



TEESPORT TIDE TABLES 2021

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Every care has been exercised to ensure accuracy, but PD Ports does not accept responsibility for any inaccuracy on the part of themselves or others.

Times throughout are Greenwich Mean Time. British Summer Time commences 28th March and ends 31st October.

Arrangements for the acceptance of vessels should be made with the VTS Centre on all occasions.

All depths are expressed as nominal dredged depths at Lowest Astronomical Tide (LAT) and are affected by both siltation and tidal conditions. Detailed information on these conditions, or when vessels approach the maximum indicated for a particular dock or berth, should always be obtained from the port operations centre (24 hours).

Heights are given in metres; however, it should be noted that the tidal predictions may be subject to error due to meteorological reasons.

TEESPORT: A BRIEF HISTORY

The River Tees rises on the slopes of Crossfell and works its way 109km to the sea at Middlesbrough.

The Tees has been commercially important since the 13th Century, when a crossing point was needed on the trade route between Durham and York. Its main port was originally Yarm and vessels of up to 65 tonnes would sail the 37km upstream.

The construction of a low level bridge at Stockton in 1770 cut off Yarm and trade moved down river. With the discovery of local iron ore and coal in the 1800's, traffic increased and the extension of the railway to Middlesbrough in 1826 moved activity nearer to the river mouth.

In 1911, Middlesbrough's new Transporter Bridge still allowed tallmasted vessels to proceed to Stockton and 1934 saw the building of the Tees (Newport) Bridge. In 1963, Tees Dock was constructed and opened, followed by an Act of Parliament in 1966 which established Tees and Hartlepool Port Authority as the controlling body for the river. Later in the 1990's, the Port was privatised and today Teesport remains a port authority with complete responsibility for river conservancy.

Tees and Hartlepool Ports

Tees and Hartlepool are deep-water, lock free ports on the North East coast of England. Approximately 5000 vessels (up to 200,000 dwt) berth each year, carrying a diverse range of cargoes from all corners of the globe. Collectively, the ports are a key driver in the North-east economy and a key piece of UK infrastructure.

Tees Valley and the River Tees

The area is strongly associated with petrochemical, manufacturing and engineering industries.

Companies based at Seal Sands, a major petrochemical complex on the North bank of the river, include Wood Group and ConocoPhillips who are responsible for the two major North Sea pipelines which come ashore on Teesside. Thirty more companies are located along a 17km stretch of the river, including ICL, Ineos, SABIC, Interterminals, Navigator Terminals and Greenergy.

Smaller wharves, including AV Dawson, Able and Portrack Seafreight, offer handling and storage facilities, primarily for dry bulks, steel and project cargoes.

Other companies are involved in specialist support services to the oil, gas and renewable energy sectors; several of these are located at Teesport Commerce Park, a major offshore support facility.

Tees Dock

In addition to its role as Statutory Harbour Authority, PD Ports also operates Tees Dock, a major deep sea complex and national asset for trade.

Tees Dock is a tidal inset dock, located on the South bank of the river just 8km from the sea. Handling 28 million tonnes of cargo per year, the port supports international movement of imports and exports including bulk cargo, steel, project cargo, general liner and unitised traffic.

With over 1300m of quay divided into seven berths, continuous quay lengths of 363m and 732m are available, with three general, steel and bulk cargo berths and two for ro-ro traffic. With the exception of one ro-ro berth, (with a dredged depth of 8.8m) the alongside dredged depths of the general cargo berths are between 10.9m - 14.5m (LAT).

Tees Dock is equipped with one 63 tonne and four 100 tonne harbour mobiles. Alongside each berth sits adjacent warehousing and large open storage areas. Most recently, £9.2 million was invested to renovate and refurbish 300,000 sq. ft. of warehousing space, delivering a modernised warehousing facility comprised of seven walled bays.

Significant volumes of steel, dry bulk products and intermodal traffic are handled by rail as well as road, providing an environmentally sustainable and cost-effective solution for domestic exports.

Teesport Container Terminal

There are two container terminals at Teesport, both 8km inland and located within the Teesport Estate. Over the last seven years, the container terminal has seen £120 million invested, bringing improvements in infrastructure and state-of-the-art equipment to increase capacity.

TCT1 is a riverside facility consisting of two berths with a continuous quay of 294m. Tees Dock 9 has an alongside depth of 7.5m (LAT) and Tees Dock 8 has a depth of 8.5m (LAT). Each has a ship-to-shore gantry crane with a maximum lifting capacity of 40 tonnes.

TCT2, located within Tees Dock, consists of two berths with a continuous quay of 360m and an alongside depth of 10.9 (LAT). There are three Liebherr gantry cranes capable of handling Panamax size vessels and lifting up to 45 tonnes. The terminal has rubber tyre gantry cranes, an integrated terminal operating system and extensive box storage areas. The terminal has rubber tyre gantry cranes, an integrated terminal operating system, extensive box storage areas, and an innovative gate automation process.

Hartlepool Dock

Hartlepool, which is located 6km north of the Tees, handles cargoes such as forest products, dry bulks and steel, as well as serving offshore

support activity. It is a large tidal harbour with open access to the sea, has a smaller enclosed basin and is rail connected.

The main tidal basin has a dredged depth of 6.8m (LAT). The three main quays, Victoria Quay, Irvine’s Quay and the Deep Water Berth have continuous lengths of 150m, 380m and 300m respectively.

Access to the enclosed North Basin is restricted by the entrance width of 21.3m and a depth-on-sill of 3.11m (LAT). The lock gates are normally open from one hour before to one hour after high water.

The berths within the dock have two rail mounted quay cranes of 10 tonne capacity and three 63 tonne harbour mobiles. Other equipment includes four ramps for ro-ro vessels and a full range of bulk grabs and cargo-handling equipment.

General

A traffic control system operates on the Tees for the movement of certain types of vessels. Apart from these restrictions and tidal limitations, Teesport and Hartlepool are open to shipping 24 hours a day. Clearances at the Tees River Crossings (in metres at MHWS) are as follows:

Priestman Bridge	2.1
A19 Road Bridge	18.3
Tees (Newport) Bridge	6.4
Transporter Bridge	48.8
Teesport Cable Crossing	93.2
(Effective Safe Height	87.9)

Switzer Marine Ltd +44 (0) 1642 258300 provide a towing service for the Ports of Tees and Hartlepool.

Pilotage (Tees Bay Pilots +44 (0) 1642 485648) for the Ports of Tees and Hartlepool is compulsory for certain categories of ships (details of which are available from the Harbour Master). This service is provided by the Tees and Hartlepool Pilotage Company Ltd.

Tees Licensed Foyboatmen +44 (0) 1642 244298 & Hartlepool Licensed Foyboatmen +44 (0) 1429 273642 provide a 24-hour mooring service.

River Tees Predictions

River Tees predictions are related to Lowest Astronomical Tide (LAT), which is Chart Datum on the Admiralty Metric Charts Nos. 2566 and 2567 and is 2.85m below Ordnance Datum (Newlyn).

Hartlepool Predictions

Hartlepool predictions are related to Lowest Astronomical Tide (LAT), which is Chart Datum on the Admiralty Metric Charts Nos. 2566 and 2567 and is 2.70m below Ordnance Datum (Newlyn).

River Tees Barrage

Mariners are advised that the Barrage has the effect of truncating the salt water wedge in that vicinity, causing a change in the tidal flow of the river.

It is possible that this effect may be felt a number of miles downstream of the Barrage and could in some instances result in actual tidal flows being opposite to those which the predictions would cause Mariners to expect.

The tidal information for the River Tees entrance and Hartlepool is reproduced with the permission of the United Kingdom Hydrographic Office and the Controller of Her Majesty's Stationery Office. Crown copyright reserved.

In the times shown in these tables, 00h is midnight and 12h is noon.

RIVER TEES TIDE TABLES

JANUARY 2021 –
DECEMBER 2021

RIVER TEES ENTRANCE

LAT 54°38'N LONG 1°09'W

January 2021

TIMES AND HEIGHTS OF HIGH AND LOW WATERS

TIME ZONE UT (GMT)

Time	m	Time	m	Time	m	Time	m
1 0452 1059 F 1703 2330	5.1 1.3 5.2 1.0	9 0558 1207 SA 1826	1.4 4.7 1.7	17 0022 0627 SU 1229 1826	0.8 5.0 1.4 5.3	25 0057 0724 M 1331 1950	4.3 1.9 4.5 1.8
2 0533 1137 SA 1742	5.1 1.4 5.2	10 0029 0704 SU 1309 1932	4.9 1.3 4.9 1.5	18 0101 0709 M 1306 1906	1.0 4.8 1.6 5.1	26 0153 0811 TU 1417 2036	4.5 1.7 4.7 1.5
3 0011 0617 SU 1219 1823	1.0 5.0 1.5 5.1	11 0135 0804 M 1406 2032	5.0 1.2 5.0 1.2	19 0140 0752 TU 1343 1950	1.3 4.6 1.9 4.8	27 0240 0854 W 1457 2119	4.7 1.5 4.9 1.3
4 0056 0704 M 1303 1909	1.1 4.9 1.6 5.1	12 0235 0858 TU 1457 2126	5.2 1.1 5.2 1.0	20 0220 0838 W 1427 2040	1.6 4.4 2.1 4.6	28 0321 0933 TH 1535 2159	4.9 1.4 5.1 1.0
5 0145 0757 TU 1353 2002	1.1 4.8 1.8 5.0	13 0328 0946 M 1543 ● 2215	5.3 1.1 5.4 0.8	21 0307 0930 TH 1523 2137	1.8 4.2 2.2 4.4	29 0401 1011 F 1612 2239	5.1 1.2 5.3 0.8
6 0240 0855 W 1452 2102	1.3 4.6 1.9 4.9	14 0417 1031 TH 1626 2300	5.3 1.1 5.4 0.7	22 0406 1029 F 1636 2243	2.0 4.1 2.3 4.2	30 0440 1050 SA 1648 2319	5.2 1.1 5.4 0.7
7 0341 0957 TH 1602 2209	1.4 4.6 2.0 4.8	15 0502 1113 F 1707 2342	5.3 1.2 5.4 0.7	23 0517 1133 SA 1751 2352	2.1 4.2 2.3 4.2	31 0520 1128 SU 1726 2359	5.3 1.1 5.5 0.6
8 0449 1102 F 1714 2319	1.4 4.6 1.9 4.8	16 0546 1152 SA 1747	5.2 1.3 5.4	24 0627 1236 SU 1856	2.1 4.3 2.1		

The time throughout is Greenwich Mean Time, therefore add 1 hour during the operation of British Summer Time. Heights are shown above the lowest astronomical tide (LAT), which is Chart Datum.

RIVER TEES ENTRANCE

LAT 54°38'N LONG 1°09'W

February 2021

TIMES AND HEIGHTS OF HIGH AND LOW WATERS

TIME ZONE UT (GMT)

Time	m	Time	m	Time	m	Time	m
1 0601 1206 M 1806	5.2 1.1 5.5	9 0137 0759 TU 1400 2033	4.7 1.6 4.8 1.3	17 0058 0707 W 1302 1911	1.2 4.7 1.5 4.9	25 0219 0835 TH 1433 2100	4.7 1.6 4.9 1.1
2 0040 0644 TU 1247 1848	0.6 5.1 1.2 5.4	10 0237 0852 W 1452 2124	4.9 1.4 5.1 1.0	18 0129 0745 TH 1337 1954	1.4 4.5 1.8 4.7	26 0302 0916 F 1513 2142	4.9 1.3 5.1 0.8
3 0124 0731 W 1330 1936	0.8 5.0 1.4 5.2	11 0326 0938 TH 1535 ● 2208	5.1 1.2 5.3 0.8	19 0205 0829 F 1420 ● 2044	1.7 4.3 2.0 4.4	27 0341 0955 SA 1550 ○ 2221	5.2 1.1 5.4 0.5
4 0212 0823 TH 1420 ☾ 2032	1.0 4.8 1.6 5.0	12 0409 1018 F 1614 2247	5.2 1.1 5.4 0.7	20 0251 0923 SA 1521 2146	2.0 4.1 2.2 4.1	28 0420 1033 SU 1628 2300	5.4 0.9 5.6 0.3
5 0307 0922 F 1523 2139	1.3 4.5 1.8 4.7	13 0448 1055 SA 1650 2322	5.2 1.1 5.4 0.7	21 0359 1030 SU 1649 2302	2.3 4.0 2.3 4.0		
6 0414 1029 SA 1642 2256	1.6 4.4 1.9 4.5	14 0524 1129 SU 1724 2355	5.2 1.1 5.4 0.8	22 0533 1145 M 1818	2.3 4.0 2.2		
7 0533 1142 SU 1809	1.7 4.4 1.9	15 0559 1200 M 1758	5.1 1.2 5.3	23 0021 0653 TU 1255 1924	4.1 2.1 4.3 1.9		
8 0020 0653 M 1257 1930	4.6 1.7 4.6 1.6	16 0027 0632 TU 1231 1833	0.9 4.9 1.4 5.2	24 0128 0750 W 1349 2015	4.4 1.9 4.5 1.5		

The time throughout is Greenwich Mean Time, therefore add 1 hour during the operation of British Summer Time. Heights are shown above the lowest astronomical tide (LAT), which is Chart Datum.

RIVER TEES ENTRANCE

LAT 54°38'N LONG 1°09'W

March 2021

TIMES AND HEIGHTS OF HIGH AND LOW WATERS

TIME ZONE UT (GMT)

Time	m	Time	m	Time	m	Time	m
1 0459 1111 M 1705 2339	5.5 0.8 5.7 0.3	9 0023 0650 TU 1250 1931	4.3 2.0 4.4 1.5	17 0555 1158 W 1801	5.0 1.2 5.1	25 0057 0721 TH 1314 1947	4.3 1.9 4.5 1.4
2 0539 1148 TU 1745	5.5 0.8 5.7	10 0139 0753 W 1353 2028	4.6 1.7 4.7 1.2	18 0018 0625 TH 1228 1836	1.1 4.9 1.3 4.9	26 0151 0808 F 1402 2033	4.7 1.6 4.8 1.0
3 0019 0620 W 1227 1827	0.4 5.3 0.9 5.6	11 0232 0842 TH 1440 2113	4.8 1.5 5.0 0.9	19 0048 0701 F 1302 1916	1.4 4.7 1.5 4.7	27 0234 0850 SA 1443 2115	5.0 1.2 5.2 0.6
4 0100 0705 TH 1308 1915	0.6 5.1 1.1 5.3	12 0314 0922 F 1520 2152	5.0 1.3 5.2 0.7	20 0122 0742 SA 1341 2003	1.7 4.4 1.8 4.4	28 0315 0930 SU 1523 ○ 2156	5.3 0.9 5.5 0.3
5 0145 0754 F 1355 2011	1.0 4.8 1.4 4.9	13 0351 0958 SA 1555 ● 2225	5.1 1.1 5.3 0.7	21 0204 0833 SU 1434 ☽ 2102	2.0 4.2 2.1 4.1	29 0354 1010 M 1602 2236	5.5 0.7 5.7 0.1
6 0238 0851 SA 1457 ☾ 2120	1.4 4.5 1.7 4.6	14 0425 1031 SU 1627 2255	5.2 1.1 5.4 0.7	22 0303 0938 M 1554 2218	2.3 4.0 2.2 4.0	30 0434 1048 TU 1642 2316	5.6 0.6 5.8 0.1
7 0347 1001 SU 1623 2246	1.8 4.3 1.9 4.3	15 0456 1101 M 1657 2324	5.2 1.0 5.4 0.8	23 0440 1056 TU 1736 2344	2.4 3.9 2.1 4.0	31 0514 1127 W 1725 2356	5.6 0.6 5.8 0.3
8 0518 1124 M 1810	2.0 4.2 1.9	16 0526 1129 TU 1728 2351	5.1 1.1 5.3 0.9	24 0619 1213 W 1852	2.2 4.1 1.8		

The time throughout is Greenwich Mean Time, therefore add 1 hour during the operation of British Summer Time. Heights are shown above the lowest astronomical tide (LAT), which is Chart Datum.

RIVER TEES ENTRANCE

LAT 54°38'N LONG 1°09'W

April 2021

TIMES AND HEIGHTS OF HIGH AND LOW WATERS

TIME ZONE UT (GMT)

Time	m	Time	m	Time	m	Time	m
1 0556 TH 1207 1810	5.4 0.7 5.6	9 0213 0819 F 1418 2050	4.8 1.6 4.9 0.9	17 0015 0626 SA 1236 1847	1.4 4.7 1.4 4.6	25 0201 0817 SU 1409 2044	5.0 1.2 5.3 0.5
2 0037 0639 F 1250 1900	0.6 5.2 0.9 5.3	10 0252 0857 SA 1456 2124	4.9 1.3 5.1 0.8	18 0051 0706 SU 1316 1935	1.6 4.5 1.7 4.4	26 0244 0901 M 1453 2128	5.3 0.9 5.6 0.3
3 0122 0728 SA 1340 1959	1.1 4.8 1.2 4.8	11 0326 0931 SU 1529 2155	5.1 1.2 5.2 0.8	19 0133 0756 M 1407 2033	1.9 4.3 1.9 4.2	27 0326 0943 TU 1536 2210	5.5 0.6 5.8 0.2
4 0216 0826 SU 1445 2112	1.6 4.5 1.6 4.4	12 0357 1002 M 1600 2223	5.1 1.1 5.3 0.8	20 0229 0858 TU 1521 2144	2.2 4.1 2.0 4.0	28 0407 1025 W 1621 2253	5.6 0.5 5.8 0.2
5 0329 0938 M 1618 2242	2.0 4.2 1.8 4.2	13 0425 1031 TU 1630 2250	5.1 1.0 5.2 0.9	21 0358 1013 W 1654 2305	2.4 4.0 2.0 4.1	29 0450 1108 TH 1708 2335	5.6 0.5 5.7 0.4
6 0507 1107 TU 1804	2.2 4.2 1.7	14 0452 1100 W 1700 2317	5.1 1.0 5.2 1.0	22 0534 1128 TH 1811	2.3 4.2 1.6	30 0534 1152 F 1758	5.4 0.6 5.5
7 0018 0634 W 1233 1916	4.3 2.1 4.4 1.4	15 0520 1130 TH 1732 2344	5.0 1.1 5.0 1.1	23 0017 0640 F 1232 1909	4.4 1.9 4.5 1.2		
8 0125 0734 TH 1332 2008	4.5 1.8 4.7 1.1	16 0551 1201 F 1808	4.9 1.2 4.9	24 0114 0732 SA 1324 1958	4.7 1.6 4.9 0.8		

The time throughout is Greenwich Mean Time, therefore add 1 hour during the operation of British Summer Time. Heights are shown above the lowest astronomical tide (LAT), which is Chart Datum.

RIVER TEES ENTRANCE

LAT 54°38'N LONG 1°09'W

May 2021

TIMES AND HEIGHTS OF HIGH AND LOW WATERS

TIME ZONE UT (GMT)

Time	m	Time	m	Time	m	Time	m
1 0019 0.8 SA 1240 0.8 1852 5.1		9 0221 4.8 0824 1.5 SU 1424 4.9 2050 1.0		17 0029 1.6 0642 4.6 M 1301 1.5 1916 4.5		25 0214 5.3 0831 0.9 TU 1427 5.5 2100 0.4	
2 0106 1.2 0709 4.9 SU 1334 1.1 1953 4.7		10 0255 4.9 0859 1.3 M 1459 5.0 2121 1.0		18 0113 1.9 0730 4.4 TU 1353 1.7 2013 4.3		26 0259 5.4 0919 0.7 W 1517 5.6 O 2148 0.4	
3 0202 1.7 0807 4.6 M 1442 1.4 O 2105 4.4		11 0326 5.0 0932 1.1 TU 1532 5.1 ● 2151 1.0		19 0207 2.1 0828 4.3 W 1459 1.8 O 2118 4.2		27 0345 5.5 1007 0.6 TH 1607 5.7 2234 0.5	
4 0314 2.1 0918 4.4 TU 1606 1.6 2227 4.2		12 0355 5.0 1004 1.1 W 1604 5.1 2219 1.1		20 0323 2.2 0936 4.3 TH 1615 1.7 2228 4.3		28 0430 5.5 1055 0.5 F 1658 5.6 2320 0.7	
5 0440 2.2 1040 4.3 W 1736 1.6 2351 4.3		13 0422 5.1 1035 1.1 TH 1636 5.0 2247 1.1		21 0447 2.1 1045 4.4 F 1726 1.5 2335 4.5		29 0516 5.4 1143 0.6 SA 1751 5.4	
6 0600 2.1 1158 4.4 TH 1844 1.4		14 0451 5.0 1107 1.1 F 1710 4.9 2318 1.2		22 0554 1.9 1149 4.7 SA 1827 1.2		30 0006 1.0 0603 5.2 SU 1234 0.8 1846 5.1	
7 0054 4.5 0659 1.9 F 1258 4.6 1934 1.2		15 0524 4.9 1141 1.2 SA 1747 4.8 2351 1.4		23 0034 4.7 0651 1.6 SU 1246 5.0 1921 0.9		31 0056 1.3 0654 5.0 M 1329 1.0 1944 4.8	
8 0142 4.7 0745 1.7 SA 1345 4.8 2015 1.1		16 0601 4.8 1218 1.4 SU 1829 4.6		24 0126 5.0 0742 1.2 M 1337 5.3 2012 0.6			

The time throughout is Greenwich Mean Time, therefore add 1 hour during the operation of British Summer Time. Heights are shown above the lowest astronomical tide (LAT), which is Chart Datum.

RIVER TEES ENTRANCE

LAT 54°38'N LONG 1°09'W

June 2021

TIMES AND HEIGHTS OF HIGH AND LOW WATERS

TIME ZONE UT (GMT)

Time	m	Time	m	Time	m	Time	m
1 0149 TU 0749 1430 2047	1.7 4.8 1.2 4.5	9 0256 0905 W 1508 2122	4.9 1.3 4.9 1.3	17 0150 0802 TH 1437 2051	1.9 4.6 1.4 4.5	25 0329 0957 F 1600 2222	5.4 0.7 5.5 0.8
2 0251 0852 W 1537 ☾ 2154	2.0 4.6 1.4 4.3	10 0328 0940 TH 1544 ● 2154	5.0 1.2 4.9 1.3	18 0252 0901 F 1540 ☽ 2154	2.0 4.6 1.4 4.5	26 0417 1048 SA 1652 2310	5.4 0.6 5.4 0.9
3 0400 1001 TH 1648 2304	2.2 4.4 1.5 4.3	11 0359 1015 F 1619 2226	5.0 1.2 4.9 1.3	19 0402 1006 SA 1645 2257	2.0 4.6 1.3 4.5	27 0504 1137 SU 1744 2356	5.4 0.6 5.3 1.1
4 0510 1110 F 1755	2.2 4.4 1.5	12 0431 1051 SA 1655 2300	5.0 1.1 4.9 1.3	20 0510 1111 SU 1748 2358	1.9 4.8 1.2 4.7	28 0550 1226 M 1834	5.3 0.7 5.1
5 0007 0612 SA 1213 1849	4.4 2.0 4.5 1.5	13 0506 1128 SU 1734 2336	5.0 1.2 4.8 1.4	21 0613 1213 M 1848	1.6 5.0 1.0	29 0042 0636 TU 1315 1925	1.3 5.2 0.9 4.9
6 0100 0704 SU 1305 1934	4.5 1.8 4.6 1.4	14 0543 1208 M 1816	4.9 1.2 4.8	22 0055 0712 TU 1313 1946	4.9 1.4 5.2 0.9	30 0128 0725 W 1405 2016	1.6 5.0 1.1 4.7
7 0143 0748 M 1350 2013	4.6 1.6 4.7 1.4	15 0016 0624 TU 1252 1902	1.6 4.8 1.3 4.7	23 0149 0809 W 1410 2040	5.1 1.1 5.3 0.8		
8 0221 0828 TU 1430 2049	4.8 1.5 4.8 1.3	16 0100 0709 W 1341 1954	1.7 4.7 1.4 4.5	24 0240 0904 TH 1506 ○ 2132	5.3 0.9 5.4 0.8		

The time throughout is Greenwich Mean Time, therefore add 1 hour during the operation of British Summer Time. Heights are shown above the lowest astronomical tide (LAT), which is Chart Datum.

RIVER TEES ENTRANCE

LAT 54°38'N LONG 1°09'W

July 2021

TIMES AND HEIGHTS OF HIGH AND LOW WATERS

TIME ZONE UT (GMT)

Time	m	Time	m	Time	m	Time	m
1 0217 TH 0817 1457 2111	1.8 4.8 1.4 4.4	9 0306 0922 F 1528 2136	4.9 1.3 4.9 1.0	17 0220 0828 SA 1507 2120	1.7 4.9 1.3 4.6	25 0407 1042 SU 1644 2258	5.4 0.6 5.4 1.0
2 0311 0914 F 1554 2208	2.0 4.6 1.6 4.3	10 0341 1001 SA 1606 2212	5.0 1.2 4.9 1.4	18 0321 0931 SU 1609 2222	1.8 4.8 1.4 4.5	26 0451 1127 M 1730 2340	5.5 0.6 5.3 1.1
3 0412 1016 SA 1654 2308	2.1 4.5 1.8 4.2	11 0415 1039 SU 1643 2249	5.1 1.1 5.0 1.3	19 0431 1040 M 1715 2327	1.9 4.8 1.4 4.6	27 0532 1209 TU 1813	5.5 0.6 5.2
4 0517 1119 SU 1756	2.2 4.4 1.8	12 0451 1117 M 1721 2326	5.1 1.0 5.0 1.4	20 0543 1151 TU 1824	1.8 4.8 1.4	28 0019 0612 W 1250 1855	1.2 5.4 0.8 5.0
5 0007 0618 M 1221 1850	4.3 2.1 4.4 1.8	13 0527 1157 TU 1802	5.1 1.0 5.0	21 0032 0653 W 1301 1930	4.7 1.6 4.9 1.3	29 0058 0654 TH 1329 1937	1.4 5.2 1.1 4.8
6 0101 0712 TU 1316 1938	4.4 1.9 4.5 1.7	14 0005 0605 W 1239 1844	1.4 5.1 1.0 4.9	22 0134 0800 TH 1406 2031	4.9 1.3 5.1 1.2	30 0136 0737 F 1410 2021	1.6 5.0 1.4 4.6
7 0148 0759 W 1404 2021	4.6 1.7 4.6 1.6	15 0046 0647 TH 1323 1931	1.5 5.1 1.1 4.8	23 0230 0859 F 1504 2124	5.1 1.0 5.3 1.1	31 0217 0825 SA 1454 2110	1.9 4.7 1.7 4.3
8 0229 0859 TH 1448 2100	4.8 1.5 4.8 1.5	16 0130 0734 F 1412 2023	1.6 5.0 1.2 4.7	24 0320 0953 SA 1556 2213	5.3 0.8 5.4 1.0		

The time throughout is Greenwich Mean Time, therefore add 1 hour during the operation of British Summer Time. Heights are shown above the lowest astronomical tide (LAT), which is Chart Datum.

RIVER TEES ENTRANCE

LAT 54°38'N LONG 1°09'W

August 2021

TIMES AND HEIGHTS OF HIGH AND LOW WATERS

TIME ZONE UT (GMT)

Time	m	Time	m	Time	m	Time	m
1 0308 SU 0921 1548 2206	2.1 4.5 2.0 4.2	9 0358 M 1024 1626 2235	5.2 0.9 5.2 1.2	17 0401 TU 1019 1652 2302	1.9 4.6 1.8 4.4	25 0508 W 1142 1744 2349	5.6 0.7 5.3 1.1
2 0414 M 1026 1654 2309	2.2 4.3 2.1 4.1	10 0433 TU 1101 1703 2312	5.3 0.8 5.2 1.2	18 0528 W 1143 1814	1.9 4.6 1.8	26 0543 TH 1215 1819	5.5 0.9 5.1
3 0529 TU 1136 1806	2.2 4.2 2.1	11 0507 W 1139 1741 2348	5.4 0.7 5.3 1.2	19 0019 TH 0653 1305 1928	4.5 1.7 4.7 1.7	27 0021 F 0619 1248 1854	1.3 5.3 1.1 4.9
4 0016 W 0638 1245 1907	4.2 2.1 4.3 2.0	12 0544 TH 1218 1822	5.4 0.7 5.2	20 0129 F 0802 1410 2027	4.8 1.3 5.0 1.4	28 0053 SA 0657 1319 1931	1.5 5.1 1.4 4.7
5 0116 TH 0735 1342 1958	4.4 1.9 4.5 1.8	13 0025 F 0623 1300 1905	1.2 5.4 0.8 5.1	21 0225 SA 0858 1502 2116	5.1 1.0 5.2 1.3	29 0128 SU 0740 1354 2013	1.7 4.8 1.8 4.4
6 0205 F 0823 1430 2042	4.6 1.6 4.7 1.7	14 0106 SA 0707 1344 1952	1.3 5.3 1.0 4.9	22 0313 SU 0946 1548 2200	5.3 0.7 5.3 1.1	30 0209 M 0830 1439 2105	2.0 4.5 2.1 4.2
7 0246 SA 0905 1511 2121	4.9 1.3 4.9 1.5	15 0151 SU 0759 1435 2047	1.5 5.1 1.3 4.7	23 0354 M 1029 1629 2239	5.5 0.6 5.4 1.1	31 0308 TU 0933 1545 2211	2.2 4.2 2.3 4.1
8 0323 SU 0945 1549 2159	5.0 1.1 5.0 1.3	16 0247 M 0903 1537 2150	1.7 4.8 1.6 4.5	24 0432 TU 1107 1708 2316	5.6 0.6 5.4 1.1		

The time throughout is Greenwich Mean Time, therefore add 1 hour during the operation of British Summer Time. Heights are shown above the lowest astronomical tide (LAT), which is Chart Datum.

RIVER TEES ENTRANCE

September 2021

LAT 54°38'N LONG 1°09'W

TIMES AND HEIGHTS OF HIGH AND LOW WATERS

TIME ZONE UT (GMT)

Time	m	Time	m	Time	m	Time	m
1 0439 W 1720 2329	2.4 4.1 2.4 4.1	9 0442 TH 1716 2326	5.7 0.4 5.5 0.9	17 0013 F 1311 1924	4.5 1.6 4.7 1.8	25 0545 SA 1811	5.3 1.2 5.0
2 0607 TH 1841	2.2 4.2 2.3	10 0519 F 1755	5.7 0.5 5.4	18 0124 SA 1407 2017	4.8 1.2 5.0 1.6	26 0016 SU 1234 1845	1.4 5.0 1.5 4.8
3 0042 F 1320 1936	4.3 1.9 4.4 2.0	11 0002 SA 1234 1836	1.0 5.6 0.7 5.3	19 0215 SU 1452 2101	5.1 0.9 5.2 1.3	27 0049 M 1307 1926	1.6 4.8 1.8 4.6
4 0138 SA 1409 2021	4.6 1.6 4.7 1.7	12 0042 SU 1317 1923	1.1 5.4 1.0 5.0	20 0257 M 1531 O 2139	5.3 0.7 5.3 1.2	28 0128 TU 1348 2015	1.9 4.4 2.1 4.3
5 0221 SU 1449 2100	4.9 1.2 5.0 1.5	13 0127 M 1407 D 2017	1.4 5.1 1.4 4.7	21 0334 TU 1606 2214	5.5 0.6 5.4 1.1	29 0220 W 1446 C 2119	2.2 4.2 2.4 4.1
6 0258 M 1526 2138	5.1 0.9 5.2 1.2	14 0224 TU 1512 2124	1.7 4.7 1.9 4.4	22 0408 W 1639 2246	5.5 0.7 5.4 1.1	30 0346 TH 1629 2239	2.4 4.0 2.6 4.0
7 0333 TU 1602 ● 2214	5.4 0.7 5.4 1.1	15 0346 W 1639 2245	1.9 4.4 2.1 4.3	23 0440 TH 1710 2316	5.5 0.8 5.3 1.1		
8 0407 W 1638 2250	5.6 0.5 5.5 0.9	16 0531 TH 1814	1.9 4.4 2.1	24 0512 F 1740 2346	5.4 1.0 5.2 1.2		

The time throughout is Greenwich Mean Time, therefore add 1 hour during the operation of British Summer Time. Heights are shown above the lowest astronomical tide (LAT), which is Chart Datum.

RIVER TEES ENTRANCE

LAT 54°38'N LONG 1°09'W

October 2021

TIMES AND HEIGHTS OF HIGH AND LOW WATERS

TIME ZONE UT (GMT)

Time	m	Time	m	Time	m	Time	m
1 0531 1139 F 1807	2.3 4.1 2.4	9 0456 1128 SA 1728 2341	5.8 0.5 5.6 0.8	17 0104 0742 SU 1350 1956	4.8 1.2 5.0 1.7	25 0553 1158 M 1810	5.0 1.5 4.9
2 0000 0641 F 1250 1906	4.2 1.9 4.4 2.1	10 0541 1209 SU 1811	5.7 0.7 5.4	18 0153 0826 M 1431 2036	5.1 0.9 5.2 1.4	26 0022 0632 TU 1233 1850	1.5 4.7 1.8 4.7
3 0101 0732 SU 1339 1951	4.5 1.5 4.7 1.8	11 0023 0630 M 1254 1858	1.0 5.4 1.2 5.1	19 0234 0903 TU 1506 2112	5.3 0.8 5.3 1.3	27 0101 0719 W 1314 1939	1.8 4.5 2.1 4.4
4 0146 0815 M 1419 2031	4.9 1.1 5.1 1.4	12 0112 0728 TU 1345 1954	1.3 5.0 1.6 4.7	20 0309 0936 W 1539 ○ 2145	5.4 0.8 5.3 1.1	28 0151 0817 TH 1408 ☾ 2038	2.0 4.2 2.4 4.2
5 0225 0854 TU 1456 2109	5.2 0.8 5.3 1.2	13 0214 0840 W 1455 ☽ 2104	1.6 4.6 2.1 4.4	21 0341 1006 TH 1609 2216	5.4 0.9 5.3 1.1	29 0303 0928 F 1536 2150	2.2 4.1 2.6 4.1
6 0302 0933 W 1532 ● 2147	5.5 0.5 5.5 0.9	14 0344 1010 TH 1630 2230	1.9 4.4 2.3 4.3	22 0412 1034 F 1637 2246	5.4 1.0 5.3 1.1	30 0440 1051 SA 1716 2307	2.1 4.1 2.5 4.3
7 0338 1011 TH 1609 2224	5.7 0.4 5.6 0.8	15 0530 1148 F 1803 2359	1.8 4.4 2.2 4.5	23 0444 1101 SA 1705 2317	5.3 1.1 5.2 1.2	31 0556 1203 SU 1822	1.9 4.4 2.2
8 0416 1049 F 1648 2302	5.8 0.3 5.7 0.7	16 0647 1259 SA 1907	1.5 4.7 1.9	24 0517 1128 SU 1735 2348	5.2 1.3 5.1 1.3		

The time throughout is Greenwich Mean Time, therefore add 1 hour during the operation of British Summer Time. Heights are shown above the lowest astronomical tide (LAT), which is Chart Datum.

RIVER TEES ENTRANCE

LAT 54°38'N LONG 1°09'W

November 2021

TIMES AND HEIGHTS OF HIGH AND LOW WATERS

TIME ZONE UT (GMT)

Time	m	Time	m	Time	m	Time	m
1 0011 M 0651 1257 1911	4.5 1.5 4.7 1.8	9 0013 TU 0623 1239 1841	0.9 5.3 1.3 5.1	17 0204 W 0832 1438 2043	5.1 1.1 5.1 1.4	25 0045 TH 0659 1252 1911	1.6 4.5 2.0 4.6
2 0103 TU 0737 1341 1955	4.9 1.1 5.1 1.5	10 0107 W 0724 1333 1938	1.2 4.9 1.8 4.8	18 0242 TH 0905 1510 2117	5.1 1.1 5.2 1.3	26 0133 F 0752 1343 2005	1.8 4.4 2.3 4.4
3 0147 W 0820 1422 2037	5.2 0.8 5.3 1.2	11 0212 TH 0834 1443 2045	1.5 4.6 2.1 4.6	19 0316 F 0935 1540 2150	5.2 1.2 5.2 1.2	27 0233 SA 0854 1450 2107	1.9 4.3 2.4 4.4
4 0229 TH 0902 1501 ● 2118	5.5 0.5 5.6 0.9	12 0334 F 0957 1607 2205	1.6 4.4 2.3 4.5	20 0349 SA 1004 1608 2222	5.2 1.2 5.2 1.2	28 0346 SU 1002 1615 2214	1.9 4.3 2.4 4.4
5 0311 F 0943 1542 2200	5.7 0.4 5.7 0.7	13 0504 SA 1122 1729 2325	1.6 4.4 2.3 4.6	21 0423 SU 1032 1637 2255	5.1 1.3 5.2 1.2	29 0458 M 1109 1726 2319	1.7 4.4 2.2 4.6
6 0355 SA 1025 1623 2242	5.8 0.4 5.7 0.7	14 0616 SU 1229 1834	1.5 4.6 2.1	22 0457 M 1101 1709 2328	5.0 1.4 5.1 1.3	30 0601 TU 1209 1825	1.5 4.7 1.9
7 0440 SU 1107 1706 2326	5.8 0.6 5.6 0.7	15 0031 M 0711 1320 1924	4.7 1.3 4.8 1.8	23 0533 TU 1134 1745	4.9 1.6 5.0		
8 0530 M 1151 1752	5.6 0.9 5.4	16 0122 TU 0755 1402 2006	4.9 1.2 5.0 1.6	24 0004 W 0613 1210 1825	1.5 4.7 1.8 4.8		

The time throughout is Greenwich Mean Time, therefore add 1 hour during the operation of British Summer Time. Heights are shown above the lowest astronomical tide (LAT), which is Chart Datum.

RIVER TEES ENTRANCE

LAT 54°38'N LONG 1°09'W

December 2021

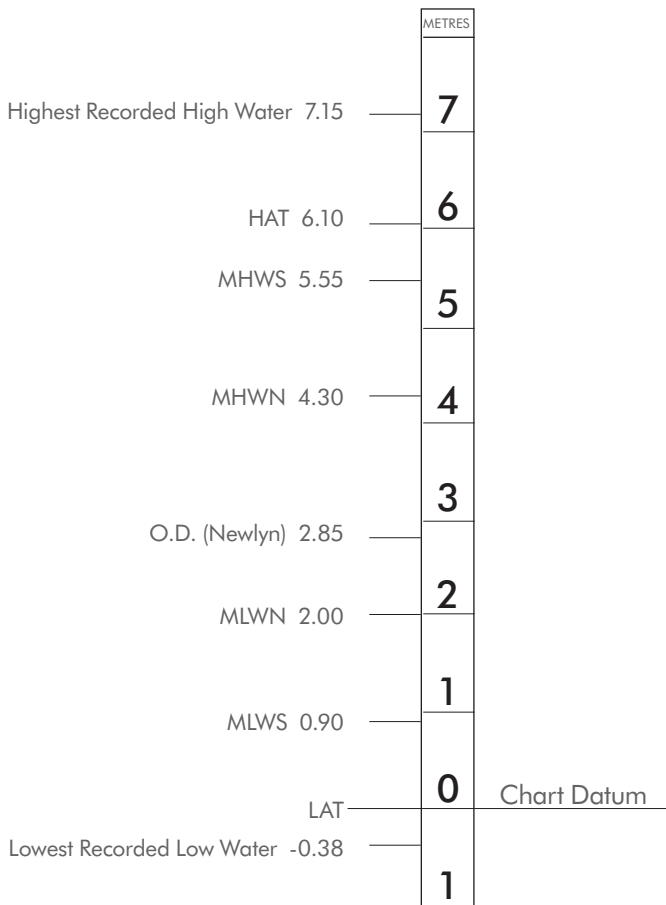
TIMES AND HEIGHTS OF HIGH AND LOW WATERS

TIME ZONE UT (GMT)

Time	m	Time	m	Time	m	Time	m
1 0017 0655 W 1301 1917	4.9 1.2 5.0 1.6	9 0104 0718 TH 1323 1922	0.9 5.0 1.7 5.1	17 0216 0836 F 1443 2054	4.8 1.5 5.0 1.5	25 0116 0728 SA 1321 1934	1.4 4.6 2.0 4.7
2 0111 0745 TH 1348 2006	5.2 0.9 5.2 1.3	10 0203 0819 F 1422 2021	1.2 4.7 2.0 4.8	18 0256 0910 SA 1516 2130	4.9 1.4 5.0 1.3	26 0205 0821 SU 1413 2026	1.5 4.5 2.1 4.7
3 0201 0833 F 1434 2054	5.4 0.7 5.4 1.0	11 0307 0925 SA 1528 2127	1.4 4.5 2.2 4.7	19 0333 0942 SU 1548 2206	4.9 1.4 5.1 1.3	27 0302 0920 M 1517 2127	1.6 4.4 2.2 4.6
4 0251 0920 SA 1519 ● 2142	5.6 0.6 5.6 0.8	12 0417 1035 SU 1639 2236	1.5 4.4 2.3 4.6	20 0409 1013 M 1619 2241	4.9 1.4 5.1 1.2	28 0405 1021 TU 1628 2231	1.6 4.5 2.1 4.7
5 0341 1007 SU 1605 2230	5.7 0.7 5.6 0.7	13 0527 1142 M 1746 2343	1.6 4.4 2.2 4.6	21 0444 1045 TU 1652 2316	4.9 1.5 5.1 1.2	29 0511 1124 W 1737 2337	1.5 4.6 2.0 4.8
6 0432 1053 M 1651 2319	5.6 0.8 5.6 0.7	14 0628 1238 TU 1844	1.6 4.6 2.0	22 0520 1119 W 1728 2353	4.9 1.6 5.1 1.3	30 0616 1223 TH 1841	1.4 4.8 1.7
7 0525 1141 TU 1739	5.5 1.0 5.5	15 0042 0717 W 1326 1933	4.7 1.6 4.7 1.8	23 0559 1156 TH 1806	4.8 1.7 5.0	31 0041 0716 F 1320 1941	5.0 1.2 5.0 1.4
8 0010 0620 W 1230 1828	0.8 5.3 1.4 5.3	16 0132 0759 TH 1407 2015	4.7 1.5 4.8 1.6	24 0032 0641 F 1237 1847	1.4 4.7 1.8 4.9		

The time throughout is Greenwich Mean Time, therefore add 1 hour during the operation of British Summer Time. Heights are shown above the lowest astronomical tide (LAT), which is Chart Datum.

TIDAL DATA RIVER TEES



HARTLEPOOL TIDE TABLES

JANUARY 2021 –
DECEMBER 2021

ENGLAND - HARTLEPOOL

January 2021

LAT 54°42'N LONG 1°12'W

TIMES AND HEIGHTS OF HIGH AND LOW WATERS

TIME ZONE UT (GMT)

Time	m	Time	m	Time	m	Time	m
1 0448 F 1659 2324	5.0 1.2 5.1 0.9	9 0552 1203 SA 1820	1.3 4.6 1.5	17 0016 0623 SU 1223 1822	0.7 4.9 1.3 5.2	25 0053 0718 M 1327 1944	4.2 1.7 4.4 1.6
2 0529 1131 SA 1738	5.0 1.3 5.1	10 0025 0658 S 1305 1926	4.8 1.2 4.8 1.4	18 0055 0705 M 1300 1902	0.9 4.7 1.5 5.0	26 0149 0805 TU 1413 2030	4.4 1.5 4.6 1.4
3 0005 0613 SU 1213 1819	0.9 4.9 1.4 5.0	11 0131 0758 M 1402 2026	4.9 1.1 4.9 1.1	19 0134 0748 TU 1337 1946	1.2 4.5 1.7 4.7	27 0236 0848 W 1453 2113	4.6 1.4 4.8 1.2
4 0050 0700 M 1257 1905	1.0 4.8 1.5 5.0	12 0231 0852 TU 1453 2120	5.1 1.0 5.1 0.9	20 0214 0834 W 1421 2036	1.5 4.3 1.9 4.5	28 0317 0927 TH 1531 2153	4.8 1.3 5.0 0.9
5 0139 0753 TU 1347 1958	1.0 4.7 1.6 4.9	13 0324 0940 W 1539 ● 2209	5.2 1.0 5.3 0.7	21 0301 0926 TH 1517 2133	1.6 4.1 2.0 4.3	29 0357 1005 F 1608 2233	5.0 1.1 5.2 0.7
6 0234 0851 W 1446 2058	1.2 4.5 1.7 4.8	14 0413 1025 TH 1622 2254	5.2 1.0 5.3 0.6	22 0400 1025 F 1630 2239	1.8 4.0 2.1 4.1	30 0436 1044 SA 1644 2313	5.1 1.0 5.3 0.6
7 0335 0953 TH 1556 2205	1.3 4.5 1.8 4.7	15 0458 1107 F 1703 2336	5.2 1.1 5.3 0.6	23 0511 1129 SA 1745 2348	1.9 4.1 2.1 4.1	31 0516 1122 SU 1722 2353	5.2 1.0 5.4 0.5
8 0443 1058 F 1708 2315	1.3 4.5 1.7 4.7	16 0542 1146 SA 1743	5.1 1.2 5.3	24 0621 1232 SU 1850	1.9 4.2 1.9		

The time throughout is Greenwich Mean Time, therefore add 1 hour during the operation of British Summer Time. Heights are shown above the lowest astronomical tide (LAT), which is Chart Datum.

ENGLAND - HARTLEPOOL

LAT 54°42'N LONG 1°12'W

February 2021

TIMES AND HEIGHTS OF HIGH AND LOW WATERS

TIME ZONE UT (GMT)

Time	m	Time	m	Time	m	Time	m
1 0557 1200 M 1802	5.1 1.0 5.4	9 0133 0753 TU 1356 2027	4.6 1.4 4.7 1.2	17 0052 0703 W 1256 1907	1.1 4.6 1.4 4.8	25 0215 0829 TH 1429 2054	4.6 1.4 4.8 1.0
2 0034 0640 TU 1241 1844	0.5 5.0 1.1 5.3	10 0233 0846 W 1448 2118	4.8 1.3 5.0 0.9	18 0123 0741 TH 1331 1950	1.3 4.4 1.6 4.6	26 0258 0910 F 1509 2136	4.8 1.2 5.0 0.7
3 0118 0727 W 1324 1932	0.7 4.9 1.3 5.1	11 0322 0932 TU 1531 ● 2202	5.0 1.1 5.2 0.7	19 0159 0825 F 1414 ☾ 2040	1.5 4.2 1.8 4.3	27 0337 0949 SA 1546 ○ 2215	5.1 1.0 5.3 0.4
4 0206 0819 TH 1414 ☾ 2028	0.9 4.7 1.4 4.9	12 0405 1012 F 1610 2241	5.1 1.0 5.3 0.6	20 0245 0919 SA 1515 2142	1.8 4.0 2.0 4.0	28 0416 1027 SU 1624 2254	5.3 0.8 5.5 0.3
5 0301 0918 F 1517 2135	1.2 4.4 1.6 4.6	13 0444 1049 SA 1646 2316	5.1 1.0 5.3 0.6	21 0353 1026 SU 1643 2258	2.1 3.9 2.1 3.9		
6 0408 1025 SA 1636 2252	1.4 4.3 1.7 4.4	14 0520 1123 SU 1720 2349	5.1 1.0 5.3 0.7	22 0527 1141 M 1812	2.1 3.9 2.0		
7 0527 1138 SU 1803	1.5 4.3 1.7	15 0555 1154 M 1754	5.0 1.1 5.2	23 0017 0647 TU 1251 1918	4.0 1.9 4.2 1.7		
8 0016 0647 M 1253 1924	4.5 1.5 4.5 1.4	16 0021 0628 TU 1225 1829	0.8 4.8 1.3 5.1	24 0124 0744 W 1345 2009	4.3 1.7 4.4 1.4		

The time throughout is Greenwich Mean Time, therefore add 1 hour during the operation of British Summer Time. Heights are shown above the lowest astronomical tide (LAT), which is Chart Datum.

ENGLAND - HARTLEPOOL

LAT 54°42'N LONG 1°12'W

March 2021

TIMES AND HEIGHTS OF HIGH AND LOW WATERS

TIME ZONE UT (GMT)

Time	m	Time	m	Time	m	Time	m
1 0455 1105 M 1701 2333	5.4 0.7 5.6 0.3	9 0019 0644 TU 1246 1925	4.2 1.8 4.3 1.4	17 0522 1152 W 1757	4.9 1.1 5.0	25 0053 0715 TH 1310 1941	4.2 1.7 4.4 1.3
2 0535 1142 TU 1741	5.4 0.7 5.6	10 0135 0747 W 1349 2022	4.5 1.5 4.6 1.1	18 0012 0621 TH 1222 1832	1.0 4.8 1.2 4.8	26 0147 0802 F 1358 2027	4.6 1.4 4.7 0.9
3 0013 0616 W 1221 1823	0.4 5.2 0.8 5.5	11 0228 0836 TH 1436 2107	4.7 1.4 4.9 0.8	19 0042 0657 F 1256 1912	1.3 4.6 1.4 4.6	27 0230 0844 SA 1439 2109	4.9 1.1 5.1 0.5
4 0054 0701 TH 1302 1911	0.5 5.0 1.0 5.2	12 0310 0916 F 1516 2146	4.9 1.2 5.1 0.6	20 0116 0738 SA 1335 1959	1.5 4.3 1.6 4.3	28 0311 0924 SA 1519 2150	5.2 0.8 5.4 0.3
5 0139 0750 F 1349 2007	0.9 4.7 1.3 4.8	13 0347 0952 SA 1551 ● 2219	5.0 1.0 5.2 0.6	21 0158 0829 SU 1428 ☽ 2058	1.8 4.1 1.9 4.0	29 0350 1004 M 1558 2230	5.4 0.6 5.6 0.1
6 0232 0847 SA 1451 ☾ 2116	1.3 4.4 1.5 4.5	14 0421 1025 SU 1623 2249	5.1 1.0 5.3 0.6	22 0257 0934 M 1548 2214	2.1 3.9 2.0 3.9	30 0430 1042 TU 1638 2310	5.5 0.5 5.7 0.1
7 0341 0957 SU 1617 2242	1.6 4.2 1.7 4.2	15 0452 1055 M 1653 2318	5.1 0.9 5.3 0.7	23 0434 1052 TU 1730 2340	2.2 3.8 1.9 3.9	31 0510 1121 W 1721 2350	5.5 0.5 5.7 0.3
8 0512 1120 M 1804	1.8 4.1 1.7	16 0522 1123 TU 1724 2345	5.0 1.0 5.2 0.8	24 0613 1209 W 1846	2.0 4.0 1.6		

The time throughout is Greenwich Mean Time, therefore add 1 hour during the operation of British Summer Time. Heights are shown above the lowest astronomical tide (LAT), which is Chart Datum.

ENGLAND - HARTLEPOOL

LAT 54°42'N LONG 1°12'W

April 2021

TIMES AND HEIGHTS OF HIGH AND LOW WATERS

TIME ZONE UT (GMT)

Time	m	Time	m	Time	m	Time	m
1 0552 1201 TH 1806	5.3 0.6 5.5	9 0209 0813 F 1414 2044	4.7 1.4 4.8 0.8	17 0009 0622 SA 1230 1843	1.3 4.6 1.3 4.5	25 0157 0811 SU 1405 2038	4.9 1.1 5.2 0.4
2 0031 0635 F 1244 1856	0.5 5.1 0.8 5.2	10 0248 0851 SA 1452 2118	4.8 1.2 5.0 0.7	18 0045 0702 SU 1310 1931	1.4 4.4 1.5 4.3	26 0240 0855 M 1449 2122	5.2 0.8 5.5 0.3
3 0116 0724 SA 1334 1955	1.0 4.7 1.1 4.7	11 0322 0925 SU 1525 2149	5.0 1.1 5.1 0.7	19 0127 0752 M 1401 2029	1.7 4.2 1.7 4.1	27 0322 0937 TU 1532 ○ 2204	5.4 0.5 5.7 0.2
4 0210 0822 SU 1439 ☾ 2108	1.4 4.4 1.4 4.3	12 0353 0956 M 1556 ● 2217	5.0 1.0 5.2 0.7	20 0223 0854 TU 1515 ☽ 2140	2.0 4.0 1.8 3.9	28 0403 1019 W 1617 2247	5.5 0.4 5.7 0.2
5 0323 0934 M 1612 2238	1.8 4.1 1.6 4.1	13 0421 1025 TU 1626 2244	5.0 0.9 5.1 0.8	21 0352 1009 W 1648 2301	2.2 3.9 1.8 4.0	29 0446 1102 TH 1704 2329	5.5 0.4 5.6 0.3
6 0501 1103 TU 1758	2.0 4.1 1.5	14 0448 1054 W 1656 2311	5.0 0.9 5.1 0.9	22 0528 1124 TH 1805	2.1 4.1 1.4	30 0530 1146 F 1754	5.3 0.5 5.4
7 0014 0628 W 1229 1910	4.2 1.9 4.3 1.3	15 0516 1124 TH 1728 2338	4.9 1.0 4.9 1.0	23 0013 0634 F 1228 1903	4.3 1.7 4.4 1.1		
8 0121 0728 TH 1328 2002	4.4 1.6 4.6 1.0	16 0547 1155 F 1804	4.8 1.1 4.8	24 0110 0726 SA 1320 1952	4.6 1.4 4.8 0.7		

The time throughout is Greenwich Mean Time, therefore add 1 hour during the operation of British Summer Time. Heights are shown above the lowest astronomical tide (LAT), which is Chart Datum.

ENGLAND - HARTLEPOOL

LAT 54°42'N LONG 1°12'W

May 2021

TIMES AND HEIGHTS OF HIGH AND LOW WATERS

TIME ZONE UT (GMT)

Time	m	Time	m	Time	m	Time	m
1 0013 SA 1234 1848	0.7 5.1 0.7 5.0	9 0217 0818 SU 1420 2044	4.7 1.3 4.8 0.9	17 0023 0638 M 1255 1912	1.4 4.5 1.3 4.4	25 0210 0825 TU 1423 2054	5.2 0.8 5.4 0.3
2 0100 0705 SU 1328 1949	1.1 4.8 1.0 4.6	10 0251 0853 M 1455 2115	4.8 1.2 4.9 0.9	18 0107 0726 TU 1347 2009	1.7 4.3 1.5 4.2	26 0255 0913 W 1513 O 2142	5.3 0.6 5.5 0.3
3 0156 0803 M 1436 C 2101	1.5 4.5 1.3 4.3	11 0322 0926 TU 1528 ● 2145	4.9 1.0 5.0 0.9	19 0201 0824 W 1453 D 2114	1.9 4.2 1.6 4.1	27 0341 1001 TH 1603 2228	5.4 0.5 5.6 0.4
4 0308 0914 TU 1600 2223	1.9 4.3 1.4 4.1	12 0351 0958 W 1600 2213	4.9 1.0 5.0 1.0	20 0317 0932 TH 1609 2224	2.0 4.2 1.5 4.2	28 0426 1049 F 1654 2314	5.4 0.4 5.5 0.6
5 0434 1036 W 1730 2347	2.0 4.2 1.4 4.2	13 0418 1029 TH 1632 2241	5.0 1.0 4.9 1.0	21 0441 1041 F 1720 2331	1.9 4.3 1.3 4.4	29 0512 1137 SA 1747	5.3 0.5 5.3
6 0554 1154 TH 1838	1.9 4.3 1.3	14 0447 1101 F 1706 2312	4.9 1.0 4.8 1.1	22 0548 1145 SA 1821	1.7 4.6 1.1	30 0000 0559 SU 1228 1842	0.9 5.1 0.7 5.0
7 0050 0653 F 1254 1928	4.4 1.7 4.5 1.1	15 0520 1135 SA 1743 2345	4.8 1.1 4.7 1.3	23 0030 0645 SU 1242 1915	4.6 1.4 4.9 0.8	31 0050 0650 M 1323 1940	1.2 4.9 0.9 4.7
8 0138 0739 SA 1341 2009	4.6 1.5 4.7 1.0	16 0557 1212 SU 1825	4.7 1.3 4.5	24 0122 0736 M 1333 2006	4.9 1.1 5.2 0.5		

The time throughout is Greenwich Mean Time, therefore add 1 hour during the operation of British Summer Time. Heights are shown above the lowest astronomical tide (LAT), which is Chart Datum.

ENGLAND - HARTLEPOOL

LAT 54°42'N LONG 1°12'W

June 2021

TIMES AND HEIGHTS OF HIGH AND LOW WATERS

TIME ZONE UT (GMT)

Time	m	Time	m	Time	m	Time	m
1 0143 TU 1424 2043	1.5 4.7 1.1 4.4	9 0252 W 1504 2116	4.8 1.2 4.8 1.2	17 0144 TH 1431 2047	1.7 4.5 1.3 4.4	25 0325 F 1556 2216	5.3 5.4 0.7
2 0245 W 1531 ☾ 2150	1.8 4.5 1.3 4.2	10 0324 TH 1540 ● 2148	4.9 1.1 4.8 1.2	18 0246 F 1534 ☽ 2150	1.8 4.5 1.3 4.4	26 0413 SA 1648 2304	5.3 0.5 5.3 0.8
3 0354 TH 1642 2300	2.0 4.3 1.3 4.2	11 0355 F 1615 2220	4.9 1.1 4.8 1.2	19 0356 SA 1639 2253	1.8 4.5 1.2 4.4	27 0500 SU 1740 2350	5.3 0.5 5.2 1.0
4 0504 F 1749	2.0 4.3 1.3	12 0427 SA 1651 2254	4.9 1.0 4.8 1.2	20 0504 SU 1742 2354	1.7 4.7 1.1 4.6	28 0546 M 1830	5.2 0.6 5.0
5 0003 SA 1209 1843	4.3 1.8 4.4 1.3	13 0502 SU 1730 2330	4.9 1.1 4.7 1.3	21 0607 M 1842	1.4 4.9 0.9	29 0036 TU 1309 1921	1.2 5.1 0.8 4.8
6 0056 SU 1301 1928	4.4 1.6 4.5 1.3	14 0539 M 1812	4.8 1.1 4.7	22 0051 TU 1309 1940	4.8 1.3 5.1 0.8	30 0122 W 1359 2012	1.4 4.9 1.0 4.6
7 0139 M 1346 2007	4.5 1.4 4.6 1.3	15 0010 TU 1246 1858	1.4 4.7 1.2 4.6	23 0145 W 1406 2034	5.0 1.0 5.2 0.7		
8 0217 TU 1426 2043	4.7 1.3 4.7 1.2	16 0054 W 1335 1950	1.5 4.6 1.3 4.4	24 0236 W 1502 ○ 2126	5.2 0.8 5.3 0.7		

The time throughout is Greenwich Mean Time, therefore add 1 hour during the operation of British Summer Time. Heights are shown above the lowest astronomical tide (LAT), which is Chart Datum.

ENGLAND - HARTLEPOOL

LAT 54°42'N LONG 1°12'W

July 2021

TIMES AND HEIGHTS OF HIGH AND LOW WATERS

TIME ZONE UT (GMT)

Time	m	Time	m	Time	m	Time	m
1 0211 0813 TH 1451 ☾ 2107	1.6 4.7 1.3 4.3	9 0302 0916 F 1524 2130	4.8 1.2 4.8 1.3	17 0214 0824 SA 1501 ☽ 2116	1.5 4.8 1.2 4.5	25 0403 1036 SU 1640 2252	5.3 0.5 5.3 0.9
2 0305 0910 F 1548 2204	1.8 4.5 1.4 4.2	10 0337 0955 SA 1602 ● 2206	4.9 1.1 4.8 1.3	18 0315 0927 SU 1603 2218	1.6 4.7 1.3 4.4	26 0447 1121 M 1726 2334	5.4 0.5 5.2 1.0
3 0406 1012 SA 1648 2304	1.9 4.4 1.6 4.1	11 0411 1033 SU 1639 2243	5.0 1.0 4.9 1.2	19 0425 1036 M 1709 2323	1.7 4.7 1.3 4.5	27 0528 1203 TU 1809	5.4 0.5 5.1
4 0511 1115 SU 1750	2.0 4.3 1.6	12 0447 1111 M 1717 2320	5.0 0.9 4.9 1.3	20 0537 1147 TU 1818	1.6 4.7 1.3	28 0013 0608 W 1244 1851	1.1 5.3 0.7 4.9
5 0003 0612 M 1217 1844	4.2 1.9 4.3 1.6	13 0523 1151 TU 1758 2359	5.0 0.9 4.9 1.3	21 0028 0647 W 1257 1924	4.6 1.4 4.8 1.2	29 0052 0650 TH 1323 1933	1.3 5.1 1.0 4.7
6 0057 0706 TU 1312 1932	4.3 1.7 4.4 1.5	14 0601 1233 W 1840	5.0 0.9 4.8	22 0130 0754 TH 1402 2025	4.8 1.2 5.0 1.1	30 0130 0733 F 1404 2017	1.4 4.9 1.3 4.5
7 0144 0753 W 1400 2015	4.5 1.5 4.5 1.4	15 0040 0643 TH 1317 1927	1.4 5.0 1.0 4.7	23 0226 0853 F 1500 2118	5.0 0.9 5.2 1.0	30 0211 0821 F 1448 ☾ 2106	1.7 4.6 4.2 4.2
8 0225 0836 TH 1444 2054	4.7 1.4 4.7 1.4	16 0124 0730 F 1406 2019	1.4 4.9 1.1 4.6	24 0316 0947 SA 1552 ○ 2207	5.2 0.7 5.3 0.9		

The time throughout is Greenwich Mean Time, therefore add 1 hour during the operation of British Summer Time. Heights are shown above the lowest astronomical tide (LAT), which is Chart Datum.

ENGLAND - HARTLEPOOL

LAT 54°42'N LONG 1°12'W

August 2021

TIMES AND HEIGHTS OF HIGH AND LOW WATERS

TIME ZONE UT (GMT)

Time	m	Time	m	Time	m	Time	m
1 0302 SU 0917 1542 2202	1.9 4.4 1.8 4.1	9 0354 1018 M 1622 2229	5.1 0.8 5.1 1.1	17 0355 1015 TU 1646 2258	1.7 4.5 1.6 4.3	25 0504 1136 W 1740 2343	5.5 0.6 5.2 1.0
2 0408 1022 M 1648 2305	2.0 4.2 1.9 4.0	10 0429 1055 TU 1659 2306	5.2 0.7 5.1 1.1	18 0522 1139 W 1808	1.7 4.5 1.6	26 0539 1209 TH 1815	5.4 0.8 5.0
3 0523 1132 TU 1800	2.0 4.1 1.9	11 0503 1133 W 1737 2342	5.3 0.6 5.2 1.1	19 0015 0647 TH 1301 1922	4.4 1.5 4.6 1.5	27 0015 0615 F 1242 1850	1.2 5.2 1.0 4.8
4 0012 0632 W 1241 1901	4.1 1.9 4.2 1.8	12 0540 1212 TH 1818	5.3 0.6 5.1	20 0125 0756 F 1406 2021	4.7 1.2 4.9 1.3	28 0047 0653 SA 1313 1927	1.4 5.0 1.3 4.6
5 0112 0729 TH 1338 1952	4.3 1.7 4.4 1.6	13 0019 0619 F 1254 1901	1.1 5.3 0.7 5.0	21 0221 0852 SA 1458 2110	5.0 0.9 5.1 1.2	29 0122 0736 SU 1348 2009	1.5 4.7 1.6 4.3
6 0201 0817 F 1426 2036	4.5 1.4 4.6 1.5	14 0100 0703 SA 1338 1948	1.2 5.2 0.9 4.8	22 0309 0940 SU 1544 2154	5.2 0.6 5.2 1.0	30 0203 0826 M 1433 2101	1.8 4.4 1.9 4.1
7 0242 0859 SA 1507 2115	4.8 1.2 4.8 1.4	15 0145 0755 SA 1429 2043	1.4 5.0 1.2 4.6	23 0350 1023 M 1625 2233	5.4 0.5 5.3 1.0	31 0302 0929 TU 1539 2207	2.0 4.1 2.1 4.0
8 0319 0939 SU 1545 2153	4.9 1.0 4.9 1.2	16 0241 0859 M 1531 2146	1.5 4.7 1.4 4.4	24 0428 1101 TU 1704 2310	5.5 0.5 5.3 1.0		

The time throughout is Greenwich Mean Time, therefore add 1 hour during the operation of British Summer Time. Heights are shown above the lowest astronomical tide (LAT), which is Chart Datum.

ENGLAND - HARTLEPOOL

September 2021

LAT 54°42'N LONG 1°12'W

TIMES AND HEIGHTS OF HIGH AND LOW WATERS

TIME ZONE UT (GMT)

Time	m	Time	m	Time	m	Time	m
1 0433 1048 W 1714 2325	2.2 4.0 2.2 4.0	9 0438 1109 TH 1712 2320	5.6 0.4 5.4 0.8	17 0009 0652 F 1307 1918	4.4 1.4 4.6 1.6	25 0541 1159 SA 1807	5.2 1.1 4.9
2 0601 1210 TH 1835	2.0 4.1 2.1	10 0515 1147 F 1751 2356	5.6 0.4 5.3 0.9	18 0120 0754 SA 1403 2011	4.7 1.1 4.9 1.4	26 0010 0617 SU 1228 1841	1.3 4.9 1.4 4.7
3 0038 0705 F 1316 1930	4.2 1.7 4.3 1.8	11 0555 1228 SA 1832	5.5 0.6 5.2	19 0211 0842 SU 1448 2055	5.0 0.8 5.1 1.2	27 0043 0657 M 1301 1922	1.4 4.7 1.6 4.5
4 0134 0755 SA 1405 2015	4.5 1.4 4.6 1.5	12 0036 0640 SU 1311 1919	1.0 5.3 0.9 4.9	20 0253 0924 M 1527 2133	5.2 0.6 5.2 1.1	28 0122 0745 TU 1342 2011	1.7 4.3 1.9 4.2
5 0217 0838 SU 1445 2054	4.8 1.1 4.9 1.4	13 0121 0734 M 1401 2013	1.3 5.0 1.3 4.6	21 0330 1000 TU 1602 2208	5.4 0.5 5.3 1.0	29 0214 0845 W 1440 2115	2.0 4.1 2.2 4.0
6 0254 0918 M 1522 2132	5.0 0.8 5.1 1.1	14 0218 0842 TU 1506 2120	1.5 4.6 1.7 4.3	22 0404 1032 W 1635 2240	5.4 0.6 5.3 1.0	30 0340 1004 TH 1623 2235	2.2 3.9 2.4 3.9
7 0329 0955 TU 1558 ● 2208	5.3 0.6 1.0 1.0	15 0340 1007 W 1633 2241	1.7 4.3 1.9 4.2	23 0436 1103 TH 1706 2310	5.4 0.7 5.2 1.0		
8 0403 1032 W 1634 2244	5.5 0.4 5.4 0.8	16 0525 1145 TH 1808	1.7 4.3 1.9	24 0508 1131 F 1736 2340	5.3 0.9 5.1 1.1		

The time throughout is Greenwich Mean Time, therefore add 1 hour during the operation of British Summer Time. Heights are shown above the lowest astronomical tide (LAT), which is Chart Datum.

ENGLAND - HARTLEPOOL

LAT 54°42'N LONG 1°12'W

October 2021

TIMES AND HEIGHTS OF HIGH AND LOW WATERS

TIME ZONE UT (GMT)

Time	m	Time	m	Time	m	Time	m
1 0525 1135 F 1801 2356	2.1 4.0 2.2 4.1	9 0452 1122 SA 1724 2335	15.7 0.4 5.5 0.7	17 0100 0736 SU 1346 1950	4.7 1.1 4.9 1.5	25 0549 1152 M 1806	4.9 1.4 4.8
2 0635 1246 SA 1900	1.7 4.3 1.9	10 0537 1203 SU 1807	5.6 0.6 5.3	18 0149 0820 M 1427 2030	5.0 0.8 5.1 1.3	26 0016 0628 TU 1227 1846	1.4 4.6 1.6 4.6
3 0057 0726 SU 1335 1945	4.4 1.4 4.6 1.6	11 0017 0626 M 1248 1854	0.9 5.3 1.1 5.0	19 0230 0857 TU 1502 2106	5.2 0.7 5.2 1.2	27 0055 0715 W 1308 1935	1.6 4.4 1.9 4.3
4 0142 0809 M 1415 2025	4.8 1.0 5.0 1.3	12 0106 0724 TU 1339 1950	1.2 4.9 1.4 4.6	20 0305 0930 W 1535 2139	5.3 0.7 5.2 1.0	28 0145 0813 TH 1402 2034	1.8 4.1 2.2 4.1
5 0221 0848 TU 1452 2103	5.1 0.7 5.2 1.1	13 0208 0836 W 1449 2100	1.4 4.5 1.9 4.3	21 0337 1000 TH 1605 2210	5.3 0.8 5.2 1.0	29 0257 0924 F 1530 2146	2.0 4.0 2.4 4.0
6 0258 0927 W 1528 ● 2141	5.4 0.4 5.4 0.8	14 0338 1006 TH 1624 2226	1.7 4.3 2.1 4.2	22 0408 1028 F 1633 2240	5.3 0.9 5.2 1.0	30 0434 1047 SA 1710 2303	1.9 4.0 2.3 4.2
7 0334 1005 TH 1605 2218	5.6 0.4 5.5 0.7	15 0524 1144 F 1757 2355	1.6 4.3 2.0 4.4	23 0440 1055 SA 1701 2311	5.2 1.0 5.1 1.1	31 0550 1159 SU 1816	1.7 4.3 2.0
8 0412 1043 F 1644 2256	5.7 0.3 5.6 0.6	16 0641 1255 SA 1901	1.4 4.6 1.7	24 0513 1122 SU 1731 2342	5.1 1.2 5.0 1.2		

The time throughout is Greenwich Mean Time, therefore add 1 hour during the operation of British Summer Time. Heights are shown above the lowest astronomical tide (LAT), which is Chart Datum.

ENGLAND - HARTLEPOOL

November 2021

LAT 54°42'N LONG 1°12'W

TIMES AND HEIGHTS OF HIGH AND LOW WATERS

TIME ZONE UT (GMT)

Time	m	Time	m	Time	m	Time	m
1 0007	4.4	9 0007	0.8	17 0200	5.0	25 0039	1.5
0645	1.4	0619	5.2	0826	1.0	0655	4.4
M 1253	4.6	TU 1233	1.2	W 1434	5.0	TH 1246	1.8
1905	1.6	1837	5.0	2037	1.3	1907	4.5
2 0059	4.8	10 0101	1.1	18 0238	5.0	26 0127	1.6
0731	1.0	0720	4.8	0859	1.0	0748	4.3
TU 1337	5.0	W 1327	1.6	TH 1506	5.1	F 1337	2.1
1949	1.4	1934	4.7	2111	1.2	2001	4.3
3 0143	5.1	11 0206	1.4	19 0312	5.1	27 0227	1.7
0814	0.7	0831	4.5	0929	1.1	0850	4.2
W 1418	5.2	TH 1437	1.9	F 1536	5.1	SA 1444	2.2
2031	1.1	D 2041	4.5	O 2144	1.1	C 2103	4.3
4 0225	5.4	12 0328	1.5	20 0345	5.1	28 0340	1.7
0856	0.5	0953	4.3	0958	1.1	0958	4.2
TH 1457	5.5	F 1601	2.1	SA 1604	5.1	SU 1609	2.2
● 2112	0.8	2201	4.4	2216	1.1	2210	4.3
5 0307	5.6	13 0458	1.5	21 0419	5.0	29 0452	1.5
0937	0.4	1118	4.3	1026	1.2	1105	4.3
F 1538	5.6	SA 1723	4.5	SU 1633	5.1	M 1720	2.0
2154	0.6	2321	4.5	2249	1.1	2315	4.5
6 0351	5.7	14 0610	1.4	22 0453	4.9	30 0555	1.4
1019	0.4	1225	4.5	1055	1.3	1205	4.6
SA 1619	5.6	SU 1828	1.9	M 1705	5.0	TU 1819	1.7
2236	0.6			2322	1.2		
7 0436	5.7	15 0027	4.6	23 0529	4.8		
1101	0.5	0705	1.2	1128	1.5		
SU 1702	5.5	M 1316	4.7	TU 1741	4.9		
2320	0.6	1918	1.6	2358	1.4		
8 0526	5.5	16 0118	4.8	24 0609	4.6		
1145	0.8	0749	1.1	1204	1.6		
M 1748	5.3	TU 1358	4.9	W 1821	4.7		
		2000	1.5				

The time throughout is Greenwich Mean Time, therefore add 1 hour during the operation of British Summer Time. Heights are shown above the lowest astronomical tide (LAT), which is Chart Datum.

ENGLAND - HARTLEPOOL

December 2021

LAT 54°42'N LONG 1°12'W

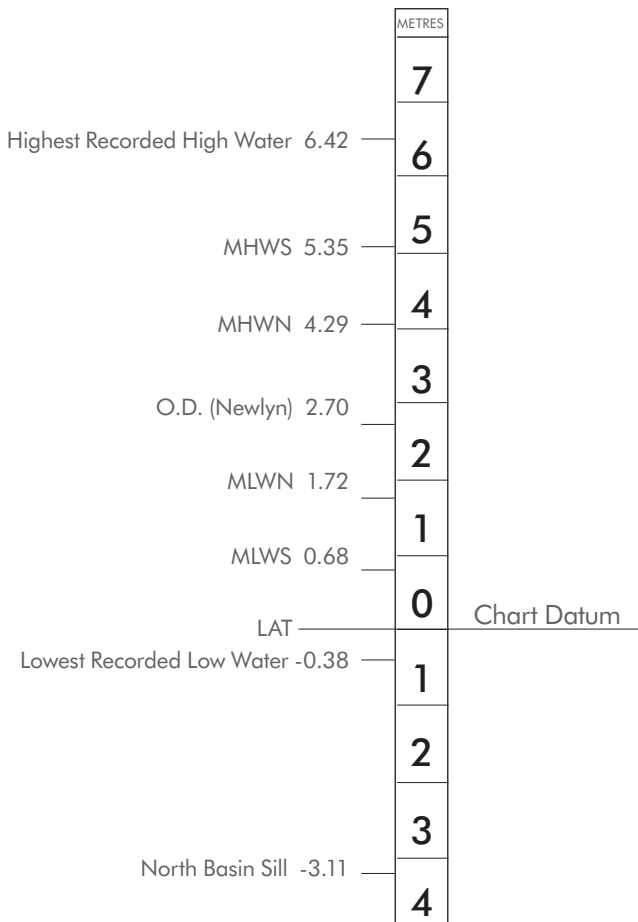
TIMES AND HEIGHTS OF HIGH AND LOW WATERS

TIME ZONE UT (GMT)

Time	m	Time	m	Time	m	Time	m
1 0013 0649 W 1257 1911	4.8 1.1 4.9 1.5	9 0058 0714 TH 1317 1918	0.8 4.9 1.5 5.0	17 0212 0830 F 1439 2048	4.7 1.4 4.9 1.4	25 0110 0724 SA 1315 1930	1.3 4.5 1.8 4.6
2 0107 0739 TH 1344 2000	5.1 0.8 5.1 1.2	10 0157 0815 F 1416 2017	1.1 4.6 1.8 4.7	18 0252 0904 SA 1512 2124	4.8 1.3 4.9 1.2	26 0159 0817 SU 1407 2022	1.4 4.4 1.9 4.6
3 0157 0827 F 1430 2048	5.3 0.6 5.3 0.9	11 0301 0921 SA 1522 2123	1.3 4.4 2.0 4.6	19 0329 0936 SU 1544 2200	4.8 1.3 5.0 1.2	27 0256 0916 M 1511 2123	1.5 4.3 2.0 4.5
4 0247 0914 SA 1515 ● 2136	5.5 0.5 5.5 0.7	12 0411 1031 SU 1633 2232	1.4 4.3 2.1 4.5	20 0405 1007 M 1615 2235	4.8 1.3 5.0 1.1	28 0359 1017 TU 1622 2227	1.5 4.4 1.9 4.6
5 0337 1001 SU 1601 2224	5.6 0.6 5.5 0.6	13 0521 1138 M 1740 2339	1.5 4.3 2.0 4.5	21 0440 1039 TU 1648 2310	4.8 1.4 5.0 1.1	29 0505 1120 W 1731 2333	1.4 4.5 1.8 4.7
6 0428 1047 M 1647 2313	5.5 0.7 5.5 0.6	14 0622 1234 TU 1838	1.5 4.5 1.8	22 0516 1113 W 1724 2347	4.8 1.5 5.0 1.2	30 0610 1219 TH 1835	1.3 4.7 1.5
7 0521 1135 TU 1735	5.4 0.9 5.4	15 0038 0711 W 1322 1927	4.6 1.5 4.6 1.6	23 0555 1150 TH 1802	4.7 1.5 4.9	31 0037 0710 F 1316 1935	4.9 1.1 4.9 1.3
8 0004 0616 W 1224 1824	0.7 5.2 1.3 5.2	16 0128 0753 TH 1403 2009	4.6 1.4 4.7 1.5	24 0026 0637 F 1231 1843	1.3 4.6 1.6 4.8		

The time throughout is Greenwich Mean Time, therefore add 1 hour during the operation of British Summer Time. Heights are shown above the lowest astronomical tide (LAT), which is Chart Datum.

TIDAL DATA HARTLEPOOL



RIVER TEES TIDAL CURRENT INFORMATION LOCATIONS

		Below Surface	Below L.A.T.
A	Tees North Buoy		3.7
B	Tees No 3 Buoy		15.5
C	Tees No 10 Buoy	0.5 - 4cm	
D	Tees No. 16 Buoy	1 - 4m	
E	Tees No. 19 Buoy	0.5 - 1m	
F	Cargo Fleet Wharf	0.5 - 2m	

TIDAL CURRENT DATA (SPRINGS)

TIME	A		B		C		D		E		F	
	Dir.	Sp	Dir.	Sp	Dir.	Sp	Dir.	Sp	Dir.	Sp	Dir.	Sp
-6	355	0.5	303	0.3	64	0.1	7	0.3	23	0.3	60	0.5
-5	322	0.3	283	0.3	204	0.2	331	0.1	21	0.2	37	0.1
-4	275	0.1	259	0.2	226	0.5	171	0.3	266	0.2	160	0.3
-3	187	0.2	212	0.2	232	0.7	211	0.2	272	0.1	109	0.6
-2	170	0.4	187	0.2	227	0.7	159	0.2	158	0.3	129	0.3
-1	167	0.5	172	0.2	164	0.5	141	0.1	131	0.2	16	0.4
HW	164	0.4	166	0.2	45	0.4	99	0.1	69	0.2	125	0.4
+1	158	0.2	162	0.1	48	0.9	358	0.2	65	0.2	48	0.8
+2	121	0.1	227	0.2	39	1.0	360	0.5	47	0.5	57	0.8
+3	254	0.2	324	0.2	60	1.4	4	0.6	56	0.6	56	0.9
+4	347	0.4	331	0.3	41	1.1	8	0.2	45	0.9	60	1.0
+5	332	0.6	321	0.4	46	1.3	14	0.3	49	0.9	60	1.1
+6	335	0.5	306	0.4	52	1.1	352	0.4	45	0.5	25	0.5

Notes:- Directions are in degrees True, Speeds are in Knots.

The above data was collected between Feb. 1985 & March 1991

TIDAL CONSTANTS

For High Water, at the following places, adjustments as given below should be made to the times given for River Tees Entrance.

h.m.

Blyth.....	Subtract 0	18
Dover.....	Subtract 4	56
Grangemouth.....	Subtract 0	51
Gravesend	Subtract 2	58
Grimsby	Add 1	53
Holy Island.....	Subtract 0	58
Hull.....	Add 2	32
Leith.....	Subtract 1	09
North Shields.....	Subtract 0	17
Seaham Harbour.....	Subtract 0	15
Sunderland.....	Subtract 0	17
Whitby	Add 0	14

RIVER TEES - TIDES

MEAN HIGH WATER SPRING 5.5 M MEAN LOW WATER SPRING 0.9M MEAN SPRING RANGE 4.6M			MEAN HIGH WATER NEAP 4.3M MEAN LOW WATER NEAP 2.0M MEAN NEAP RANGE 2.3M		
INTERVAL (HOURS)	TIDAL HEIGHT (M)	HOURLY CHANGE (M)	INTERVAL (HOURS)	TIDAL HEIGHT (M)	HOURLY CHANGE (M)
-5.50	0.9		-6.15	2.0	
-5.00	1.2	+0.3	-6.00	2.0	-
-4.00	2.0	+0.8	-5.00	2.2	+0.2
-3.00	3.3	+1.3	-4.00	2.6	+0.4
-2.00	4.4	+1.1	-3.00	3.2	+0.6
-1.00	5.2	+0.8	-2.00	3.8	+0.6
HW	5.5	+0.3	-1.00	4.2	+0.4
+1.00	5.2	-0.3	HW	4.3	+0.1
+2.00	4.4	-0.8	+1.00	4.2	-0.1
+3.00	3.3	-1.1	+2.00	3.8	-0.4
+4.00	2.3	-1.0	+3.00	3.2	-0.6
+5.00	1.4	-0.9	+4.00	2.7	-0.5
+6.00	1.0	-0.4	+5.00	2.3	-0.4
+6.40	0.9	-0.1	+6.00	2.1	-0.2
			+6.30	2.0	-0.1

Zero is Lowest Astronomical Tide (L.A.T.)

The information given above is approximate only as the height of the tide is liable to be affected by meteorological conditions.

Strong winds from N.W. through North to N.E. increase tide.

Strong S.E. winds depress tide.

**DISTANCE IN THE RIVER TEES
FROM THE TEES APPROACH
LIGHT BUOY
(Nautical Miles)**

	N.M. between points	Con- tinuous N.M
Tees Approach Buoy		0.00
	3.48	
South Gare Lighthouse		3.48
	1.55	
No. 13 Beacon Light		5.03
	1.27	
Tees Dock Entrance		6.30
	0.96	
No. 23 Light Buoy (North Tees "A" Jetty)		7.26
	0.83	
No. 27 Light Buoy		8.09
	0.59	
No. 32 Buoy		8.68
	0.54	
Transporter Bridge		9.22
	0.80	
No. 37 Beacon Light		10.02
	0.92	
Inter Terminals Riverside Jetty		10.94
	0.50	
Tees (Newport) Bridge		11.44
	0.35	
A19 Viaduct		11.79
	0.65	
Tees Barrage		12.44

NOTES

For further information:
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