

Bridge Information



*VHF communications and telephone conversations with
Port Marine Services are recorded*

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Bridge Information

Transit requires passage past Haven Bridge. There are two lifting bridges between the Port of Great Yarmouth and the Broads National Park - Haven Bridge and Breydon Bridge. Haven Bridge is a double bascule lifting bridge with an opening span width of 26.8m. Breydon Bridge is a single-span drawbridge with an opening span width of 23m. Due to the presence of two low fixed bridges on the river Bure, sailing vessels wishing to access the northern area of the Broads will need to de-mast. There are air draught boards installed on both sides of each bridge. Additionally, available clearance can be requested from Breydon Bridge by calling on VHF Ch12. Bridge deck heights are below, referring to clearance at Chart Datum.

Bridge Name	Air Draught at Chart Datum
Haven Bridge	4.3 metres
Breydon Bridge centre (lifting) span	5.9 metres
Breydon Bridge side span	6.4 metres

When using tide tables (available on the Port website) to estimate clearances use the below formula. Note that HW/LW at the bridges occurs approximately 30 minutes after HW at Gorleston;

$$\text{Clearance (m)} = \text{Bridge Deck Height (m)} - \text{Predicted Tide Height (m)}$$

A table of approximate clearances is also included on the following page.

Bridge bookings can be made during office hours on 01493 335522. Lifts for weekends should be booked by 16:00 on Friday or on the previous working day in the case of Public Holidays. Vessels will be grouped together on lifts whenever possible. When craft are to transit the bridge in opposite directions, those vessels going 'with the tide' will be given priority. Both bridges exhibit occasional traffic signals consisting of three fixed vertical red lights displayed in both directions shortly before a lift is to occur. When the lifting span is opened one set will be extinguished to inform vessels from that side that they can proceed if safe to do so. The Haven Bridge is manned approximately ten minutes before a scheduled lift. Breydon Bridge is manned during daylight hours. Vessels waiting for a lift should seek advice from the Bridge Master if in any doubt (VHF Ch12 callsign 'HAVEN BRIDGE' or 'BREYDON BRIDGE').

Air Draught in metres					
Tide Height (to CD)	Haven Bridge	Vauxhall Bridge	Acle Bridge	Breydon Bridge centre span	Breydon Bridge side span
0	4.3	4.3	4.3	5.9	6.4
0.1	4.2	4.2	4.2	5.8	6.3
0.2	4.1	4.1	4.1	5.7	6.2
0.3	4.0	4.0	4.0	5.6	6.1
0.4	3.9	3.9	3.9	5.5	6.0
0.5	3.8	3.8	3.8	5.4	5.9
0.6	3.7	3.7	3.7	5.3	5.8
0.7	3.6	3.6	3.6	5.2	5.7
0.8	3.5	3.5	3.5	5.1	5.6
0.9	3.4	3.4	3.4	5.0	5.5
1	3.3	3.3	3.3	4.9	5.4
1.1	3.2	3.2	3.2	4.8	5.3
1.2	3.1	3.1	3.1	4.7	5.2
1.3	3.0	3.0	3.0	4.6	5.1
1.4	2.9	2.9	2.9	4.5	5.0
1.5	2.8	2.8	2.8	4.4	4.9
1.6	2.7	2.7	2.7	4.3	4.8
1.7	2.6	2.6	2.6	4.2	4.7
1.8	2.5	2.5	2.5	4.1	4.6
1.9	2.4	2.4	2.4	4.0	4.5
2	2.3	2.3	2.3	3.9	4.4
2.1	2.2	2.2	2.2	3.8	4.3
2.2	2.1	2.1	2.1	3.7	4.2
2.3	2.0	2.0	2.0	3.6	4.1
2.4	1.9	1.9	1.9	3.5	4.0
2.5	1.8	1.8	1.8	3.4	3.9
2.6	1.7	1.7	1.7	3.3	3.8