

# British Bid for WMC/WPC 2016

FAI World Microlight & Paramotor Championships 2016



**Damyns Hall, London, UK**

**Competition: 20-27 August 2016**

**Practice: 15-19 August 2016**



In association with the British Microlight Aircraft Association





# Location

- **Damyns Hall Aerodrome, London**
- **75 mins - 100 km – from Channel Ports**

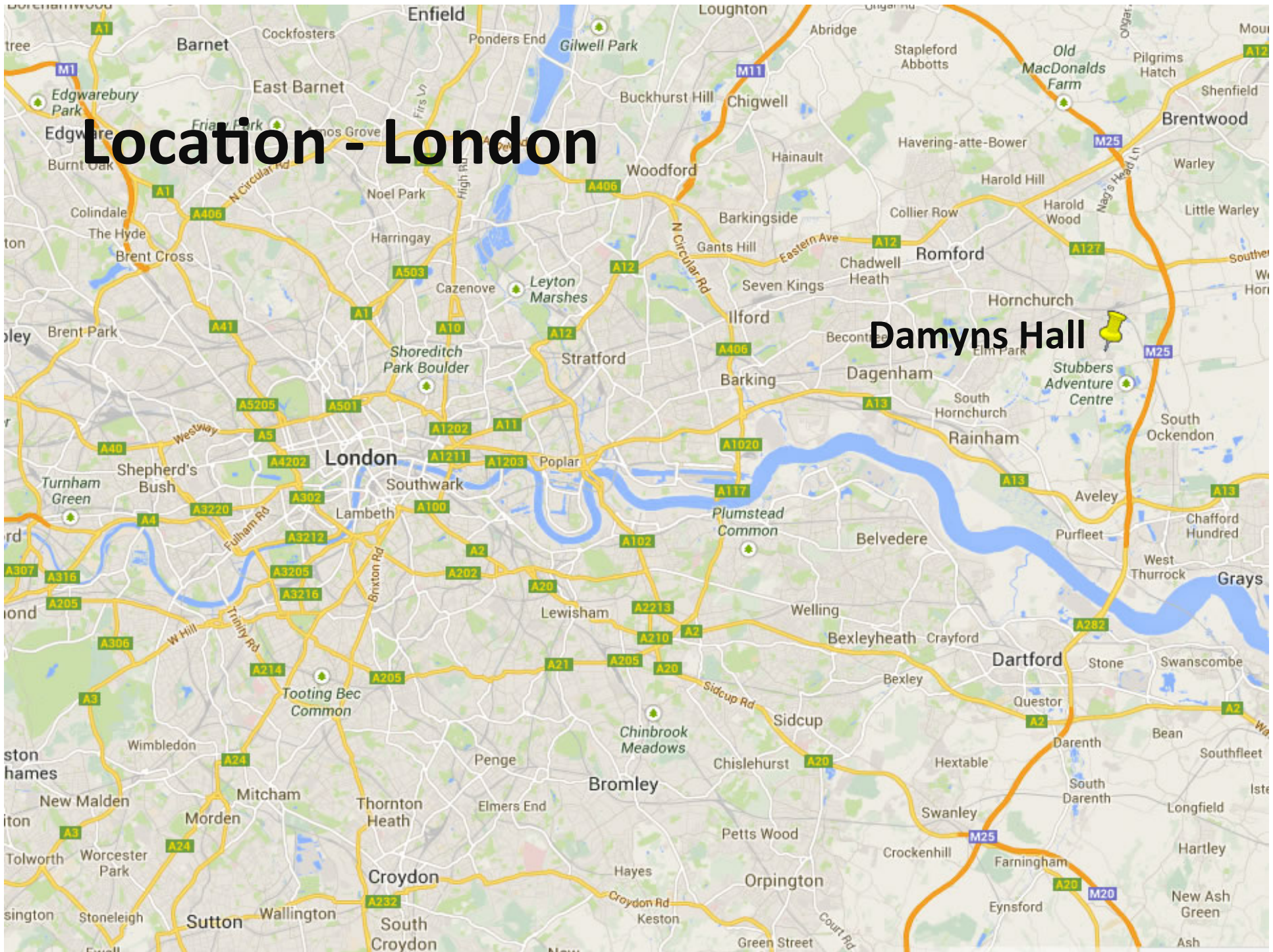
Data SIO, NOAA, U.S. Navy, NGA, GEBCO

Image Landsat



# Location - London

Damyns Hall





# Location - London



**15 miles to Central London / 8 miles to City International Airport**

**Excellent transport links into London (Upminster station 2.4 miles)**

**Great tourist, sightseeing and family attractions**

- Museums, culture, galleries
- West End Shopping
- Theatres, musicals, Leicester Square
- Royal Palaces
- Restaurants, nightlife, Soho
- ...and so much more!

**Close to the coast for day trips to the sea and beaches**

**Following the 2012 Olympics there is strong public support for sporting events in London**

# Guiding Principles



- Plenty of tasks that are both challenging but not unnecessarily complex
- Fast and efficient scoring
- Good social atmosphere and high levels of spectator engagement
- Efficient communication between microlight and paramotor groups
- Reliable facilities

# Organisation Team



- **Event Director: Rob HUGHES**
- **Microlight Competition Director: Rob GRIMWOOD**
- **Paramotor Competition Director: Mike CHILVERS**
- **Deputy Event Director (microlights): John WAITE**
- **Deputy Event Director (paramotors): Barney TOWNSEND**
- **Chief Scorer (microlights): John WAITE**
- **Chief Scorer (paramotors): Colin BAKER**
- **Chief Marshal (microlights): Chris SAYSELL**
- **Chief Marshal (paramotors): TBC**

## Fully supported by:

- **Damyns Hall Aerodrome**
- **Royal Aero Club of United Kingdom**
- **British Microlight Aircraft Association**



# Organisation Expertise



## Rob HUGHES – Event Director

- Event Director of EMC2010
- Air Sports Competition Manager, The World Games 2013
- 20 years experience of organising events
- Former FAI Sports Director
- CIMA Jury President & Member, steward and marshal
- Involved in the organisation of many CIMA events



# Damyns Hall Aerodrome



- 2x 600m grass runways
- Club House and Café
- 2 microlight flying schools
- Full unrestricted planning permission for aviation
- Holds events attracting 8000+ people
- [www.damynshall.co.uk](http://www.damynshall.co.uk)

# The site

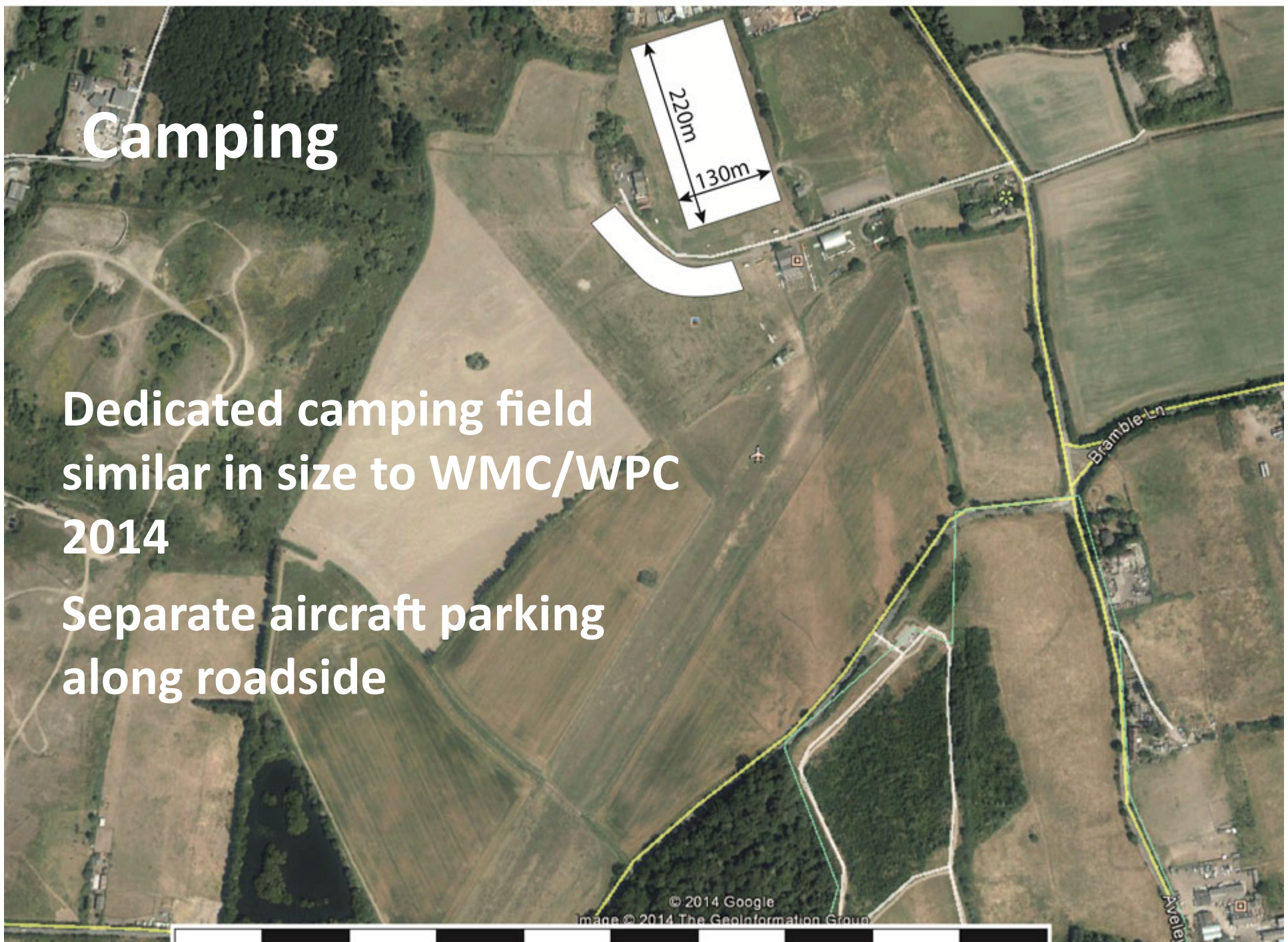




# Camping

Dedicated camping field  
similar in size to WMC/WPC  
2014

Separate aircraft parking  
along roadside





# Runways

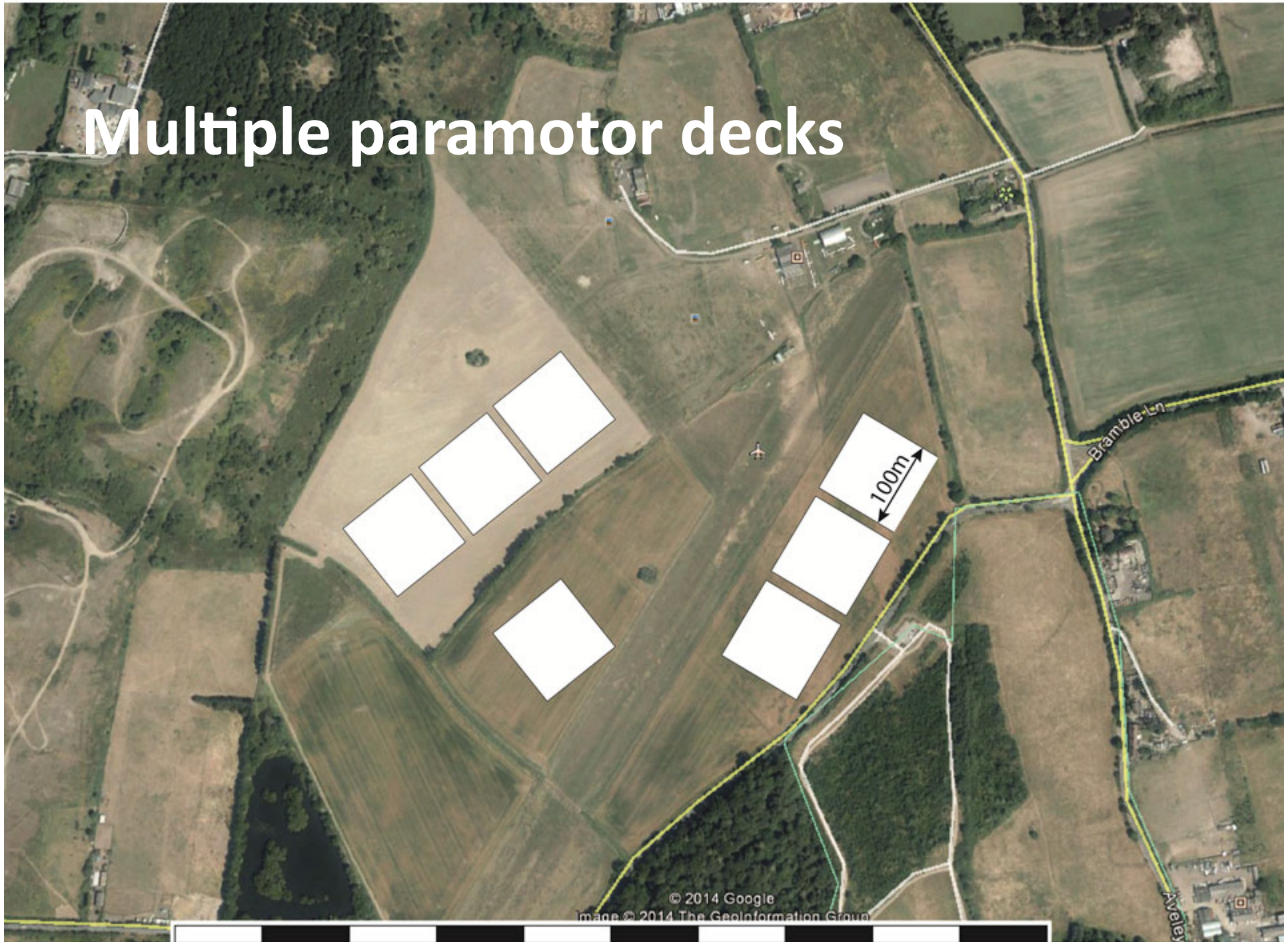
Classic classes benefit from 2 long runways

Each capable of 2x 100m decks





# Multiple paramotor decks





# Proposed Slalom Area



© 2014 Google  
Image © 2014 The GeoInformation Group



Total site





# Damyns Hall Aerodrome

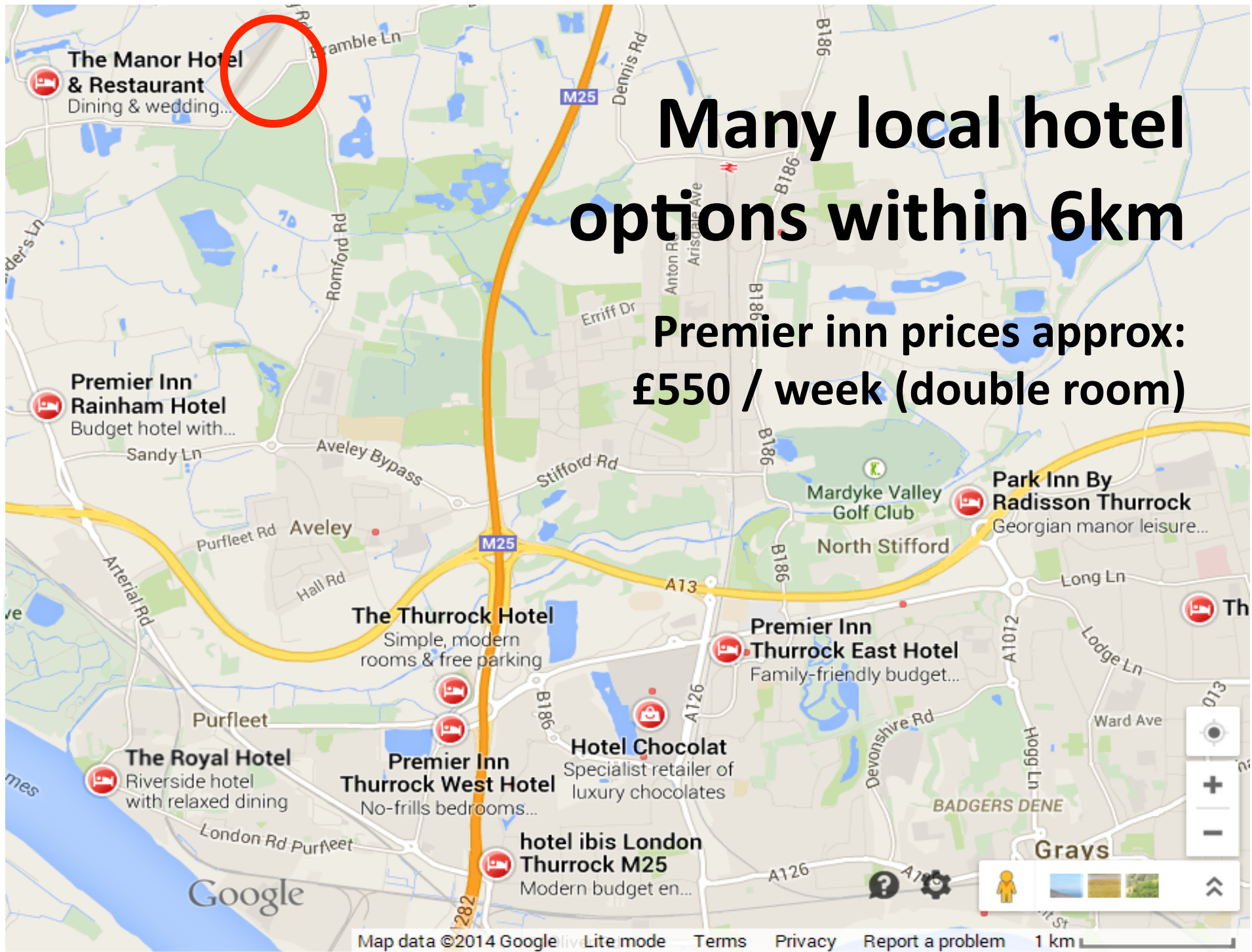


- **Dedicated camping field with fresh water supply**
- **Facilities will be hired for the event**
  - including toilets, showers and electricity generator
- **Dedicated super-powerful wi-fi installation available**
- **Communal marquee / socialising area for competitors**
- **Owners have offered full site use**
- **Site is available to host UK national championships earlier in 2016 to prototype competition procedures**



# Many local hotel options within 6km

Premier inn prices approx:  
£550 / week (double room)





# Surrounding Area



- Very flat open landscape with many coastal sections
- Damyns Hall is close to controlled airspace and under London TMA
- There is good clear airspace to the North (Hertfordshire & Bedfordshire) North-East (Essex & Suffolk) and South-East (Kent & Sussex)
- 25 nm away from organising team home base

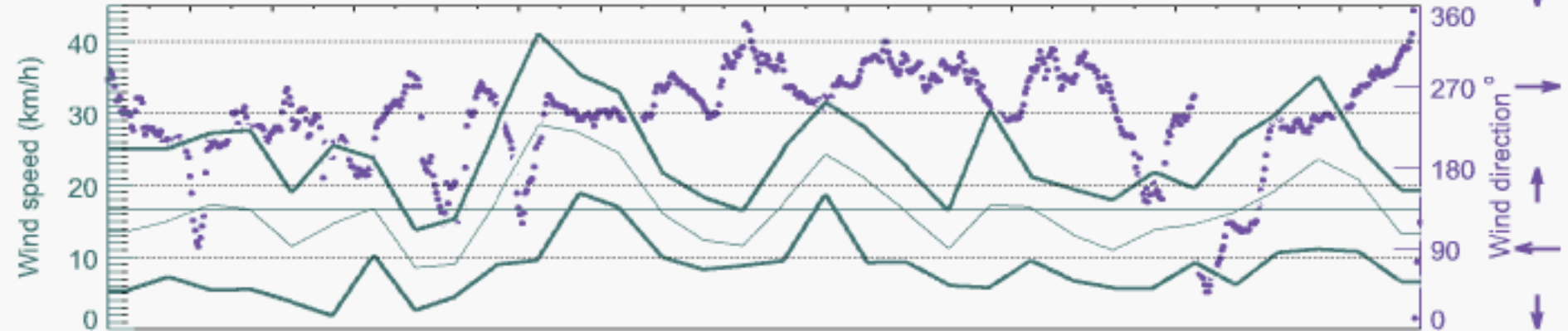
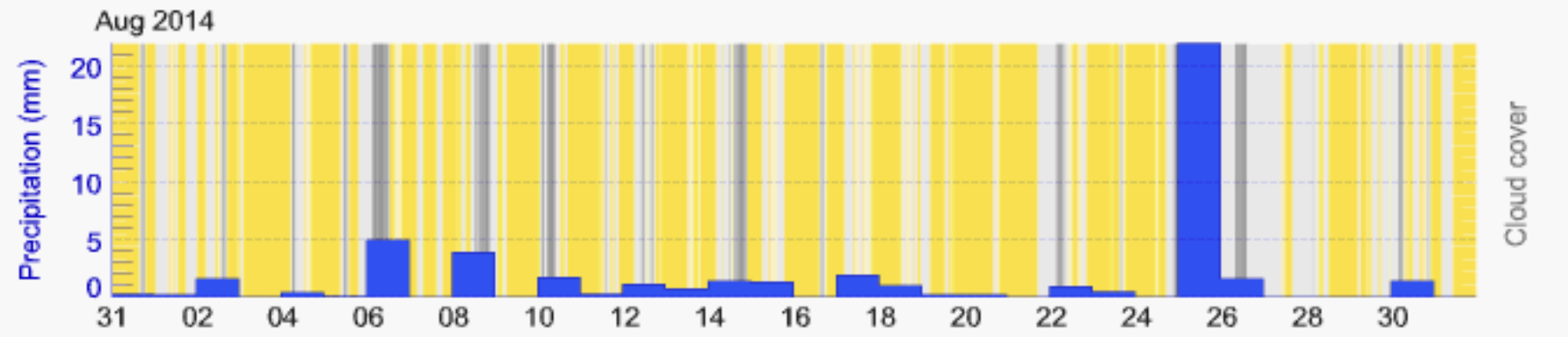
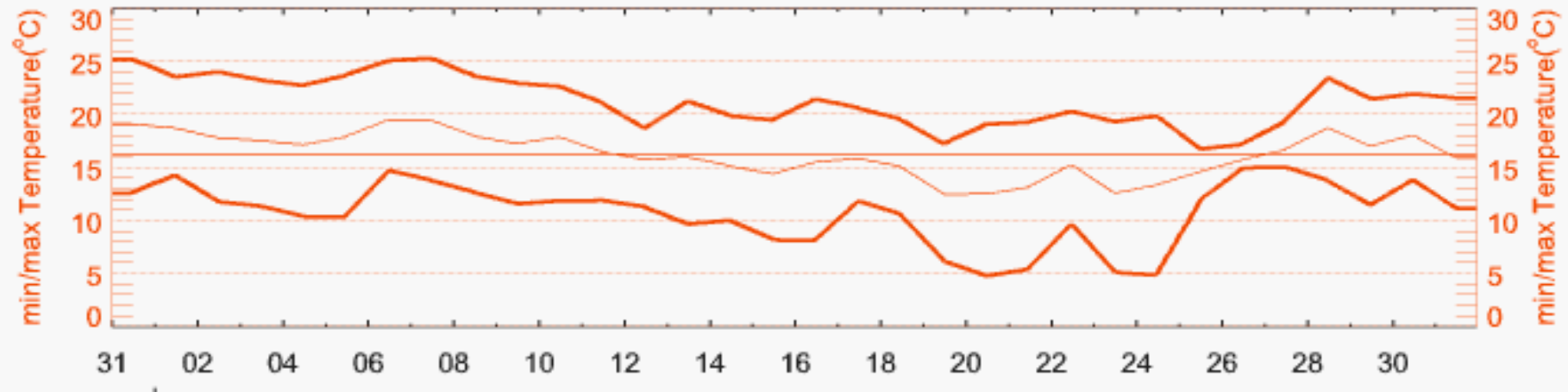


# South Ockendon

51.50°N / 0.30°E 14m asl

2014-08-01 - 2014-08-31  
31 days

meteoblue®  
www.meteoblue.com





# Microlight Competition





# Organisation Expertise



## **John WAITE – deputy event director and chief scorer**

- Research microbiologist and software engineer
- Owner / Chairman of PR & Marketing Consultancy
- Organised 2010 BMAA Flying Show
- Organises International Conference & Exhibition Events
- Active in public relations, web design and eMarketing
- 2 times European Microlight Champion in WL2 and AL2 and current World Champion in AL2

# Organisation Expertise



## Rob GRIMWOOD – competition director

- Aeronautical Engineer / Microlight Flying Instructor Examiner
- 8 times World / European Microlight Champion in both WL2 and AL2
- Competed internationally since 1999, with vast experience of what makes a good and enjoyable competition
- British team leader at last 3 international competitions
- Chair of the UK Microlight Championship Group



# Organisation Expertise



## Chris SAYSELL – chief marshal

- Competed Internationally from 2001 until 2009
- Good organisational and interpersonal skills
- Understands how efficient marshalling contributes to successful competition
- 4 times World / European Microlight Champion in WL2

**Rob, John and Chris have organised many  
successful UK National Microlight Competitions**

# Organisation Expertise



## Additional supporting team members:

- Dan Subhani /Ali Turner - IT support
- Frank Thompson – sponsorship
- Laurie Hurman – event organisation
- Paul Dewhurst – technical consultant



# Task example

3 legs of 40 nm each

Damyns

SP South





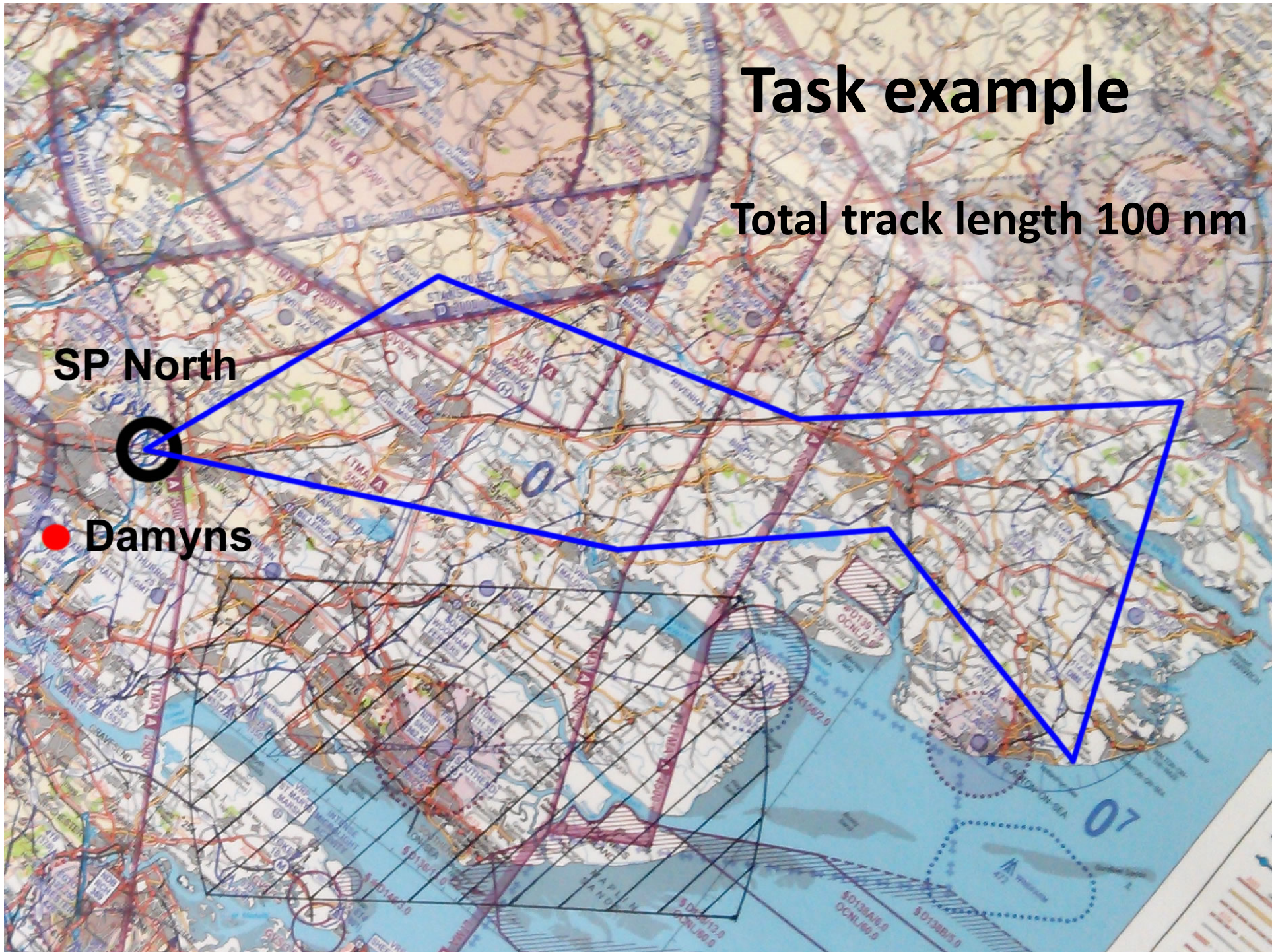
# Task example

Total track length 100 nm

SP North



Damyns







# Paramotor Competition



# Organisation Expertise



## Barney TOWNSEND – deputy event director

- Senior Lecturer in Design at London South Bank University
- British National Paramotor Champion 2011
- Member British Paramotor Competitions Committee 2011-2013
- British Paramotor Team assistant in 2008 & 2009
- Competed internationally in 2012 and 2014 (13<sup>th</sup> place PF1)



# Organisation Expertise



## Mike CHILVERS – competition director

- Paramotor Instructor at UFly4Fun paramotors
- Director, British National Paramotor Championship & Paramotor League 2013
- Competed internationally in 2006, 2007 and 2008 (9<sup>th</sup> place PF1)
- Competed in UK since 2006
- UK paramotor committee member 2007 - 2011

# Organisation Expertise



## Colin BAKER - chief scorer

- Software developer
- British Paramotor Competitions committee member since 2013
- Scored for all UK paramotor competitions since 2008
- Written “Boris” software specifically for scoring paramotor competitions. In use since 2011 with up to 39 pilots
- Boris Integrates with other software including FRDL, Excel, and Google Earth to provide competition management, track analysis, and results documentation



# Organisation Expertise



## Additional supporting team members:

- Richard SHAW - event organisation
- Michel CARNET - technical advisor
- Paul SMITH - event organisation
- John PACKHAM - IT support

+ several others already committed to taking on specific jobs





# Scoring software: "Boris"



Track Analysis (Task 2 - Snake Navigation)

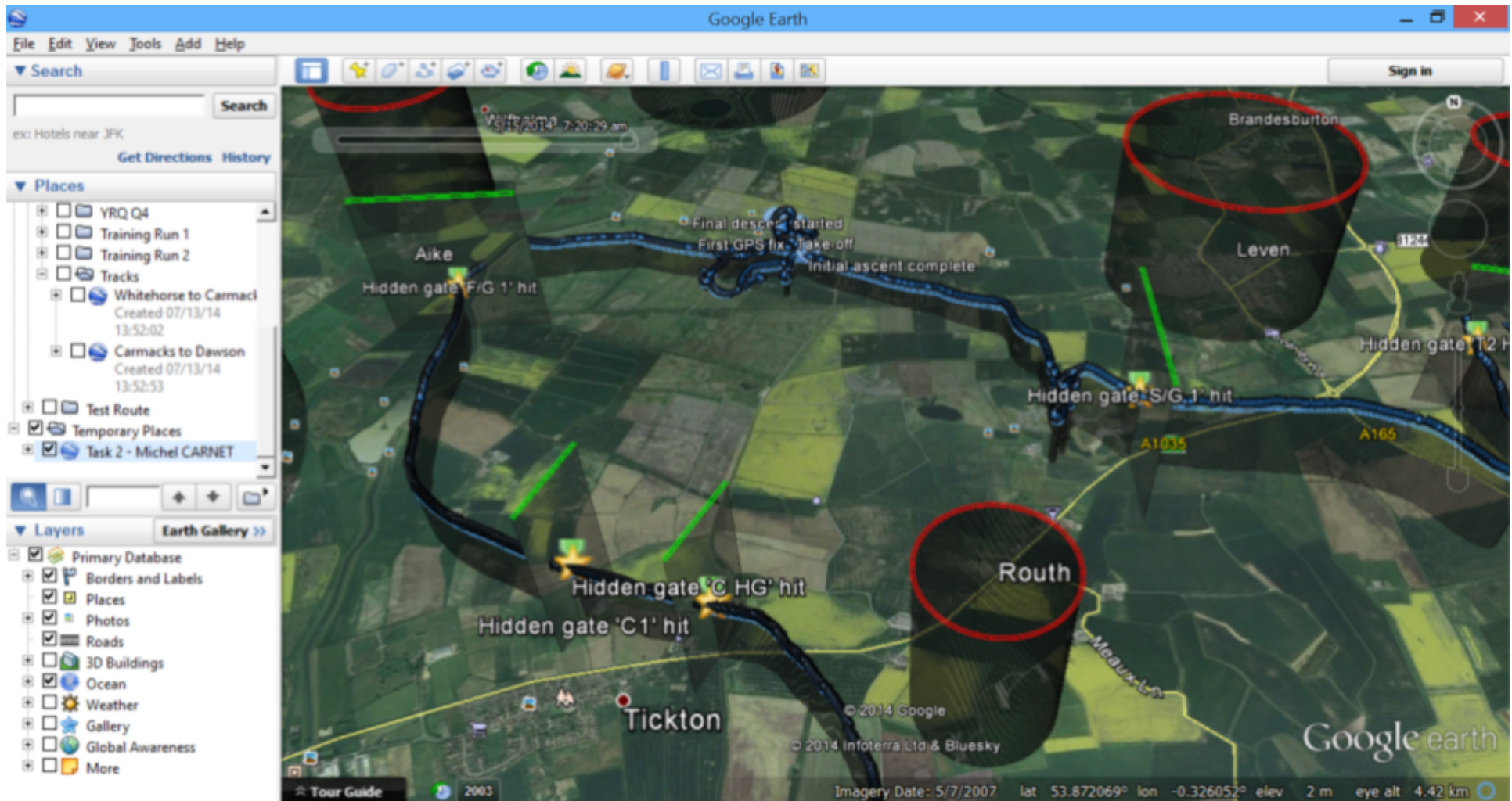
Analysis Filter View

Select Features Task Run Analysis Events Remove Calculate Distance Area Time Speed  Check Minimum Altitude 500 Feet Export KML Upload via FTP Output

No	Pilot Name	No	Time (UTC)	Time (Local)	Time (Elapsed)	Description	Category	Latitude	Longitude	Altitude
1	Michel CARNET	1	05:44:35	06:44:35	00:00:00	First GPS fix	GPS	53.897550	-0.361550	17.0
2	Francis RICH	2	05:55:00	06:55:00	00:10:25	Take-off	Take-Off / Landing	53.897317	-0.361883	5.0
3	Philp JENNINGS	3	06:00:47	07:00:47	00:16:12	Initial ascent complete	Altitude	53.892833	-0.360633	150.0
4	Barney TOWNSEND	4	06:06:10	07:06:10	00:21:35	Hidden gate 'S/G 1' hit	Gate	53.875100	-0.333367	452.0
5	Richard WOMERSLEY	5	06:10:27	07:10:27	00:25:52	Hidden gate 'T2 HG ...	Gate	53.877533	-0.301500	447.0
6	Andrew MCMAHON	6	06:13:26	07:13:26	00:28:51	Hidden gate 'A1' hit	Gate	53.872983	-0.275900	427.0
7	Mark Morgan	7	06:15:22	07:15:22	00:30:47	Hidden gate 'A HG' hit	Gate	53.880183	-0.253650	415.0
8	Alex ANDERSON	8	06:17:02	07:17:02	00:32:27	Hidden gate 'A2' hit	Gate	53.877767	-0.232767	439.0
9	Simon SCOTT	9	06:21:02	07:21:02	00:36:27	Hidden gate 'T2 HG ...	Gate	53.875000	-0.193867	419.0
10	Roger FINNIGAN	10	06:27:43	07:27:43	00:43:08	Hidden gate 'T2 HG ...	Gate	53.834817	-0.200433	424.0
11	Jamie BARTHOLOMEW	11	06:30:39	07:30:39	00:46:04	Hidden gate 'B1' hit	Gate	53.823450	-0.217033	423.0

A satellite map showing a flight track in blue with green arrows indicating direction. The track starts near Leconfield and ends near Great Hatfield. Several hidden gates are marked with red circles and labeled: Leconfield, Leven, Tickton, Long Riston, and Great Hatfield. The map is overlaid on a Google Earth interface.


# Scoring software: "Boris"

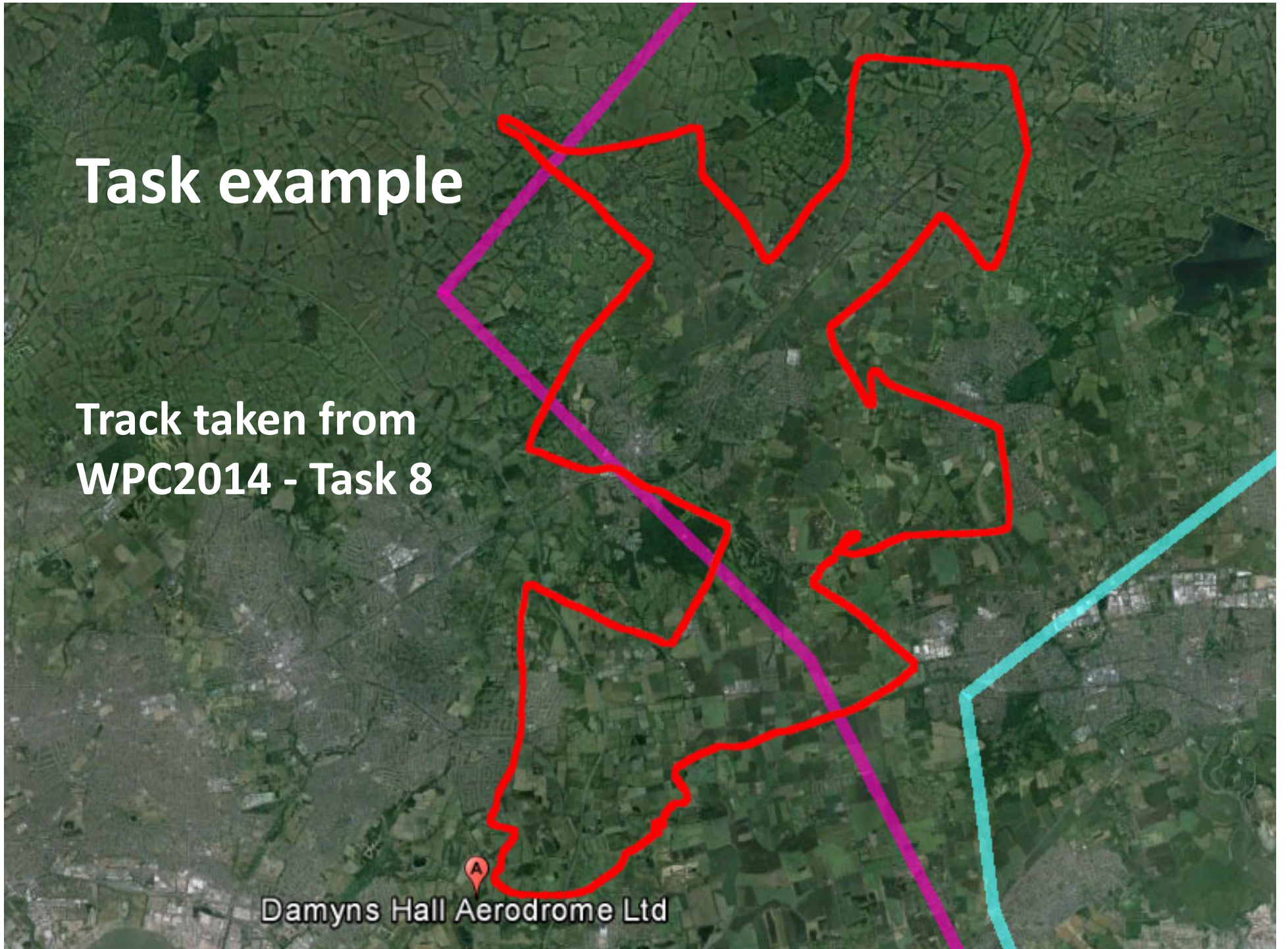




# Task example

Track taken from  
WPC2014 - Task 8

 Damyns Hall Aerodrome Ltd



# Fees / Rules



- **Proposed Fees £400**
- **Classes**
  - Microlights WL1, WL2, AL1, AL2
  - Autogyros: GL1, GL2
  - Paramotors: PF1, PF2, PL1, PL2
- **No free flying or practice by any teams until pilots are registered and Team Leader is on site**
- **Accident and Emergency at Queen's Hospital 6 km away**
- **London Air Ambulance based at Whitechapel 24 km away**
- **Prior permission required for microlights to fly in UK airspace**



# Competition Dates



- Organisation setup from Saturday 13<sup>th</sup> August
- Pilot/team arrival and official practice: 15<sup>th</sup>-19<sup>th</sup> August
- Opening ceremony: Saturday 20<sup>th</sup> August
- Competition flying days: 20<sup>th</sup>-26<sup>th</sup> August
- Closing ceremony: Saturday 27<sup>th</sup> August

# Spectator engagement



- Live video feeds from around the site (HD IP cams) that will stream to the local Intranet site and snapshots of pics to external comp site (subject to bandwidth)
- “Fly with a pilot” system under development: tested at 2014 British Open Championship:
  - Live video “helmet cam” feed from 1 or more pilots flying navigation or slalom tasks for spectators to view on a projector screen. Range currently up to 12km, but working on extending this
  - Live Google Earth tracking from 1 or more pilots for spectators can follow them on the live Google map.



# Social events programme



- BMAA 'Spamfield' fly-in on 22 August (expect 300+ aircraft!)
- Combine air show and opening ceremony
- Party / music night(s)
- Dedicated large marquee for use by all competitors throughout the competition
- Communal catering / bar

# Summary



- **Strong Organisation Team**
- **Excellent Road, Rail and Air links to Europe**
- **Close to London - plenty for families to do**
- **Good airfield infrastructure**
- **Supported by British Microlight Aircraft Association**





**See you in  
London!**

