

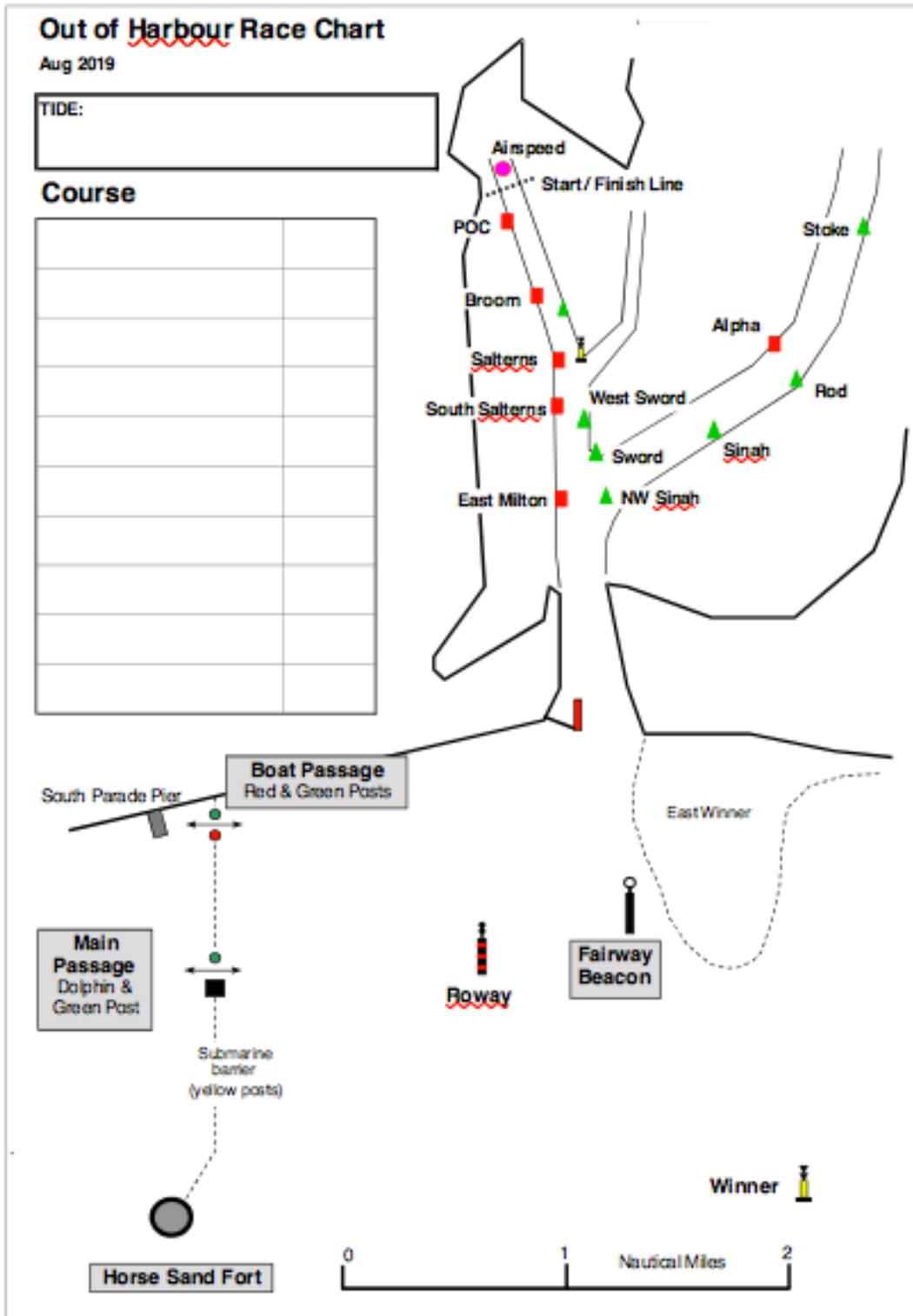
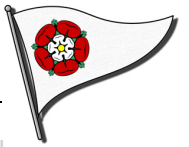
Course Setting Guidelines

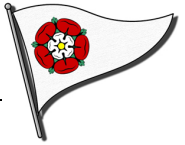
Objective

This document pulls together:

- Langstone Harbour Chart with standard marks identified.
- Some guidance on setting courses on the day
- Suggested courses given varying winds
- Options for the specialized courses: Fairway Beacon, Horse Sand Fort, Binness, Out of Harbour / Long Distance

There is further guidance for Pursuit races and setting short / Saturday / Summer series races with Down Harbour starts.





Standard Dinghy Courses from TSC

These Courses are suggestions and may be modified as required.

They do not apply to races which have special courses such as: Fairway, Horse Sand Fort, Binness, Long Distance, Pursuit Races.

Separate Guidelines apply to the Saturday Cadet Series and LHICS races.

Choosing the Course

There is a sheet of Short Courses and a sheet of Long Courses.

Wind Direction. The courses are listed according to approximate wind direction. Always make sure that you know which is the intended windward mark and check that there will be a proper beat in the course.

As a guide: Wind Strength **Force 1, 2 or 6 → Short Course**

Force 3, 4 or 5 → Long Course

Having said that, in Force 5 conditions it may well be prudent to set a Short Course.

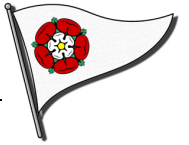
Check that the marks are present, using the binoculars if necessary.

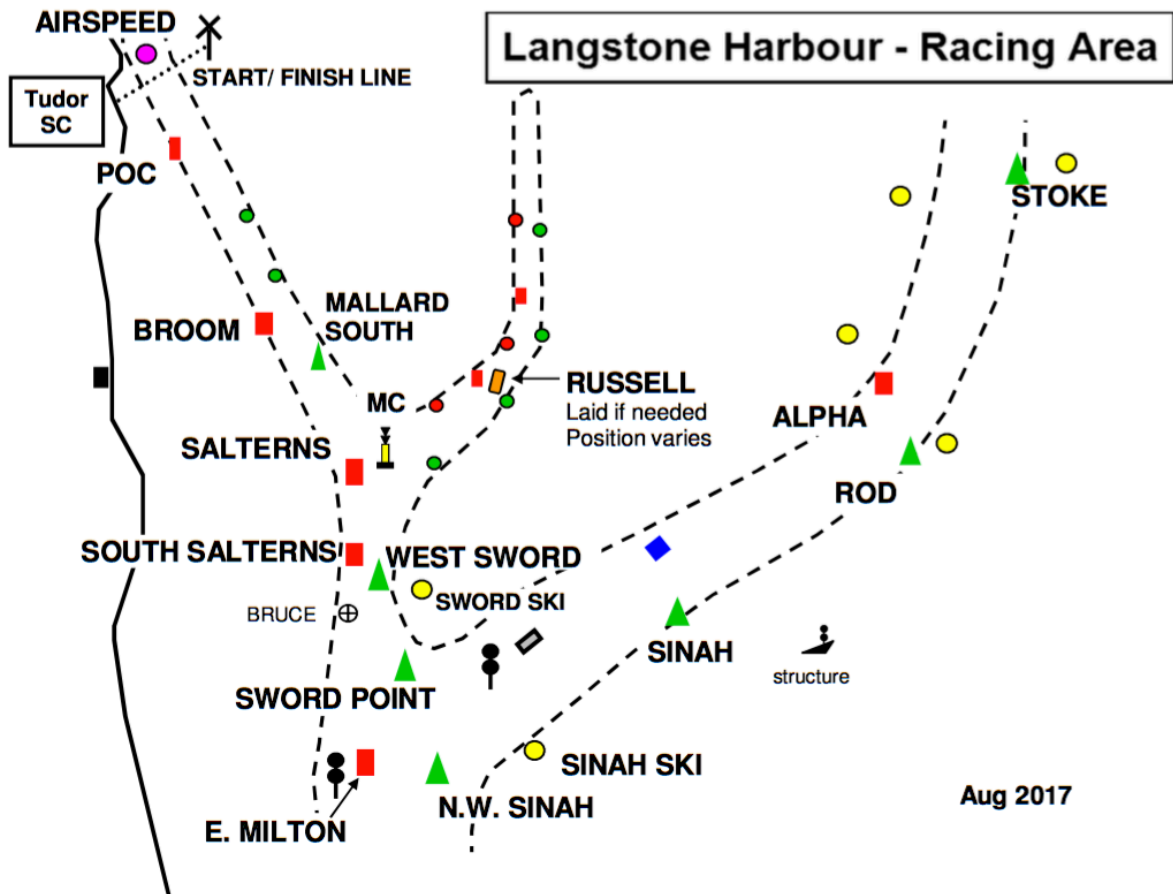
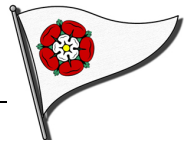
LAPS – Choose the number of laps: usually 2 or 3 laps of a short course or 2 laps of a long course. Remember that the Slow Handicap can always be shortened to sail a lap less than the rest of the fleet.

Laying Marks

Airspeed. All Courses need Airspeed to be laid. As a rough guide, if the race is starting in a Southerly direction Airspeed need only be a short distance North of the Line - no more than half way to Kendall's Quay. If the Race is starting to the North so that Airspeed is the first mark then it should be laid somewhat further from the line to allow the fleet to spread out a little before reaching it.

Russell. Orange Inflatable. All the Short Courses require Russell to be laid. Please ensure that it is laid in sufficient depth of water, especially if the tide is falling. If the East or West Short Courses are being run then please see the notes applicable to those courses.

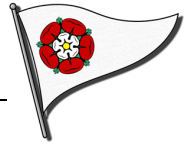




Course Notes:

Short Courses

Where there are two courses listed it is generally the case that the one on the left is a bit shorter than the one on the right. Some courses have an optional section. Include this at your discretion.



SHORT DINGHY COURSES

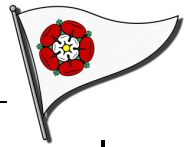
Courses named by approximate wind direction.

Where there are two courses listed the one on the left is generally the shorter.

Russell needs to be laid on the day (see Course Setting notes).

OPTIONAL SECTION

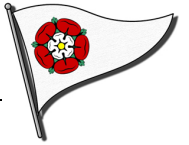
NW Short				N Short			
Airspeed	P	Airspeed	P	Airspeed	P	Airspeed	P
Salterns	P	South		Salterns	P	Salterns	P
Russell	P	Salterns	P	Russell	P	Russell	S
		Russell	P	South		South	
Salterns	P	Salterns	P	Salterns	P	Salterns	S
						Mallard	
Russell	P	Russell	P	Russell	P	South	P
MC	S	Salterns	S	MC	S	Salterns	P
LINE		LINE		LINE		Russell	S
						South	
						Salterns	S
						LINE	
NE Short				E Short			
Airspeed	P	Airspeed	P	Salterns	P	See Note 1	
Salterns	P	South		Russell	P		
Russell	P	Salterns	P	Salterns	P		
		Russell	P				
Salterns	P	South		Russell	P		
Russell	P	Salterns	P	Salterns	P		
MC	S	Russell	P	Russell	P		
LINE		Salterns	S	Russell	P		
		LINE		MC	S		
				Airspeed	P		
				LINE			
SE Short				S Short			
MC	P	South	P	South	P	South	P

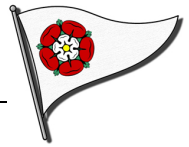


Russell	S	Salterns		Salterns		Salterns	
		Russell	P	Russell	P	Russell	P
		South					
Salterns	S	Salterns	P	Salterns	P	Salterns	S
				South		Mallard	
Broom	S	Russell	P	Salterns	P	South	P
						South	
MC	P	Salterns	S	Russell	P	Salterns	P
Russell	S	Airspeed	P	MC	S	Russell	P
Salterns	S	LINE		Airspeed	P	Salterns	S
Airspeed	P			LINE		Airspeed	P
LINE						LINE	
SW Short				W Short			
Salterns	P	Salterns	P	MC	P	See Note 2	
Russell	S	Russell	S	Russell	S		
		South					
South Salterns	S	Salterns	S	Salterns	S		
Russell	S	Broom	S	Russell	S		
South Salterns	S	Salterns	P	Salterns	S		
Airspeed	P	Russell	S	Russell	S		
		South					
LINE		Salterns	S	Salterns	S		
		Airspeed	P	Airspeed	P		
		LINE		LINE			

Note 1. E Short. For this course, the intended windward leg is from Salterns to Russell. On the chart you will see that in order for Russell to be roughly East of Salterns then it must be taken only a short distance up Russell’s Lake and laid towards the South side of the channel. Even then the direction from Salterns to Russell will still be somewhat North of East. The distance from Salterns to Russell will be short, but the course includes 2 or 3 repetitions of this loop to increase the distance.

Note 2. W Short. The intended windward leg is from Russell to Salterns. See comments under Note 1.





Long Courses.

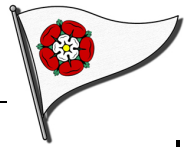
For each wind direction there are two courses suggested. The first one avoids using East Milton or NW Sinah where the tide is strongest. Some courses have an optional section. Include this at your discretion.

Courses named by approximate wind direction.

In each case the first course avoids East Milton & NW Sinah where the tide is strongest.

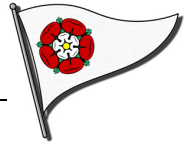
OPTIONAL
SECTION

NW Long				N Long			
Airspeed	P	Airspeed	P	Airspeed	P	Airspeed	P
South							
Salterns	P	East Milton	P	Sword	P	Sword	P
Sinah	P	Rod	S	Rod	S	Rod	S
						East Milton	S
Alpha	P	NW Sinah	S	Sinah	S	Mallard	S
		South		South		South	S
Sword	S	Salterns	S	Salterns	S	South	S
				Mallard		Salterns	S
Broom	P	Sinah	S	South	S		
				South			
Salterns	P	Sword	S	Salterns	S		
LINE		LINE		LINE		LINE	
NE Long				E Long			
Airspeed	P	Airspeed	P	South		South	
Sword	P	East Milton	P	Salterns	P	Salterns	P
				Sinah	P	Sinah	S
Alpha	S	Alpha	S	South		NW	
Sinah	S	Sinah	S	Salterns	P	Sinah	S
				Sinah	P	Sword	S
Apha	S	Alpha	S	South			
				Salterns	P	Sinah	S
Sinah	S	NW Sinah	S	Sinah	P	NW	
South						Sinah	S
Salterns	S	LINE		Sword	S	Airspeed	P
LINE				Airspeed	P	LINE	
				LINE			



<p>SE Long</p> <p>South Salterns P Rod S Sword S Broom S Salterns S Airspeed P LINE</p>	<p>South Salterns P Rod S NW Sinah S Salterns S Sinah Ski* S East Milton S Airspeed P LINE</p> <p>*See Note 3</p>	<p>S Long</p> <p>South Salterns P Rod S Sword S Airspeed P LINE</p>	<p>East Milton P Alpha P Sword S Salterns P East Milton P Sinah P Sword S Airspeed P LINE</p>
<p>SW Long</p> <p>South Salterns P Alpha S Sinah Ski* S Salterns P South Salterns P Sinah S Sinah Ski* S Airspeed P LINE</p> <p>*See Note 3</p>	<p>South Salterns P Alpha S N W Sinah S Salterns P South Salterns P Sinah S N W Sinah S Airspeed P LINE</p>	<p>W Long</p> <p>South Salterns P Sinah P South Salterns P Sinah P South Salterns P Sinah P Sword S Airspeed P LINE</p>	<p>East Milton P Sinah P South Salterns P East Milton P Sinah P Sword S Airspeed P LINE</p>

Note 3. SW Long(1) & SE Long(2): Use Sinah Ski which is only accessible within ~2 hours of High Water.



Binness Race

Course Setting Guide

Clockwise or Anticlockwise?

The main decision to make is which way round the course should be set. The key part of the course is the narrow section between North Binness Island and Farlington Nature Reserve on its West side. The course should be set so that boats do not have to beat through this section. With prevailing SW winds this section would be sailed in a Northerly direction meaning that the usual course for this race is Clockwise around the islands. But if the wind has some North in it so that this section looks like being a beat sailed from South to North, then the course should be set 'Anticlockwise' so that this narrow passage is sailed North to South.

Basic Clockwise Course

Salterns		P
Oyster Island		P
North Binness		S
'G' Post		S
Stoke		S
Rod		S
Sinah		S
Sword		S
Line		

Basic Anti-clockwise Course

South Salterns		P
Sinah		P
Rod		P
Stoke		P
'G' Post		P
North Binness		P
Oyster Island		S
Salterns		S
Line		

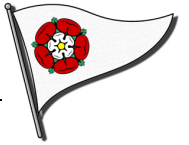
Options

Airspeed (P)

Could be used as the first mark in the Anti-clockwise course if the wind is in the North, for a better start. Recommended but not essential.

Time Limit

The standard time limit from the Sailing Instructions will usually be sufficient, but if the wind is light then it would be advisable to increase the time limit. This is a midday race, generally, for tidal reasons, and so there will be plenty of time to complete the race.



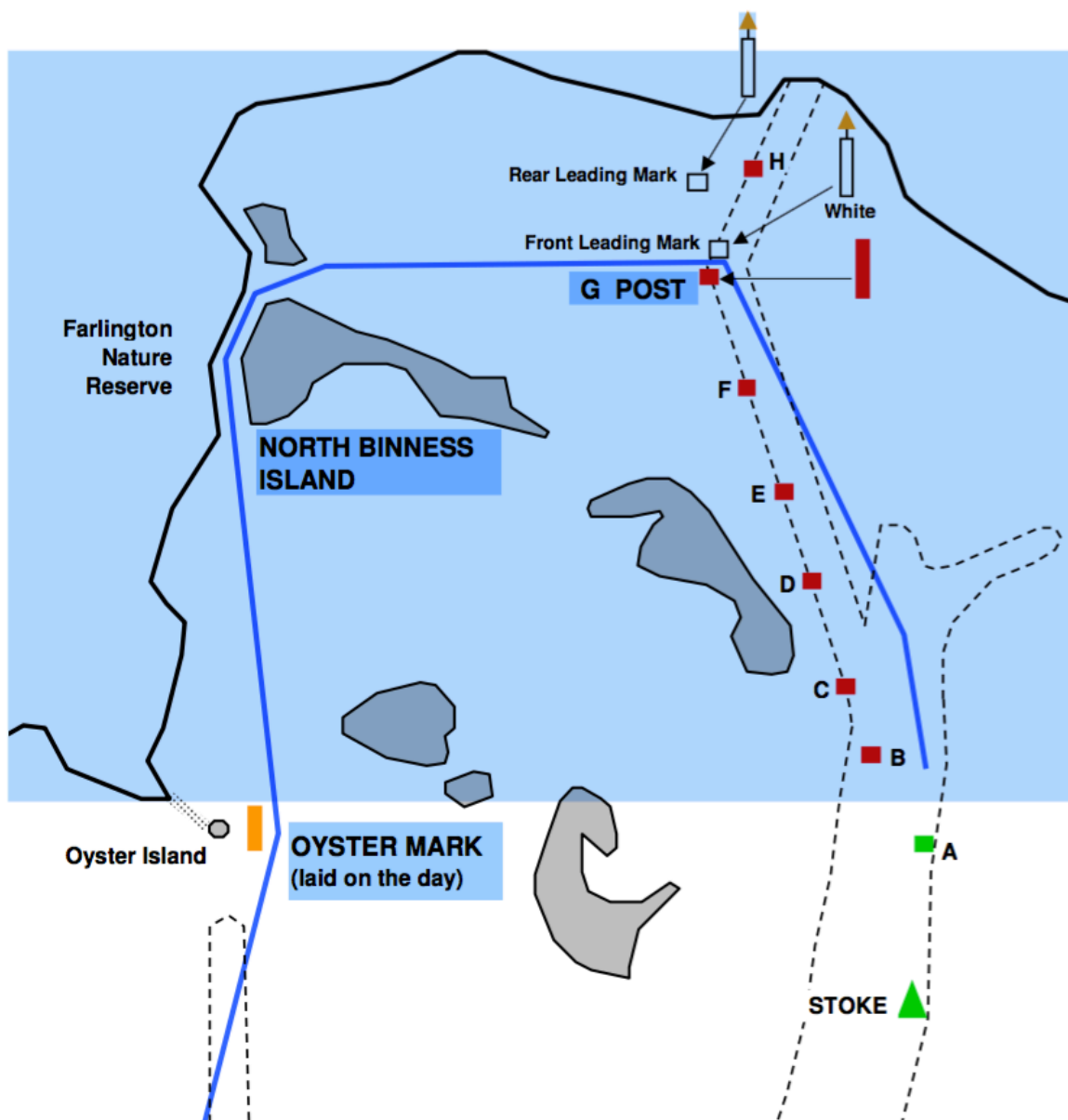
Course Display

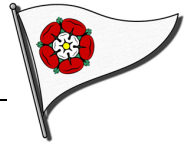
There is a detailed diagram showing the section of the course around North Binness Island.

This shows the correct identification of 'G' Post.

Please put this chart out on display with the course and signing-on sheet.

Binness Race - Course Detail





Horse Sand Fort Race

Course Setting Guide

A

Fairway Beacon	S
Main Passage	E to W
Horse Sand Fort	P
Fairway Beacon	P
Line	

Course A is the basic Horse Sand Fort course, rounding the Fort to Port.

B

Fairway Beacon	S
Horse Sand Fort	S
Main Passage	W to E
Fairway Beacon	P
Line	

Course B is a version of the basic course which rounds the Fort to Starboard instead of Port.

Options

Boat Passage

This may be used instead of the Main Passage if desired for a longer course or a better wind angle for one of the out-of-harbour legs.

Airspeed

Airspeed buoy may be laid and used as follows:

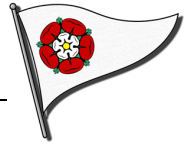
If the wind is a Northerly then Airspeed would give a proper Windward start to the race

Some Race Officers prefer to have Airspeed set as the final mark before finishing so as to minimise the chance of not observing boats as they return from this long race.

Airspeed could be laid and used for both these reasons if desired.

Example:

Airspeed	P
Fairway Beacon	S
Main Passage	E to W
Horse Sand Fort	P
Fairway Beacon	P
Airspeed	P
Line	



Time Limit

Remember to specify a time limit on the signing on sheet, otherwise the limit specified in the Sailing Instructions will apply to the first boat. A limit of 4 hours would not be unreasonable, or more in light winds.
The race has been known to take over 5 hours due to a lull outside the harbour

Fairway Beacon Race

Course Setting Guide

Basic Course

Fairway Beacon	P
E Milton	S
Alpha	S
N W Sinah	S
Line	

Options

Sinah

Use Sinah instead of Rod or Alpha to set a shorter course.

Airspeed

Airspeed may be laid and used as follows:

If the wind is in the North or Northwest then Airspeed would give a proper Windward start to the race.

Some Race Officers prefer to have Airspeed set as the final mark before finishing so as to minimise the chance of not observing boats as they return from this long race.

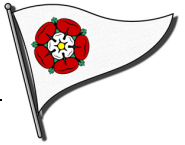
Airspeed could be laid and used for both these reasons if desired.

Example:

Airspeed	P
Fairway Beacon	P
E Milton	S
Alpha	S
N W Sinah	S
Airspeed	P
Line	

Time Limit

Remember to specify a time limit on the signing on sheet, otherwise the limit specified in the Sailing Instructions will apply to the first boat. A long limit will be needed in light and fluky winds.



Long Distance Race

Course Setting Guide

The Long Distance Race is described as being:

“.. a Handicap Race of normally at least 12 miles which can be held within or outside of Langstone Harbour”

The distance of 12 Miles is not to be taken too literally. In a good breeze then a full 12M+ course could be set. But if the wind is light then 12M may take a very long time and be impractical. In such cases a shorter course could be set but the principle of it being a LONG race should be preserved with reference to Time rather than Distance - the race taking a significantly longer time than a standard club race.

Note that there is a maximum yardstick specified for entrants in this race. Boats with a greater yardstick (ie slower) can enter the Boxall Race which is usually held at the same time.

Considerations

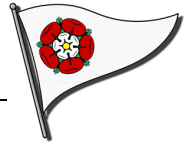
If the wind is light, then it might not be realistic to set a full 12 Mile course. Or the course could be set as 2 or 3 laps allowing shortening if necessary.

If the wind is strong or likely to become so, then again, a 2 or 3 lap course may be prudent to allow for shortening if conditions deteriorate.

If the race is being sailed around Low Water then the course may take boats out of the harbour, either East or West (but see "Out of Harbour" notes below). If the race is being sailed around High Water then the option to go out of harbour and back is usually not there since boats will be fighting the tide in the harbour entrance, probably in both directions.

Time Limit

Remember to specify a time limit on the signing on sheet, otherwise the limit specified in the Sailing Instructions will apply to the first boat. A limit of 5 hours would not be unreasonable in light winds.



Example Courses - In Harbour

Simplest Option

East Milton	P
Stoke	S
N W Sinah	S
Airspeed	P
Line	
1 lap = 6 miles	
Set 2 Laps	

This is probably the simplest course which meets the requirements – but it is not very original (simple to remember though!).

Short Lap Option (For bad weather or light winds)

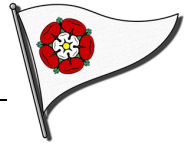
Salterns	P
Russell	P
Salterns	P
Russell	P
Salterns	P
Russell	P
MC	S
Airspeed	P
Line	
1 lap = 4 Miles	
Set 3 Laps	

Single Lap Options

The following are one-lap courses which include a variety of compass directions around the harbour to cover most wind directions. Modifications could easily be made. The shaded bits could be left out for a slightly shorter (1M less) course. Salterns could be used instead of Broom for a slightly shorter (1M more) course. etc etc.

For N, NW, SW, or E winds

For NE, S, SE or W winds



South Salterns	P
Rod	P
Stoke	P
N W Sinah # (see note)	S
Broom	P
South Salterns	P
Rod	P
Stoke	P
N W Sinah # (see note)	S
Sinah	P
Sword	S
Airspeed	P
Line	

13 Miles

Sword		P
Sinah		S
N W Sinah # (see note)		P
Stoke		S
Rod		S
South Salterns		S
Broom		S
N W Sinah # (see note)		P
Stoke		S
Rod		S
South Salterns		S
Airspeed		P
Line		

13 Miles

Notes:

If there is likely to be a strong tidal stream ar NW Sinah, then Sinah Ski could be used PROVIDED that the height of tide is sufficient,

The shaded bits could be left out for a slightly shorter (1M less) course. Salterns could be used instead of Broom for a slightly shorter (1M less) course etc..

Harbour Tour (1)

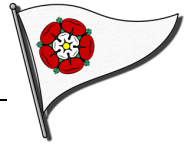
Salterns	P
North Russell	S
East Milton	P
Stoke	P
'G' Post	S
Bridge	S
Sinah Ski	S
South Salterns	S
North Russell	P
Salterns	S
Airspeed	P
Line	
12 miles	

This course is a Harbour Tour and includes the Northern part of Russell's Lake and the NE corner of the Harbour.

"North Russell" means an orange inflatable laid further north in Russell's lake than usual for "Russell".

Make sure that all competitors know the meaning of "G Post". See the detailed Langstone Harbour Chart" and display on Notice Board.

Harbour Tour (2)



This variation on the Harbour Tour does not use the Orange in Russell's Lake instead going twice around the triangle in the North Eastern Corner up to 'G' Post.

East Milton	P
Rod	P
'G' Post	S
Bridge	S
Stoke	S
'G' Post	S
Bridge	S
Sinah	S
South Salterns	S
Airspeed	P
Line	
13 miles	

Example Courses - Out of Harbour

Submarine Barrier Course

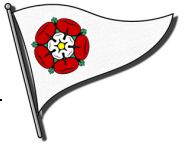
Fairway Beacon	S
Boat Passage *	E to W
Main Passage *	W to E
Fairway Beacon	P
N W Sinah	S
Sinah	P
Sword	S
Airspeed	P
Line	
12 miles	

Notes:

* or Main Passage E to W followed by Boat Passage W to E , depending on wind direction

See the Out of Harbour Race Chart” for details of the Marks .

Course Setting Guidelines



An out of harbour course should only be set after careful consideration of the current and expected weather, and after prior discussion with the safety boat drivers and sailing committee members.

