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# BOTANY BAY – NEW SOUTH WALES

LAT 33° 58' S LONG 151° 13' E

Times and Heights of High and Low Waters

# 2019

Local Time

JANUARY				FEBRUARY				MARCH				APRIL			
Time	m	Time	m	Time	m	Time	m	Time	m	Time	m	Time	m	Time	m
<b>1</b> 0544 1.55		<b>16</b> 0444 1.45		<b>1</b> 0021 0.59		<b>16</b> 0606 1.68		<b>1</b> 0540 1.51		<b>16</b> 0434 1.60		<b>1</b> 0027 0.71		<b>16</b> 0525 1.78	
1209 0.58		1100 0.67		0702 1.61		1252 0.43		1233 0.59		1126 0.51		0647 1.55		1200 0.33	
TU 1800 1.32		WE 1653 1.28		FR 1349 0.50		SA 1849 1.30		FR 1827 1.18		SA 1731 1.26		MO 1324 0.52		TU 1814 1.57	
		2302 0.52		1936 1.23				2359 0.68		2311 0.62		1930 1.37			
<b>2</b> 0000 0.49		<b>17</b> 0539 1.55		<b>2</b> 0110 0.57		<b>17</b> 0030 0.49		<b>2</b> 0635 1.55		<b>17</b> 0544 1.69		<b>2</b> 0115 0.64		<b>17</b> 0007 0.47	
0636 1.62		1210 0.57		0747 1.65		0704 1.80		1323 0.54		1231 0.41		0730 1.59		0621 1.82	
WE 1312 0.52		TH 1800 1.29		SA 1431 0.45		SU 1349 0.30		SA 1918 1.24		SU 1837 1.35		TU 1400 0.48		WE 1248 0.28	
		2357 0.49		2020 1.26		1947 1.39						2005 1.44		1901 1.68	
<b>3</b> 0045 0.50		<b>18</b> 0632 1.68		<b>3</b> 0152 0.55		<b>18</b> 0129 0.41		<b>3</b> 0052 0.64		<b>18</b> 0018 0.53		<b>3</b> 0155 0.58		<b>18</b> 0102 0.38	
0723 1.68		1312 0.45		0828 1.69		0800 1.92		0722 1.59		0645 1.80		0808 1.62		0714 1.82	
TH 1403 0.46		FR 1903 1.32		SU 1508 0.41		MO 1441 0.19		SU 1403 0.49		MO 1328 0.30		WE 1432 0.45		TH 1333 0.27	
		1949 1.28		2059 1.30		2041 1.47		1959 1.30		1932 1.46		2038 1.51		1947 1.78	
<b>4</b> 0129 0.51		<b>19</b> 0049 0.44		<b>4</b> 0231 0.53		<b>19</b> 0223 0.33		<b>4</b> 0137 0.59		<b>19</b> 0117 0.43		<b>4</b> 0232 0.52		<b>19</b> 0155 0.32	
0807 1.72		0725 1.80		0905 1.72		0852 2.01		0803 1.64		0742 1.89		0845 1.63		0804 1.78	
FR 1448 0.42		SA 1407 0.32		MO 1541 0.38		TU 1530 0.12		MO 1439 0.44		TU 1417 0.21		TH 1502 0.43		FR 1415 0.29	
		2000 1.37		2133 1.33		2130 1.54		2035 1.36		2023 1.57		2110 1.57		○ 2032 1.84	
<b>5</b> 0209 0.51		<b>20</b> 0142 0.39		<b>5</b> 0308 0.51		<b>20</b> 0316 0.27		<b>5</b> 0215 0.54		<b>20</b> 0213 0.33		<b>5</b> 0309 0.48		<b>20</b> 0246 0.29	
0846 1.75		0816 1.92		0940 1.74		0944 2.03		0840 1.67		0834 1.94		0919 1.63		0854 1.71	
SA 1528 0.38		SU 1459 0.21		TU 1614 0.37		WE 1616 0.10		TU 1511 0.41		WE 1504 0.17		FR 1532 0.42		SA 1457 0.35	
		2055 1.42		● 2208 1.35		○ 2219 1.59		2108 1.41		2110 1.66		● 2143 1.62		2115 1.87	
<b>6</b> 0247 0.52		<b>21</b> 0234 0.35		<b>6</b> 0345 0.49		<b>21</b> 0410 0.25		<b>6</b> 0252 0.50		<b>21</b> 0306 0.27		<b>6</b> 0346 0.45		<b>21</b> 0338 0.31	
0924 1.77		0908 2.01		1014 1.73		1033 2.00		0915 1.69		0925 1.94		0956 1.61		0943 1.60	
SU 1604 0.37		MO 1549 0.14		WE 1645 0.37		TH 1702 0.13		WE 1542 0.39		TH 1548 0.17		SA 1602 0.43		SU 1537 0.43	
		○ 2147 1.46		2242 1.37		2307 1.62		2141 1.45		○ 2157 1.72		2215 1.67		2159 1.86	
<b>7</b> 0324 0.52		<b>22</b> 0327 0.32		<b>7</b> 0420 0.50		<b>22</b> 0503 0.27		<b>7</b> 0328 0.47		<b>22</b> 0359 0.25		<b>7</b> 0326 0.44		<b>22</b> 0430 0.36	
1000 1.77		0959 2.06		1047 1.71		1123 1.90		0949 1.69		1015 1.88		0932 1.57		1030 1.49	
MO 1640 0.37		TU 1638 0.10		TH 1717 0.38		FR 1747 0.20		TH 1612 0.38		FR 1631 0.22		SU 1534 0.46		MO 1615 0.53	
		2239 1.49		2316 1.38		2356 1.63		● 2213 1.48		2242 1.76		2150 1.70		2242 1.82	
<b>8</b> 0401 0.54		<b>23</b> 0421 0.31		<b>8</b> 0459 0.51		<b>23</b> 0558 0.33		<b>8</b> 0404 0.46		<b>23</b> 0451 0.27		<b>8</b> 0407 0.45		<b>23</b> 0521 0.43	
1035 1.75		1049 2.05		1121 1.67		1212 1.75		1023 1.67		1103 1.76		1012 1.51		1119 1.38	
TU 1715 0.38		WE 1728 0.11		FR 1749 0.40		SA 1831 0.30		FR 1642 0.39		SA 1714 0.30		MO 1608 0.50		TU 1655 0.63	
		2330 1.50		2353 1.39				2245 1.51		2328 1.76		2229 1.71		2325 1.75	
<b>9</b> 0439 0.56		<b>24</b> 0515 0.34		<b>9</b> 0538 0.54		<b>24</b> 0045 1.61		<b>9</b> 0442 0.46		<b>24</b> 0545 0.33		<b>9</b> 0452 0.47		<b>24</b> 0614 0.51	
1111 1.72		1140 1.97		1157 1.60		0655 0.41		1057 1.63		1151 1.62		1055 1.44		1209 1.29	
WE 1750 0.40		TH 1817 0.17		SA 1823 0.44		SU 1301 1.58		SA 1712 0.41		SU 1754 0.41		TU 1645 0.55		WE 1736 0.72	
		2347 1.30				1916 0.42		2320 1.53				2310 1.70			
<b>10</b> 0518 0.58		<b>25</b> 0022 1.50		<b>10</b> 0031 1.40		<b>25</b> 0136 1.57		<b>10</b> 0521 0.48		<b>25</b> 0013 1.73		<b>10</b> 0542 0.50		<b>25</b> 0010 1.66	
1145 1.67		0612 0.39		0622 0.58		0755 0.51		1132 1.56		0639 0.41		1143 1.36		0708 0.58	
TH 1826 0.43		FR 1231 1.85		SU 1233 1.52		MO 1354 1.40		SU 1744 0.45		MO 1241 1.46		WE 1727 0.62		TH 1303 1.23	
		1906 0.25		1859 0.48		2001 0.53		2357 1.54		1835 0.53		2357 1.68		1824 0.80	
<b>11</b> 0028 1.29		<b>26</b> 0115 1.49		<b>11</b> 0114 1.40		<b>26</b> 0230 1.53		<b>11</b> 0604 0.52		<b>26</b> 0100 1.67		<b>11</b> 0639 0.53		<b>26</b> 0100 1.58	
0600 0.62		0711 0.46		0710 0.62		0901 0.59		1211 1.48		0736 0.50		1239 1.29		0805 0.63	
FR 1223 1.61		SA 1323 1.68		MO 1315 1.43		TU 1454 1.26		MO 1818 0.50		TU 1331 1.32		TH 1817 0.68		FR 1405 1.20	
		1956 0.35		1938 0.52		● 2052 0.62				1917 0.64				1922 0.85	
<b>12</b> 0111 1.29		<b>27</b> 0212 1.48		<b>12</b> 0201 1.41		<b>27</b> 0330 1.50		<b>12</b> 0037 1.54		<b>27</b> 0149 1.60		<b>12</b> 0052 1.65		<b>27</b> 0158 1.52	
0646 0.66		0814 0.54		0805 0.65		1015 0.63		0652 0.55		0837 0.58		0745 0.55		0904 0.64	
SA 1303 1.53		SU 1418 1.51		TU 1404 1.34		WE 1604 1.17		TU 1254 1.39		WE 1430 1.22		FR 1347 1.25		SA 1514 1.22	
		2045 0.44		2023 0.56		2151 0.68		1856 0.56		2006 0.73		1922 0.73		● 2033 0.87	
<b>13</b> 0159 1.30		<b>28</b> 0311 1.48		<b>13</b> 0256 1.43		<b>28</b> 0436 1.49		<b>13</b> 0123 1.53		<b>28</b> 0245 1.53		<b>13</b> 0200 1.63		<b>28</b> 0304 1.48	
0738 0.70		0923 0.60		0912 0.67		1130 0.63		0746 0.59		0944 0.63		0858 0.53		1000 0.63	
SU 1348 1.44		MO 1520 1.35		WE 1507 1.26		TH 1722 1.15		WE 1345 1.30		TH 1539 1.16		SA 1506 1.26		SU 1615 1.27	
		● 2138 0.52		● 2117 0.59		2256 0.70		1943 0.62		● 2107 0.79		● 2040 0.73		2146 0.84	
<b>14</b> 0251 1.32		<b>29</b> 0413 1.49		<b>14</b> 0358 1.48		<b>29</b> 0350 1.49		<b>14</b> 0217 1.53		<b>29</b> 0350 1.49		<b>14</b> 0314 1.66		<b>29</b> 0408 1.49	
0838 0.72		1038 0.63		1029 0.63		1051 0.64		0853 0.61		1051 0.64		1007 0.47		1050 0.60	
MO 1441 1.36		TU 1630 1.24		TH 1623 1.22		FR 1655 1.17		TH 1450 1.24		FR 1655 1.17		SU 1620 1.34		MO 1707 1.35	
		● 2117 0.53		2222 0.59		2219 0.80		● 2041 0.66		2219 0.80		2158 0.67		2250 0.78	
<b>15</b> 0346 1.37		<b>30</b> 0514 1.52		<b>15</b> 0502 1.56		<b>30</b> 0458 1.48		<b>15</b> 0322 1.54		<b>30</b> 0458 1.48		<b>15</b> 0424 1.71		<b>30</b> 0501 1.51	
0947 0.72		1154 0.61		1145 0.55		1152 0.62		1010 0.59		1152 0.62		1108 0.40		1133 0.56	
TU 1545 1.30		WE 1741 1.20		FR 1741 1.24		SA 1759 1.22		FR 1610 1.21		SA 1759 1.22		MO 1721 1.44		TU 1750 1.43	
		2328 0.59		2329 0.55		2329 0.77		2155 0.67		2329 0.77		2306 0.58		2343 0.71	
		<b>31</b> 0611 1.56								<b>31</b> 0557 1.51					
		1259 0.56								1243 0.57					
		TH 1844 1.20								SU 1848 1.29					

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Datum of Predictions is Lowest Astronomical Tide

Caution: Predictions are of secondary quality

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

Moon Phase Symbols

● New Moon

◐ First Quarter

○ Full Moon

◑ Last Quarter



# BOTANY BAY – NEW SOUTH WALES

LAT 33° 58' S LONG 151° 13' E

Times and Heights of High and Low Waters

# 2019

Local Time

SEPTEMBER				OCTOBER				NOVEMBER				DECEMBER			
Time	m	Time	m	Time	m	Time	m	Time	m	Time	m	Time	m	Time	m
<b>1</b> 0332	0.10	<b>16</b> 0321	0.37	<b>1</b> 0345	0.22	<b>16</b> 0413	0.42	<b>1</b> 0536	0.53	<b>16</b> 0457	0.53	<b>1</b> 0027	1.24	<b>16</b> 0000	1.32
0938	1.63	0930	1.50	1000	1.78	1032	1.65	1206	1.76	1128	1.77	0549	0.64	0532	0.53
SU 1534	0.25	MO 1526	0.45	TU 1617	0.23	WE 1650	0.40	FR 1854	0.38	SA 1810	0.37	SU 1222	1.70	MO 1202	1.85
2153	1.93	2138	1.58	2225	1.62	2252	1.43					1916	0.44	1851	0.30
<b>2</b> 0417	0.16	<b>17</b> 0351	0.40	<b>2</b> 0428	0.32	<b>17</b> 0445	0.46	<b>2</b> 0052	1.25	<b>17</b> 0011	1.28	<b>2</b> 0116	1.21	<b>17</b> 0056	1.31
1028	1.66	1003	1.52	1048	1.76	1108	1.66	0622	0.63	0543	0.58	0636	0.70	0628	0.57
MO 1630	0.29	TU 1605	0.47	WE 1714	0.31	TH 1732	0.42	SA 1254	1.67	SU 1215	1.74	MO 1306	1.60	TU 1254	1.79
2243	1.79	2213	1.51	2316	1.46	2333	1.36	1951	0.46	1903	0.40	2005	0.50	1945	0.33
<b>3</b> 0503	0.25	<b>18</b> 0423	0.44	<b>3</b> 0512	0.44	<b>18</b> 0521	0.52	<b>3</b> 0149	1.18	<b>18</b> 0107	1.25	<b>3</b> 0209	1.19	<b>18</b> 0155	1.32
1117	1.66	1039	1.53	1137	1.71	1148	1.65	0712	0.71	0636	0.63	0729	0.75	0729	0.60
TU 1728	0.36	WE 1647	0.50	TH 1814	0.40	FR 1819	0.46	SU 1345	1.57	MO 1307	1.69	TU 1354	1.51	WE 1350	1.70
2334	1.61	2251	1.43					2050	0.52	2003	0.42	2056	0.54	2043	0.35
<b>4</b> 0548	0.36	<b>19</b> 0456	0.49	<b>4</b> 0012	1.31	<b>19</b> 0019	1.29	<b>4</b> 0253	1.15	<b>19</b> 0211	1.23	<b>4</b> 0306	1.20	<b>19</b> 0257	1.35
1209	1.64	1118	1.53	0558	0.56	0601	0.58	0812	0.77	0739	0.67	0829	0.78	0836	0.62
WE 1830	0.44	TH 1733	0.54	FR 1229	1.63	SA 1232	1.62	MO 1443	1.49	TU 1407	1.65	WE 1448	1.43	TH 1453	1.61
		2332	1.34	1918	0.48	1914	0.49	2150	0.56	2107	0.42	2146	0.55	2139	0.37
<b>5</b> 0030	1.43	<b>20</b> 0533	0.55	<b>5</b> 0113	1.20	<b>20</b> 0113	1.22	<b>5</b> 0400	1.17	<b>20</b> 0320	1.26	<b>5</b> 0405	1.24	<b>20</b> 0400	1.42
0636	0.48	1201	1.51	0649	0.66	0650	0.64	0920	0.79	0851	0.67	0937	0.79	0949	0.61
TH 1304	1.60	FR 1827	0.58	SA 1326	1.56	SU 1324	1.59	TU 1548	1.43	WE 1515	1.61	TH 1549	1.38	FR 1600	1.53
1938	0.52			2028	0.54	2016	0.51	2246	0.56	2210	0.39	2235	0.55	2233	0.38
<b>6</b> 0131	1.27	<b>21</b> 0023	1.25	<b>6</b> 0325	1.13	<b>21</b> 0218	1.18	<b>6</b> 0500	1.22	<b>21</b> 0427	1.34	<b>6</b> 0500	1.31	<b>21</b> 0500	1.50
0729	0.58	0618	0.61	0852	0.72	0751	0.68	1030	0.77	1006	0.64	1047	0.76	1104	0.57
FR 1404	1.56	SA 1253	1.50	SU 1531	1.50	MO 1427	1.57	WE 1652	1.42	TH 1625	1.61	FR 1651	1.36	SA 1707	1.47
2053	0.57	1930	0.60	2237	0.56	2128	0.50	2336	0.53	2307	0.35	2322	0.52	2326	0.39
<b>7</b> 0245	1.17	<b>22</b> 0126	1.18	<b>7</b> 0440	1.14	<b>22</b> 0334	1.19	<b>7</b> 0551	1.29	<b>22</b> 0526	1.44	<b>7</b> 0547	1.39	<b>22</b> 0555	1.61
0828	0.65	0714	0.65	1002	0.74	0905	0.69	1135	0.71	1118	0.56	1151	0.70	1215	0.50
SA 1511	1.54	SU 1354	1.50	MO 1640	1.47	TU 1538	1.58	TH 1747	1.43	FR 1730	1.61	SA 1747	1.35	SU 1812	1.43
2209	0.57	2045	0.58	2338	0.54	2237	0.44								
<b>8</b> 0402	1.15	<b>23</b> 0244	1.16	<b>8</b> 0543	1.19	<b>23</b> 0448	1.25	<b>8</b> 0018	0.49	<b>23</b> 0619	1.57	<b>8</b> 0003	0.50	<b>23</b> 0015	0.39
0932	0.67	0823	0.66	1111	0.72	1023	0.64	0634	1.37	1224	0.46	0630	1.48	0648	1.71
SU 1616	1.54	MO 1504	1.54	TU 1742	1.49	WE 1650	1.63	FR 1230	0.64	SA 1830	1.61	SU 1245	0.62	MO 1319	0.42
2315	0.54	2200	0.51			2338	0.36	1835	1.45			1837	1.35	1912	1.40
<b>9</b> 0508	1.17	<b>24</b> 0403	1.20	<b>9</b> 0027	0.51	<b>24</b> 0550	1.36	<b>9</b> 0056	0.46	<b>24</b> 0046	0.29	<b>9</b> 0043	0.48	<b>24</b> 0103	0.41
1036	0.66	0938	0.63	0631	1.26	1133	0.55	0712	1.46	0708	1.69	0710	1.57	0738	1.79
MO 1715	1.57	TU 1614	1.63	WE 1210	0.66	TH 1754	1.70	SA 1316	0.57	SU 1324	0.37	MO 1333	0.54	TU 1416	0.35
		2305	0.40	1832	1.52			1917	1.47	1925	1.59	1923	1.36	2007	1.37
<b>10</b> 0005	0.49	<b>25</b> 0509	1.29	<b>10</b> 0107	0.46	<b>25</b> 0030	0.28	<b>10</b> 0130	0.43	<b>25</b> 0131	0.29	<b>10</b> 0119	0.46	<b>25</b> 0149	0.42
0559	1.23	1046	0.54	0712	1.33	0643	1.49	0747	1.54	0756	1.79	0747	1.66	0826	1.85
TU 1131	0.62	WE 1716	1.74	TH 1259	0.59	FR 1235	0.43	SU 1358	0.50	MO 1420	0.29	TU 1417	0.46	WE 1507	0.30
1803	1.61			1915	1.55	1851	1.75	1957	1.47	2018	1.55	2007	1.36	2059	1.35
<b>11</b> 0045	0.44	<b>26</b> 0000	0.29	<b>11</b> 0143	0.42	<b>26</b> 0118	0.21	<b>11</b> 0201	0.41	<b>26</b> 0215	0.31	<b>11</b> 0155	0.46	<b>26</b> 0234	0.45
0641	1.29	0603	1.40	0748	1.41	0730	1.62	0821	1.62	0843	1.87	0826	1.74	0911	1.87
WE 1219	0.57	TH 1146	0.43	FR 1341	0.53	SA 1332	0.32	MO 1437	0.44	TU 1513	0.24	WE 1459	0.39	TH 1553	0.28
1845	1.64	1812	1.84	1953	1.57	1944	1.78	2034	1.46	2110	1.49	2050	1.36	2146	1.33
<b>12</b> 0121	0.40	<b>27</b> 0048	0.19	<b>12</b> 0215	0.39	<b>27</b> 0203	0.18	<b>12</b> 0232	0.41	<b>27</b> 0258	0.36	<b>12</b> 0232	0.45	<b>27</b> 0317	0.48
0717	1.35	0653	1.52	0821	1.47	0817	1.73	0855	1.68	0928	1.90	0904	1.81	0954	1.87
TH 1300	0.52	FR 1243	0.32	SA 1418	0.47	SU 1427	0.24	TU 1515	0.39	WE 1603	0.23	TH 1541	0.33	FR 1637	0.29
1923	1.66	1903	1.91	2029	1.58	2035	1.75	2113	1.44	2200	1.43	2135	1.36	2231	1.31
<b>13</b> 0153	0.38	<b>28</b> 0133	0.13	<b>13</b> 0244	0.37	<b>28</b> 0245	0.20	<b>13</b> 0304	0.43	<b>28</b> 0340	0.42	<b>13</b> 0312	0.46	<b>28</b> 0400	0.51
0752	1.39	0740	1.62	0853	1.53	0903	1.81	0930	1.74	1013	1.90	0945	1.86	1035	1.84
FR 1336	0.48	SA 1336	0.23	SU 1455	0.43	MO 1520	0.19	WE 1556	0.36	TH 1653	0.25	FR 1625	0.29	SA 1719	0.32
1958	1.67	1954	1.92	2103	1.57	2126	1.68	2153	1.41	2250	1.36	2221	1.35	2315	1.29
<b>14</b> 0223	0.36	<b>29</b> 0217	0.11	<b>14</b> 0313	0.37	<b>29</b> 0329	0.24	<b>14</b> 0339	0.45	<b>29</b> 0422	0.49	<b>14</b> 0355	0.47	<b>29</b> 0441	0.55
0824	1.44	0827	1.71	0926	1.58	0949	1.86	1006	1.77	1056	1.86	1028	1.89	1115	1.78
SA 1413	0.46	SU 1429	0.19	MO 1532	0.41	TU 1613	0.19	TH 1637	0.35	FR 1741	0.30	SA 1711	0.28	SU 1800	0.37
2030	1.66	2044	1.87	2138	1.54	2216	1.58	2235	1.37	2339	1.30	2309	1.34	2356	1.27
<b>15</b> 0252	0.36	<b>30</b> 0301	0.14	<b>15</b> 0343	0.39	<b>30</b> 0411	0.32	<b>15</b> 0415	0.49	<b>30</b> 0505	0.57	<b>15</b> 0441	0.50	<b>30</b> 0521	0.60
0857	1.47	0914	1.76	0958	1.62	1035	1.87	1045	1.78	1139	1.79	1114	1.88	1152	1.71
SU 1448	0.44	MO 1523	0.19	TU 1610	0.40	WE 1705	0.23	FR 1721	0.35	SA 1829	0.37	SU 1800	0.28	MO 1839	0.42
2104	1.63	2134	1.77	2214	1.49	2307	1.47	2320	1.33						
				<b>31</b> 0453	0.42	1120	1.84					<b>31</b> 0038	1.26		
				TH 1759	0.29	2359	1.35					TU 1230	1.63		
												1918	0.47		

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Datum of Predictions is Lowest Astronomical Tide

Caution: Predictions are of secondary quality

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

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