



Did you Know?

The times of the tides in tide tables are often NOT correct



October 2019								
Date	HIGH WATER				LOW WATER			
	AM	HT.	PM	HT.	AM	HT.	PM	HT.
01 T	00:57	4.35	13:13	4.34	06:34	0.48	19:07	0.19
02 W	01:39	4.26	13:54	4.30	07:16	0.53	19:45	0.34
03 Th	02:20	4.10	14:36	4.17	07:59	0.62	20:25	0.54
04 F	03:02	3.89	15:21	3.96	08:44	0.74	21:09	0.79
05 Sa	03:46	3.65	16:11	3.71	09:34	0.88	22:01	1.05
06 Su	04:36	3.42	17:12	3.45	10:37	1.02	23:11	1.29
07 M	05:41	3.23	18:35	3.30	11:59	1.10		
08 T	07:03	3.17	20:04	3.39	00:43	1.39	13:35	1.05
09 W	08:25	3.30	21:09	3.60	02:03	1.31	14:49	0.89
10 Th	09:25	3.51	21:57	3.78	02:59	1.16	15:38	0.74
11 F	10:10	3.69	22:37	3.90	03:41	1.01	16:14	0.63
12 Sa	10:47	3.83	23:12	3.97	04:17	0.88	16:46	0.55
13 Su	11:20	3.93	23:44	4.01	04:51	0.77	17:17	0.50
14 M	11:50	4.02			05:25	0.70	17:48	0.48
15 T	00:14	4.04	12:21	4.07	05:57	0.66	18:16	0.48
16 W	00:43	4.05	12:53	4.08	06:27	0.66	18:43	0.51
17 Th	01:14	4.01	13:26	4.04	06:58	0.68	19:11	0.56
18 F	01:47	3.92	14:00	3.97	07:30	0.71	19:44	0.63
19 Sa	02:20	3.80	14:38	3.87	08:06	0.77	20:22	0.76
20 Su	02:55	3.65	15:21	3.74	08:49	0.86	21:09	0.94
21 M	03:38	3.48	16:16	3.58	09:44	0.96	22:10	1.15
22 T	04:38	3.30	17:27	3.44	11:04	1.04	23:39	1.28
23 W	06:08	3.22	18:56	3.47			12:39	0.95
24 Th	07:35	3.35	20:19	3.69	01:12	1.19	13:54	0.76
25 F	08:46	3.59	21:24	3.94	02:20	1.01	14:58	0.55
26 Sa	09:45	3.83	22:17	4.13	03:14	0.83	15:52	0.38
27 Su	10:36	4.03	23:05	4.24	04:03	0.68	16:40	0.26
28 M	11:22	4.19	23:50	4.28	04:48	0.57	17:23	0.22
29 T			12:06	4.28	05:31	0.50	18:02	0.24
30 W	00:32	4.26	12:48	4.31	06:14	0.48	18:40	0.33
31 Th	01:13	4.18	13:30	4.25	06:56	0.51	19:18	0.49

Here is a complete tide table for Harwich.

Harwich is the nearest place to Woodbridge that ALL the tide times have been calculated for.

It is too big a job to calculate them for every place.

The tide **FLOODS** (comes in) **DOWN** the North Sea.

The tide **EBBS** (goes out) **UP** the North Sea.

Question

If you were standing on the pier at Felixstowe looking out to sea and the tide was flooding, would the water be moving from your left towards your right, or, from your right to left?

As the water is moving,

the time of High Water will not be the same everywhere.

High tide will reach Lowestoft before it reaches Southwold.

Felixstowe HW will be earlier than Woodbridge.

Different places have different HW times.

Tidal Differences

This leads to **tables of Tidal Differences.**

If the tide has to go up a narrow river it will be delayed even more. It can take 40 mins to get all the way up to Woodbridge from Felixstowe.

On the last day of October, the HW time in the afternoon would not be 13.30, it would be 14.10 because the additional 40 mins (+40) must be added.

And there's more ...

You probably did not notice the tiny note in the top right-hand corner of the tide table that says:

Add 1 hour for BST Ends 27 October

Tide tables are most often printed in Greenwich Mean Time (**GMT**). Right through the summer, to get the correct time of the tide in Woodbridge from the Harwich tide table you have to add 1hr-40 mins to what the table says.

Question

What is the afternoon HW time for Woodbridge on 01 October?

The water flow is from left to right on the pier looking towards the sea.

$13.13 + 1\text{hr } 30/40 = \text{Time of HW Woodbridge } 14.43 \text{ or } 14.53$