0732	1.26	FR	0708	0.51	TU	1132	1.52	SA	0820	1.36
	1812	0.74		1601	0.45		1259	0.60		1342	1.49		1730	0.50		1359	0.46
				2230	2.01		1934	1.75		1956	0.66		2340	1.55		2023	1.76
<b>6</b>	0028	1.59	<b>17</b>	0515	0.24	<b>28</b>	0218	0.44	<b>6</b>	0149	1.32	<b>17</b>	0600	0.43	<b>28</b>	0254	0.32
WE	0713	0.53	SU	1118	1.45	TH	0811	1.29	SA	0800	0.54	WE	1219	1.51	SU	0854	1.40
	1331	1.37		1657	0.50		1338	0.57		1442	1.55		1827	0.58		1437	0.44
	1911	0.76		2321	1.87		2012	1.78		2115	0.63					2058	1.75
<b>7</b>	0119	1.51	<b>18</b>	0603	0.32	<b>29</b>	0253	0.41	<b>7</b>	0304	1.26	<b>18</b>	0026	1.38	<b>29</b>	0325	0.31
TH	0758	0.53	MO	1211	1.46	FR	0846	1.31	SU	0900	0.56	TH	0638	0.53	MO	0929	1.45
	1425	1.44		1754	0.57		1415	0.55		1545	1.63		1308	1.49		1516	0.43
	2018	0.75					2047	1.79		2235	0.54		1929	0.66		2133	1.71
<b>8</b>	0219	1.45	<b>19</b>	0012	1.71	<b>30</b>	0327	0.40	<b>8</b>	0424	1.24	<b>19</b>	0117	1.23	<b>30</b>	0357	0.32
FR	0845	0.53	TU	0650	0.41	SA	0922	1.32	MO	1005	0.56	FR	0719	0.61	TU	1005	1.49
	1520	1.53		1303	1.46		1454	0.54		1650	1.74		1400	1.47		1559	0.44
	2132	0.70		1854	0.64		2123	1.79		2345	0.42		2040	0.70		2211	1.64
<b>9</b>	0327	1.40	<b>20</b>	0103	1.53	<b>31</b>	0400	0.39	<b>9</b>	0536	1.28	<b>20</b>	0219	1.12	<b>31</b>	0430	0.35
SA	0937	0.53	WE	0735	0.49	SU	0959	1.34	TU	1111	0.52	SA	0810	0.67	WE	1045	1.52
	1615	1.64		1357	1.47		1533	0.55		1752	1.85		1458	1.47		1645	0.47
	2245	0.61		2000	0.70		2159	1.75					2157	0.69		2252	1.54
<b>10</b>	0434	1.38	<b>21</b>	0159	1.38				<b>10</b>	0045	0.30	<b>21</b>	0337	1.08			
SU	1030	0.51	TH	0819	0.56				WE	0638	1.34	SU	0910	0.70			
	1711	1.77		1452	1.49					1211	0.46		1600	1.48			
	2352	0.49		2114	0.73					1849	1.96		2305	0.64			
<b>11</b>	0541	1.38	<b>22</b>	0300	1.26				<b>11</b>	0137	0.20	<b>22</b>	0452	1.10			
MO	1125	0.49	FR	0905	0.62				TH	0732	1.40	MO	1014	0.70			
	1805	1.89		1546	1.53					1308	0.39		1659	1.52			
				2227	0.72					1943	2.03		2359	0.57			

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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 ◑

# SEPTEMBER / OCTOBER 2022

## 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 2022

### October 2022

	Time	m	Time	m	Time	m	Time	m	Time	m	Time	m
<b>1</b>	0505	0.40	<b>12</b>	0323 <b>0.20</b>	<b>23</b>	0042 0.42	<b>1</b>	0515 0.51	<b>12</b>	0415 0.38	<b>23</b>	0127 0.38
TH	1127 1.54		MO	0930 1.61	FR	0643 1.31	SA	1148 1.67	WE	<b>1037 1.72</b>	SU	0739 1.49
	1736 0.51			1530 0.31		1222 0.54		1831 0.46		1700 0.36		1338 0.48
	2337 1.43			<b>2144 1.71</b>		1842 1.64				2300 1.40		1944 1.60
<b>2</b>	0544 0.46		<b>13</b>	0400 <b>0.28</b>	<b>24</b>	0114 0.37	<b>2</b>	0029 1.23	<b>13</b>	0447 0.47	<b>24</b>	0159 0.34
FR	1214 1.55		TU	1012 1.62	SA	0716 1.39	SU	0706 0.60	TH	1114 1.69	MO	0814 1.59
	1835 0.55			1618 0.37		1301 0.47		1346 1.63		1744 0.42		1420 0.40
				2227 1.56		1918 1.68		2046 0.49		2342 1.30		2023 1.60
<b>3</b>	0031 1.31		<b>14</b>	0434 0.38	<b>25</b>	0145 0.32	<b>3</b>	0243 1.16	<b>14</b>	0519 0.55	<b>25</b>	0231 0.32
SA	0630 0.53		WE	1052 1.61	SU	0748 1.46	MO	0813 0.66	FR	1151 1.65	TU	0849 1.69
	1308 1.56			1707 0.45		1340 0.41	☉	1457 1.60		1830 0.49	☉	1503 0.33
	1946 0.57			2309 1.40		1954 1.69		2208 0.47			☉	2105 1.58
<b>4</b>	0138 1.21		<b>15</b>	0507 0.48	<b>26</b>	<b>0215 0.29</b>	<b>4</b>	0410 1.16	<b>15</b>	0026 1.20	<b>26</b>	0305 0.32
SU	0727 0.60		TH	1133 1.57	MO	0822 1.54	TU	0934 0.60	SA	0554 0.64	WE	<b>0927 1.78</b>
☉	1414 1.57			1759 0.53	☉	1420 0.37		1616 1.62		1231 1.58		<b>1548 0.28</b>
	2111 0.55			2353 1.26		2030 1.68		2320 0.41		1920 0.56		2149 1.54
<b>5</b>	0302 1.16		<b>16</b>	0542 0.58	<b>27</b>	<b>0245 0.29</b>	<b>5</b>	0526 1.23	<b>16</b>	0115 1.13	<b>27</b>	0342 0.35
MO	0840 0.63		FR	1216 1.52	TU	0857 1.61	WE	1054 0.62	SU	0636 0.71	TH	<b>1008 1.84</b>
	1528 1.61			1855 0.60		1501 0.34		1730 1.67		1316 1.51		<b>1637 0.27</b>
	2231 0.47					2110 1.63				2019 0.61		2238 1.46
<b>6</b>	0427 1.18		<b>17</b>	0043 1.15	<b>28</b>	0318 0.31	<b>6</b>	0019 0.34	<b>17</b>	0214 1.09	<b>28</b>	0422 0.41
TU	0957 0.60		SA	0621 0.66	WE	0934 1.66	TH	0625 1.33	MO	0731 0.77	FR	<b>1052 1.85</b>
	1640 <b>1.70</b>			1305 1.47		1546 0.34		1202 0.53		1412 1.45		<b>1730 0.28</b>
	2337 0.36			2000 0.65		2151 1.55		<b>1830 1.73</b>		2127 0.63		2330 1.38
<b>7</b>	0535 1.26		<b>18</b>	0145 1.07	<b>29</b>	0353 0.36	<b>7</b>	0109 0.27	<b>18</b>	0329 1.08	<b>29</b>	0507 0.49
WE	1106 0.52		SU	0715 0.73	TH	1015 1.69	FR	0714 1.44	TU	0844 0.80	SA	<b>1140 1.83</b>
	1743 <b>1.80</b>		☉	1403 1.43		1635 0.37		1300 0.43	☉	1520 1.41		1827 0.32
				2115 0.66		2237 1.45		<b>1922 1.77</b>		2233 0.61		
<b>8</b>	0031 0.26		<b>19</b>	0307 1.05	<b>30</b>	0430 0.43	<b>8</b>	0152 0.23	<b>19</b>	0445 1.12	<b>30</b>	0027 1.30
TH	0630 1.36		MO	0828 0.76	FR	1059 1.69	SA	0758 1.54	WE	1003 0.79	SU	0558 0.57
	1207 0.43			1514 1.42		1730 0.41		1354 0.35		1632 1.42		<b>1233 1.78</b>
	<b>1838 1.89</b>			2225 0.62		2329 1.34		<b>2009 1.77</b>		2330 0.56		1930 0.37
<b>9</b>	0119 0.18		<b>20</b>	0428 1.09			<b>9</b>	0231 0.22	<b>20</b>	0544 1.20	<b>31</b>	0132 1.23
FR	0718 1.45		TU	0944 0.75			MO	0840 1.62	TH	1112 0.73	MO	0658 0.64
	1301 0.35			1621 1.45			SU	1443 0.31		1733 1.47		<b>1334 1.71</b>
	<b>1928 1.93</b>			2321 0.56				<b>2054 1.72</b>				2043 0.41
<b>10</b>	0203 0.15		<b>21</b>	0524 1.16			<b>10</b>	0308 0.25	<b>21</b>	0015 0.50		
SA	0803 1.53		WE	1047 0.69			MO	0920 1.68	FR	0628 1.29		
☉	1352 0.29			1717 1.51				1530 0.30		1208 0.65		
	2015 <b>1.91</b>							2137 1.63		1822 1.52		
<b>11</b>	0244 0.15		<b>22</b>	0005 0.49			<b>11</b>	0343 0.31	<b>22</b>	0053 0.44		
SU	0847 1.58		TH	0607 1.23			TU	0959 1.71	SA	0704 1.38		
	1442 0.28			1139 0.62				1615 0.32		1255 0.56		
	<b>2100 1.83</b>			1802 1.58				2218 1.52		1903 1.57		

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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 2022

## 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 2022

	Time	m	Time	m	Time	m
<b>1</b>	0246	1.20	<b>12</b>	0442 0.61	<b>23</b>	0150 0.38
TU	0810 0.68		SA	1117 1.71	WE	0818 1.82
☉	1445 1.65			1804 0.47		1448 0.31
☾	2154 0.41					2044 1.48
<b>2</b>	0403 1.24		<b>13</b>	0001 1.20	<b>24</b>	0230 0.38
WE	0929 0.68		SU	0520 0.67	TH	0901 1.91
	1600 1.62			1157 1.65	●	1538 0.25
	2257 0.39			1849 0.52		2135 1.45
<b>3</b>	0509 1.32		<b>14</b>	0048 1.16	<b>25</b>	0315 0.41
TH	1045 0.63		MO	0604 0.72	FR	0947 1.97
	1710 1.62			1240 1.58		1630 0.21
	2350 0.36			1940 0.56		2229 1.41
<b>4</b>	0602 1.42		<b>15</b>	0141 1.14	<b>26</b>	0401 0.45
FR	1153 0.56		TU	0657 0.77	SA	1037 1.98
	1809 1.62			1330 1.51		1724 0.21
				2036 0.59		2324 1.36
<b>5</b>	0036 0.34		<b>16</b>	0244 1.14	<b>27</b>	0454 0.50
SA	0650 1.53		WE	0800 0.80	SU	1129 1.95
	1252 0.48			1428 1.46		1821 0.25
	1900 1.60			2135 0.59		
<b>6</b>	0117 0.33		<b>17</b>	0350 1.17	<b>28</b>	0023 1.32
SU	0733 1.63		TH	0912 0.80	MO	0550 0.56
	1345 0.41		☉	1532 1.43		1224 1.89
	1947 1.57		☾	2230 0.56		1922 0.30
<b>7</b>	0155 0.35		<b>18</b>	0449 1.24	<b>29</b>	0126 1.29
MO	0814 1.70		FR	1023 0.77	TU	0653 0.61
	1433 0.37			1635 1.43		1323 1.79
	2032 1.51			2316 0.51		2025 0.34
<b>8</b>	0230 0.38		<b>19</b>	0538 1.34	<b>30</b>	0232 1.29
TU	0852 1.76		SA	1127 0.70	WE	0800 0.65
☉	1518 0.35			1731 1.45		1428 1.69
☾	2115 1.44			2357 0.47		2126 0.38
<b>9</b>	0302 0.43		<b>20</b>	0619 1.46		
WE	0930 1.78		SU	1222 0.61		
	1600 0.36			1821 1.47		
	2156 1.37					
<b>10</b>	0335 0.49		<b>21</b>	0035 0.42		
TH	1005 1.78		MO	0659 1.58		
	1641 0.38			1312 0.51		
	2237 1.31			1908 1.49		
<b>11</b>	0408 0.55		<b>22</b>	0112 0.39		
FR	1041 1.75		TU	0737 1.71		
	1722 0.42			1400 0.41		
	2318 1.25			1955 1.49		

### December 2022

	Time	m	Time	m	Time	m
<b>1</b>	0338 1.33		<b>12</b>	0458 0.65	<b>23</b>	0206 0.43
TH	0914 0.66		MO	1131 1.70	FR	0843 1.98
☉	1535 1.60			1820 0.48	●	1530 0.21
☾	2222 0.41					2125 1.40
<b>2</b>	0439 1.41		<b>13</b>	0019 1.21	<b>24</b>	0257 0.43
FR	1028 0.65		TU	0541 0.68	SA	0934 2.05
	1642 1.52			1212 1.65		1622 0.16
	2312 0.42			1903 0.51		2219 1.40
<b>3</b>	0533 1.49		<b>14</b>	0106 1.20	<b>25</b>	0350 0.43
SA	1139 0.61		WE	0721 0.68	SU	1027 2.07
	1742 1.46			1254 1.58		1715 0.15
	2358 0.44			1948 0.54		2314 1.40
<b>4</b>	0622 1.59		<b>15</b>	0157 1.21	<b>26</b>	0445 0.45
SU	1243 0.55		TH	0721 0.75	MO	1119 2.03
	1837 1.41			1342 1.51		1808 0.18
				2036 0.55		
<b>5</b>	0039 0.45		<b>16</b>	0253 1.24	<b>27</b>	0010 1.39
MO	0707 1.67		FR	0828 0.78	TU	0543 0.48
	1337 0.49			1434 1.45		1213 1.95
	1927 1.37		☉	2125 0.54		1902 0.24
<b>6</b>	0117 0.48		<b>17</b>	0349 1.30	<b>28</b>	0106 1.38
TU	0748 1.73		SA	0930 0.77	WE	0642 0.53
	1425 0.45			1534 1.40		1307 1.82
	2014 1.33			2213 0.53		1955 0.31
<b>7</b>	0153 0.50		<b>18</b>	0443 1.39	<b>29</b>	0204 1.39
WE	0827 1.77		SU	1041 0.73	TH	0745 0.59
	1507 0.41			1637 1.37		1403 1.67
	2057 1.31			2259 0.50		2046 0.39
<b>8</b>	0229 0.53		<b>19</b>	0531 1.50	<b>30</b>	0303 1.42
TH	0904 1.79		MO	1147 0.65	FR	0852 0.64
☉	1546 0.40			1738 1.36	☉	1502 1.51
☾	2138 1.29			2344 0.48		2137 0.46
<b>9</b>	0304 0.56		<b>20</b>	0618 1.63	<b>31</b>	0401 1.47
FR	0941 1.79		TU	1248 0.53	SA	1005 0.67
	1624 0.40			1837 1.37		1606 1.38
	2218 1.27					2226 0.51
<b>10</b>	0341 0.59		<b>21</b>	0030 0.46		
SA	1016 1.78		WE	0705 1.76		
	1701 0.41			1344 0.41		
	2258 1.25			1933 1.38		
<b>11</b>	0418 0.62		<b>22</b>	0116 0.44		
SU	1054 1.75		TH	0753 1.88		
	1740 0.44			1437 0.30		
	2337 1.23			2030 1.39		

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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 ☽

# JANUARY / FEBRUARY 2023

## 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

### January 2023

### February 2023

	Time	m	Time	m	Time	m	Time	m	Time	m	Time	m					
1 SU	0458	1.52	12 TH	0030	1.29	23 MO	0342	0.36	1	0614	1.57	23 TH	0516	0.33			
	1121	0.66		0602	0.64		1015	2.09		1315	0.60		0718	0.64	1134	1.81	
	1712	1.29		1224	1.62		1658	0.12		1902	1.16		1317	1.41	1754	0.29	
	2315	0.55		1902	0.48		2257	1.48		1930	0.54						
2 MO	0551	1.58	13 FR	0113	1.31	24 TU	0436	0.36	2	0023	0.68	13 MO	0202	1.48	24 FR	0005	1.64
	1231	0.62		0650	0.68		1106	2.04		0704	1.62		0818	0.62		0610	0.41
	1815	1.23		1303	1.54		1745	0.16		1400	0.54		1411	1.30		1220	1.64
			1941	0.50		2346	1.50		1950	1.20		2015	0.60		1833	0.40	
3 TU	0000	0.58	14 SA	0200	1.34	25 WE	0530	0.39	3	0112	0.65	14 TU	0259	1.51	25 SA	0051	1.62
	0640	1.64		0744	0.71		1156	1.93		0748	1.66		0933	0.67		0705	0.50
	1329	0.56		1349	1.45		1831	0.23		1438	0.48		1521	1.22		1307	1.45
	1912	1.22		2023	0.53				2030	1.25		2115	0.64		1911	0.52	
4 WE	0045	0.59	15 SU	0252	1.38	26 TH	0037	1.50	4	0155	0.60	15 WE	0405	1.56	26 SU	0138	1.59
	0725	1.69		0846	0.73		0627	0.45		0748	1.66		1058	0.62		0805	0.60
	1415	0.50		1444	1.36		1245	1.77		1513	0.44		1647	1.19		1358	1.28
	2001	1.23		2109	0.55		1916	0.33		2105	1.29		2228	0.65		1951	0.63
5 TH	0128	0.59	16 MO	0346	1.45	27 FR	0129	1.50	5	0234	0.56	16 TH	0516	1.64	27 MO	0230	1.54
	0806	1.73		0959	0.71		0725	0.53		0905	1.74		1215	0.51		0914	0.67
	1456	0.46		1549	1.29		1335	1.58		1545	0.41		1809	1.22		1459	1.15
	2044	1.25		2201	0.56		2000	0.44		2139	1.33		2342	0.61		2040	0.72
6 FR	0208	0.59	17 TU	0445	1.53	28 SA	0222	1.50	6	0311	0.53	17 FR	0623	1.76	28 TU	0329	1.50
	0845	1.75		1117	0.65		0829	0.61		0940	1.76		1319	0.38		1031	0.70
	1532	0.43		1704	1.26		1429	1.39		1615	0.39		1915	1.30		1617	1.09
	2123	1.27		2259	0.56		2045	0.54		2212	1.35		2144	0.78		2144	0.78
7 SA	0246	0.58	18 WE	0543	1.64	29 SU	0317	1.50	7	0346	0.51	18 SA	0047	0.53	29 SU	0329	1.50
	0922	1.77		1229	0.54		0941	0.67		1015	1.76		0723	1.89		1031	0.70
	1607	0.41		1816	1.27		1530	1.24		1646	0.39		1414	0.26		1617	1.09
	2200	1.28		2359	0.54		2134	0.62		2245	1.38		2011	1.40		2144	0.78
8 SU	0324	0.57	19 TH	0640	1.77	30 MO	0416	1.51	8	0424	0.51	19 SU	0145	0.43	30 MO	0240	0.35
	0959	1.78		1331	0.40		1100	0.69		1047	1.74		0818	1.99		0910	2.04
	1641	0.41		1922	1.31		1644	1.15		1716	0.40		1502	0.17		1548	0.13
	2236	1.29				2230	0.67		2318	1.40		2100	1.48		2147	1.56	
9 MO	0401	0.57	20 FR	0057	0.50	31 TU	0516	1.54	9	0502	0.53	20 MO	0240	0.35	31 TU	0332	0.30
	1035	1.77		0736	1.90		1215	0.65		1121	1.68		0910	2.04		1000	2.03
	1715	0.42		1427	0.28		1800	1.13		1747	0.41		1548	0.13		1632	0.14
	2312	1.29		2020	1.36		2328	0.69		2354	1.42		2147	1.56		2233	1.61
10 TU	0440	0.58	21 SA	0153	0.45				10	0543	0.56	21 TU	0332	0.30			
	1111	1.74		0830	2.00					1157	1.61		1000	2.03			
	1750	0.43		1519	0.18					1818	0.45		1632	0.14			
	2349	1.29		2115	1.41							2233	1.61				
11 WE	0520	0.61	22 SU	0247	0.40				11	0032	1.44	22 WE	0425	0.30			
	1146	1.69		0924	2.07					0628	0.60		1047	1.95			
	1826	0.45		1609	0.13					1234	1.51		1715	0.20			
			2206	1.45					1852	0.49		2319	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 ●



# MARCH / APRIL 2023

## 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 2023

	Time	m	Time	m	Time	m		
<b>1</b> WE	0435	1.49	<b>12</b> SU	0614	0.53	<b>23</b> TH	0412	0.31
	1147	0.68		1215	1.45		1026	1.78
	1745	1.10		1811	0.53		1637	0.31
	2258	0.79					2249	1.77
<b>2</b> TH	0542	1.51	<b>13</b> MO	0039	1.61	<b>24</b> FR	0502	0.35
	1247	0.63		0705	0.57		1111	1.64
	1847	1.16		1301	1.35		1714	0.41
			1850	0.60	2331	1.77		
<b>3</b> FR	0004	0.75	<b>14</b> TU	0128	1.60	<b>25</b> SA	0553	0.42
	0638	1.55		0807	0.61		1157	1.49
	1333	0.56		1400	1.25		1748	0.52
	1931	1.23	1941	0.68				
<b>4</b> SA	0057	0.69	<b>15</b> WE	0227	1.59	<b>26</b> SU	0013	1.73
	0725	1.61		0924	0.62		0645	0.50
	1410	0.51		1516	1.18		1243	1.34
	2008	1.30	2049	0.73	1823	0.63		
<b>5</b> SU	0140	0.62	<b>16</b> TH	0341	1.60	<b>27</b> MO	0056	1.66
	0804	1.67		1049	0.57		0741	0.59
	1443	0.46		1647	1.19		1331	1.22
	2041	1.36	2215	0.73	1900	0.73		
<b>6</b> MO	0218	0.56	<b>17</b> FR	0500	1.66	<b>28</b> TU	0142	1.59
	0841	1.71		1202	0.48		0843	0.66
	1513	0.42		1805	1.26		1430	1.14
	2113	1.42	2334	0.66	1949	0.81		
<b>7</b> TU	0254	0.51	<b>18</b> SA	0610	1.76	<b>29</b> WE	0238	1.52
	0915	1.73		1301	0.37		0953	0.70
	1542	0.39		1904	1.37		1548	1.11
	2143	1.47			2100	0.86		
<b>8</b> WE	0330	0.48	<b>19</b> SU	0040	0.55	<b>30</b> TH	0346	1.47
	0948	1.72		0709	1.86		1103	0.69
	1610	0.39		1352	0.28		1713	1.14
	2214	1.52	1954	1.49	2222	0.86		
<b>9</b> TH	0407	0.47	<b>20</b> MO	0137	0.44	<b>31</b> FR	0500	1.48
	1022	1.69		0801	1.93		1202	0.65
	1638	0.40		1437	0.22		1815	1.21
	2246	1.56	2040	1.60	2334	0.81		
<b>10</b> FR	0446	0.47	<b>21</b> TU	0230	0.35			
	1057	1.63		0851	1.94			
	1707	0.42		1519	0.21			
	2321	1.60	2124	1.69				
<b>11</b> SA	0528	0.49	<b>22</b> WE	0322	0.31			
	1134	1.55		0939	1.89			
	1738	0.47		1600	0.24			
	2358	1.61	2207	1.75				

### April 2023

	Time	m	Time	m	Time	m		
<b>1</b> SA	0600	1.52	<b>12</b> WE	0009	1.72	<b>23</b> SU	0435	0.45
	1249	0.60		0708	0.55		1034	1.37
	1859	1.29		1303	1.24		1606	0.63
			1828	0.75	2238	1.80		
<b>2</b> SU	0030	0.74	<b>13</b> TH	0112	1.68	<b>24</b> MO	0524	0.52
	0548	1.57		0823	0.56		1120	1.29
	1228	0.54		1423	1.22		1642	0.72
	1835	1.37	1944	0.78	2317	1.73		
<b>3</b> MO	0015	0.66	<b>14</b> FR	0229	1.67	<b>25</b> TU	0614	0.59
	0630	1.62		0937	0.52		1208	1.22
	1300	0.49		1545	1.27		1722	0.79
	1908	1.45	2109	0.76				
<b>4</b> TU	0056	0.59	<b>15</b> SA	0345	1.70	<b>26</b> WE	0001	1.64
	0706	1.65		1041	0.46		0709	0.65
	1330	0.45		1651	1.36		1303	1.18
	1939	1.53	2226	0.68	1812	0.86		
<b>5</b> WE	0133	0.53	<b>16</b> SU	0452	1.75	<b>27</b> TH	0053	1.56
	0742	1.62		1134	0.39		0809	0.69
	1359	0.43		1744	1.48		1410	1.17
	2010	1.61	2330	0.57	1918	0.89		
<b>6</b> TH	0211	0.48	<b>17</b> MO	0549	1.80	<b>28</b> FR	0156	1.51
	0817	1.65		1221	0.34		0911	0.69
	1428	0.43		1831	1.61		1522	1.20
	2042	1.68			2036	0.90		
<b>7</b> FR	0250	0.45	<b>18</b> TU	0028	0.48	<b>29</b> SA	0306	1.49
	0855	1.62		0641	1.80		1006	0.66
	1458	0.44		1304	0.32		1624	1.26
	2115	1.74	1915	1.72	2150	0.86		
<b>8</b> SA	0331	0.44	<b>19</b> WE	0120	0.40	<b>30</b> SU	0409	1.51
	0934	1.56		0730	1.76		1053	0.62
	1530	0.48		1344	0.34		1712	1.35
	2152	1.78	1958	1.80	2251	0.79		
<b>9</b> SU	0416	0.45	<b>20</b> TH	0211	0.37			
	1017	1.48		0816	1.69			
	1603	0.53		1421	0.39			
	2231	1.78	2039	1.86				
<b>10</b> MO	0506	0.48	<b>21</b> FR	0300	0.37			
	1105	1.39		0902	1.59			
	1643	0.61		1457	0.46			
	2316	1.76	2119	1.87				
<b>11</b> TU	0602	0.52	<b>22</b> SA	0347	0.40			
	1159	1.31		0948	1.48			
	1729	0.68		1531	0.54			
			2159	1.85				

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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 ◑

# MAY / JUNE 2023

## 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 2023						June 2023											
	Time	m	Time	m		Time	m	Time	m	Time	m						
<b>1</b> MO	0500	1.54	<b>12</b> FR	0104 <b>1.77</b>	<b>23</b> TU	0459	0.53	<b>1</b> TH	0545	1.47	<b>12</b> MO	0300	1.62	<b>23</b> FR	0551	0.56	
	1132	0.57		0813	0.49		1056	1.27		1146	0.54		0934	0.48		1153	1.27
	1751	1.44		1418	1.31		1611	0.75		<b>1817</b> <b>1.72</b>		1556	1.56		1714	0.76	
	2343	0.72		1942	0.77		<b>2247</b> <b>1.76</b>					2159	0.69		2340	1.65	
<b>2</b> TU	0545	1.56	<b>13</b> SA	0215 <b>1.72</b>	<b>24</b> WE	0544	0.58	<b>2</b> FR	0045	0.57	<b>13</b> TU	0403	1.54	<b>24</b> SA	0633	0.58	
	1207	0.53		0915	0.48		1141	1.24		0632	1.47		1021	0.50		1240	1.28
	1826	1.54		1527	1.38		1653	0.80		1224	0.53		1648	1.65		1804	0.79
			☉	2100	0.75		2329	1.69		<b>1858</b> <b>1.83</b>		2309	0.64				
<b>3</b> WE	0027	0.64	<b>14</b> SU	0326 <b>1.70</b>	<b>25</b> TH	0631	0.63	<b>3</b> SA	0131	0.48	<b>14</b> WE	0502	1.46	<b>25</b> SU	0024	1.58	
	0626	1.58		1011	0.46		1230	1.23		0721	1.46		1105	0.52		0716	0.60
	1239	0.50		1626	1.48		1742	0.84		1304	0.53		<b>1738</b> <b>1.73</b>		1331	1.31	
	1900	1.64		2213	0.69					<b>1940</b> <b>1.92</b>					1902	0.82	
<b>4</b> TH	0109	0.56	<b>15</b> MO	0429	1.69	<b>26</b> FR	0015	1.62	<b>4</b> SU	0218	0.40	<b>15</b> TH	0011	0.58	<b>26</b> MO	0114	1.50
	0705	1.58		1100	0.44		0722	0.65		0811	1.45		0559	1.41		0800	0.60
	1311	0.48		1717	1.59		1326	1.23		1348	0.54		1148	0.55		1425	1.36
	<b>1933</b> <b>1.74</b>			2318	0.61		1840	0.87		☉	<b>2025</b> <b>1.99</b>		<b>1824</b> <b>1.80</b>		☾	2007	0.83
<b>5</b> FR	0150	0.49	<b>16</b> TU	0526	1.66	<b>27</b> SA	0108	1.56	<b>5</b> MO	0308	0.35	<b>16</b> FR	0104	0.53	<b>27</b> TU	0209	1.43
	0746	1.56		1145	0.43		0814	0.66		0904	1.43		0650	1.37		0845	0.60
	1344	0.48		<b>1804</b> <b>1.70</b>			1426	1.26		1435	0.55		1230	0.58		1516	1.43
	2008	1.83					1946	0.88		<b>2113</b> <b>2.03</b>		<b>1907</b> <b>1.85</b>			2117	0.81	
<b>6</b> SA	0233	0.44	<b>17</b> WE	0017	0.54	<b>28</b> SU	0208	1.51	<b>6</b> TU	0400	0.33	<b>17</b> SA	0151	0.49	<b>28</b> WE	0310	1.38
	0830	1.53		0617	1.62		0904	0.65		0959	1.40		0739	1.34		0930	0.60
	1418	0.50		1226	0.44		1524	1.31		1526	0.58		1310	0.61		1606	1.52
	☉	<b>2047</b> <b>1.89</b>		<b>1849</b> <b>1.80</b>		☾	2057	0.87		<b>2202</b> <b>2.02</b>		<b>1948</b> <b>1.87</b>			2226	0.75	
<b>7</b> SU	0319	0.41	<b>18</b> TH	0111	0.48	<b>29</b> MO	0309	1.48	<b>7</b> WE	0455	0.34	<b>18</b> SU	0234	0.47	<b>29</b> TH	0411	1.35
	0916	1.48		0707	1.56		0950	0.62		1055	1.38		0825	1.32		1014	0.59
	1457	0.54		1304	0.48		1615	1.40		1620	0.61		1349	0.63		1654	1.63
	<b>2129</b> <b>1.93</b>			<b>1931</b> <b>1.86</b>			2204	0.83		<b>2256</b> <b>1.98</b>		☉	<b>2028</b> <b>1.87</b>		2328	0.65	
<b>8</b> MO	0408	0.41	<b>19</b> FR	0200	0.44	<b>30</b> TU	0405	1.47	<b>8</b> TH	0553	0.36	<b>19</b> MO	0315	0.47	<b>30</b> FR	0511	1.35
	1007	1.43		0755	1.49		1031	0.59		1153	1.37		0907	1.31		1100	0.57
	1540	0.59		1342	0.52		1700	1.50		1719	0.65		1429	0.66		<b>1741</b> <b>1.74</b>	
	<b>2214</b> <b>1.92</b>			<b>2012</b> <b>1.90</b>			2303	0.76		<b>2352</b> <b>1.91</b>		<b>2106</b> <b>1.85</b>					
<b>9</b> TU	0501	0.42	<b>20</b> SA	0247	0.43	<b>31</b> WE	0457	1.47	<b>9</b> FR	0651	0.39	<b>20</b> TU	0353	0.48			
	1100	1.37		0842	1.42		1109	0.56		1255	1.38		0948	1.30			
	1628	0.65		1418	0.58		1739	1.61		1823	0.69		1507	0.68			
	<b>2304</b> <b>1.89</b>		☉	<b>2051</b> <b>1.90</b>			2356	0.67					<b>2144</b> <b>1.82</b>				
<b>10</b> WE	0601	0.46	<b>21</b> SU	0331	0.45				<b>10</b> SA	<b>0051</b> <b>1.82</b>	<b>21</b> WE	0432	0.51				
	1200	1.32		0928	1.37					0748	0.42		1029	1.28			
	1723	0.71		1455	0.64					1358	1.41		1547	0.70			
				<b>2130</b> <b>1.88</b>						1932	0.71		<b>2221</b> <b>1.77</b>				
<b>11</b> TH	0000	1.83	<b>22</b> MO	0415	0.48				<b>11</b> SU	0155	1.71	<b>22</b> TH	0511	0.54			
	0706	0.48		1012	1.32					0844	0.45		1110	1.27			
	1306	1.29		1531	0.70					1459	1.47		1629	0.73			
	1828	0.76		<b>2208</b> <b>1.83</b>						☉	<b>2045</b> <b>0.71</b>		<b>2300</b> <b>1.72</b>				

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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>		
	NIL	NIL
<b>CLYDE RIVER</b>		
Bridge	15 min	15 min
<b>ULLADULLA</b>		
	NIL	NIL
<b>JERVIS BAY</b>		
	NIL	NIL
<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>		
	NIL	NIL
<b>LAKE ILLAWARRA</b>		
Bridge	15 min	1 hr 45 min
<b>PORT KEMBLA</b>		
	NIL	NIL
<b>WOLLONGONG</b>		
	NIL	NIL
<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
Wallamba 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
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
<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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# Are you prepared with lifejackets?

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Make sure your lifejacket is serviced and in good working order, remember, it can only save your life if you're wearing it.



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**ARE YOU BOAT READY?**  
PLAN ○ PREPARE ○ PREDICT

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 13 12 36

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