

TABLE OF ABBREVIATIONS

(This list covers most navigation marks in the racing area, whether or not used in the Course Card above.)

<i>Abbr.</i>	<i>Name of Mark</i>	<i>Location</i>	<i>Abbr.</i>	<i>Name of Mark</i>	<i>Location</i>
AA	Armada Racing Mark	Sea	O5	Orwell Number 5 Buoy	R. Orwell
BD	Bridgewood Buoy	R. Orwell	OL	Orwell Buoy	R. Orwell
BH	Beacon Hill Buoy	Harbour	OR	Outer Ridge Buoy	Sea
BL	Bristol Buoy	R. Stour	PB	Parkbright Buoy	R. Orwell
BY	Bay Buoy	R. Orwell	PE	Pye End Buoy	Sea
CB	Cork Sand Yacht Beacon	Sea	PH	Pennyhole	Sea
CG	College Buoy	R. Orwell	PN	Parkeston Buoy	R. Stour
CL	Cork Ledge Racing Mark	Sea	PS	Pepys Buoy	R. Orwell
CR	Collimer Buoy	R. Orwell	RT	Roughs Tower & its buoys	Sea
CS	Cathouse Buoy	R. Orwell	RY	Ramsey Buoy	R. Stour
FY	Fagbury Buoy	R. Orwell	S1	Stour Number 1 Buoy	R. Stour
GD	Guard Buoy	Harbour	SB	Stone Banks Buoy	Sea
GG	Grog Buoy	R. Orwell	SC	South Cork Buoy	Sea
GS	Ganges Buoy	R. Stour	SL	Sunk Light vessel	Sea
HS	Harwich Shelf	Harbour	SN	Stratton Buoy	R. Orwell
LD	Landguard Buoy	Sea	SQ	HPYC Squib dist. mark	R. Orwell
MA	Medusa Buoy	Sea	SS	Shotley Spit Buoy	Harbour
NG	North East Gunfleet Buoy	Sea	SY	SYH offing buoy (R/W)	R. Orwell
O1	Orwell Number 1 Buoy	R. Orwell	TY	Trimley Buoy	R. Orwell
O2	Orwell Number 2 Buoy	R. Orwell	W2	Wallet No. 2 Buoy	Sea
O3	Orwell Number 3 Buoy	R. Orwell	W4	Wallet No. 4 Buoy	Sea
O4	Orwell Number 4 Buoy	R. Orwell			

SEASONAL MARKS

The seasonal racing marks maintained by the Harwich Harbour Authority are in the following approximate positions. They may vary from year to year. Attention to a current chart or to the HHA Notices to Mariners is advised.

AA	Armada Racing Mark	51° 52.83' N, 01° 22.19' E
CL	Cork Ledge Racing Mark	51° 54.50' N, 01° 23.40' E
PH	Pennyhole	51° 53.55' N, 01° 18.00' E
HS	Harwich Shelf	51° 56.84' N, 01° 18.07' E

Positions given are in WGS 84

SHOALS may be encountered in the racing area, and it should not be assumed that the rhumb line between marks has adequate depth for all boats at all states of the tide

HARWICH AREA COURSE CARD 2003

PLEASE READ THESE NOTES BEFORE YOU READ THE COURSES

THIS COURSE CARD is designed so that races can be started and finished where desired in the Rivers Orwell and Stour. The following must be read in conjunction with the Sailing Instructions.

The list of Courses (with permission) of the Haven Series details the course to be sailed from Landguard buoy to seaward. For all courses, the portion inshore of Landguard is subject to the following:

- Starting and finishing lines** will be as indicated in Sailing Instructions.
- For River Starts and Finishes**
Unless otherwise stated all marks in the Rivers Orwell and Stour are to be passed on their correct navigational sides, except as follows –
 - **Pepys** buoy (Orwell) may be left on either side.
 - **College** buoy (Orwell) is to be left to Port outward and Starboard returning.
 - **Ganges, Bristol** and **Parkeston** buoys (Stour) are to be left to Starboard outward and Port returning.
 - **Shotley Spit** and **Guard** buoys are always to be left to Port sailing outward and to Starboard returning, except when rounding Shotley Spit to turn from the Orwell into the Stour.
A competitor may, however, pass either or both on the "wrong" side, if necessary to avoid impeding or creating a close-quarters situation with a commercial vessel, provided that –
 - having done so, she then clears the main channel and returns to her proper racing course by the quickest practical route, and
 - she logs the incident (including date, time and name of commercial vessel) and reports her action to the OOD as soon as possible.

It is the competitor's absolute responsibility to keep well clear of and to avoid impeding commercial traffic continues to apply in full.

- **Harwich Shelf** buoy (when on station) is to be passed on its correct navigational side.

WARNING

- **Yachts are expected to keep out of the deep water shipping channel from Guard to seaward. Many clubs now prohibit navigation within the deep water channel at any time while racing - see Sailing Instructions for any applicable restrictions.**
- **None of the following courses requires a yacht to cross the channel at any point to seaward of Guard.**
- **Endangering shipping by entering the channel could compromise the continued use of these courses.**

No.	Courses - Distances are approximate, in Nautical Miles, based on a Beacon Hill buoy start and finish	Distance
0	A course devised by the Race Officer for the day - see Sailing Instructions	
1	OR(s)	4.5
2	PE(p), OR(p), PE(s)	5.9
3	SB(s)	6.6
4	OR(s), SB(s)	7.4
5	OR(p), CL(s), OR(s)	7.5
6	AA(s)	9.0
7	SB(p), CL(p), OR(s)	9.8
8	AA(s), SB(s), OR(p)	10.6
9	PE(p), OR(p), CL(s), SB(s)	10.6
10	OR(s), SB(s), PE(s), OR(s), SB(s)	12.8
11	MA(p), CL(p), OR(s)	13.0
12	OR(s), SB(p), MA(p), CL(p), OR(s)	13.8
13	OR(p), CL(s), MA(s), SB(s), CL(p), OR(s)	16.2
14	SB(p), CL(p), OR(p), SB(p), AA(p), CL(p), OR(s)	17.1
15	MA(p), CL(p), OR(p), SB(p), AA(p)	19.1
16	OR(s), MA(s), SB(s), OR(s), AA(s), MA(s), SB(s), OR(p)	20.4
17	OR(p), CL(s), MA(s), OR(s), CL(s), AA(s), SB(s)	20.0
18	MA(p), NG(p), RT(p), CB(p), OR(s)	22.0
19	MA(p), W2(p), NG(p), MA(s), AA(p)	22.7
20	MA(p), W2(p), NG(p), RT(p), CB(p), OR(s)	23.2
21	MA(p), NG(p), CB(p), CL(p), AA(s)	23.6
22	OR(p), CL(s), MA(s), OR(s), CL(s), MA(s), SB(s), AA(p)	25.2
23	MA(p), NG(s), W2(s), MA(s), CL(p), SB(s)	26.0
24	MA(p), NG(p), SL(p), CB(p), OR(s)	27.2

25	MA(p), W2(p), NG(p), MA(s), OR(s), CL(s), SB(s)	27.4
26	OR(p), CB(s), RT(s), NG(s), CB(p), OR(p), SB(p), CL(p), OR(s)	28.6
27	MA(p), SL(s), NG(s), MA(s), CL(p), SB(s)	33.5
28	OR(p), CB(s), RT(s), W2(s), MA(s), SB(s), CL(p), OR(s)	25.7
29	PE(p), OR(p)	5.2
30	OR(s), SB(s), PE(s)	7.5
31	OR(s), SB(s), PE(s), OR(p)	9.9
32	OR(p), CL(s), SB(s), OR(p)	10.6
33	OR(s), MA(s), SB(s), OR(p)	12.0
34	MA(p), NG(p), RT(P), W2(s), SB(s), OR(p)	29.2
35	AA(s), SB(s)	9.8
36	SB(p), AA(p), OR(s), CL(p), OR(s)	13.0
37	OR(s), AA(s), OR(s), CL(s), AA(s), OR(p)	15.1
38	SB(p), OR(s), AA(p), CL(p), SB(s)	15.5
39	SB(p), MA(p), AA(p), SB(p), MA(p), AA(p)	18.0
40	OR(s), PH(p), SB(p), PE(s), OR(s), SB(s)	15.0
41	OR(s), PH(p), CL(s), AA(s), OR(p), SB(s)	18.0
42	PE(p), OR(s), PH(s), OR(s), PH(s), OR(s), SB(s)	18.0
43	PE(p), SB(p), PE(p), PH(p), OR(s), SB(s)	15.0
44	PE(p), SB(p), PE(p), PH(p), OR(s), CL(s), SB(s)	18.0
45	SB(p), AA(p), OR(p), PE(p), CL(s), SB(s)	20.0
46	PH(p), PE(s), SB(p), OR(p), SB(p), OR(p), PH(s)	18.0
47	SB(s), PH(s), OR(s), SB(s), PH(s), OR(s), SB(s)	17.0
48	PE(p), SB(p), OR(p), PE(p), SB(p), OR(p), PH(p), SB(p)	18.0