



TEESPORT TIDE TABLES 2023

£1



Head Office

17-27 QUEEN'S SQUARE, MIDDLESBROUGH TS2 1AH

Tel: +44 1642 877000

Fax: +44 1642 877056

Email: enquiries@pdports.co.uk

Tees Dock

Tel: +44 1642 277502

Fax: +44 1642 277579

Hartlepool Docks

Tel: +44 1429 427404

Fax: +44 1429 427410

Harbour Master

Tel: +44 1642 277201

Email: harbourmaster@pdports.co.uk

VTS Centre (24 HOURS)

Shipping Information

Tel: +44 1642 277205/6

Email: tees.vts@pdports.co.uk

Conservancy Office

Tel: +44 1642 877101/2

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 26th March and ends 29th 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)

Svitzer 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 2023 –
DECEMBER 2023

RIVER TEES ENTRANCE

LAT 54°38'N LONG 1°09'W

January 2023

TIMES AND HEIGHTS OF HIGH AND LOW WATERS

TIME ZONE UT (GMT)

Time	m	Time	m	Time	m	Time	m
1 0512 1128 SU 1734 2335	1.6 4.4 2.1 4.6	9 0503 1102 M 1706 2335	4.9 1.5 5.1 1.2	17 0501 1116 TU 1728 2335	1.8 4.4 2.1 4.5	25 0008 0612 W 1219 1815	0.3 5.4 1.0 5.7
2 0619 1231 M 1840	1.7 4.5 2.0	10 0537 1134 TU 1740	4.9 1.6 5.1	18 0610 1220 W 1839	1.7 4.5 1.9	26 0052 0700 TH 1302 1901	0.4 5.2 1.2 5.5
3 0041 0718 TU 1324 1937	4.6 1.7 4.6 1.8	11 0009 0614 W 1208 1817	1.2 4.8 1.6 5.0	19 0044 0717 TH 1319 1946	4.7 1.5 4.7 1.5	27 0137 0748 F 1346 1949	0.7 5.0 1.5 5.2
4 0139 0805 W 1411 2026	4.7 1.7 4.8 1.6	12 0044 0652 TH 1245 1855	1.3 4.7 1.8 4.9	20 0150 0817 F 1415 2046	4.9 1.3 5.0 1.2	28 0223 0838 SA 1434 2041	1.1 4.7 1.7 4.9
5 0229 0847 TH 1452 2108	4.7 1.6 4.9 1.4	13 0122 0734 F 1325 1937	1.4 4.6 1.9 4.8	21 0249 0912 SA 1507 ● 2142	5.2 1.1 5.3 0.8	29 0315 0932 SU 1532 2142	1.5 4.4 2.0 4.6
6 0312 0924 F 1528 ○ 2147	4.8 1.6 5.0 1.3	14 0204 0821 SA 1409 2024	1.5 4.5 2.0 4.6	22 0344 1003 SU 1556 2233	5.4 1.0 5.5 0.5	30 0417 1034 M 1644 2252	1.9 4.2 2.2 4.3
7 0351 0958 SA 1602 2224	4.9 1.6 5.1 1.2	15 0254 0914 SU 1504 ☾ 2120	1.6 4.4 2.1 4.5	23 0435 1051 M 1643 2322	5.5 0.9 5.7 0.3	31 0534 1145 TU 1807	2.1 4.2 2.2
8 0427 1030 SU 1634 2300	4.9 1.5 5.1 1.2	16 0353 1013 M 1612 2225	1.7 4.3 2.2 4.5	24 0524 1136 TU 1729	5.5 0.9 5.7		

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.

RIVER TEES ENTRANCE

LAT 54°38'N LONG 1°09'W

February 2023

TIMES AND HEIGHTS OF HIGH AND LOW WATERS

TIME ZONE UT (GMT)

Time	m	Time	m	Time	m	Time	m
1 0011 0650 W 1256 1919	4.2 2.1 4.3 2.0	9 0547 1149 TH 1750	5.0 1.3 5.2	17 0032 0705 F 1302 1940	4.5 1.8 4.6 1.5	25 0104 0711 SA 1311 1916	0.7 5.0 1.2 5.3
2 0125 0748 TH 1352 2014	4.3 2.0 4.5 1.7	10 0017 0621 F 1220 1823	1.0 4.9 1.4 5.1	18 0145 0810 SA 1404 2042	4.8 1.5 4.9 1.0	26 0142 0754 SU 1351 2004	1.1 4.7 1.5 4.9
3 0219 0833 F 1438 2058	4.5 1.9 4.7 1.5	11 0051 0657 SA 1254 1858	1.1 4.8 1.5 5.0	19 0245 0905 SU 1457 2136	5.1 1.2 5.3 0.6	27 0223 0842 M 1441 D 2101	1.6 4.4 1.9 4.4
4 0302 0911 SA 1516 2136	4.7 1.7 4.9 1.3	12 0128 0738 SU 1331 1940	1.3 4.6 1.7 4.8	20 0336 0952 M 1543 ● 2223	5.4 0.9 5.6 0.3	28 0317 0940 TU 1554 2213	2.1 4.1 2.2 4.1
5 0340 0945 SU 1549 O 2211	4.8 1.6 5.1 1.1	13 0210 0826 M 1417 C 2034	1.5 4.4 1.9 4.6	21 0422 1036 TU 1627 2307	5.5 0.8 5.8 0.1		
6 0414 1017 M 1620 2244	4.9 1.4 5.2 1.0	14 0304 0925 TU 1520 2144	1.7 4.3 2.0 4.4	22 0506 1118 W 1709 2348	5.6 0.7 5.9 0.1		
7 0446 1048 TU 1649 2316	5.0 1.4 5.2 1.0	15 0416 1035 W 1647 2308	1.9 4.2 2.1 4.3	23 0548 1157 TH 1750	5.5 0.8 5.8		
8 0516 1118 W 1719 2346	5.0 1.3 5.2 1.0	16 0542 1151 TH 1820	2.0 4.3 1.9	24 0026 0630 F 1234 1832	0.3 5.3 0.9 5.6		

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

March 2023

TIMES AND HEIGHTS OF HIGH AND LOW WATERS

TIME ZONE UT (GMT)

Time	m	Time	m	Time	m	Time	m
1 0441 1056 W 1733 2343	2.4 4.0 2.2 4.0	9 0448 1055 TH 1651 2319	5.1 1.1 5.3 0.7	17 0530 1132 F 1817	2.1 4.2 1.8	25 0556 1204 SA 1804	5.3 0.8 5.5
2 0621 1224 TH 1859	2.4 4.1 2.0	10 0517 1124 F 1720 2349	5.1 1.1 5.3 0.8	18 0030 0657 SA 1250 1935	4.4 1.9 4.5 1.3	26 0029 0633 SU 1239 1846	0.8 5.0 1.1 5.1
3 0108 0728 F 1330 1956	4.1 2.2 4.3 1.7	11 0548 1155 SA 1751	5.1 1.1 5.2	19 0141 0759 SU 1351 2032	4.8 1.5 4.9 0.8	27 0102 0711 M 1317 1932	1.3 4.7 1.4 4.7
4 0204 0814 SA 1417 2039	4.4 2.0 4.6 1.4	12 0021 0622 SU 1226 1828	0.9 5.0 1.2 5.1	20 0234 0849 M 1440 2120	5.1 1.2 5.3 0.4	28 0137 0754 TU 1403 2027	1.7 4.4 1.8 4.3
5 0244 0852 SU 1455 2116	4.6 1.7 4.9 1.2	13 0056 0700 M 1303 1911	1.1 4.8 1.4 4.9	21 0319 0933 TU 1524 ● 2203	5.4 0.9 5.6 0.2	29 0221 0849 W 1513 ☾ 2138	2.2 4.1 2.1 4.0
6 0320 0926 M 1528 2149	4.8 1.5 5.0 1.0	14 0137 0746 TU 1348 2008	1.5 4.5 1.7 4.6	22 0401 1014 W 1605 2243	5.5 0.7 5.8 0.1	30 0343 1006 TH 1656 2311	2.5 3.9 2.2 3.8
7 0351 0956 TU 1557 ○ 2220	5.0 1.3 5.2 0.9	15 0230 0847 W 1453 ☾ 2125	1.8 4.3 1.9 4.3	23 0441 1052 TH 1644 2320	5.5 0.6 5.8 0.2	31 0542 1141 F 1825	2.5 4.0 2.0
8 0420 1026 W 1624 2250	5.1 1.2 5.2 0.8	16 0348 1006 TH 1631 2258	2.1 4.1 2.0 4.2	24 0519 1129 F 1724 2355	5.4 0.7 5.7 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.

RIVER TEES ENTRANCE

LAT 54°38'N LONG 1°09'W

April 2023

TIMES AND HEIGHTS OF HIGH AND LOW WATERS

TIME ZONE UT (GMT)

Time	m	Time	m	Time	m	Time	m
1 0037 SA 1254 1923	4.0 2.3 4.2 1.7	9 0518 1131 SU 1728 2356	5.2 0.9 5.3 0.9	17 0126 0736 M 1330 2010	4.8 1.5 5.0 0.7	25 0028 0636 TU 1253 1908	1.5 4.7 1.4 4.6
2 0133 SU 1343 2006	4.3 2.0 4.5 1.4	10 0553 1207 M 1810	5.0 1.1 5.1	18 0214 0824 TU 1418 2056	5.1 1.2 5.3 0.5	26 0102 0718 W 1339 2000	1.8 4.5 1.7 4.3
3 0214 0821 M 1422 2043	4.6 1.7 4.8 1.1	11 0033 0634 TU 1247 1900	1.2 4.8 1.3 4.8	19 0257 0907 W 1500 2137	5.3 0.9 5.5 0.4	27 0144 0809 TH 1443 2105	2.2 4.2 1.9 4.0
4 0249 0855 TU 1455 2117	4.8 1.4 5.0 0.9	12 0116 0724 W 1339 2004	1.5 4.6 1.5 4.5	20 0336 0947 TH 1540 ● 2215	5.4 0.8 5.6 0.4	28 0252 0918 F 1611 2227	2.5 4.0 2.1 3.9
5 0319 0926 W 1524 2148	5.0 1.2 5.1 0.8	13 0213 0828 TH 1451 ☾ 2124	1.9 4.3 1.8 4.2	21 0413 1025 F 1619 2251	5.4 0.7 5.6 0.5	29 0443 1045 SA 1734 2347	2.5 4.0 1.9 4.0
6 0347 0957 TH 1553 O 2218	5.1 1.1 5.2 0.7	14 0339 0949 F 1633 2257	2.2 4.2 1.8 4.2	22 0448 1102 SA 1659 2324	5.3 0.7 5.4 0.8	30 0603 1201 SU 1834	2.4 4.2 1.7
7 0416 1027 F 1621 2249	5.2 1.0 5.3 0.7	15 0520 1117 SA 1808	2.1 4.3 1.5	23 0523 1138 SU 1739 2357	5.2 0.9 5.2 1.1		
8 0446 1059 SA 1653 2321	5.2 0.9 5.3 0.7	16 0023 0639 SU 1232 1917	4.5 1.9 4.6 1.1	24 0558 1214 M 1821	5.0 1.1 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.

RIVER TEES ENTRANCE

LAT 54°38'N LONG 1°09'W

May 2023

TIMES AND HEIGHTS OF HIGH AND LOW WATERS

TIME ZONE UT (GMT)

Time	m	Time	m	Time	m	Time	m
1 0047 0657 M 1254 1922	4.2 2.1 4.4 1.4	9 0536 1157 TU 1806	5.1 1.0 5.0	17 0148 0756 W 1352 2028	5.0 1.3 5.2 0.7	25 0039 0652 TH 1322 1936	1.8 4.6 1.6 4.3
2 0131 0739 TU 1336 2002	4.5 1.8 4.7 1.2	10 0020 0622 W 1245 1903	1.2 4.9 1.1 4.8	18 0231 0840 TH 1437 2110	5.1 1.1 5.3 0.7	26 0121 0740 F 1416 2031	2.1 4.4 1.7 4.2
3 0207 0816 W 1413 2038	4.7 1.5 4.9 1.0	11 0109 0715 TH 1344 2009	1.6 4.7 1.3 4.5	19 0310 0922 F 1519 ● 2148	5.2 1.0 5.3 0.8	27 0217 0837 SA 1520 D 2134	2.3 4.3 1.9 4.1
4 0239 0850 TH 1446 2112	4.9 1.3 5.1 0.8	12 0212 0820 F 1500 C 2125	1.9 4.5 1.5 4.4	20 0347 1002 SA 1559 2224	5.2 0.9 5.3 0.9	28 0334 0944 SU 1629 2242	2.4 4.2 1.9 4.1
5 0311 0925 F 1520 O 2146	5.1 1.1 5.2 0.7	13 0334 0937 SA 1624 2246	2.1 4.4 1.4 4.4	21 0422 1040 SU 1640 2258	5.1 0.9 5.2 1.1	29 0452 1053 M 1731 2343	2.3 4.2 1.7 4.2
6 0344 1000 SA 1555 2221	5.2 0.9 5.3 0.7	14 0457 1056 SU 1743	2.0 4.5 1.3	22 0456 1118 M 1721 2331	5.1 1.0 5.0 1.3	30 0554 1153 TU 1825	2.2 4.4 1.6
7 0418 1036 SU 1634 2258	5.2 0.9 5.3 0.8	15 0000 0608 M 1205 1848	4.5 1.8 4.7 1.0	23 0531 1157 TU 1803	5.0 1.1 4.8	31 0034 0646 W 1243 1913	4.4 1.9 4.6 1.4
8 0455 1115 M 1717 2337	5.2 0.9 5.2 1.0	16 0059 0706 TU 1303 1941	4.8 1.5 5.0 0.8	24 0003 0610 W 1237 1848	1.6 4.8 1.3 4.6		

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 2023

TIMES AND HEIGHTS OF HIGH AND LOW WATERS

TIME ZONE UT (GMT)

Time	m	Time	m	Time	m	Time	m
1 0118 TH 0731 1328 1956	4.6 1.7 4.8 1.2	9 0109 F 0710 1349 2006	1.5 5.0 1.0 4.7	17 0249 SA 0903 1505 2127	4.9 1.2 5.0 1.3	25 0145 SU 0800 1431 2045	2.0 4.5 1.6 4.3
2 0158 F 0813 1411 2037	4.8 1.4 5.0 1.0	10 0209 SA 0810 1453 2111	1.7 4.9 1.1 4.6	18 0328 SU 0945 1548 2204	5.0 1.1 5.0 1.3	26 0237 M 0853 1525 2140	2.1 4.4 1.7 4.2
3 0237 SA 0855 1453 2118	5.0 1.2 5.1 0.9	11 0315 SU 0917 1600 2218	1.9 4.8 1.2 4.5	19 0404 M 1025 1629 2239	5.0 1.1 4.9 1.4	27 0339 TU 0951 1623 2238	2.2 4.4 1.8 4.2
4 0317 SU 0938 1538 2201	5.1 1.0 5.2 0.9	12 0423 M 1026 1708 2325	1.9 4.7 1.2 4.5	20 0438 TU 1105 1708 2313	5.0 1.1 4.9 1.5	28 0446 W 1052 1723 2335	2.2 4.4 1.7 4.3
5 0358 M 1022 1625 2244	5.2 0.8 5.3 0.9	13 0530 TU 1133 1813	1.8 4.8 1.2	21 0513 W 1143 1748 2347	5.0 1.2 4.8 1.6	29 0548 TH 1152 1821	2.0 4.5 1.6
6 0441 TU 1108 1715 2329	5.3 0.8 5.2 1.1	14 0026 W 0633 1234 1911	4.6 1.7 4.8 1.2	22 0550 TH 1222 1828	4.9 1.3 4.7	30 0030 F 0646 1249 1917	4.5 1.8 4.7 1.4
7 0527 W 1157 1808	5.2 0.8 5.1	15 0120 TH 0728 1330 2002	4.7 1.5 4.9 1.2	23 0022 F 0630 1302 1910	1.7 4.8 1.4 4.5		
8 0017 TH 0616 1250 1905	1.3 5.1 0.9 4.9	16 0207 F 0818 1420 2046	4.9 1.3 5.0 1.2	24 0101 SA 0713 1344 1955	1.9 4.7 1.5 4.4		

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.

RIVER TEES ENTRANCE

LAT 54°38'N LONG 1°09'W

July 2023

TIMES AND HEIGHTS OF HIGH AND LOW WATERS

TIME ZONE UT (GMT)

Time	m	Time	m	Time	m	Time	m
1 0122 SA 1343 2009	4.7 1.6 4.9 1.3	9 0151 SU 1430 2044	1.4 5.2 0.9 4.8	17 0315 M 1540 ● 2151	4.9 1.3 4.9 1.6	25 0152 TU 1433 D 2049	1.9 4.7 1.6 4.4
2 0211 SU 1436 2100	4.9 1.3 5.1 1.1	10 0245 M 1527 C 2142	1.6 5.0 1.1 4.6	18 0352 TU 1618 2225	5.0 1.2 4.9 1.5	26 0240 W 1526 2144	2.0 4.5 1.8 4.3
3 0258 M 1528 O 2149	5.1 1.0 5.2 1.0	11 0345 TU 1629 2244	1.8 4.8 1.4 4.5	19 0425 W 1654 2258	5.1 1.1 4.9 1.5	27 0341 TH 1630 2246	2.1 4.4 1.9 4.3
4 0345 TU 1620 2238	5.3 0.8 5.3 1.0	12 0451 W 1736 2350	1.9 4.6 1.6 4.4	20 0458 TH 1729 2330	5.1 1.1 4.9 1.5	28 0456 F 1740 2351	2.1 4.4 1.8 4.3
5 0432 W 1711 2326	5.4 0.6 5.4 1.0	13 0601 TH 1843	1.9 4.6 1.7	21 0530 F 1803	5.1 1.1 4.9	29 0611 SA 1849	2.0 4.5 1.7
6 0519 TH 1803	5.5 0.5 5.3	14 0053 F 1314 1942	4.5 1.8 4.6 1.7	22 0002 SA 1234 1840	1.5 5.0 1.2 4.8	30 0054 SU 1328 1953	4.5 1.7 4.8 1.5
7 0013 F 1246 1856	1.1 5.5 0.5 5.2	15 0148 SA 1411 2031	4.6 1.6 4.7 1.7	23 0035 SU 1310 1918	1.6 4.9 1.3 4.7	31 0152 M 1427 2049	4.8 1.3 5.0 1.3
8 0101 SA 1337 1949	1.2 5.4 0.7 5.0	16 0235 SU 1459 2113	4.8 1.4 4.8 1.6	24 0112 M 1348 2001	1.7 4.8 1.5 4.5		

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

August 2023

TIMES AND HEIGHTS OF HIGH AND LOW WATERS

TIME ZONE UT (GMT)

Time	m	Time	m	Time	m	Time	m
1 0244	5.1	9 0304	1.8	17 0408	5.2	25 0252	2.1
0918	0.9	0914	4.7	1032	1.0	0917	4.4
TU 1521	5.3	W 1546	1.7	TH 1634	5.0	F 1546	2.1
○ 2141	1.1	2201	4.3	2238	1.4	2205	4.2
2 0333	5.4	10 0412	2.0	18 0437	5.2	26 0416	2.2
1010	0.6	1025	4.4	1103	1.0	1041	4.3
W 1612	5.5	TH 1659	2.0	F 1704	5.1	SA 1712	2.1
2229	0.9	2311	4.2	2307	1.3	2321	4.2
3 0419	5.6	11 0535	2.1	19 0506	5.2	27 0552	2.0
1058	0.3	1147	4.3	1133	1.0	1207	4.4
TH 1700	5.6	F 1822	2.1	SA 1733	5.1	SU 1836	2.0
2315	0.9			2337	1.3		
4 0505	5.8	12 0028	4.3	20 0535	5.2	28 0035	4.5
1145	0.2	0655	1.9	1203	1.0	0712	1.6
F 1747	5.6	SA 1307	4.4	SU 1805	5.0	M 1321	4.7
2358	0.9	1929	2.1			1944	1.7
5 0550	5.8	13 0132	4.5	21 0007	1.4	29 0138	4.9
1230	0.3	0757	1.7	0607	5.1	0815	1.2
SA 1834	5.4	SU 1405	4.5	M 1234	1.2	TU 1420	5.1
		2019	1.9	1840	4.9	2039	1.3
6 0040	1.0	14 0221	4.7	22 0039	1.5	30 0230	5.3
0636	5.7	0844	1.5	0641	5.0	0908	0.7
SU 1313	0.5	M 1450	4.7	TU 1309	1.3	W 1510	5.4
1921	5.2	2100	1.8	1918	4.7	2127	1.0
7 0123	1.2	15 0302	4.9	23 0113	1.7	31 0317	5.6
0723	5.4	0923	1.3	0720	4.8	0956	0.4
M 1359	0.9	TU 1528	4.9	W 1349	1.6	TH 1556	5.6
2009	4.9	2135	1.6	2002	4.5	○ 2212	0.8
8 0210	1.5	16 0337	5.1	24 0155	1.9		
0815	5.1	0959	1.1	0810	4.6		
TU 1448	1.3	W 1602	5.0	TH 1439	1.8		
☾ 2102	4.6	● 2208	1.5	☽ 2057	4.3		

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

September 2023

TIMES AND HEIGHTS OF HIGH AND LOW WATERS

TIME ZONE UT (GMT)

Time	m	Time	m	Time	m	Time	m
1 0401 1041 F 1640 2254	5.9 0.1 5.7 0.7	9 0514 1129 SA 1801	2.2 4.1 2.5	17 0436 1101 SU 1700 2308	5.3 0.9 5.2 1.2	25 0546 1202 M 1826	1.9 4.4 2.1
2 0443 1123 SA 1723 2334	6.0 0.1 5.7 0.7	10 0001 0642 SU 1256 1911	4.1 2.0 4.2 2.3	18 0503 1130 M 1730 2338	5.3 1.0 5.2 1.2	26 0018 0704 TU 1313 1929	4.5 1.5 4.8 1.7
3 0525 1203 SU 1805	5.9 0.3 5.5	11 0111 0741 M 1350 1959	4.4 1.7 4.5 2.0	19 0533 1201 TU 1802	5.2 1.1 5.0	27 0120 0801 W 1406 2020	5.0 1.0 5.2 1.3
4 0012 0608 M 1242 1847	0.8 5.8 0.6 5.3	12 0200 0824 TU 1430 2038	4.7 1.4 4.7 1.8	20 0009 0607 W 1235 1839	1.4 5.1 1.3 4.9	28 0211 0849 TH 1452 2105	5.4 0.6 5.5 1.0
5 0051 0653 TU 1322 1931	1.1 5.5 1.0 4.9	13 0239 0900 W 1505 2111	5.0 1.2 4.9 1.6	21 0043 0648 TH 1314 1922	1.5 4.9 1.6 4.6	29 0255 0934 F 1534 O 2147	5.7 0.3 5.7 0.8
6 0133 0742 W 1406 C 2019	1.4 5.0 1.6 4.6	14 0312 0933 TH 1537 2142	5.1 1.0 5.1 1.4	22 0125 0742 F 1403 D 2019	1.8 4.6 2.0 4.4	30 0337 1016 SA 1614 2227	5.9 0.2 5.7 0.7
7 0224 0840 TH 1500 2117	1.8 4.6 2.1 4.3	15 0342 1004 F 1606 ● 2211	5.3 0.9 5.2 1.3	23 0224 0856 SA 1516 2134	2.0 4.3 2.3 4.2		
8 0335 0955 F 1621 2232	2.1 4.2 2.4 4.1	16 0410 1033 SA 1633 2239	5.3 0.9 5.2 1.2	24 0359 1029 SU 1658 2259	2.1 4.2 2.3 4.2		

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 2023

TIMES AND HEIGHTS OF HIGH AND LOW WATERS

TIME ZONE UT (GMT)

Time	m	Time	m	Time	m	Time	m
1 0417 1055 SU 1654 2306	6.0 0.2 5.7 0.7	9 0611 1227 M 1838	2.0 4.2 2.4	17 0435 1100 TU 1658 2313	5.3 1.0 5.3 1.1	25 0642 1255 W 1903	1.3 4.9 1.7
2 0458 1133 M 1733 2344	5.9 0.5 5.5 0.8	10 0035 0708 TU 1320 1927	4.4 1.7 4.5 2.1	18 0508 1133 W 1732 2347	5.3 1.1 5.1 1.3	26 0056 0737 TH 1344 1954	5.1 0.9 5.2 1.4
3 0540 1209 TU 1811	5.7 0.8 5.2	11 0126 0750 W 1359 2005	4.6 1.5 4.7 1.8	19 0547 1209 TH 1811	5.1 1.4 4.9	27 0146 0824 F 1428 2039	5.4 0.6 5.4 1.1
4 0022 0625 W 1245 1852	1.1 5.3 1.3 4.9	12 0205 0826 TH 1433 2039	4.9 1.2 4.9 1.6	20 0025 0635 F 1250 1858	1.4 4.9 1.7 4.7	28 0231 0908 SA 1509 O 2121	5.6 0.5 5.6 0.9
5 0103 0714 TH 1324 1937	1.4 4.9 1.8 4.6	13 0239 0900 F 1504 2111	5.1 1.1 5.1 1.4	21 0113 0735 SA 1343 1957	1.7 4.6 2.1 4.5	29 0313 0948 SU 1548 2202	5.8 0.5 5.6 0.8
6 0152 0811 F 1412 C 2032	1.8 4.4 2.3 4.3	14 0310 0930 SA 1532 ● 2141	5.2 0.9 5.2 1.2	22 0219 0852 SU 1501 D 2113	1.9 4.3 2.3 4.3	30 0354 1027 M 1625 2241	5.8 0.6 5.5 0.8
7 0303 0926 SA 1538 2149	2.1 4.1 2.6 4.1	15 0338 1000 SU 1559 2210	5.3 0.9 5.3 1.1	23 0357 1023 M 1643 2238	1.9 4.3 2.3 4.4	31 0436 1103 TU 1703 2320	5.6 0.8 5.4 0.9
8 0445 1102 SU 1727 2322	2.2 4.0 2.7 4.1	16 0405 1029 M 1627 2241	5.3 0.9 5.3 1.1	24 0532 1150 TU 1803 2355	1.7 4.5 2.1 4.7		

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.

RIVER TEES ENTRANCE

LAT 54°38'N LONG 1°09'W

November 2023

TIMES AND HEIGHTS OF HIGH AND LOW WATERS

TIME ZONE UT (GMT)

Time	m	Time	m	Time	m	Time	m
1 0519 1139 W 1740 2359	5.4 1.2 5.2 1.1	9 0037 0706 TH 1316 1924	4.5 1.6 4.6 2.0	17 0542 1154 F 1757	5.1 1.4 5.1	25 0120 0758 SA 1403 2013	5.2 0.9 5.2 1.3
2 0603 1214 TH 1819	5.1 1.5 5.0	10 0121 0746 F 1353 2001	4.7 1.4 4.8 1.7	18 0021 0635 SA 1240 1847	1.3 4.9 1.7 4.9	26 0209 0843 SU 1445 2059	5.4 0.9 5.3 1.1
3 0041 0652 F 1250 1903	1.4 4.7 1.9 4.7	11 0159 0822 SA 1425 2035	4.9 1.2 5.0 1.5	19 0115 0737 SU 1337 1946	1.4 4.6 2.0 4.7	27 0254 0924 M 1525 O 2142	5.4 0.9 5.3 1.0
4 0130 0747 SA 1334 1954	1.7 4.4 2.3 4.4	12 0233 0855 SU 1456 2109	5.1 1.1 5.2 1.3	20 0223 0848 M 1452 D 2056	1.6 4.5 2.2 4.6	28 0338 1004 TU 1603 2223	5.4 1.0 5.3 1.0
5 0234 0854 SU 1444 C 2101	2.0 4.1 2.6 4.2	13 0306 0927 M 1527 ● 2143	5.2 1.0 5.3 1.2	21 0343 1006 TU 1615 2212	1.6 4.4 2.2 4.6	29 0422 1041 W 1640 2304	5.3 1.2 5.3 1.0
6 0357 1015 M 1627 2225	2.1 4.0 2.7 4.2	14 0340 1001 TU 1600 2218	5.3 1.0 5.3 1.1	22 0502 1122 W 1728 2324	1.5 4.6 2.0 4.8	30 0505 1117 TH 1717 2344	5.1 1.4 5.2 1.2
7 0518 1134 TU 1746 2341	2.0 4.1 2.5 4.3	15 0416 1036 W 1635 2256	5.3 1.0 5.3 1.1	23 0610 1225 TH 1831	1.2 4.8 1.8		
8 0619 1233 W 1840	1.8 4.4 2.3	16 0456 1113 TH 1714 2336	5.2 1.2 5.2 1.1	24 0026 0708 F 1317 1925	5.0 1.0 5.0 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

December 2023

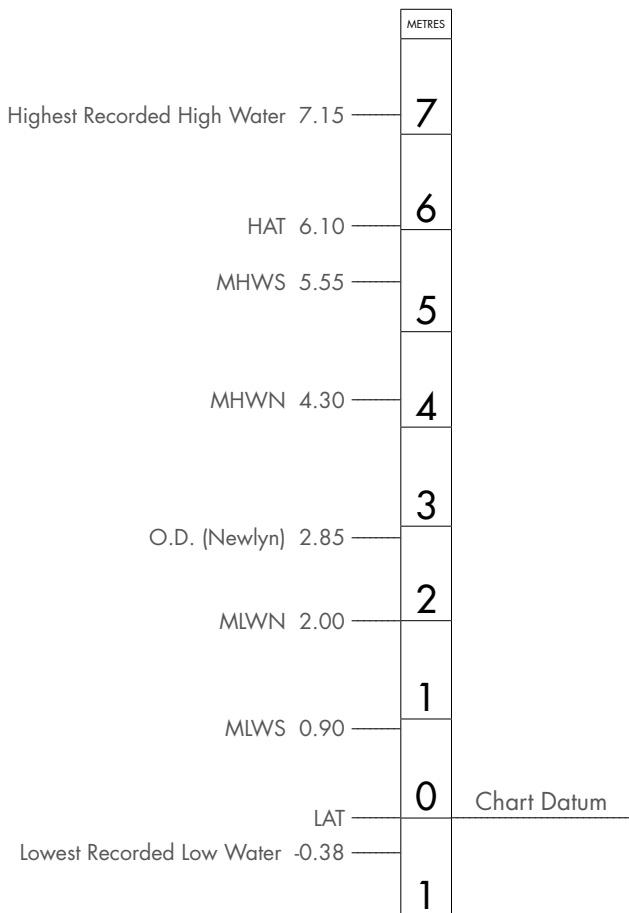
TIMES AND HEIGHTS OF HIGH AND LOW WATERS

TIME ZONE UT (GMT)

Time	m	Time	m	Time	m	Time	m
1 0548 1151 F 1755	4.9 1.7 5.0	9 0026 0657 SA 1303 1916	4.5 1.6 4.6 1.9	17 0023 0635 SU 1238 1839	0.9 5.0 1.5 5.2	25 0155 0825 M 1428 2045	5.0 1.3 5.0 1.3
2 0026 0634 SA 1227 1837	1.3 4.7 1.9 4.9	10 0114 0740 SU 1344 1959	4.7 1.5 4.8 1.7	18 0116 0732 M 1332 1933	1.0 4.9 1.7 5.1	26 0246 0909 TU 1511 2131	5.0 1.4 5.1 1.2
3 0111 0722 SU 1307 1924	1.5 4.5 2.2 4.7	11 0158 0821 M 1422 2040	4.9 1.3 5.0 1.4	19 0214 0833 TU 1432 2034	1.1 4.7 1.9 4.9	27 0333 0949 W 1550 2214	5.0 1.4 5.2 1.1
4 0201 0816 M 1358 2017	1.8 4.3 2.4 4.5	12 0240 0900 TU 1501 ● 2122	5.0 1.2 5.1 1.2	20 0317 0937 W 1539 2139	1.3 4.6 2.0 4.8	28 0415 1027 TH 1627 2254	5.0 1.5 5.2 1.1
5 0300 0917 TU 1508 2120	1.9 4.2 2.5 4.3	13 0323 0940 W 1540 2204	5.2 1.1 5.3 1.1	21 0423 1043 TH 1647 2247	1.4 4.6 2.0 4.8	29 0456 1102 F 1702 2333	5.0 1.5 5.2 1.1
6 0407 1022 W 1626 2229	2.0 4.1 2.5 4.3	14 0407 1022 TH 1621 2248	5.2 1.1 5.3 1.0	22 0532 1149 F 1754 2355	1.4 4.6 1.9 4.8	30 0535 1136 SA 1738	4.9 1.6 5.1
7 0511 1125 TH 1734 2332	1.9 4.2 2.4 4.4	15 0453 1105 F 1704 2334	5.2 1.2 5.3 0.9	23 0637 1249 SA 1858	1.4 4.7 1.7	31 0010 0615 SU 1208 1815	1.2 4.8 1.7 5.0
8 0608 1218 F 1829	1.8 4.4 2.2	16 0542 1150 SA 1749	5.2 1.4 5.3	24 0058 0735 SU 1341 1955	4.9 1.4 4.9 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.

TIDAL DATA RIVER TEES



HARTLEPOOL TIDE TABLES

JANUARY 2023 –
DECEMBER 2023

ENGLAND - HARTLEPOOL

LAT 54°42'N LONG 1°12'W

January 2023

TIMES AND HEIGHTS OF HIGH AND LOW WATERS

TIME ZONE UT (GMT)

Time	m	Time	m	Time	m	Time	m
1 0506 1124 SU 1728 2331	1.4 4.3 1.9 4.5	9 0459 1056 M 1702 2329	4.8 1.4 5.0 1.1	17 0455 1112 TU 1722 2331	1.6 4.3 1.9 4.4	25 0002 0608 W 1213 1811	0.3 5.3 0.9 5.6
2 0613 1227 M 1834	1.5 4.4 1.8	10 0533 1128 TU 1736	4.8 1.4 5.0	18 0604 1216 W 1833	1.5 4.4 1.7	26 0046 0656 TH 1256 1857	0.4 5.1 1.1 5.4
3 0037 0712 TU 1320 1931	4.5 1.5 4.5 1.6	11 0003 0610 W 1202 1813	1.1 4.7 1.5 4.9	19 0040 0711 TH 1315 1940	4.6 1.4 4.6 1.4	27 0131 0744 F 1340 1945	0.6 4.9 1.3 5.1
4 0135 0759 W 1407 2020	4.6 1.5 4.7 1.4	12 0038 0648 TH 1239 1851	1.2 4.6 1.6 4.8	20 0146 0811 F 1411 2040	4.8 1.2 4.9 1.0	28 0217 0834 SA 1428 2037	1.0 4.6 1.6 4.8
5 0225 0841 TH 1448 2102	4.6 1.5 4.8 1.3	13 0116 0730 F 1319 1933	1.3 4.5 1.7 4.7	21 0245 0906 SA 1503 ● 2136	5.1 1.0 5.2 0.7	29 0309 0928 SU 1526 2138	1.3 4.3 1.8 4.5
6 0308 0918 F 1524 O 2141	4.7 1.4 4.9 1.2	14 0158 0817 SA 1403 2020	1.4 4.4 1.8 4.5	22 0340 0957 SU 1552 2227	5.3 0.9 5.4 0.4	30 0411 1030 M 1638 2248	1.7 4.1 2.0 4.2
7 0347 0952 SA 1558 2218	4.8 1.4 5.0 1.1	15 0248 0910 SU 1458 C 2116	1.5 4.3 1.9 4.4	23 0431 1045 M 1639 2316	5.4 0.8 5.6 0.3	31 0528 1141 TU 1801	1.9 4.1 1.9
8 0423 1024 SU 1630 2254	4.8 1.4 5.0 1.1	16 0347 1009 M 1606 2221	1.6 4.2 2.0 4.4	24 0520 1130 TU 1725	5.4 0.8 5.6		

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

February 2023

TIMES AND HEIGHTS OF HIGH AND LOW WATERS

TIME ZONE UT (GMT)

Time	m	Time	m	Time	m	Time	m
1 0007 0644 W 1252 1913	4.1 1.9 4.2 1.8	9 0543 1143 TH 1746	4.9 1.2 5.1	17 0028 0659 F 1258 1934	4.4 1.6 4.5 1.3	25 0058 0707 SA 1305 1912	0.6 4.9 1.1 5.2
2 0121 0742 TH 1348 2008	4.2 1.8 4.4 1.5	10 0011 0617 F 1214 1819	0.9 4.8 1.3 5.0	18 0141 0804 SA 1400 2036	4.7 1.3 4.8 0.9	26 0136 0750 SU 1345 2000	1.0 4.6 1.4 4.8
3 0215 0827 F 1434 2052	4.4 1.7 4.6 1.3	11 0045 0653 SA 1248 1854	1.0 4.7 1.4 4.9	19 0241 0859 SU 1453 2130	5.0 1.1 5.2 0.5	27 0217 0838 M 1435 2057	1.5 4.3 1.7 4.3
4 0258 0905 SA 1512 2130	4.6 1.5 4.8 1.1	12 0122 0734 SU 1325 1936	1.1 4.5 1.5 4.7	20 0332 0946 M 1539 ● 2217	5.3 0.8 5.5 0.2	28 0311 0936 TU 1548 2209	1.9 4.0 2.0 4.0
5 0336 0939 SU 1545 O 2205	4.7 1.4 5.0 1.0	13 0204 0822 M 1411 C 2030	1.3 4.3 1.7 4.5	21 0418 1030 TU 1623 2301	5.4 0.7 5.7 0.1		
6 0410 1011 M 1616 2238	4.8 1.3 5.1 0.9	14 0258 0921 TU 1514 2140	1.6 4.2 1.8 4.3	22 0502 1112 W 1705 2342	5.5 0.6 5.8 0.1		
7 0442 1042 TU 1645 2310	4.9 1.2 5.1 0.9	15 0410 1031 W 1641 2304	1.7 4.1 1.9 4.2	23 0544 1151 TH 1746	5.4 0.7 5.7		
8 0512 1112 W 1715 2340	4.9 1.2 5.1 0.8	16 0536 1147 TH 1814	1.8 4.2 1.7	24 0020 0626 F 1228 1828	0.3 5.2 0.8 5.5		

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

March 2023

TIMES AND HEIGHTS OF HIGH AND LOW WATERS

TIME ZONE UT (GMT)

Time	m	Time	m	Time	m	Time	m
1 0435 W 1727 2339	2.2 3.9 2.0 3.9	9 0444 TH 1647 2313	5.0 1.0 5.2 0.7	17 0524 F 1811	1.9 4.1 1.6	25 0552 SA 1800	5.2 0.7 5.4
2 0615 TH 1853	2.2 4.0 1.8	10 0513 F 1716 2343	5.0 1.0 5.2 0.7	18 0026 SA 1246 1929	4.3 1.7 4.4 1.2	26 0023 SU 1233 1842	0.7 4.9 1.0 5.0
3 0104 F 1326 1950	4.0 2.0 4.2 1.6	11 0544 SA 1747	5.0 1.0 5.1	19 0137 SU 1347 2026	4.7 1.3 4.8 0.7	27 0056 M 1311 1928	1.1 4.6 1.3 4.6
4 0200 SA 1413 2033	4.3 1.8 4.5 1.3	12 0015 SU 1220 1824	0.8 4.9 1.1 5.0	20 0230 M 1436 2114	5.0 1.0 5.2 0.4	28 0131 TU 1357 2023	1.6 4.3 1.6 4.2
5 0240 SU 1451 2110	4.5 1.5 4.8 1.1	13 0050 M 1257 1907	1.0 4.7 1.3 4.8	21 0315 TU 1520 ● 2157	5.3 0.8 5.5 0.2	29 0215 W 1507 D 2134	2.0 4.0 1.9 3.9
6 0316 M 1524 2143	4.7 1.3 4.9 0.9	14 0131 TU 1342 2004	1.3 4.4 1.5 4.5	22 0357 W 1601 2237	5.4 0.6 5.7 0.1	30 0337 TH 1650 2307	2.3 3.8 2.0 3.7
7 0347 TU 1553 O 2214	4.9 1.2 5.1 0.8	15 0224 W 1447 C 2121	1.6 4.2 1.7 4.2	23 0437 TH 1640 2314	5.4 0.5 5.7 0.2	31 0536 F 1819	2.3 3.9 1.8
8 0416 W 1620 2244	5.0 1.0 5.1 0.7	16 0342 TH 1625 2254	1.9 4.0 1.8 4.1	24 0515 F 1720 2349	5.3 0.6 5.6 0.4		

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

April 2023

TIMES AND HEIGHTS OF HIGH AND LOW WATERS

TIME ZONE UT (GMT)

Time	m	Time	m	Time	m	Time	m
1 0033	3.9	9 0514	5.1	17 0122	4.7	25 0022	1.3
0649	2.1	1125	0.8	0730	1.3	0632	4.6
SA 1250	4.1	SU 1724	5.2	M 1326	4.9	TU 1247	1.2
1917	1.5	2350	0.8	2004	0.6	1904	4.5
2 0129	4.2	10 0549	4.9	18 0210	5.0	26 0056	1.6
0737	1.8	1201	0.9	0818	1.0	0714	4.4
SU 1339	4.4	M 1806	5.0	TU 1414	5.2	W 1333	1.5
2000	1.2			2050	0.4	1956	4.2
3 0210	4.5	11 0027	1.0	19 0253	5.2	27 0138	2.0
0815	1.5	0630	4.7	0901	0.8	0805	4.1
M 1418	4.7	TU 1241	1.1	W 1456	5.4	TH 1437	1.7
2037	1.0	1856	4.7	2131	0.3	2101	3.9
4 0245	4.7	12 0110	1.4	20 0332	5.3	28 0246	2.2
0849	1.3	0720	4.5	0941	0.7	0914	3.9
TU 1451	4.9	W 1333	1.4	TH 1536	5.5	F 1605	1.8
2111	0.8	2000	4.4	● 2209	0.3	2223	3.8
5 0315	4.9	13 0207	1.7	21 0409	5.3	29 0437	2.3
0920	1.1	0824	4.2	1019	0.6	1041	3.9
W 1520	5.0	TH 1445	1.6	F 1615	5.5	SA 1728	1.7
2142	0.7	☾ 2120	4.1	2245	0.5	2343	3.9
6 0343	5.0	14 0333	2.0	22 0444	5.2	30 0557	2.1
0951	0.9	0945	4.1	1056	0.6	1157	4.1
TH 1549	5.1	F 1627	1.6	SA 1655	5.3	SU 1828	1.5
○ 2212	0.6	2253	4.1	2318	0.7		
7 0412	5.1	15 0514	1.9	23 0519	5.1		
1021	0.8	1113	4.2	1132	0.8		
F 1617	5.2	SA 1802	1.3	SU 1735	5.1		
2243	0.6			2351	1.0		
8 0442	5.1	16 0019	4.4	24 0554	4.9		
1053	0.8	0633	1.7	1208	1.0		
SA 1649	5.2	SU 1228	4.5	M 1817	4.8		
2315	0.6	1911	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

LAT 54°42'N LONG 1°12'W

May 2023

TIMES AND HEIGHTS OF HIGH AND LOW WATERS

TIME ZONE UT (GMT)

Time	m	Time	m	Time	m	Time	m
1 0043 M 1250 1916	4.1 1.9 4.3 1.3	9 0532 TU 1802	5.0 0.8 4.9	17 0144 W 1348 2022	4.9 1.1 5.1 0.6	25 0033 TH 1316 1932	1.6 4.5 1.4 4.2
2 0127 TU 1332 1956	4.4 1.6 4.6 1.1	10 0014 W 1239 1859	1.1 4.8 1.0 4.7	18 0227 TH 1433 2104	5.0 1.0 5.2 0.6	26 0115 F 1410 2027	1.8 4.3 1.6 4.1
3 0203 W 1409 2032	4.6 1.3 4.8 0.9	11 0103 TH 1338 2005	1.4 4.6 1.2 4.4	19 0306 F 1515 ● 2142	5.1 0.8 5.2 0.7	27 0211 SA 1514 D 2130	2.0 4.2 1.7 4.0
4 0235 TH 1442 2106	4.8 1.1 5.0 0.7	12 0206 F 1454 C 2121	1.7 4.4 1.3 4.3	20 0343 SA 1555 2218	5.1 0.8 5.2 0.8	28 0328 SU 1623 2238	2.1 4.1 1.7 4.0
5 0307 F 1516 O 2140	5.0 1.0 5.1 0.6	13 0328 SA 1618 2242	1.9 4.3 1.3 4.3	21 0418 SU 1636 2252	5.0 0.8 5.1 1.0	29 0446 M 1725 2339	2.1 4.1 1.6 4.1
6 0340 SA 1551 2215	5.1 0.8 5.2 0.6	14 0451 SU 1737 2356	1.8 4.4 1.1 4.4	22 0452 M 1717 2325	5.0 0.9 4.9 1.2	30 0548 TU 1819	1.9 4.3 1.4
7 0414 SU 1630 2252	5.1 0.8 5.2 0.7	15 0602 M 1842	1.6 4.6 0.9	23 0527 TU 1759 2357	4.9 1.0 4.7 1.4	31 0030 W 1239 1907	4.3 1.7 4.5 1.2
8 0451 M 1713 2331	5.1 0.8 5.1 0.9	16 0055 TU 1259 1935	4.7 1.4 4.9 0.7	24 0606 W 1844	4.7 1.2 4.5		

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 2023

TIMES AND HEIGHTS OF HIGH AND LOW WATERS

TIME ZONE UT (GMT)

Time	m	Time	m	Time	m	Time	m
1 0114 4.5 0725 1.5 TH 1324 4.7 1950 1.0		9 0103 1.3 0706 4.9 F 1343 0.9 2002 4.6		17 0245 4.8 0857 1.1 SA 1501 4.9 2121 1.1		25 0139 1.8 0756 4.4 SU 1425 1.5 2041 4.2	
2 0154 4.7 0807 1.2 F 1407 4.9 2031 0.9		10 0203 1.5 0806 4.8 SA 1447 1.0 ☾ 2107 4.5		18 0324 4.9 0939 1.0 SU 1544 4.9 ● 2158 1.2		26 0231 1.9 0849 4.3 M 1519 1.6 ☽ 2136 4.1	
3 0233 4.9 0849 1.0 SA 1449 5.0 2112 0.8		11 0309 1.7 0913 4.7 SU 1554 1.1 2214 4.4		19 0400 4.9 1019 1.0 M 1625 4.8 2233 1.3		27 0333 2.0 0947 4.3 TU 1617 1.6 2234 4.1	
4 0313 5.0 0932 0.9 SU 1534 5.1 ☉ 2155 0.8		12 0417 1.7 1022 4.6 M 1702 1.1 2321 4.4		20 0434 4.9 1059 1.0 TU 1704 4.8 2307 1.3		28 0440 2.0 1048 4.3 W 1717 1.5 2331 4.2	
5 0354 5.1 1016 0.7 M 1621 5.2 2238 0.8		13 0524 1.6 1129 4.7 TU 1807 1.1		21 0509 4.9 1137 1.0 W 1744 4.7 2341 1.4		29 0542 1.8 1148 4.4 TH 1815 1.4	
6 0437 5.2 1102 0.7 TU 1711 5.1 2323 0.9		14 0022 4.5 0627 1.5 W 1230 4.7 1905 1.1		22 0546 4.8 1216 1.1 TH 1824 4.6		30 0026 4.4 0640 1.6 F 1245 4.6 1911 1.3	
7 0523 5.1 1151 0.7 W 1804 5.0		15 0116 4.6 0722 1.4 TH 1326 4.8 1956 1.1		23 0016 1.5 0626 4.7 F 1256 1.2 1906 4.4			
8 0011 1.1 0612 5.0 TH 1244 0.8 1901 4.8		16 0203 4.8 0812 1.2 F 1416 4.9 2040 1.1		24 0055 1.7 0709 4.6 SA 1338 1.4 1951 4.3			

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.

ENGLAND - HARTLEPOOL

LAT 54°42'N LONG 1°12'W

July 2023

TIMES AND HEIGHTS OF HIGH AND LOW WATERS

TIME ZONE UT (GMT)

Time	m	Time	m	Time	m	Time	m
1 0118 0734 SA 1339 2003	4.6 1.4 4.8 1.1	9 0145 0747 SU 1424 2040	1.3 5.1 0.8 4.7	17 0311 0930 M 1536 ● 2145	4.8 1.1 4.8 1.4	25 0146 0801 TU 1427 D 2045	1.7 4.6 1.4 4.3
2 0207 0827 SU 1432 2054	4.8 1.1 5.0 1.0	10 0239 0844 M 1521 C 2138	1.5 4.9 1.0 4.5	18 0348 1009 TU 1614 2219	4.9 1.0 4.8 1.4	26 0234 0853 W 1520 2140	1.8 4.4 1.6 4.2
3 0254 0918 M 1524 O 2143	5.0 0.9 5.1 0.9	11 0339 0947 TU 1623 2240	1.6 4.7 1.3 4.4	19 0421 1045 W 1650 2252	5.0 1.0 4.8 1.3	27 0335 0955 TH 1624 2242	1.9 4.3 1.7 4.2
4 0341 1009 TU 1616 2232	5.2 0.7 5.2 0.9	12 0445 1054 W 1730 2346	1.7 4.5 1.4 4.3	20 0454 1121 TH 1725 2324	5.0 1.0 4.8 1.3	28 0450 1105 F 1734 2347	1.9 4.3 1.7 4.2
5 0428 1100 W 1707 2320	5.3 0.5 5.3 0.9	13 0555 1204 TH 1837	1.7 4.5 1.5	21 0526 1155 F 1759 2356	5.0 1.0 4.8 1.4	29 0605 1217 SA 1843	1.8 4.4 1.5
6 0515 1150 TH 1759	5.4 0.4 5.2	14 0049 0701 F 1310 1936	4.4 1.6 4.5 1.5	22 0601 1228 SA 1836	4.9 1.1 4.7	30 0050 0714 SU 1324 1947	4.4 1.5 4.7 1.4
7 0007 0603 F 1240 1852	1.0 5.4 0.5 5.1	15 0144 0758 SA 1407 2025	4.5 1.4 4.6 1.5	23 0029 0638 SU 1304 1914	1.5 4.8 1.2 4.6	31 0148 0816 M 1423 2043	4.7 1.2 4.9 1.2
8 0055 0654 SA 1331 1945	1.1 5.3 0.6 4.9	16 0231 0847 SU 1455 2107	4.7 1.3 4.7 1.4	24 0106 0717 M 1342 1957	1.6 4.7 1.3 4.4		

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

August 2023

TIMES AND HEIGHTS OF HIGH AND LOW WATERS

TIME ZONE UT (GMT)

Time	m	Time	m	Time	m	Time	m
1 0240	5.0	9 0258	1.6	17 0404	5.1	25 0246	1.9
TU 0912	0.8	0910	4.6	1026	0.9	0913	4.3
0 1517	5.2	W 1540	1.6	TH 1630	4.9	F 1540	1.9
0 2135	1.0	2157	4.2	2232	1.2	2201	4.1
2 0329	5.3	10 0406	1.8	18 0433	5.1	26 0410	2.0
1004	0.5	1021	4.3	1057	0.9	1037	4.2
W 1608	5.4	TH 1653	1.8	F 1700	5.0	SA 1706	1.9
2223	0.8	2307	4.1	2301	1.2	2317	4.1
3 0415	5.5	11 0529	1.9	19 0502	5.1	27 0546	1.8
1052	0.3	1143	4.2	1127	0.9	1203	4.3
TH 1656	5.5	F 1816	1.9	SA 1729	5.0	SU 1830	1.8
2309	0.8			2331	1.2		
4 0501	5.7	12 0024	4.2	20 0531	5.1	28 0031	4.4
1139	0.2	0649	1.7	1157	0.9	0706	1.5
F 1743	5.5	SA 1303	4.3	SU 1801	4.9	M 1317	4.6
2352	0.8	1923	1.9			1938	1.5
5 0546	5.7	13 0128	4.4	21 0001	1.3	29 0134	4.8
1224	0.2	0751	1.5	0603	5.0	0809	1.0
SA 1830	5.3	SU 1401	4.4	M 1228	1.0	TU 1416	5.0
		2013	1.7	1836	4.8	2033	1.2
6 0034	0.9	14 0217	4.6	22 0033	1.4	30 0226	5.2
0632	5.6	0838	1.3	0637	4.9	0902	0.6
SU 1307	0.4	M 1446	4.6	TU 1303	1.2	W 1506	5.3
1917	5.1	2054	1.6	1914	4.6	2121	0.9
7 0117	1.1	15 0258	4.8	23 0107	1.5	31 0313	5.5
0719	5.3	0917	1.1	0716	4.7	0950	0.3
M 1353	0.8	TU 1524	4.8	W 1343	1.4	TH 1552	5.5
2005	4.8	2129	1.4	1958	4.4	0 2206	0.7
8 0204	1.3	16 0333	5.0	24 0149	1.7		
0811	5.0	0953	1.0	0806	4.5		
TU 1442	1.2	W 1558	4.9	TH 1433	1.7		
0 2058	4.5	● 2202	1.3	0 2053	4.2		

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 September 2023

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 0357 1035 F 1636 2248	5.8 0.1 5.6 0.6	9 0508 1125 SA 1755 2357	2.0 4.0 2.2 4.0	17 0432 1055 SU 1656 2302	5.2 0.8 5.1 1.1	25 0540 1158 M 1820	1.7 4.3 1.9
2 0439 1117 SA 1719 2328	5.9 0.1 5.6 0.6	10 0636 1252 SU 1905	1.8 4.1 2.1	18 0459 1124 M 1726 2332	5.2 0.8 5.1 1.1	26 0014 0658 TU 1309 1923	4.4 1.3 4.7 1.5
3 0521 1157 SU 1801	5.8 0.2 5.4	11 0107 0735 M 1346 1953	4.3 1.5 4.4 1.8	19 0529 1155 TU 1758	5.1 1.0 4.9	27 0116 0755 W 1402 2014	4.9 0.9 5.1 1.2
4 0006 0604 M 1236 1843	0.7 5.7 0.5 5.2	12 0156 0818 TU 1426 2032	4.6 1.3 4.6 1.6	20 0003 0603 W 1229 1835	1.2 5.0 1.2 4.8	28 0207 0843 TH 1448 2059	5.3 0.5 5.4 0.9
5 0045 0649 TU 1316 1927	1.0 5.4 0.9 4.8	13 0235 0854 W 1501 2105	4.9 1.1 4.8 1.4	21 0037 0644 TH 1308 1918	1.4 4.8 1.5 4.5	29 0251 0928 F 1530 2141	5.6 0.2 5.6 0.7
6 0127 0738 W 1400 2015	1.3 4.9 1.4 4.5	14 0308 0927 TH 1533 2136	5.0 0.9 5.0 1.2	22 0119 0738 F 1357 2015	1.6 4.5 1.8 4.3	30 0333 1010 SA 1610 2221	5.8 0.1 5.6 0.6
7 0218 0836 TH 1454 2113	1.6 4.5 1.9 4.2	15 0338 0958 F 1602 ● 2205	5.2 0.8 5.1 1.1	23 0218 0852 SA 1510 2130	1.8 4.2 2.0 4.1		
8 0329 0951 F 1615 2228	1.9 4.1 2.2 4.0	16 0406 1027 SA 1629 2233	5.2 0.8 5.1 1.1	24 0353 1025 SU 1652 2255	1.9 4.1 2.1 4.1		

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

October 2023

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 0413 SU 1650 2300	5.9 0.2 5.6 0.6	9 0605 1223 M 1832 O	1.8 4.1 2.2	17 0431 1054 TU 1654 2307	5.2 0.9 5.2 1.0	25 0636 1251 W 1857	1.1 4.8 1.6
2 0454 1127 M 1729 2338	5.8 0.4 5.4 0.7	10 0031 0702 TU 1316 1921	4.3 1.6 4.4 1.9	18 0504 1127 W 1728 2341	5.2 1.0 5.0 1.1	26 0052 0731 TH 1340 1948	5.0 0.8 5.1 1.2
3 0536 1203 TU 1807	5.6 0.8 5.1	11 0122 0744 W 1355 1959	4.5 1.3 4.6 1.7	19 0543 1203 TH 1807	5.0 1.2 4.8	27 0142 0818 F 1424 2033	5.3 0.5 5.3 1.0
4 0016 0621 W 1239 1848	1.0 5.2 1.2 4.8	12 0201 0820 TH 1429 2033	4.8 1.1 4.8 1.4	20 0019 0631 F 1244 1854	1.3 4.8 1.5 4.6	28 0227 0902 SA 1505 O 2115	5.5 0.4 5.5 0.8
5 0057 0710 TH 1318 1933	1.3 4.8 1.6 4.5	13 0235 0854 F 1500 2105	5.0 0.9 5.0 1.2	21 0107 0731 SA 1337 1953	1.5 4.5 1.9 4.4	29 0309 0942 SU 1544 2156	5.7 0.4 5.5 0.7
6 0146 0807 F 1406 C 2028	1.6 4.3 2.1 4.2	14 0306 0924 SA 1528 ● 2135	5.1 0.8 5.1 1.1	22 0213 0848 SU 1455 D 2109	1.7 4.2 2.1 4.2	30 0350 1021 M 1621 2235	5.7 0.5 5.4 0.7
7 0257 0922 SA 1532 2145	1.9 4.0 2.4 4.0	15 0334 0954 SU 1555 2204	5.2 0.8 5.2 1.0	23 0351 1019 M 1637 2234	1.7 4.2 2.1 4.3	31 0432 1057 TU 1659 2314	5.5 0.8 5.3 0.8
8 0439 1058 SU 1721 2318	2.0 3.9 2.4 4.0	16 0401 1023 M 1623 2235	5.2 0.8 5.2 1.0	24 0526 1146 TU 1757 2351	1.5 4.4 1.9 4.6		

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 November 2023

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 0515 1133 W 1736 2353	5.3 1.1 5.1 1.0	9 0033 0700 TH 1312 1918	4.4 1.4 4.5 1.8	17 0538 1148 F 1753	5.0 1.3 5.0	25 0116 0752 SA 1359 2007	5.1 0.8 5.1 1.1
2 0559 1208 TH 1815	5.0 1.4 4.9	10 0117 0740 F 1349 1955	4.6 1.2 4.7 1.6	18 0015 0631 SA 1234 1843	1.1 4.8 1.6 4.8	26 0205 0837 SU 1441 2053	5.3 0.8 5.2 1.0
3 0035 0648 F 1244 1859	1.3 4.6 1.8 4.6	11 0155 0816 SA 1421 2029	4.8 1.1 4.9 1.3	19 0109 0733 SU 1331 1942	1.3 4.5 1.8 4.6	27 0250 0918 M 1521 O 2136	5.3 0.8 5.2 0.9
4 0124 0743 SA 1328 1950	1.5 4.3 2.1 4.3	12 0229 0849 SU 1452 2103	5.0 1.0 5.1 1.2	20 0217 0844 M 1446 D 2052	1.4 4.4 2.0 4.5	28 0334 0958 TU 1559 2217	5.3 0.9 5.2 0.9
5 0228 0850 SU 1438 C 2057	1.8 4.0 2.4 4.1	13 0302 0921 M 1523 ● 2137	5.1 0.9 5.2 1.1	21 0337 1002 TU 1609 2208	1.4 4.3 2.0 4.5	29 0418 1035 W 1636 2258	5.2 1.1 5.2 0.9
6 0351 1011 M 1621 2221	1.9 3.9 2.4 4.1	14 0336 0955 TU 1556 2212	5.2 0.9 5.2 1.0	22 0456 1118 W 1722 2320	1.3 4.5 1.9 4.7	30 0501 1111 TH 1713 2338	5.0 1.3 5.1 1.0
7 0512 1130 TU 1740 2337	1.8 4.0 2.3 4.2	15 0412 1030 W 1631 2250	5.2 0.9 5.2 1.0	23 0604 1221 TH 1825	1.1 4.7 1.6		
8 0613 1229 W 1834	1.6 4.3 2.0	16 0452 1107 TH 1710 2330	5.1 1.1 5.1 1.0	24 0022 0702 F 1313 1919	4.9 0.9 4.9 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 December 2023

LAT 54°42'N LONG 1°12'W

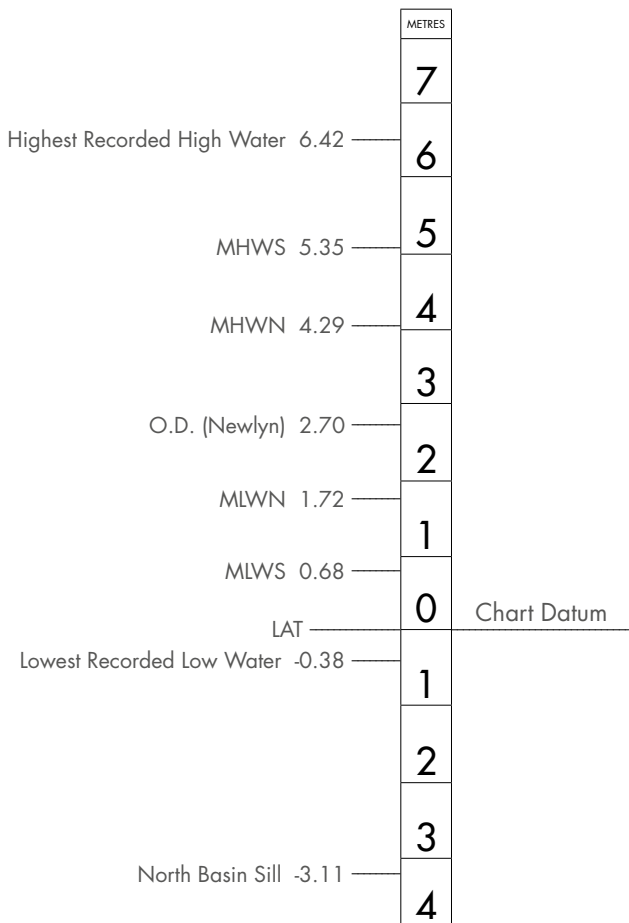
TIMES AND HEIGHTS OF HIGH AND LOW WATERS

TIME ZONE UT (GMT)

Time	m	Time	m	Time	m	Time	m
1 0544 1145 F 1751	4.8 1.5 4.9	9 0022 0651 SA 1259 1910	4.4 1.5 4.5 1.7	17 0017 0631 SU 1232 1835	0.8 4.9 1.4 5.1	25 0151 0819 M 1424 2039	4.9 1.2 4.9 1.2
2 0020 0630 SA 1221 1833	1.2 4.6 1.7 4.8	10 0110 0734 SU 1340 1953	4.6 1.3 4.7 1.5	18 0110 0728 M 1326 1929	0.9 4.8 1.6 5.0	26 0242 0903 TU 1507 2125	4.9 1.2 5.0 1.1
3 0105 0718 SU 1301 1920	1.4 4.4 2.0 4.6	11 0154 0815 M 1418 2034	4.8 1.2 4.9 1.3	19 0208 0829 TU 1426 2030	1.0 4.6 1.7 4.8	27 0329 0943 W 1546 2208	4.9 1.3 5.1 1.0
4 0155 0812 M 1352 2013	1.6 4.2 2.1 4.4	12 0236 0854 TU 1457 ● 2116	4.9 1.1 5.0 1.1	20 0311 0933 W 1533 2135	1.1 4.5 1.8 4.7	28 0411 1021 TH 1623 2248	4.9 1.3 5.1 1.0
5 0254 0913 TU 1502 2116	1.7 4.1 2.3 4.2	13 0319 0934 W 1536 2158	5.1 1.0 5.2 1.0	21 0417 1039 TH 1641 2243	1.2 4.5 1.8 4.7	29 0452 1056 F 1658 2327	4.9 1.4 5.1 1.0
6 0401 1018 W 1620 2225	1.8 4.0 2.3 4.2	14 0403 1016 TH 1617 2242	5.1 1.0 5.2 0.9	22 0526 1145 F 1748 2351	1.3 4.5 1.7 4.7	30 0531 1130 SA 1734	4.8 1.5 5.0
7 0505 1121 TH 1728 2328	1.7 4.1 2.2 4.3	15 0449 1059 F 1700 2328	5.1 1.1 5.2 0.8	23 0631 1245 SA 1852	1.2 4.6 1.6	31 0004 0611 SU 1202 1811	1.1 4.7 1.6 4.9
8 0602 1214 F 1823	1.6 4.3 2.0	16 0538 1144 SA 1745	5.1 1.2 5.2	24 0054 0729 SU 1337 1949	4.8 1.2 4.8 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.

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

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	+0.2
-4.00	2.0	+0.8	-5.00	2.2	+0.4
-3.00	3.3	+1.3	-4.00	2.6	+0.6
-2.00	4.4	+1.1	-3.00	3.2	+0.6
-1.00	5.2	+0.8	-2.00	3.8	+0.4
HW	5.5	+0.3	-1.00	4.2	+0.1
+1.00	5.2	-0.3	HW	4.3	-0.1
+2.00	4.4	-0.8	+1.00	4.2	-0.4
+3.00	3.3	-1.1	+2.00	3.8	-0.6
+4.00	2.3	-1.0	+3.00	3.2	-0.5
+5.00	1.4	-0.9	+4.00	2.7	-0.4
+6.00	1.0	-0.4	+5.00	2.3	-0.2
+6.40	0.9	-0.1	+6.00	2.1	-0.1
			+6.30	2.0	

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

NOTES

For further information:
Harbour Office (24 hours): +44 1642 277 205/6
Commercial Department: +44 1642 877 000
www.pdports.co.uk