



TEESPORT TIDE TABLES 2024

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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 31st March and ends 27th 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, Exolum, 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) 0345 6081341 provide a towing service for the Ports of Tees and Hartlepool. SMS 01642 917777 also 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 2024 –
DECEMBER 2024

RIVER TEES ENTRANCE

LAT 54°38'N LONG 1°09'W

January 2024

TIMES AND HEIGHTS OF HIGH AND LOW WATERS

TIME ZONE UT (GMT)

Time	m	Time	m	Time	m	Time	m
1 0048 M 1243 1855	1.3 4.7 1.9 4.9	9 0128 TU 1354 2018	4.6 1.6 4.8 1.6	17 0152 W 1404 2007	0.8 4.9 1.5 5.2	25 0330 TH 1542 O 2207	4.8 1.6 5.1 1.1
2 0126 TU 1322 1939	1.5 4.5 2.0 4.7	10 0222 W 1441 2109	4.9 1.4 5.0 1.2	18 0244 TH 1459 D 2105	1.1 4.7 1.8 4.9	26 0408 F 1616 2243	4.9 1.5 5.2 1.0
3 0207 W 1407 2027	1.6 4.4 2.2 4.5	11 0312 TH 1526 ● 2158	5.1 1.2 5.2 0.9	19 0342 F 1604 2211	1.4 4.5 2.0 4.7	27 0444 SA 1648 2316	5.0 1.5 5.2 1.0
4 0254 TH 1502 C 2121	1.8 4.3 2.3 4.4	12 0401 F 1611 2245	5.2 1.1 5.4 0.7	20 0451 SA 1719 2325	1.7 4.4 2.0 4.5	28 0517 SU 1719 2348	5.0 1.4 5.2 1.0
5 0350 F 1609 2222	1.9 4.2 2.4 4.3	13 0449 SA 1655 2332	5.3 1.1 5.5 0.5	21 0609 SU 1838	1.8 4.4 1.9	29 0549 M 1751	4.9 1.5 5.2
6 0454 SA 1721 2327	2.0 4.2 2.3 4.3	14 0536 SU 1740	5.4 1.1 5.6	22 0044 M 1325 1947	4.5 1.8 4.5 1.7	30 0019 TU 1217 1825	1.1 4.8 1.5 5.1
7 0559 SU 1826	1.9 4.4 2.1	15 0018 M 1230 1826	0.5 5.3 1.2 5.6	23 0153 TU 1419 2042	4.6 1.8 4.7 1.5	31 0050 W 1250 1901	1.2 4.7 1.6 4.9
8 0030 M 1304 1925	4.5 1.7 4.5 1.9	16 0104 TU 1315 1914	0.6 5.1 1.3 5.4	24 0246 W 1503 2128	4.7 1.7 4.9 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

February 2024

TIMES AND HEIGHTS OF HIGH AND LOW WATERS

TIME ZONE UT (GMT)

Time	m	Time	m	Time	m	Time	m
1 0123 TH 0735 1325 1940	1.4 4.6 1.8 4.7	9 0302 0920 F 1512 ● 2149	5.1 1.2 5.3 0.7	17 0300 0920 SA 1523 2140	1.6 4.4 1.9 4.5	25 0423 1027 SU 1628 2252	5.0 1.3 5.2 0.9
2 0201 0819 F 1406 ☾ 2026	1.6 4.4 2.0 4.5	10 0350 1006 SA 1557 2235	5.3 1.0 5.6 0.4	18 0410 1028 SU 1648 2303	2.0 4.1 2.1 4.2	26 0451 1055 M 1655 2320	5.0 1.2 5.3 0.9
3 0247 0910 SA 1458 2123	1.8 4.2 2.2 4.3	11 0436 1049 SU 1640 2319	5.5 0.8 5.8 0.2	19 0546 1153 M 1830	2.2 4.1 2.0	27 0519 1122 TU 1723 2347	5.0 1.2 5.2 0.9
4 0347 1012 SU 1611 2234	2.0 4.1 2.3 4.2	12 0520 1131 M 1722	5.6 0.8 5.9	20 0040 0712 TU 1312 1945	4.2 2.2 4.3 1.7	28 0547 1150 W 1752	5.0 1.2 5.1
5 0504 1121 M 1739 2353	2.1 4.1 2.2 4.2	13 0001 0604 TU 1211 1806	0.2 5.5 0.8 5.8	21 0152 0808 W 1407 2037	4.4 2.0 4.6 1.4	29 0015 0618 TH 1219 1824	1.0 4.9 1.4 5.0
6 0625 1230 TU 1859	2.0 4.3 1.9	14 0042 0648 W 1251 1850	0.3 5.3 1.0 5.6	22 0240 0851 TH 1451 2117	4.6 1.8 4.8 1.2		
7 0107 0734 W 1331 2005	4.5 1.8 4.6 1.5	15 0124 0734 TH 1333 1939	0.6 5.0 1.2 5.3	23 0318 0926 F 1527 2151	4.8 1.6 5.0 1.0		
8 0210 0831 TH 1425 2100	4.8 1.5 4.9 1.1	16 0209 0823 F 1421 ☽ 2033	1.1 4.7 1.6 4.9	24 0352 0958 SA 1559 ☉ 2222	4.9 1.4 5.2 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.

RIVER TEES ENTRANCE

LAT 54°38'N LONG 1°09'W

March 2024

TIMES AND HEIGHTS OF HIGH AND LOW WATERS

TIME ZONE UT (GMT)

Time	m	Time	m	Time	m	Time	m
1 0046 0652 F 1251 1859	1.2 4.7 1.5 4.8	9 0246 0903 SA 1452 2132	5.1 1.1 5.4 0.4	17 0222 0840 SU 1453 2116	1.8 4.3 1.8 4.3	25 0354 0959 M 1600 2221	5.0 1.2 5.2 0.8
2 0121 0731 SA 1327 1941	1.5 4.5 1.7 4.6	10 0331 0946 SU 1535 ● 2216	5.4 0.8 5.7 0.1	18 0331 0951 M 1626 2246	2.3 4.0 2.1 4.0	26 0420 1026 TU 1626 2248	5.1 1.1 5.2 0.8
3 0202 0819 SU 1414 ☾ 2039	1.8 4.3 2.0 4.3	11 0414 1028 M 1617 2257	5.6 0.6 5.9 0.0	19 0522 1124 TU 1816	2.5 4.0 2.0	27 0445 1054 W 1653 2315	5.1 1.1 5.2 0.9
4 0258 0923 M 1523 2158	2.1 4.1 2.2 4.1	12 0456 1108 TU 1659 2337	5.6 0.5 6.0 0.1	20 0029 0652 W 1248 1926	4.0 2.3 4.2 1.7	28 0513 1122 TH 1721 2344	5.1 1.1 5.1 1.0
5 0423 1041 TU 1707 2329	2.3 4.0 2.2 4.1	13 0537 1146 W 1741	5.5 0.6 5.9	21 0135 0747 TH 1344 2014	4.3 2.1 4.5 1.4	29 0543 1152 F 1753	5.0 1.2 5.0
6 0603 1201 W 1843	2.2 4.2 1.8	14 0015 0618 TH 1225 1826	0.3 5.3 0.8 5.6	22 0219 0827 F 1425 2051	4.5 1.8 4.8 1.2	30 0015 0616 SA 1224 1831	1.2 4.8 1.4 4.8
7 0052 0719 TH 1310 1951	4.4 1.9 4.5 1.4	15 0054 0701 F 1305 1914	0.7 5.0 1.1 5.2	23 0254 0900 SA 1501 2123	4.7 1.5 5.0 1.0	31 0050 0654 SU 1302 1917	1.5 4.6 1.6 4.5
8 0156 0815 F 1405 2045	4.8 1.5 5.0 0.8	16 0134 0746 SA 1351 2008	1.2 4.7 1.4 4.7	24 0325 0931 SU 1532 2153	4.9 1.3 5.1 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.

RIVER TEES ENTRANCE

LAT 54°38'N LONG 1°09'W

April 2024

TIMES AND HEIGHTS OF HIGH AND LOW WATERS

TIME ZONE UT (GMT)

Time	m	Time	m	Time	m	Time	m
1 0131 1.8 0743 4.3 M 1352 1.8 2020 4.3		9 0348 5.6 1002 0.6 TU 1552 5.9 2231 0.1		17 0443 2.5 1045 4.0 W 1738 1.9 2353 4.0		25 0413 5.1 1027 1.0 TH 1625 5.1 2245 0.9	
2 0228 2.1 0850 4.1 TU 1505 2.0 ☾ 2142 4.1		10 0428 5.6 1042 0.5 W 1635 5.8 2310 0.2		18 0609 2.4 1207 4.2 TH 1845 1.7		26 0443 5.1 1058 1.1 F 1658 5.1 2317 1.0	
3 0400 2.3 1012 4.1 W 1652 2.0 2314 4.1		11 0508 5.5 1122 0.5 TH 1719 5.7 2348 0.5		19 0057 4.2 0706 2.1 F 1304 4.4 1933 1.4		27 0515 5.0 1132 1.1 SA 1735 4.9 2352 1.2	
4 0542 2.2 1134 4.3 TH 1823 1.6		12 0548 5.3 1202 0.7 F 1805 5.4		20 0142 4.5 0748 1.8 SA 1348 4.7 2012 1.2		28 0552 4.9 1209 1.3 SU 1818 4.8	
5 0035 4.4 0655 1.8 F 1244 4.6 1928 1.1		13 0026 1.0 0630 5.0 SA 1244 1.0 1855 5.0		21 0218 4.7 0824 1.6 su 1425 4.9 2046 1.1		29 0030 1.5 0634 4.7 M 1252 1.4 1912 4.5	
6 0135 4.8 0749 1.4 SA 1339 5.1 2020 0.7		14 0105 1.5 0714 4.7 su 1332 1.4 1950 4.6		22 0250 4.8 0856 1.4 M 1457 5.0 2117 1.0		30 0116 1.8 0726 4.5 TU 1348 1.6 2017 4.3	
7 0223 5.2 0836 1.1 su 1426 5.4 2107 0.3		15 0151 2.0 0806 4.3 M 1435 1.7 ☽ 2057 4.2		23 0319 5.0 0927 1.2 TU 1527 5.1 ☉ 2147 0.9			
8 0306 5.4 0920 0.8 M 1510 5.7 ● 2150 0.1		16 0259 2.4 0916 4.1 TU 1603 1.9 2222 3.9		24 0345 5.0 0957 1.1 W 1556 5.1 2215 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.

RIVER TEES ENTRANCE

LAT 54°38'N LONG 1°09'W

May 2024

TIMES AND HEIGHTS OF HIGH AND LOW WATERS

TIME ZONE UT (GMT)

Time	m	Time	m	Time	m	Time	m
1 0217 2.1 0832 4.3 W 1505 1.7 C 2134 4.2		9 0403 5.4 1020 0.6 TH 1617 5.6 2246 0.6		17 0507 2.4 1109 4.2 F 1747 1.7		25 0421 5.1 1041 1.1 SA 1645 5.0 2259 1.2	
2 0346 2.2 0949 4.3 TH 1635 1.6 2255 4.3		10 0443 5.3 1103 0.7 F 1703 5.4 2326 0.9		18 0000 4.1 0610 2.2 SA 1210 4.3 1841 1.6		26 0458 5.0 1121 1.1 SU 1729 4.9 2339 1.3	
3 0512 2.1 1106 4.5 F 1753 1.3		11 0524 5.2 1146 0.8 SA 1751 5.1		19 0051 4.3 0700 2.0 SU 1300 4.5 1925 1.4		27 0539 5.0 1205 1.1 M 1817 4.8	
4 0008 4.5 0621 1.8 SA 1213 4.8 1856 1.0		12 0004 1.2 0606 5.0 SU 1230 1.0 1841 4.8		20 0133 4.5 0741 1.7 M 1342 4.7 2004 1.3		28 0022 1.5 0625 4.9 TU 1254 1.2 1912 4.7	
5 0106 4.8 0717 1.4 SU 1309 5.1 1950 0.7		13 0045 1.6 0650 4.7 M 1320 1.3 1934 4.5		21 0208 4.7 0819 1.5 TU 1420 4.8 2039 1.2		29 0112 1.7 0717 4.7 W 1352 1.3 2013 4.5	
6 0155 5.1 0806 1.1 M 1358 5.4 2038 0.5		14 0130 2.0 0740 4.5 TU 1418 1.6 2034 4.2		22 0241 4.9 0854 1.3 W 1455 4.9 2113 1.1		30 0213 1.9 0818 4.6 TH 1459 1.3 C 2120 4.4	
7 0239 5.3 0853 0.9 TU 1445 5.6 2123 0.4		15 0229 2.3 0841 4.3 W 1527 1.8 D 2144 4.0		23 0313 5.0 0929 1.2 TH 1530 5.0 O 2147 1.1		31 0325 2.0 0926 4.6 F 1610 1.3 2229 4.5	
8 0322 5.4 0937 0.7 W 1531 5.6 ● 2205 0.5		16 0349 2.4 0955 4.2 TH 1641 1.8 2256 4.0		24 0346 5.0 1004 1.1 F 1606 5.0 2222 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

LAT 54°38'N LONG 1°09'W

June 2024

TIMES AND HEIGHTS OF HIGH AND LOW WATERS

TIME ZONE UT (GMT)

Time	m	Time	m	Time	m	Time	m
1 0437 SA 1718 2335	1.9 4.7 1.2 4.6	9 0506 SU 1740 2349	5.1 0.9 5.0 1.4	17 0600 M 1830	2.1 4.4 1.7	25 0530 TU 1814	5.2 0.8 5.0
2 0543 SU 1821	1.7 4.9 1.1	10 0547 M 1826	5.0 1.0 4.8	18 0039 TU 1256 1919	4.4 2.0 4.5 1.6	26 0019 W 1253 1905	1.3 5.2 0.8 4.9
3 0034 M 1241 1919	4.8 1.5 5.0 0.9	11 0028 TU 1305 1914	1.7 4.9 1.2 4.6	19 0124 W 1344 2003	4.5 1.7 4.6 1.5	27 0107 TH 1345 1959	1.5 5.1 0.9 4.8
4 0127 TU 1336 2012	4.9 1.3 5.2 0.9	12 0109 W 1352 2003	1.9 4.7 1.4 4.4	20 0206 TH 1428 2045	4.7 1.5 4.8 1.3	28 0159 F 1440 2056	1.6 5.0 1.0 4.7
5 0216 W 1428 2100	5.1 1.1 5.3 0.9	13 0154 TH 1444 2056	2.1 4.6 1.6 4.2	21 0246 F 1512 2126	4.9 1.3 4.9 1.3	29 0257 SA 1539 2157	1.7 4.9 1.2 4.6
6 0301 TH 1518 ● 2146	5.2 0.9 5.3 0.9	14 0249 F 1540 2153	2.2 4.4 1.7 4.1	22 0326 SA 1555 2208	5.0 1.1 5.0 1.2	30 0401 SU 1643 2300	1.8 4.8 1.3 4.5
7 0344 F 1606 2229	5.2 0.8 5.3 1.1	15 0353 SA 1639 2251	2.3 4.3 1.8 4.1	23 0406 SU 1639 2251	5.1 1.0 5.1 1.2		
8 0426 SA 1654 2310	5.2 0.8 5.1 1.2	16 0459 SU 1737 2348	2.3 4.3 1.8 4.2	24 0447 M 1725 2334	5.2 0.9 5.1 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

July 2024

TIMES AND HEIGHTS OF HIGH AND LOW WATERS

TIME ZONE UT (GMT)

Time	m	Time	m	Time	m	Time	m
1 0507 M 1112 1749	1.8 4.8 1.4	9 0530 TU 1203 1806	5.1 1.0 4.9	17 0603 W 1214 1836	2.2 4.3 1.9	25 0008 TH 0601 1239 1847	1.0 5.6 0.5 5.3
2 0004 TU 0615 1219 1855	4.6 1.7 4.8 1.4	10 0008 W 0607 1241 1845	1.5 5.1 1.1 4.8	18 0043 TH 0706 1315 1935	4.4 1.9 4.5 1.7	26 0051 F 0646 1325 1935	1.1 5.5 0.6 5.1
3 0105 W 0720 1324 1955	4.7 1.5 4.9 1.4	11 0041 TH 0645 1318 1924	1.7 5.0 1.3 4.6	19 0137 F 0801 1409 2026	4.6 1.7 4.7 1.5	27 0136 SA 0735 1413 2026	1.3 5.3 0.9 4.8
4 0200 TH 0819 1423 2048	4.8 1.3 5.0 1.4	12 0116 F 0727 1356 2006	1.8 4.8 1.5 4.5	20 0225 SA 0852 1458 2113	4.8 1.3 4.9 1.4	28 0225 SU 0831 1506 2122	1.5 5.1 1.2 4.6
5 0250 F 0912 1515 ● 2135	5.0 1.1 5.0 1.3	13 0155 SA 0812 1439 ☾ 2052	1.9 4.6 1.7 4.3	21 0310 su 0939 1545 ○ 2159	5.1 1.0 5.1 1.2	29 0325 M 0934 1609 2226	1.8 4.8 1.6 4.4
6 0334 SA 0959 1602 2218	5.1 1.0 5.1 1.4	14 0242 su 0903 1528 2144	2.1 4.4 1.8 4.2	22 0353 M 1026 1630 2243	5.3 0.8 5.3 1.1	30 0436 TU 1048 1724 2338	1.9 4.6 1.8 4.4
7 0415 su 1043 1646 2257	5.1 0.9 5.0 1.4	15 0342 M 1002 1627 2243	2.2 4.3 2.0 4.2	23 0435 TU 1111 1715 2326	5.5 0.6 5.4 1.0	31 0558 W 1210 1844	1.9 4.5 1.9
8 0453 M 1124 1727 2334	5.2 0.9 5.0 1.5	16 0453 TU 1108 1732 2344	2.3 4.2 2.0 4.2	24 0517 W 1155 1800	5.6 0.5 5.3		

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

August 2024

TIMES AND HEIGHTS OF HIGH AND LOW WATERS

TIME ZONE UT (GMT)

Time	m	Time	m	Time	m	Time	m
1 0052 0717 TH 1327 1951	4.5 1.7 4.6 1.8	9 0009 0613 F 1239 1843	1.4 5.1 1.2 4.8	17 0113 0746 SA 1354 2011	4.5 1.6 4.7 1.7	25 0108 0710 SU 1342 1953	1.1 5.5 1.0 4.9
2 0154 0819 F 1426 2044	4.7 1.4 4.8 1.7	10 0039 0648 SA 1310 1919	1.6 5.0 1.4 4.7	18 0205 0839 SU 1444 2059	4.8 1.2 5.0 1.4	26 0154 0804 M 1432 C 2047	1.4 5.1 1.5 4.6
3 0244 0910 SA 1514 2127	4.9 1.2 4.9 1.6	11 0112 0726 SU 1346 2000	1.7 4.8 1.6 4.5	19 0251 0926 M 1529 O 2144	5.2 0.8 5.3 1.1	27 0253 0910 TU 1537 2154	1.8 4.6 2.0 4.3
4 0326 0953 SU 1554 ● 2205	5.1 1.0 5.0 1.5	12 0151 0811 M 1429 D 2049	1.9 4.5 1.9 4.3	20 0334 1011 TU 1612 2226	5.5 0.5 5.5 0.9	28 0415 1034 W 1708 2317	2.0 4.3 2.2 4.2
5 0403 1031 M 1631 2240	5.2 0.9 5.1 1.4	13 0239 0906 TU 1526 2148	2.2 4.3 2.1 4.1	21 0415 1054 W 1655 2307	5.8 0.3 5.6 0.8	29 0557 1214 TH 1842	2.0 4.3 2.2
6 0436 1105 TU 1705 2311	5.3 0.9 5.1 1.4	14 0349 1017 W 1642 2257	2.3 4.2 2.2 4.1	22 0456 1135 TH 1737 2347	5.9 0.2 5.6 0.8	30 0043 0719 F 1330 1946	4.4 1.7 4.5 2.0
7 0508 1138 W 1738 2341	5.3 0.9 5.0 1.4	15 0520 1138 TH 1805	2.3 4.2 2.2	23 0538 1216 F 1820	5.9 0.3 5.5	31 0145 0815 SA 1421 2033	4.6 1.4 4.7 1.8
8 0539 1209 TH 1810	5.2 1.0 4.9	16 0008 0643 F 1253 1916	4.2 2.0 4.4 1.9	24 0026 0622 SA 1258 1905	0.9 5.7 0.6 5.2		

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

September 2024

TIMES AND HEIGHTS OF HIGH AND LOW WATERS

TIME ZONE UT (GMT)

Time	m	Time	m	Time	m	Time	m
1 0231 4.9		9 0036 1.6		17 0227 5.4		25 0231 1.8	
0859 1.2		0645 4.8		0905 0.6		0853 4.4	
SU 1501 4.9		M 1304 1.6		TU 1506 5.5		W 1510 2.3	
2111 1.6		1915 4.6		2120 1.0		2124 4.2	
2 0309 5.1		10 0112 1.8		18 0309 5.7		26 0403 2.0	
0935 1.0		0727 4.6		0948 0.3		1025 4.2	
M 1536 5.1		TU 1344 1.9		W 1547 5.7		TH 1654 2.5	
2144 1.4		2001 4.4		○ 2202 0.8		2255 4.2	
3 0342 5.3		11 0156 2.1		19 0350 6.0		27 0551 2.0	
1007 0.9		0823 4.3		1029 0.1		1209 4.2	
TU 1607 5.1		W 1438 2.2		TH 1628 5.8		F 1827 2.4	
● 2214 1.3		☾ 2102 4.1		2242 0.6			
4 0412 5.3		12 0303 2.3		20 0431 6.1		28 0023 4.3	
1037 0.9		0940 4.1		1109 0.2		0703 1.7	
W 1637 5.2		TH 1601 2.4		F 1709 5.7		SA 1315 4.5	
2242 1.3		2217 4.1		2321 0.6		1925 2.1	
5 0441 5.4		13 0450 2.3		21 0513 6.0		29 0121 4.6	
1105 0.9		1111 4.1		1149 0.4		0753 1.4	
TH 1704 5.1		F 1742 2.3		SA 1751 5.5		SU 1400 4.7	
2309 1.2		2337 4.2				2008 1.9	
6 0508 5.3		14 0624 2.0		22 0000 0.8		30 0205 4.9	
1132 1.0		1236 4.4		0558 5.8		0832 1.2	
F 1732 5.1		SA 1856 2.0		SU 1229 0.7		M 1436 4.9	
2337 1.3				1834 5.3		2043 1.6	
7 0537 5.2		15 0047 4.5		23 0042 1.0			
1200 1.1		0728 1.5		0647 5.4			
SA 1802 5.0		SU 1335 4.8		M 1311 1.2			
		1951 1.7		1920 4.9			
8 0005 1.4		16 0141 5.0		24 0130 1.4			
0609 5.0		0819 1.0		0743 4.9			
SU 1230 1.3		M 1423 5.2		TU 1400 1.8			
1836 4.8		2037 1.3		☾ 2014 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

October 2024

TIMES AND HEIGHTS OF HIGH AND LOW WATERS

TIME ZONE UT (GMT)

Time	m	Time	m	Time	m	Time	m
1 0242 5.1 0905 1.0 TU 1508 5.1 2114 1.4		9 0045 1.7 0700 4.6 W 1311 2.0 1925 4.5		17 0241 5.8 0920 0.3 TH 1519 5.7 O 2134 0.7		25 0343 1.9 1004 4.1 F 1620 2.6 2219 4.2	
2 0314 5.3 0935 1.0 W 1537 5.2 ● 2144 1.3		10 0132 2.0 0800 4.3 TH 1405 2.3 ☾ 2027 4.2		18 0324 6.0 1002 0.3 F 1600 5.7 2216 0.6		26 0517 1.9 1135 4.2 SA 1747 2.5 2342 4.4	
3 0343 5.3 1003 0.9 TH 1604 5.2 2211 1.2		11 0240 2.2 0918 4.1 F 1531 2.5 2143 4.2		19 0407 6.0 1043 0.4 SA 1641 5.7 2258 0.6		27 0626 1.7 1240 4.4 SU 1846 2.3	
4 0411 5.3 1030 1.0 F 1629 5.2 2239 1.2		12 0426 2.1 1049 4.2 SA 1714 2.4 2304 4.3		20 0453 5.8 1123 0.6 SU 1723 5.5 2340 0.8		28 0042 4.6 0715 1.5 M 1324 4.6 1931 2.0	
5 0438 5.3 1057 1.0 SA 1656 5.2 2307 1.2		13 0557 1.8 1210 4.5 SU 1826 2.1		21 0540 5.6 1204 1.0 M 1806 5.2		29 0128 4.8 0754 1.3 TU 1401 4.8 2008 1.7	
6 0506 5.2 1125 1.2 SU 1726 5.1 2337 1.3		14 0014 4.7 0700 1.3 M 1308 4.9 1921 1.7		22 0024 1.0 0632 5.2 TU 1246 1.5 1853 4.9		30 0207 5.0 0828 1.2 W 1434 5.0 2041 1.5	
7 0538 5.0 1156 1.4 M 1800 4.9		15 0110 5.1 0751 0.9 TU 1355 5.2 2008 1.3		23 0114 1.4 0729 4.7 W 1335 2.0 1946 4.6		31 0241 5.1 0900 1.1 TH 1503 5.1 2112 1.4	
8 0009 1.5 0615 4.8 TU 1230 1.6 1838 4.7		16 0157 5.5 0836 0.5 W 1438 5.5 2052 1.0		24 0218 1.7 0839 4.4 TH 1444 2.4 ☾ 2054 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

November 2024

TIMES AND HEIGHTS OF HIGH AND LOW WATERS

TIME ZONE UT (GMT)

Time	m	Time	m	Time	m	Time	m
1 0313 0929 F 1530 ● 2142	5.2 1.1 5.2 1.3	9 0232 0903 SA 1508 ☾ 2114	1.9 4.3 2.4 4.4	17 0351 1021 SU 1619 2241	5.7 0.7 5.5 0.7	25 0527 1141 M 1749 2347	1.8 4.3 2.4 4.4
2 0343 0958 SA 1557 2212	5.2 1.1 5.2 1.2	10 0359 1022 SU 1636 2229	1.8 4.3 2.3 4.5	18 0440 1103 M 1702 2327	5.6 1.0 5.4 0.8	26 0622 1234 TU 1842	1.7 4.4 2.2
3 0412 1027 SU 1627 2244	5.2 1.2 5.2 1.2	11 0518 1135 M 1746 2337	1.6 4.6 2.0 4.8	19 0529 1145 TU 1746	5.3 1.3 5.2	27 0040 0709 W 1317 1927	4.6 1.6 4.6 1.9
4 0444 1058 M 1659 2317	5.1 1.3 5.1 1.3	12 0622 1235 TU 1844	1.2 4.9 1.7	20 0014 0621 W 1228 1832	1.0 5.0 1.7 5.0	28 0126 0749 TH 1355 2006	4.7 1.5 4.8 1.7
5 0519 1132 TU 1735 2353	5.0 1.4 5.0 1.4	13 0035 0717 W 1324 1936	5.1 0.9 5.1 1.4	21 0104 0716 TH 1316 1922	1.3 4.7 2.0 4.8	29 0207 0825 F 1429 2042	4.8 1.4 4.9 1.5
6 0600 1209 W 1815	4.8 1.7 4.8	14 0127 0806 TH 1410 2024	5.4 0.7 5.4 1.1	22 0201 0817 F 1414 2021	1.5 4.4 2.3 4.6	30 0244 0858 SA 1500 2117	4.9 1.3 5.1 1.4
7 0033 0650 TH 1252 1904	1.6 4.6 2.0 4.6	15 0216 0853 F 1454 ○ 2110	5.6 0.6 5.5 0.9	23 0307 0924 SA 1526 ☾ 2130	1.7 4.2 2.5 4.4		
8 0124 0750 F 1348 2003	1.8 4.4 2.2 4.5	16 0303 0937 SA 1537 2156	5.7 0.6 5.6 0.8	24 0419 1035 SU 1643 2242	1.8 4.2 2.5 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

December 2024

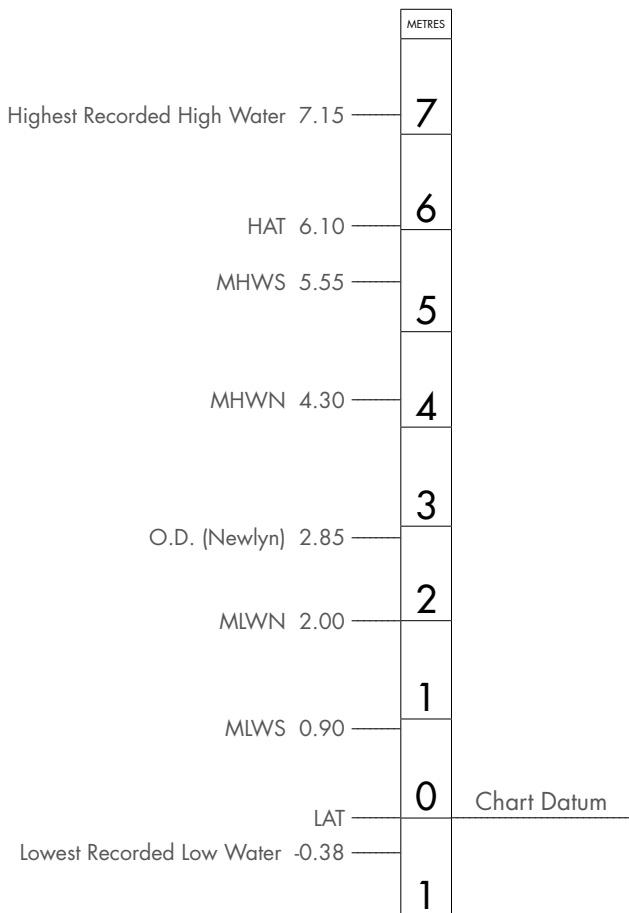
TIMES AND HEIGHTS OF HIGH AND LOW WATERS

TIME ZONE UT (GMT)

Time	m	Time	m	Time	m	Time	m
1 0320 5.0 0931 1.3 SU 1532 5.1 ● 2152 1.3		9 0327 1.5 0949 4.5 M 1553 2.1 2151 4.8		17 0435 5.3 1052 1.3 TU 1649 5.3 2320 0.9		25 0513 2.0 1126 4.2 W 1738 2.3 2342 4.3	
2 0355 5.0 1005 1.3 M 1606 5.2 2228 1.2		10 0435 1.4 1055 4.6 TU 1702 2.0 2258 4.8		18 0523 5.2 1134 1.4 W 1731 5.3		26 0613 1.9 1222 4.3 TH 1839 2.2	
3 0432 5.0 1040 1.4 TU 1642 5.2 2306 1.2		11 0542 1.3 1157 4.7 W 1806 1.8		19 0005 0.9 0610 5.0 TH 1214 1.6 1814 5.2		27 0041 4.4 0706 1.8 F 1312 4.5 1931 2.0	
4 0512 5.0 1118 1.5 W 1720 5.1 2346 1.2		12 0002 5.0 0644 1.2 TH 1254 4.9 1906 1.6		20 0049 1.1 0657 4.8 F 1254 1.8 1858 5.0		28 0134 4.5 0752 1.7 SA 1356 4.7 2016 1.7	
5 0556 4.9 1159 1.6 TH 1802 5.0		13 0102 5.1 0741 1.1 F 1346 5.1 2002 1.3		21 0134 1.3 0744 4.6 SA 1336 2.0 1945 4.8		29 0221 4.7 0834 1.6 SU 1436 4.9 2058 1.5	
6 0031 1.3 0646 4.7 F 1244 1.8 1850 4.9		14 0159 5.3 0833 1.0 SA 1435 5.2 2055 1.1		22 0222 1.5 0835 4.4 SU 1424 2.2 ☾ 2037 4.6		30 0304 4.8 0913 1.5 M 1514 5.0 ● 2139 1.3	
7 0122 1.4 0741 4.6 SA 1337 2.0 1944 4.8		15 0253 5.3 0922 1.1 SU 1522 5.3 ☉ 2146 0.9		23 0314 1.8 0929 4.2 M 1523 2.4 2135 4.4		31 0344 4.9 0953 1.4 TU 1552 5.1 2220 1.1	
8 0221 1.5 0843 4.5 SU 1441 2.1 ☽ 2045 4.8		16 0345 5.3 1008 1.1 M 1606 5.4 2234 0.8		24 0412 1.9 1027 4.2 TU 1631 2.4 2239 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.

TIDAL DATA RIVER TEES



HARTLEPOOL TIDE TABLES

JANUARY 2024 –
DECEMBER 2024

ENGLAND - HARTLEPOOL

LAT 54°42'N LONG 1°12'W

January 2024

TIMES AND HEIGHTS OF HIGH AND LOW WATERS

TIME ZONE UT (GMT)

Time	m	Time	m	Time	m	Time	m
1 0042 M 1237 1851	1.2 4.6 1.7 4.8	9 0124 0747 TU 1350 2012	4.5 1.4 4.7 1.4	17 0146 0802 W 1358 2003	0.7 4.8 1.4 5.1	25 0326 0935 TH 1538 O 2201	4.7 1.4 5.0 1.0
2 0120 0732 TU 1316 1935	1.3 4.4 1.8 4.6	10 0218 0836 W 1437 2103	4.8 1.3 4.9 1.1	18 0238 0857 TH 1453 D 2101	1.0 4.6 1.6 4.8	26 0404 1010 F 1612 2237	4.8 1.4 5.1 0.9
3 0201 0818 W 1401 2023	1.5 4.3 2.0 4.4	11 0308 0924 TH 1522 ● 2152	5.0 1.1 5.1 0.8	19 0336 0958 F 1558 2207	1.3 4.4 1.8 4.6	27 0440 1042 SA 1644 2310	4.9 1.3 5.1 0.9
4 0248 0909 TH 1456 C 2117	1.6 4.2 2.1 4.3	12 0357 1010 F 1607 2239	5.1 1.0 5.3 0.6	20 0445 1104 SA 1713 2321	1.5 4.3 1.8 4.4	28 0513 1112 SU 1715 2342	4.9 1.3 5.1 0.9
5 0344 1006 F 1603 2218	1.7 4.1 2.1 4.2	13 0445 1055 SA 1651 2326	5.2 1.0 5.4 0.5	21 0603 1216 su 1832	1.7 4.3 1.7	29 0545 1141 M 1747	4.8 1.3 5.1
6 0448 1106 SA 1715 2323	1.8 4.1 2.1 4.2	14 0532 1140 su 1736	5.3 1.0 5.5	22 0040 0714 M 1321 1941	4.4 1.7 4.4 1.5	30 0013 0618 TU 1211 1821	1.0 4.7 1.4 5.0
7 0553 1205 su 1820	1.7 4.3 1.9	15 0012 0621 M 1224 1822	0.4 5.2 1.1 5.5	23 0149 0810 TU 1415 2036	4.5 1.6 4.6 1.3	31 0044 0653 W 1244 1857	1.1 4.6 1.5 4.8
8 0026 0653 M 1300 1919	4.4 1.6 4.4 1.7	16 0058 0711 TU 1309 1910	0.5 5.0 1.2 5.3	24 0242 0855 W 1459 2122	4.6 1.5 4.8 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

February 2024

TIMES AND HEIGHTS OF HIGH AND LOW WATERS

TIME ZONE UT (GMT)

Time	m	Time	m	Time	m	Time	m
1 0117 0731 TH 1319 1936	1.2 4.5 1.6 4.6	9 0258 0914 F 1508 ● 2143	5.0 1.1 5.2 0.6	17 0254 0916 SA 1517 2136	1.4 4.3 1.7 4.4	25 0419 1021 SU 1624 2246	4.9 1.2 5.1 0.8
2 0155 0815 F 1400 ☾ 2022	1.4 4.3 1.8 4.4	10 0346 1000 SA 1553 2229	5.2 0.9 5.5 0.3	18 0404 1024 SU 1642 2259	1.8 4.0 1.9 4.1	26 0447 1049 M 1651 2314	4.9 1.1 5.2 0.8
3 0241 0906 SA 1452 2119	1.6 4.1 2.0 4.2	11 0432 1043 SU 1636 2313	5.4 0.7 5.7 0.1	19 0540 1149 M 1824	2.0 4.0 1.8	27 0515 1116 TU 1719 2341	4.9 1.1 5.1 0.8
4 0341 1008 SU 1605 2230	1.8 4.0 2.1 4.1	12 0516 1125 M 1718 2355	5.5 0.7 5.8 0.1	20 0036 0706 TU 1308 1939	4.1 2.0 4.2 1.6	28 0543 1144 W 1748	4.9 1.1 5.0
5 0458 1117 M 1733 2349	1.9 4.0 2.0 4.1	13 0600 1205 TU 1802	5.4 0.7 5.7	21 0148 0802 W 1403 2031	4.3 1.8 4.5 1.3	29 0009 0614 TH 1213 1820	0.9 4.8 1.2 4.9
6 0619 1226 TU 1853	1.8 4.2 1.7	14 0036 0644 W 1245 1846	0.3 5.2 0.9 5.5	22 0236 0845 TH 1447 2111	4.5 1.6 4.7 1.1		
7 0103 0728 W 1327 1959	4.4 1.6 4.5 1.4	15 0118 0730 TH 1327 1935	0.6 4.9 1.1 5.2	23 0314 0920 F 1523 2145	4.7 1.4 4.9 0.9		
8 0206 0825 TH 1421 2054	4.7 1.3 4.8 1.0	16 0203 0819 F 1415 ☽ 2029	1.0 4.6 1.4 4.8	24 0348 0952 SA 1555 ☉ 2216	4.8 1.3 5.1 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.

ENGLAND - HARTLEPOOL

LAT 54°42'N LONG 1°12'W

March 2024

TIMES AND HEIGHTS OF HIGH AND LOW WATERS

TIME ZONE UT (GMT)

Time	m	Time	m	Time	m	Time	m
1 0040 0648 F 1245 1855	1.1 4.6 1.4 4.7	9 0242 0857 SA 1448 2126	5.0 1.0 5.3 0.4	17 0216 0836 SU 1447 2112	1.6 4.2 1.6 4.2	25 0350 0953 M 1556 2215	4.9 1.1 5.1 0.7
2 0115 0727 SA 1321 1937	1.3 4.4 1.6 4.5	10 0327 0940 SU 1531 ● 2210	5.3 0.7 5.6 0.1	18 0325 0947 M 1620 2242	2.1 3.9 1.9 3.9	26 0416 1020 TU 1622 2242	5.0 1.0 5.1 0.7
3 0156 0815 SU 1408 ☾ 2035	1.6 4.2 1.8 4.2	11 0410 1022 M 1613 2251	5.5 0.5 5.8 0.0	19 0516 1120 TU 1810	2.2 3.9 1.8	27 0441 1048 W 1649 2309	5.0 0.9 5.1 0.8
4 0252 0919 M 1517 2154	1.9 4.0 2.0 4.0	12 0452 1102 TU 1655 2331	5.5 0.5 5.9 0.0	20 0025 0646 W 1244 1920	3.9 2.1 4.1 1.5	28 0509 1116 TH 1717 2338	5.0 1.0 5.0 0.9
5 0417 1037 TU 1701 2325	2.0 3.9 2.0 4.0	13 0533 1140 W 1737	5.4 0.5 5.8	21 0131 0741 TH 1340 2008	4.2 1.9 4.4 1.2	29 0539 1146 F 1749	4.9 1.1 4.9
6 0557 1157 W 1837	2.0 4.1 1.7	14 0009 0614 TH 1219 1822	0.3 5.2 0.7 5.5	22 0215 0821 F 1421 2045	4.4 1.6 4.7 1.0	30 0009 0612 SA 1218 1827	1.0 4.7 1.2 4.7
7 0048 0713 TH 1306 1945	4.3 1.7 4.4 1.2	15 0048 0657 F 1259 1910	0.6 4.9 0.9 5.1	23 0250 0854 SA 1457 2117	4.6 1.4 4.9 0.9	31 0044 0650 SU 1256 1913	1.3 4.5 1.4 4.4
8 0152 0809 F 1401 2039	4.7 1.3 4.9 0.8	16 0128 0742 SA 1345 2004	1.1 4.6 1.3 4.6	24 0321 0925 SU 1528 2147	4.8 1.2 5.0 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.

ENGLAND - HARTLEPOOL

LAT 54°42'N LONG 1°12'W

April 2024

TIMES AND HEIGHTS OF HIGH AND LOW WATERS

TIME ZONE UT (GMT)

Time	m	Time	m	Time	m	Time	m
1 0125 M 0739 1346 2016	1.6 4.2 1.6 4.2	9 0344 TU 0956 1548 2225	5.5 0.5 5.8 0.1	17 0437 W 1041 1732 2349	2.3 3.9 1.7 3.9	25 0409 TH 1021 1621 2239	5.0 0.9 5.0 0.8
2 0222 TU 0846 1459 2138	1.9 4.0 1.8 4.0	10 0424 W 1036 1631 2304	5.5 0.4 5.7 0.2	18 0603 TH 1203 1839	2.2 4.1 1.5	26 0439 F 1052 1654 2311	5.0 0.9 5.0 0.9
3 0354 W 1008 1646 2310	2.1 4.0 1.8 4.0	11 0504 TH 1116 1715 2342	5.4 0.5 5.6 0.5	19 0053 F 0700 1300 1927	4.1 1.9 4.3 1.3	27 0511 SA 1126 1731 2346	4.9 1.0 4.8 1.1
4 0536 TH 1130 1817	2.0 4.2 1.4	12 0544 F 1156 1801	5.2 0.6 5.3	20 0138 SA 0742 1344 2006	4.4 1.6 4.6 1.1	28 0548 SU 1203 1814	4.8 1.1 4.7
5 0031 F 0649 1240 1922	4.3 1.6 4.5 1.0	13 0020 SA 0626 1238 1851	0.9 4.9 0.9 4.9	21 0214 su 0818 1421 2040	4.6 1.4 4.8 0.9	29 0024 M 0630 1246 1908	1.3 4.6 1.3 4.4
6 0131 SA 0743 1335 2014	4.7 1.3 5.0 0.6	14 0059 su 0710 1326 1946	1.3 4.6 1.2 4.5	22 0246 M 0850 1453 2111	4.7 1.2 4.9 0.9	30 0110 TU 0722 1342 2013	1.6 4.4 1.4 4.2
7 0219 su 0830 1422 2101	5.1 0.9 5.3 0.3	15 0145 M 0802 1429 2053	1.7 4.2 1.6 4.1	23 0315 TU 0921 1523 2141	4.9 1.1 5.0 0.8		
8 0302 M 0914 1506 2144	5.3 0.7 5.6 0.1	16 0253 TU 0912 1557 2218	2.1 4.0 1.7 3.8	24 0341 W 0951 1552 2209	4.9 1.0 5.0 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.

ENGLAND - HARTLEPOOL

LAT 54°42'N LONG 1°12'W

May 2024

TIMES AND HEIGHTS OF HIGH AND LOW WATERS

TIME ZONE UT (GMT)

Time	m	Time	m	Time	m	Time	m
1 0211 W 1459 ☾ 2130	1.9 4.2 1.5 4.1	9 0359 TH 1613 ☾ 2240	5.3 0.5 5.5 0.5	17 0501 F 1741 ☾ 2356	2.1 4.1 1.5 4.0	25 0417 SA 1641 ☾ 2253	5.0 0.9 4.9 1.0
2 0340 TH 1629 ☾ 2251	2.0 4.2 1.4 4.2	10 0439 F 1659 ☾ 2320	5.2 0.6 5.3 0.8	18 0604 SA 1835	2.0 4.2 1.4	26 0454 SU 1725 ☾ 2333	4.9 0.9 4.8 1.2
3 0506 F 1747	1.9 4.4 1.2	11 0520 SA 1747 ☾ 2358	5.1 0.7 5.0 1.1	19 0047 SU 1256 ☾ 1919	4.2 1.8 4.4 1.3	27 0535 M 1813	4.9 1.0 4.7
4 0004 SA 1209 ☾ 1850	4.4 1.6 4.7 0.9	12 0602 SU 1837	4.9 0.9 4.7	20 0129 M 1338 ☾ 1958	4.4 1.6 4.6 1.1	28 0016 TU 1248 ☾ 1908	1.3 4.8 1.1 4.6
5 0102 SU 1305 ☾ 1944	4.7 1.3 5.0 0.6	13 0039 M 1314 ☾ 1930	1.4 4.6 1.2 4.4	21 0204 TU 1416 ☾ 2033	4.6 1.4 4.7 1.0	29 0106 W 1346 ☾ 2009	1.5 4.6 1.2 4.4
6 0151 M 1354 ☾ 2032	5.0 1.0 5.3 0.4	14 0124 TU 1412 ☾ 2030	1.8 4.4 1.4 4.1	22 0237 W 1451 ☾ 2107	4.8 1.2 4.8 1.0	30 0207 TH 1453 ☾ 2116	1.7 4.5 1.2 4.3
7 0235 TU 1441 ☾ 2117	5.2 0.7 5.5 0.3	15 0223 W 1521 ☾ 2140	2.0 4.2 1.6 3.9	23 0309 TH 1526 ☾ 2141	4.9 1.1 4.9 0.9	31 0319 F 1604 ☾ 2225	1.8 4.5 1.2 4.4
8 0318 W 1527 ● 2159	5.3 0.6 5.5 0.4	16 0343 TH 1635 ☾ 2252	2.2 4.1 1.6 3.9	24 0342 F 1602 ☾ 2216	4.9 1.0 4.9 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

June 2024

TIMES AND HEIGHTS OF HIGH AND LOW WATERS

TIME ZONE UT (GMT)

Time	m	Time	m	Time	m	Time	m
1 0431 SA 1712 2331	1.7 4.6 1.1 4.5	9 0502 SU 1736 2343	5.0 0.8 4.9 1.3	17 0554 M 1824	1.9 4.3 1.5	25 0526 TU 1810	5.1 0.7 4.9
2 0537 SU 1815	1.6 4.8 0.9	10 0543 M 1822	4.9 0.9 4.7	18 0035 TU 1252 1913	4.3 1.8 4.4 1.4	26 0013 W 1247 1901	1.2 5.1 0.7 4.8
3 0030 M 1237 1913	4.7 1.4 4.9 0.8	11 0022 TU 1259 1910	1.5 4.8 1.1 4.5	19 0120 W 1340 1957	4.4 1.6 4.5 1.3	27 0101 TH 1339 1955	1.3 5.0 0.8 4.7
4 0123 TU 1332 2006	4.8 1.1 5.1 0.8	12 0103 W 1346 1959	1.7 4.6 1.3 4.3	20 0202 TH 1424 2039	4.6 1.4 4.7 1.2	28 0153 F 1434 2052	1.4 4.9 0.9 4.6
5 0212 W 1424 2054	5.0 1.0 5.2 0.8	13 0148 TH 1438 2052	1.9 4.5 1.4 4.1	21 0242 F 1508 2120	4.8 1.2 4.8 1.1	29 0251 SA 1533 2153	1.5 4.8 1.0 4.5
6 0257 TH 1514 ● 2140	5.1 0.8 5.2 0.8	14 0243 F 1534 2149	2.0 4.3 1.6 4.0	22 0322 SA 1551 2202	4.9 1.0 4.9 1.1	30 0355 SU 1637 2256	1.6 4.7 1.2 4.4
7 0340 F 1602 2223	5.1 0.7 5.2 0.9	15 0347 SA 1633 2247	2.1 4.2 1.6 4.0	23 0402 SU 1635 2245	5.0 0.9 5.0 1.1		
8 0422 SA 1650 2304	5.1 0.7 5.0 1.1	16 0453 SU 1731 2344	2.0 4.2 1.6 4.1	24 0443 M 1721 2328	5.1 0.8 5.0 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

July 2024

TIMES AND HEIGHTS OF HIGH AND LOW WATERS

TIME ZONE UT (GMT)

Time	m	Time	m	Time	m	Time	m
1 0501 M 1108 1743	1.6 4.7 1.2	9 0526 TU 1157 1802	5.0 0.9 4.8	17 0557 W 1210 1830	1.9 4.2 1.7	25 0002 TH 0557 1233 1843	0.9 5.5 0.4 5.2
2 0600 TU 0609 1215 1849	4.5 1.5 4.7 1.2	10 0002 W 0603 1235 1841	1.4 5.0 1.0 4.7	18 0039 TH 0700 1311 1929	4.3 1.7 4.4 1.6	26 0045 F 0642 1319 1931	1.0 5.4 0.6 5.0
3 0101 W 0714 1320 1949	4.6 1.4 4.8 1.2	11 0035 TH 0641 1312 1920	1.5 4.9 1.1 4.5	19 0133 F 0755 1405 2020	4.5 1.5 4.6 1.4	27 0130 SA 0731 1407 2022	1.2 5.2 0.8 4.7
4 0156 TH 0813 1419 2042	4.7 1.2 4.9 1.2	12 0110 F 0723 1350 2002	1.6 4.7 1.3 4.4	20 0221 SA 0846 1454 2107	4.7 1.2 4.8 1.2	28 0219 SU 0827 1500 2118	1.4 5.0 1.1 4.5
5 0246 F 0906 1511 ● 2129	4.9 1.0 4.9 1.2	13 0149 SA 0808 1433 ☾ 2048	1.8 4.5 1.5 4.2	21 0306 su 0933 1541 ○ 2153	5.0 0.9 5.0 1.1	29 0319 M 0930 1603 2222	1.6 4.7 1.4 4.3
6 0330 SA 0953 1558 2212	5.0 0.9 5.0 1.2	14 0236 su 0859 1522 2140	1.9 4.3 1.7 4.1	22 0349 M 1020 1626 2237	5.2 0.7 5.2 1.0	30 0430 TU 1044 1718 2334	1.7 4.5 1.6 4.3
7 0411 su 1037 1642 2251	5.0 0.8 4.9 1.3	15 0336 M 0958 1621 2239	2.0 4.2 1.8 4.1	23 0431 TU 1105 1711 2320	5.4 0.5 5.3 0.9	31 0552 W 1206 1838	1.7 4.4 1.7
8 0449 M 1118 1723 2328	5.1 0.8 4.9 1.3	16 0447 TU 1104 1726 2340	2.0 4.1 1.8 4.1	24 0513 W 1149 1756	5.5 0.4 5.2		

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

LAT 54°42'N LONG 1°12'W

August 2024

TIMES AND HEIGHTS OF HIGH AND LOW WATERS

TIME ZONE UT (GMT)

Time	m	Time	m	Time	m	Time	m
1 0048 0711 TH 1323 1945	4.4 1.5 4.5 1.6	9 0003 0609 F 1233 1839	1.3 5.0 1.1 4.7	17 0109 0740 SA 1350 2005	4.4 1.5 4.6 1.5	25 0102 0706 SU 1336 1949	1.0 5.4 0.9 4.8
2 0150 0813 F 1422 2038	4.6 1.3 4.7 1.5	10 0033 0644 SA 1304 1915	1.4 4.9 1.2 4.6	18 0201 0833 SU 1440 2053	4.7 1.1 4.9 1.2	26 0148 0800 M 1426 C 2043	1.3 5.0 1.3 4.5
3 0240 0904 SA 1510 2121	4.8 1.1 4.8 1.4	11 0106 0722 SU 1340 1956	1.5 4.7 1.4 4.4	19 0247 0920 M 1525 O 2138	5.1 0.7 5.2 1.0	27 0247 0906 TU 1531 2150	1.6 4.5 1.8 4.2
4 0322 0947 SU 1550 ● 2159	5.0 0.9 4.9 1.3	12 0145 0807 M 1423 D 2045	1.7 4.4 1.7 4.2	20 0330 1005 TU 1608 2220	5.4 0.4 5.4 0.8	28 0409 1030 W 1702 2313	1.8 4.2 2.0 4.1
5 0359 1025 M 1627 2234	5.1 0.8 5.0 1.3	13 0233 0902 TU 1520 2144	1.9 4.2 1.9 4.0	21 0411 1048 W 1651 2301	5.7 0.2 5.5 0.7	29 0551 1210 TH 1836	1.8 4.2 2.0
6 0432 1059 TU 1701 2305	5.2 0.8 5.0 1.2	14 0343 1013 W 1636 2253	2.1 4.1 2.0 4.0	22 0452 1129 TH 1733 2341	5.8 0.2 5.5 0.7	30 0039 0713 F 1326 1940	4.3 1.5 4.4 1.8
7 0504 1132 W 1734 2335	5.2 0.8 4.9 1.2	15 0514 1134 TH 1759	2.1 4.1 2.0	23 0534 1210 F 1816	5.8 0.3 5.4	31 0141 0809 SA 1417 2027	4.5 1.3 4.6 1.6
8 0535 1203 TH 1806	5.1 0.9 4.8	16 0004 0637 F 1249 1910	4.1 1.8 4.3 1.8	24 0020 0618 SA 1252 1901	0.8 5.6 0.5 5.1		

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 September 2024

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 0227 0853 SU 1457 2105	4.8 1.0 4.8 1.4	9 0030 0641 M 1258 1911	1.4 4.7 1.4 4.5	17 0223 0859 TU 1502 2114	5.3 0.5 5.4 0.9	25 0225 0849 W 1504 2120	1.6 4.3 2.1 4.1
2 0305 0929 M 1532 2138	5.0 0.9 5.0 1.3	10 0106 0723 TU 1338 1957	1.6 4.5 1.7 4.3	18 0305 0942 W 1543 O 2156	5.6 0.2 5.6 0.7	26 0357 1021 TH 1648 2251	1.8 4.1 2.3 4.1
3 0338 1001 TU 1603 ● 2208	5.2 0.8 5.0 1.2	11 0150 0819 W 1432 D 2058	1.9 4.2 2.0 4.0	19 0346 1023 TH 1624 2236	5.9 0.1 5.7 0.5	27 0545 1205 F 1821	1.8 4.1 2.2
4 0408 1031 W 1633 2236	5.2 0.8 5.1 1.1	12 0257 0936 TH 1555 2213	2.1 4.0 2.2 4.0	20 0427 1103 F 1705 2315	6.0 0.1 5.6 0.5	28 0019 0657 SA 1311 1919	4.2 1.5 4.4 1.9
5 0437 1059 TH 1700 2303	5.3 0.8 5.0 1.1	13 0444 1107 F 1736 2333	2.1 4.0 2.1 4.1	21 0509 1143 SA 1747 2354	5.9 0.3 5.4 0.7	29 0117 0747 SU 1356 2002	4.5 1.2 4.6 1.7
6 0504 1126 F 1728 2331	5.2 0.9 5.0 1.1	14 0618 1232 SA 1850	1.8 4.3 1.8	22 0554 1223 SU 1830	5.7 0.7 5.2	30 0201 0826 M 1432 2037	4.8 1.0 4.8 1.5
7 0533 1154 SA 1758 2359	5.1 1.0 4.9 1.3	15 0043 0722 SU 1331 1945	4.4 1.3 4.7 1.5	23 0036 0643 M 1305 1916	0.9 5.3 1.1 4.8		
8 0605 1224 SU 1832	4.9 1.2 4.7	16 0137 0813 M 1419 2031	4.9 0.9 5.1 1.2	24 0124 0739 TU 1354 C 2010	1.3 4.8 1.6 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

October 2024

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 0238 0859 TU 1504 2108	5.0 0.9 5.0 1.3	9 0039 0656 W 1305 1921	1.6 4.5 1.8 4.4	17 0237 0914 TH 1515 O 2128	5.7 0.3 5.6 0.7	25 0337 1000 F 1614 2215	1.7 4.0 2.4 4.1
2 0310 0929 W 1533 ● 2138	5.2 0.8 5.1 1.2	10 0126 0756 TH 1359 D 2023	1.8 4.2 2.1 4.1	18 0320 0956 F 1556 2210	5.9 0.2 5.6 0.5	26 0511 1131 SA 1741 2338	1.7 4.1 2.3 4.3
3 0339 0957 TH 1600 2205	5.2 0.8 5.1 1.1	11 0234 0914 F 1525 2139	1.9 4.0 2.3 4.1	19 0403 1037 SA 1637 2252	5.9 0.3 5.6 0.6	27 0620 1236 SU 1840	1.5 4.3 2.0
4 0407 1024 F 1625 2233	5.2 0.9 5.1 1.1	12 0420 1045 SA 1708 2300	1.9 4.1 2.2 4.2	20 0449 1117 SU 1719 2334	5.7 0.6 5.4 0.7	28 0038 0709 M 1320 1925	4.5 1.3 4.5 1.8
5 0434 1051 SA 1652 2301	5.2 0.9 5.1 1.1	13 0551 1206 SU 1820	1.6 4.4 1.9	21 0536 1158 M 1802	5.5 0.9 5.1	29 0124 0748 TU 1357 2002	4.7 1.2 4.7 1.6
6 0502 1119 SU 1722 2331	5.1 1.0 5.0 1.2	14 0010 0654 M 1304 1915	4.6 1.2 4.8 1.5	22 0018 0628 TU 1240 1849	0.9 5.1 1.4 4.8	30 0203 0822 W 1430 2035	4.9 1.1 4.9 1.4
7 0534 1150 M 1756	4.9 1.2 4.8	15 0106 0745 TU 1351 2002	5.0 0.8 5.1 1.2	23 0108 0725 W 1329 1942	1.2 4.6 1.8 4.5	31 0237 0854 TH 1459 2106	5.0 1.0 5.0 1.2
8 0003 0611 TU 1224 1834	1.3 4.7 1.5 4.6	16 0153 0830 W 1434 2046	5.4 0.5 5.4 0.9	24 0212 0835 TH 1438 C 2050	1.5 4.3 2.2 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 November 2024

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 0309 F 0923 ● 1526 ● 2136	5.1 1.0 5.1 1.1	9 0226 0859 SA 1502 ☾ 2110	1.7 4.2 2.2 4.3	17 0347 1015 SU 1615 2235	5.6 0.7 5.4 0.7	25 0521 1137 M 1743 2343	1.6 4.2 2.2 4.3
2 0339 0952 SA 1553 2206	5.1 1.0 5.1 1.1	10 0353 1018 SU 1630 2225	1.6 4.2 2.1 4.4	18 0436 1057 M 1658 2321	5.5 0.9 5.3 0.7	26 0616 1230 TU 1836	1.6 4.3 2.0
3 0408 1021 SU 1623 2238	5.1 1.0 5.1 1.1	11 0512 1131 M 1740 2333	1.4 4.5 1.8 4.7	19 0525 1139 TU 1742	5.2 1.2 5.1	27 0036 0703 W 1313 1921	4.5 1.5 4.5 1.7
4 0440 1052 M 1655 2311	5.0 1.1 5.0 1.2	12 0616 1231 TU 1838	1.1 4.8 1.5	20 0008 0617 W 1222 1828	0.9 4.9 1.5 4.9	28 0122 0743 TH 1351 2000	4.6 1.3 4.7 1.6
5 0515 1126 TU 1731 2347	4.9 1.3 4.9 1.3	13 0031 0711 W 1320 1930	5.0 0.8 5.0 1.2	21 0058 0712 TH 1310 1918	1.1 4.6 1.8 4.7	29 0203 0819 F 1425 2036	4.7 1.3 4.8 1.4
6 0556 1203 W 1811	4.7 1.5 4.7	14 0123 0800 TH 1406 2018	5.3 0.6 5.3 1.0	22 0155 0813 F 1408 2017	1.4 4.3 2.1 4.5	30 0240 0852 SA 1456 2111	4.8 1.2 5.0 1.3
7 0027 0646 TH 1246 1900	1.4 4.5 1.8 4.5	15 0212 0847 F 1450 2104	5.5 0.5 5.4 0.8	23 0301 0920 SA 1520 2126	1.6 4.1 2.3 4.3		
8 0118 0746 F 1342 1959	1.6 4.3 2.0 4.4	16 0259 0931 SA 1533 2150	5.6 0.5 5.5 0.7	24 0413 1031 SU 1637 2238	1.7 4.1 2.3 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 December 2024

LAT 54°42'N LONG 1°12'W

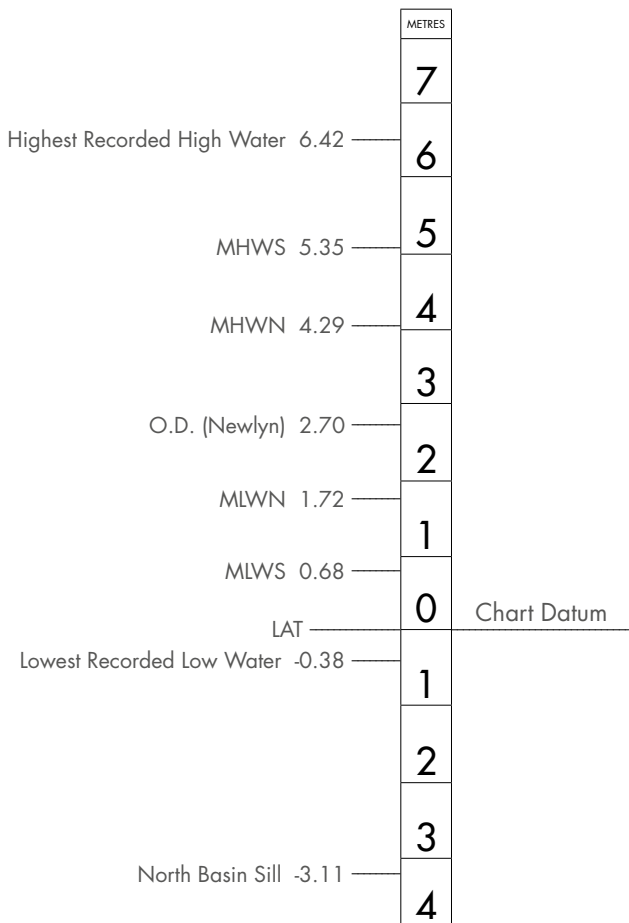
TIMES AND HEIGHTS OF HIGH AND LOW WATERS

TIME ZONE UT (GMT)

Time	m	Time	m	Time	m	Time	m
1 0316 0925 su 1528 ● 2146	4.9 1.2 5.0 1.2	9 0321 0945 M 1547 2147	1.3 4.4 1.9 4.7	17 0431 1046 TU 1645 2314	5.2 1.1 5.2 0.8	25 0507 1122 W 1732 2338	1.8 4.1 2.1 4.2
2 0351 0959 M 1602 2222	4.9 1.2 5.1 1.1	10 0429 1051 TU 1656 2254	1.3 4.5 1.8 4.7	18 0519 1128 W 1727 2359	5.1 1.3 5.2 0.8	26 0607 1218 TH 1833	1.8 4.2 2.0
3 0428 1034 TU 1638 2300	4.9 1.2 5.1 1.1	11 0536 1153 W 1800 2358	1.2 4.6 1.6 4.9	19 0606 1208 TH 1810	4.9 1.5 5.1	27 0037 0700 F 1308 1925	4.3 1.7 4.4 1.8
4 0508 1112 W 1716 2340	4.9 1.3 5.0 1.1	12 0638 1250 TH 1900	1.1 4.8 1.4	20 0043 0653 F 1248 1854	1.0 4.7 1.7 4.9	28 0130 0746 SA 1352 2010	4.4 1.5 4.6 1.6
5 0552 1153 TH 1758	4.8 1.5 4.9	13 0058 0735 F 1342 1956	5.0 1.0 5.0 1.2	21 0128 0740 SA 1330 1941	1.2 4.5 1.9 4.7	29 0217 0828 su 1432 2052	4.6 1.4 4.8 1.4
6 0025 0642 F 1238 1846	1.2 4.6 1.6 4.8	14 0155 0827 SA 1431 2049	5.2 0.9 5.1 1.0	22 0216 0831 su 1418 ☾ 2033	1.4 4.3 2.0 4.5	30 0300 0907 M 1510 ● 2133	4.7 1.3 4.9 1.2
7 0116 0737 SA 1331 1940	1.3 4.5 1.8 4.7	15 0249 0916 su 1518 ○ 2140	5.2 0.9 5.2 0.8	23 0308 0925 M 1517 2131	1.6 4.1 2.1 4.3	31 0340 0947 TU 1548 2214	4.8 1.2 5.0 1.0
8 0215 0839 su 1435 ☽ 2041	1.3 4.4 1.9 4.7	16 0341 1002 M 1602 2228	5.2 1.0 5.3 0.8	24 0406 1023 TU 1625 2235	1.7 4.1 2.2 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.

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 February 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
Exolum 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:
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