

4CRS COURSE CARD 2011

Start Line – Committee Boat Starts, Buttermans Bay, River Orwell.

This line is a transit of two posts on the south bank of the River Orwell, the riverside post with a yellow triangular top mark, apex up and the rear post marked with white hoops and a yellow triangular top mark, apex down. The northern limit of this line is a Committee Boat, stationed on the north side of the buoyed channel.

Finishing Lines

Race 1 RHYC – This line is a transit of two posts on the south bank of the Orwell, just to eastward of RHYC Marina, the riverside post marked with red and white hoops with a yellow triangular top mark, the rear post is a black and white mast behind the starting box. The northern limit of this line is a white-topped wooden pole to the north side of the buoyed channel and moorings. The two red cans on poles marking RHYC hard and sewer outfall eastward of this line must always be passed on their correct navigational side.

Race 2 OYC – The Finish line is a transit of the following two marks. a) The Flag mast in front of the OYC Start/Finish box, which is a large wooden cabin on the end of the causeway in the mouth of Ostrich Creek. b) A tall post marked "OYC Line" with a square red topmark and square orange mark beneath located in the vicinity of No. 12 Port hand Navigation buoy. The line has no outer limit.

Race 3 SSC - Finish is a line extended from the mast in front of the starting hut at the SE corner of the dinghy park through a post approx 50 m below high water mark. Both mast and post will have tops painted orange. The outer limit will be a laid orange mark approximately on the finish line.

Race 4 PMSC – A line between the Clubhouse mast and No.5 Buoy, (Potter Point).

Committee Boat Finish – In the event that the Race Officer considers that no boat is likely to finish within the time limit he may, at his discretion, decide to shorten the course. The finish would then be between the Committee Boat flying a Blue flag and the adjacent channel mark. The Race Officer would signal the shortened course by hoisting Flag 'S' and making 2 sound signals when the leading boat was close enough.

Harwich Harbour Deep Water Channel and Seaward Approaches

Very Important

Yachts must avoid the Harwich deep water shipping channel and seaward approaches, see Sailing Instructions 18.2 and **18.3 Yachts leaving harbour must leave the navigation buoys Pepys, College, Shotley Spit and Guard to Port. On returning to harbour, the above buoys must be left to Starboard.**
No yacht shall navigate within the deep-water channel to seaward of the Guard buoy.

Abbreviations

	Mark Name	Colour	Location (Guidance only)	
AA	Armada	Yellow	Sea	51° 52.83' N, 01° 22.19' E
BL	Bristol	Green	River Stour	
CF	Cliff Foot	Red	Harwich Harbour	
CG	College	Red	River Orwell	
CL	Cork Ledge	Yellow	Sea	51° 54.50' N, 01° 23.40' E
CR	Collimer	Red	River Orwell	
FG	Fagbury	Green	River Orwell	
FX	Fox's	Yellow	Sea	51° 54.00' N, 01° 21.00' E
HS	Harwich Shelf	E Cardinal	Harwich Harbour	51° 56.84' N, 01° 18.07' E
LD	Landguard	N Cardinal	Sea	
OR	Outer Ridge	Red	Sea	51° 54.88' N, 01° 20.92' E
PS	Pepys	Red	River Orwell	
PE	Pye End	Red/White	Sea	51° 55.00' N, 01° 18.00' E
PH	Penny Hole	Yellow	Sea	51° 53.55' N, 01° 18.00' E
SB	Stone Banks	Red	Sea	51° 53.20' N, 01° 19.20' E
S1	Stour No.1	Green	River Stour	
SH	Shotley Horse	Yellow	Harwich Harbour	

Course	Start direction	Course To Be Sailed	Dist PMSC	Dist RHYC	Dist OYC
1	E	CR(S), FG(P), HS(S), PH(P), FX(P), OR(P), PE(S), HS(P), FG(S), CR(P), FINISH	18.35	19.35	23.35
2	E	CR(S), FG(P), HS(S), CF(P), LD(P), CL(S), SB(S), PH(S), HS(P), FG(S), CR(P), FINISH	21.4	22.4	26.4
3	E	CR(S), FG(P), HS(S), OR(S), SB(P), CL(P), HS(P), FG(S), CR(P), FINISH	21.75	22.75	26.75
4	E	CR(S), FG(P), HS(S), PE(P), OR(S), PH(S), HS(P), FG(S), CR(P), FINISH	17.75	18.75	22.75
5	E	CR(S), FG(P), HS(S), OR(S), PE(S), HS(P), FG(S), CR(P), FINISH	15.1	16.1	20.1
6	E	CR(S), FG(P), HS, (S), OR(S), AA(P), CL(P), HS(P), FG(S), CR(P), FINISH	20.1	21.1	25.1
7	E	CR(S), FG(P), HS(S), PH(P), OR(S), SB(S), HS(P), FG(S), CR(P), FINISH	19.75	20.75	24.75
8	E	CR(S), FG(P), SH(S), S1(S), SH(P), FG(S), CR(P), FINISH	14.6	15.6	19.6
9	E	CR(S), FG(P), SH(S), BL(S), SH(P), FG(S), CR(P), FINISH	9.4	10.4	14.4
10	E or W	Special Course as displayed on the Committee Boat			
11	E	CR (S), FG (P), HS (S), PH (P), AA (P), LD (S), HS (P), SH (P), S1 (S), FINISH	SSC	Course	
12	E	CR (S), FG (P), HS (S), LD (P), CL (S), PH (S), HS (P), SH (P), S1 (S), FINISH	SSC	Course	
13	E	CR (S), FG (P), SH (S), S1 (S), BL (S), S1 (S) FINISH	SSC	Course	