



To be held at the

**Weymouth and Portland National Sailing Academy**

**Saturday 15<sup>th</sup> October to Friday 21<sup>st</sup> October 2011**

## **“Event Guide”**

Chairman of the organising committee

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Data Protection Act 1998 Registration Number Z1682859

To be held at the Weymouth & Portland National Sailing Academy, Osprey Quay,  
Portland, DT5 1SA telephone 01305 866000

## Final Issue for 2011

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### Important Notice to all Competitors

The safety of a Boat, Sailboard or Kite board and her entire management, including insurance, shall be the sole responsibility of the Owner/Competitor racing or using the Boat, Sailboard or Kite board for any purpose.

The issue of sailing instructions, or any other directives, either verbal, written, or implied in no way limits or reduces the complete responsibility of the Owner/Competitor for their crew and the management thereof.

The Event Organisers, the Host Club, or any Class Association will not be liable for any loss, damage, death or personal injury howsoever caused to the Owner/Competitor or any of their crew as a result of their taking part in the trials, or races.

Moreover every Owner/Competitor warrants the suitability of his/her Boat, Sailboard or Kite board for the trials, race or races.

All Boats, Sailboards or Kite boards shall be insured against Third Party Liability for a minimum of £2,000,000. This is a condition of entry to Weymouth Speed Week.

All competitors should attend the 09:30 briefing and must, before going on the course, ensure that they have been briefed by the Course Manager and made aware of any safety instructions pertinent to that day.

### Definitions

A **Youth** is less than 17 years of age on the first day of Speed Week

A **Master** is 45 years of age or older

A **Novice** is someone who has never entered a competitive sailing event before.

An **Amateur** is someone who has no sponsorship or financial support from others e.g. their employer or local shop and hasn't won a Masters or Amateur prize at Weymouth Speed Week before, and is not a regular racer.

A **Gold Fleet Sailor** is someone who has won an Amateur or Masters Prize, or receives some assistance from a sponsor, such as discounted equipment or financial support to attend events, or races regularly.

A **Pro Windsurfer** is someone who derives financial benefit from the sport

A **Kite Board** is classified as a kite propelled craft that hasn't sufficient buoyancy to support its crew when stationary.

A **Sailboard** has a sail, or sails, with a pivot at its base such that the sailor supports the sail.

A **Boat** is anything that sails which isn't a Kite board or Sailboard; it may have sails, kites or rotors to propel it and solely use non stored wind energy as the power source.

### Competitor Check List for Registration

- Bring your GT31 (if you have one) to registration – we will check it and the ID
- Bring a £20 deposit for the event rash vest (refundable)
- If you are hiring a GT31 bring a £120 deposit (refundable)
- GT31 hire costs £10 for 2 days hire or £20 for the week
- Check the details we hold for you are correct
- Collect your printed Event Guide, Event T Shirt, Rash Vest, Car Park Tickets and complimentary Event Tickets and GT31

Cheques should be made payable to "Weymouth Speed Week"

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### Entry to the Event

For practical and safety reasons we aim to limit the total number of competitors on the water at any time to a maximum of 100, the event will be oversubscribed so book early to avoid disappointment. **Entry is only secured on payment of the appropriate fee following completion of on-line registration.**

There are three options for entering the event:

- 1) The full week, for which up to 100 places are available,
- 2) any 2 days of your choice for which no more than 20 places are available
- 3) Youths at the weekend only.

The fees are £165, £70 and £35 respectively. These fees are for the use of the Weymouth and Portland National Sailing Academy including all launching and mooring fees due to the Portland Port Authority, the provision of competitor's vests, the boats used on the course, rescue boats, fuel and crews. The event is non profit making. Prizes, parties and event shirts are provided by our generous event sponsors. Please support them.

Competitors may compete with any wind powered sailing craft.

### The Organisers

Chairman	Nick Povey
Event Manager & Hon Treasurer	Norman Phillips
Promotions Manager	Pete Davis
Course Manager	Mark Deverell
Race Officer	Paul Sibley
Event Admin & Competitor Contact	Sue Deverell
GPS Timing and Results Software	Manfred Fuchs, Tim Daish
Speed Results	Paul Hibbert/Nick Povey
Web Site	Nick Povey
Graphic Design	Charles Wilson, <a href="http://natural-design.co.uk">natural-design.co.uk</a>

Weymouth and Portland National Sailing Academy      Chris Knight

### Contact details during Weymouth Speed Week

During the Weymouth Speed Week event the following people will have access to 2 way radios and remain in contact with the timing boats, club house, beach and rescue boats.

Nick Povey	07801 757505
Norman Philips	07763 224585
Pete Davis	07795 183243 (press and related enquiries)
WPNSA Reception	01305 866000

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### Introduction to Weymouth Speed Week

The event is centred on an accurately measured 500 metre course located in Portland Harbour. This provides the challenge for the speed sailor to pit his wits against the elements and endeavour to raise the World Speed Record upwards from the current absolute speed of 55.65 knots set by Robert Douglas a USA kite rider.

In the 1970's and 1980's Weymouth Speed Week attracted many thousands of pounds of sponsorship money and competitors attended by invitation. During the 1990's Weymouth Speed Week was run entirely by the voluntary efforts of a few individuals with the co-operation of Weymouth and Portland Borough Council and the support of the Weymouth Sailing Centre and Amateur Yacht Research Society who assisted by donating prizes each year. In addition individuals made their sailing boats available for use as 'course boats' during the week. The effort of all these organisations and individuals has ensured that Weymouth Speed Week is the enjoyable and exciting event that it is today.

The lack of rules provides the ideal proving ground for both experts and dreamers to build the type of boats, which, but for Weymouth Speed Week would never see the light of day. There are NO restrictions as to who may enter and all types of sailing craft are welcome. Weymouth Speed Week is a unique event. In recent years we have witnessed World Champion and Record holding professionals sailing on the same course as novices and juniors.

In the past few years Speed Sailing has witnessed a battle between kite, boat and sailboard. The sailboards were the first to break the record of 46.52kt set in 1993 by Simon McKeon in his boat Yellow Pages. Frenchman Antoine Albeau achieved 49.09kt in 2009, the fastest speed recorded by a windsurfer over 500m. However the kite boards sailing at Luderitz were edging towards and then breaking the 50kt barrier, with a highest speed of 50.57kt recorded by another Frenchman, Alexandre Caizergues. All the while the British designed boat Sail Rocket sailing in Walvis Bay, Namibia was inching towards the record; however the massive French hydrofoil "Hydroptere" regained the 500m title later in 2009 with a speed of 51.36kt. Since then the highest speeds have all been set by kites. The record is now 55.65 knots set by Robert Douglas a USA kite rider. And the Sail Rocket team are testing their new boat.....



Portland harbour is bounded on its south western side (the direction from which the prevailing wind blows) by Chesil Bank. Chesil Bank is a huge natural breakwater that stops the waves but not the wind. Thus within Portland Harbour ideal speed sailing conditions of smooth strong winds and flat water occur.

Spectators are always welcome, the Weymouth & Portland National Sailing Academy, the venue for the 2012 Olympic sailing events, is open to visitors during Speed Week.



## **Final Issue for 2011**

### **Details of the 2011 Event**

The event will be based at the Weymouth and Portland National Sailing Academy located at the Portland end of Chesil Beach. This is the 2012 Olympics sailing venue.

The Weymouth and Portland National Sailing Academy has all the facilities of a world class sailing club, refreshments are available throughout the day. There is adequate parking for cars and trailers. Campers and motor homes are allowed on the site. For people who want to camp on the site it is important that arrangements are made with the Weymouth and Portland National Sailing Academy telephone 01305 866000. Local by-laws, which limit the area for camping, are strictly enforced and the instructions given by the WPNSA must be followed.

Social events are arranged throughout the week, where these require catering arrangements tickets for attending these events must be obtained at least 24 hours before from the event office.

Motor vehicles and trailers should be kept in the designated car parking areas and not in the boat park. Slipways must be kept as clear as possible and launching trolleys moved to the boat park.

### **Insurance**

All competitors must have third party insurance cover for £2,000,000.

### **Briefing**

All competitors must attend the 09:30 briefing and must, before going on the course, ensure that they have been briefed by one of the course managers and made aware of any safety instructions pertinent to that day.

### **Safety**

If you intend to go on the water ensure that you have adequate protection from the weather. Life jackets or buoyancy aids should be worn at all times when on the water. Only buoyant weight jackets are permitted. Always remember to look out for people in the water and if you see someone check that he or she is not in difficulties - do not assume anything. Safety must be of paramount importance. If someone falls overboard from a boat or is seen to be in danger then everything stops until he or she is rescued.

At the "Weymouth Water Sports" beach, OTC cabin, and all rescue boats there will be someone with a radio and a telephone. If you are aware of any potential safety problem report it to them promptly.

### **Vests**

To distinguish Weymouth Speed Week competitors from other people on the water you will be asked to wear a Weymouth Speed Week rash vest. These will be available from the event office; a £20 refundable deposit will be required.

### **Support Boats**

Competitor's support boats are included in the entry fee. However all boats need a receipt to be shown to the Portland Port 'traffic warden' in the event that you are asked to do so. If you require a receipt they will be available from the event office. The Amateur Yacht Research Society provides a RIB that is available as a support boat. Please ask if you require its services to help get to or from the course or for support during testing.

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### Sessions

The course(s) are scheduled to open at 10:30 and close at 16:30. Exceptions to this are the first day of Weymouth Speed Week when the course(s) open at 11:00 and the Sunday and Friday when the course(s) will close at 16:00 to allow for prize giving.

If exceptionally good conditions are being experienced the organisers will endeavour to take advantage of these by extending the normal session a further 30 or 60 minutes – In this event yellow flags will be prominently flown by the safety boats which will endeavour to signal to all on the water, in addition Tannoy announcements will be made in the launch areas. Similarly if the forecast winds and tides look exceptional then an early morning start may be declared, check the event notice board before leaving the academy each night.

### The Courses

The form the competition takes is based on a 500m course. The laying and operation of the courses is under the direction of the Race Officer (who will be on the water). The Race Officer will be aided by the Course Director who will provide the weather forecasts, tide information and coordination between shore and water. It is the aim of the organisers to set the most advantageous course possible for high speeds. The course can only operate by agreement of the appointed WPNSA Safety Officer who has absolute discretion regarding all aspects of the conduct of the competition.

If conditions permit there will be two courses available to competitors, a harbour course and a shore course. Both courses are '**one way**' only and competitors must keep clear of the courses at all times unless making a speed run.

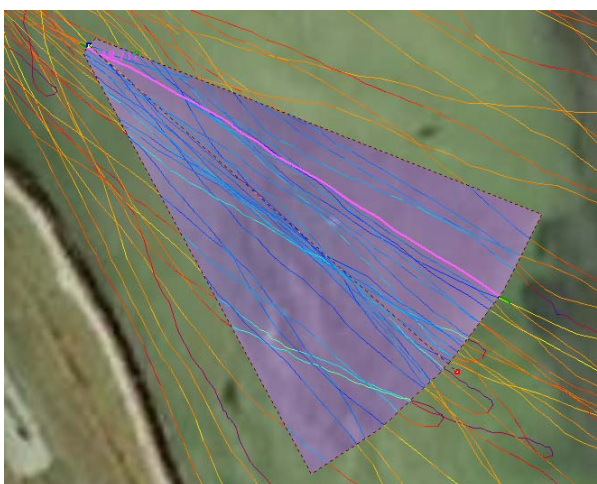
Enter the course **between** the two marks flying green flags.

There is no limit to the number of runs that can be made.

### Harbour course – “Piece of Cake” 500m arc.

The end of the course is defined as an arc from the point where the competitor crosses the start line (this is done accurately by software when calculating the results). An arc of buoys is positioned to indicate to competitors 500m distance. Competitors should continue well beyond the course where they should tack and make their way upwind and well away from the course ready to make another run. Be aware that boats may well sail closer to the wind – give them room to complete their runs.

This depicts **GPSResults** being used in the '**piece of cake**' mode where the start gate has



a fixed width marked by a pair of buoys (which must be sailed between) and the speeds are determined within a segment with a pre-defined angle (typically 60 degrees overall). An arc of buoys will indicate to competitors the distance that needs to be sailed in order to be sure of covering a 500m. The speeds are computed from the straight line distance taken from the crossing point of the start line until 500m are reached (the actual travelled distance may be larger due to a curved trajectory).



## Final Issue for 2011

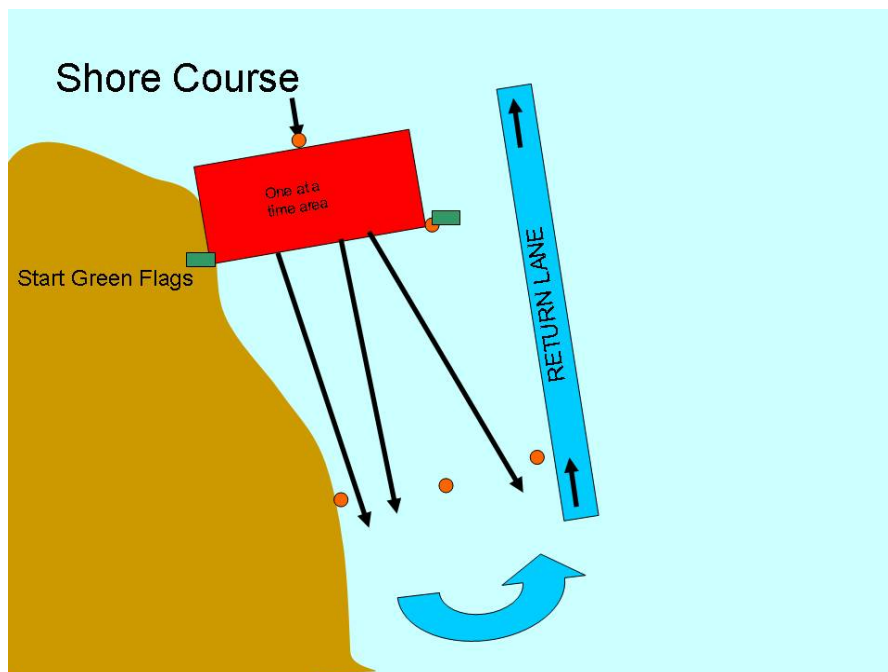
### Shore course

This course is used in south westerly winds. At the start end of the shore course a buoy will be positioned on the centre line approximately 50m before the start line. **This 'lead-in' provides an area in which only one competitor at a time should be,** competitors should remain outside of this area until it is their turn to make a speed run.

Speeds on the shore course are computed in exactly the same way as for the harbour course described above; the speeds are computed from the straight line distance taken from the crossing point of the start line until 500m are reached. However to accommodate kite boards and craft wanting to use shallow chop free water the start line will extend from the shore (where a flag will be positioned) to an outer buoy flying a green flag. Thus the start line may be in the region of 150m in length. Sailboards should remain aware of the water depth. Those boats that require considerable water depth should not use the shore course.

If possible we will set a starboard course as illustrated, however there may be occasions when it is necessary to set a port course. Note the positions of the main orange marker buoys.

These new courses have two major advantages – they can accommodate wind shifts of 20 degrees or so without needing to be re-laid and different types of craft can sail on their individual fastest wind angle.



### Flags

The meaning of the flags flying on the course buoys or safety boats are as follows:

- **Red** flag - the course is closed.
- **Green** flag the course is open.



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### **Prizes**

There are three 'traditional' Weymouth Speed Week prizes each day. These are engraved tankards donated by the Amateur Yacht Research Society and are for the fastest boat, the fastest sailboard and the fastest kite board. These are presented the following morning at the 09:30 briefing. In addition sponsors are presenting prizes that will be awarded at the end of the week to the top three competitors in each category (see below) and to the Youth Fleet following their two days of competition.

- Youth Fleet (sailboard, first weekend only, less than 17 years)
- Novice Fleet (sailboard or kite board, first time in any sailing competition)
- Amateur Sailboard Fleet (not Novice, Gold or Pro) Note: The Amateur Sailboard fleet is sub-divided between Masters, age 45 years or more, and the rest.
- Gold Fleet (sailboard or kite board, assisted by sponsor or a previous Amateur prize winner)
- Pro Fleet (sailboard or kite board, derives financial benefit from the sport)
- Women's Fleet (sailboard)
- Sailboard Fleet (board with the sail supported by the rider)
- Kite Fleet (kite propelled, sinks when stationary)
- Boat Fleet (not a sail or kite board, may have sails, kites or rotors)
- Overall Fastest of the Week

### **Sponsors**

- Simmer - Prizes including \$1000 prize for a new Weymouth Speed Week record
- AYRS (Amateur Yacht Research Society) - Glass Tankards - Fastest Kite, Boat & Sailboard each day
- Baker Academy & Neilson – Holiday
- Boardwise – Event Shirts
- Fanatic – Event Shirts
- Ion – Event Shirts
- Mistral – Prizes
- Natural Design - Graphics and Ads for Boards and Windsurf magazines
- North – Event Shirts
- OTC - Saturday Night Welcome Party
- Pura Vida - Event Shirts and Prizes
- Spartan - Wetsuits and Prizes
- Tushingham - Youth Fleet Prizes
- Weymouth and Portland Borough Council – Parking
- Weymouth Water Sports - Custom Kite Board
- Windsurfing 4 Cancer Research - "Skittles Night" Tankard
- Windtek – Fastest Techno and "Feature" prizes
- WPNSA - Venue hosts
- [www.gps-speed.com](http://www.gps-speed.com) - GPS Software customised for Weymouth Speed Week
- [www.gps-speed.co.uk](http://www.gps-speed.co.uk) - Discounted GPS units for competitors (and availability of spares in case of breakage during the week)
- [www.shop4leatherman.co.uk](http://www.shop4leatherman.co.uk) - Leatherman 'Skeletool' Prizes

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### Use of GT31 GPS Units

At Weymouth Speed Week 2011 there are two options - a) use you own unit or b) rent one from the organisers.

#### a) - If you are using your own unit then the following applies:

1. Before the event check the firmware and check if an update is necessary, then check the settings. See [www.SpeedSailing.com](http://www.SpeedSailing.com)
2. Make sure that the ID you have entered is **exactly** as the one you entered when registering.
3. Ensure the unit is fully charged and you are sure it is able to write data to a good formatted SD card.
4. Turn on the unit and leave outside for 10 minutes before going on the water.
5. Go sailing – **Do not turn the unit off during the day.**
6. Bring the unit back to the "data collection point" (we believe this will be a tent set up outside the Academy) **No later then 30 minutes after the course closes.**
7. WSW will turn the unit off and **copy** your data.
8. The unit and SD card will be returned to you and it is your responsibility to charge the unit and ensure sufficient memory capacity remains for the next day.

#### b) - If you are renting a unit then please read the following:

1. Bring a deposit for £120 (preferably a cheque made out to "Weymouth Speed Week") this is fully refundable. The cost to rent a unit and Aquapac will be £20 for the week or £10 for two days.
2. Collect the unit each morning from the "data collection point" (we believe this will be a tent set up outside the Academy). The GT31 will have been prepared, turned on and placed in an Aquapac ready for your use.
3. Go sailing - **Do not turn the unit off during the day.**
4. Bring the unit back to the "data collection point" **No later then 30 minutes after the course closes.**
5. WSW will turn the unit off and read your data.
6. WSW will charge the unit overnight and prepare it for use the following day.
7. Don't forget to return the unit and collect your deposit before leaving Weymouth.

### Results

The results are reviewed and approved by the official adjudicator whose decision is final. As Weymouth Speed Week is not controlled by any other organisation or governing body, any decisions taken by the committee are final and not subject to review by third parties. The ISWC, UKWA and BKSA will separately adjudicate any results utilised by these organisations.

**PORTLAND HARBOUR AUTHORITY LIMITED**

Portland Harbour Authority Limited as the Harbour Authority  
Gives the following Direction:

**GENERAL DIRECTION**

No 1 of 2005

**Kite Surfing in Portland Harbour**

1. This Direction is given to any person having or taking command, charge, management or conduct for the time being of any surf board or similar vessel powered by a kite. This Direction shall apply in all parts of Portland Harbour and shall apply at all times.
2. Before operating any surfboard or similar vessel powered by a kite in Portland Harbour any person to which this Direction is given must be in possession of a "Permit to Kite Surf", such permit having been issued by the Harbour Authority. Persons wishing to apply for a permit should telephone 01305 824044.
3. A "Permit to Kite Surf" will only be issued to persons holding a British Kite Surfing Association qualification or to persons undergoing training at the Paracademy situated at Blue Water Horizons.
4. Persons issued a "Permit to Kite Surf" must also register with the Paracademy before taking to the water at the commencement of each kite surfing operation.
5. Kite Surfing is not permitted during onshore winds. This is indicated by the flying of a red flag at Ferrybridge.
6. General Direction No 3 of 2002 is hereby revoked.
7. Failure to comply with this Direction is an offence and offenders may be prosecuted.

J Davies  
Director and Chief Executive  
Portland Harbour Authority Limited  
01 March 2005

*Owners, Operators, Agents, Masters, Yacht Club and recreational sailing organisations are requested that this Direction is made known to all persons that use Portland Harbour*

**2011 Note:** Blue Water Horizons no longer exists; it was the boat yard at Ferrybridge.

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### Timing and Results Generation Background

In very simple terms this is achieved by each competitor recording their position accurately with a GPS unit every second of the day.

This data is downloaded from each competitor and combined into one big file at the end of the day. In addition the file created by you when you registered is available as reference data and a file of wind speed and wind direction recorded every 30 seconds is available.

We carefully enter the start and finish time and the start and finish line information for each session and each course into Manfred Fuchs' GPSResults software [www.GPS-Speed.com](http://www.GPS-Speed.com). This then calculates the time, speed, duration and direction of each 500m run recorded by a particular GT31 unit.

These "preliminary results" files for a specific day are then read by Tim Daish's Excel macro [www.SSerpant.net](http://www.SSerpant.net) where some more clever calculations are performed to bring in the appropriate competitor information from the registration file, look up the wind speed and direction recorded during the run and calculate the average values and then use this data to sort and output the various results reports and web pages that we require. Including speed to wind speed ratios and course angle sailed relative to the wind.

We use a Kestrel 4500 BT supplied by [www.GPS-Speed.co.uk](http://www.GPS-Speed.co.uk) to log the wind speed and wind direction.



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### **Itinerary for the Week**

#### **Saturday 15<sup>th</sup> October**

- Briefing 09:30
- Course(s) opens 11:00 close 16:30.
- Welcome party in the WPNSA sponsored by OTC - Restaurant 18:00 – 21:00

#### **Sunday 16<sup>th</sup> October**

- Briefing 09:30
- Course(s) opens 10:00 close 16:30.
- 18:00 Youth Prize giving.
- Evening meal. The Old Rooms Weymouth Harbour from 19:30.

#### **Monday 17<sup>th</sup> October**

- Welcome & Briefing 09:30
- Course(s) opens 10:00 close 16:30.
- W4CR Skittles at the Chapelhay Tavern, Franchise Street on Monday 20:30

#### **Tuesday 18<sup>th</sup> October**

- Briefing 09:30
- Course(s) opens 10:00 close 16:30.
- Evening meal at the Turks Head from 18:30 onwards.

#### **Wednesday 19<sup>th</sup> October**

- Briefing 09:30
- Course(s) opens 10:00 close 16:30.
- Amateur Yacht Research Society. Meeting at the Royal Dorset Yacht Club in Weymouth 19:00 for 20:00 all welcome. Individuals are invited to talk for 5 minutes on their chosen topic of interest. The Club has a bar.

#### **Thursday 20<sup>th</sup> October**

- Briefing 09:30
- Course(s) opens 10:00 close 16:30.
- Social evening at the Aqua Hotel 19:30 for 20:00 must be pre-booked. Tickets can be bought from the event office.

#### **Friday 21<sup>st</sup> October**

- Briefing 09:30
- Course opens 10:00 close at 16:00.
- 18:00 Grand Prize giving.

Event dinner at the Royal Dorset Yacht Club in Weymouth 19:30 for 20:00 must be pre-booked 24 hours in advance. Tickets can be bought from the event office.



# **SIMMER & STYLE**

MAUI HAWAII

## **WEYMOUTH '11 SPEED WEEK**



THIS YEAR'S **WEYMOUTH SPEED WEEK 2011** IS  
ON **OCTOBER 15TH - 21ST** AT THE AMAZING **WEYMOUTH & PORTLAND**  
OLYMPIC SAILING VENUE, IF YOU **GO FASTER** THAN **38.4 KNOTS** WE'LL  
GIVE YOU **\$1000** + A CUP OF TEA 'BEST OF BRITISH' USING **GT-31 GPS TECH**  
★ **WE HAVE LOADS OF PRIZES** SUPPLIED BY  
OUR FANTASTIC SPONSORS WHO WITHOUT DOUBT MAKE THIS **THE BEST**  
**500M FLAT SPEED** COURSE IN THE WORLD!  
IF YOU HAVEN'T ALREADY DONE SO SIGN UP QUICKLY: **WWW.SPEEDSAILING.COM**

**tushingham** **Spartan** **APC-SPEED.CO.UK** **windsurf** **m.** **SIMMER & STYLE** **Weymouth Watersports** **W**  
**Boards** **GPS** **SWC** **clubvass** **MAJESTIC YACHT** **puravida** **Weymouth & Portland**  
**natural** **active** **Weymouth & Portland**  
**Borough Council**