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## **NOTICE TO MARINERS – Geotechnical Investigations at Rampion (03)**

Notice is hereby given that Fugro GeoConsulting Limited (Fugro) will be conducting a Geotechnical Investigation within the UK Sector of the English Channel on behalf of E.ON Climate & Renewables UK Limited (Eon). The Rampion Wind Farm site (formerly known as Hastings) is one of the Round 3 Zones that have been identified by the Crown Estate as potential areas of Wind Farm Site developments.

Fugro will undertake the investigation in two phases, with the first phase due to commence on the week commencing the 28th March 2011 for a period of approximately ten days and will utilise the Dynamically Positioned Geotechnical drilling vessel the MV Fugro Saltire. The second phase is due to commence during the mid to latter part of week commencing the 4<sup>th</sup> April 2011 for a period of approximately 4 days and will utilise the Multicat vessel the MV Willendeavour (see attached vessel information, below).

### **1. INTRODUCTION (SURVEY LOCATION)**

The Rampion Wind Farm Zone is located in the eastern English Channel corresponding to the stretch of coast extending from approximately Worthing to Newhaven (see figure 1: General Vicinity Plan) The zone covers an area of approximately 270km<sup>2</sup> within water depths of between approximately 11 and 64m. The initial Geotechnical Investigation (Phase 1) is anticipated to comprise of seven Geotechnical Boreholes within section 2 and the second phase (Phase 2) is anticipated to comprise of a single Seabed Cone Penetration Tests (CPT's) and a single Vibrocore (VC) at each of four locations within section 1 (see figure 2: Outline of Rampion Wind Farm Zone). Additionally, a Datawell Directional Wave Buoy will be utilised throughout the duration of the initial Geotechnical Investigation. The wave buoy coordinates will be confirmed prior to its deployment.



Figure 1: General Vicinity Plan

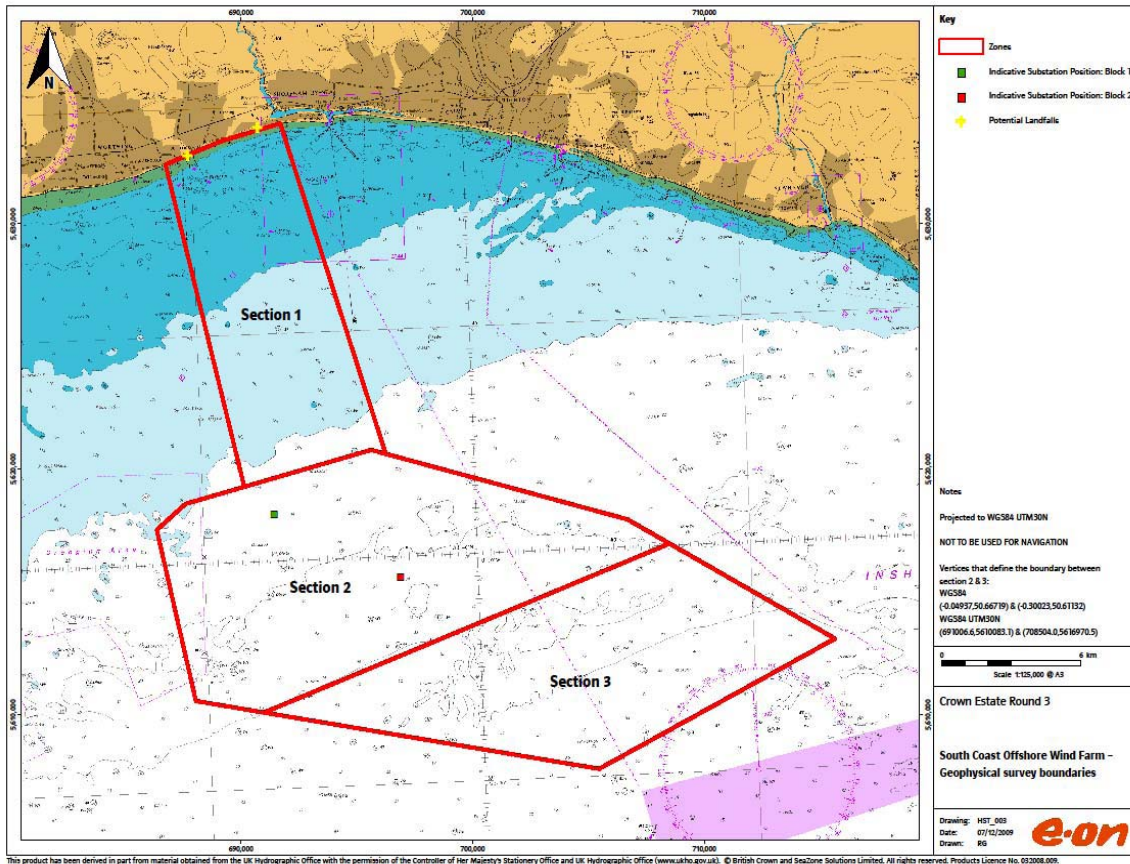


Figure 2. Outline of Rampion Wind Farm Zone

The co-ordinates of the Rampion Wind Farm Zone perimeter are summarised in table 1 below:

Point	Latitude	Longitude
1	50.686501°	-0.365516°
2	50.706902°	-0.229361°
3	50.677601°	-0.073953°
4	50.642101°	0.019705°
5	50.612°	-0.144246°
6	50.643002°	-0.150802°
7	50.6189°	-0.261705°
8	50.6422°	-0.274158°
9	50.623001°	-0.345092°

(Projected coordinate Ref. system WGS 84 UTM zone 31 N

Table 1: Rampion Development Area Co-ordinates

## 2. VESSELS

Fugro propose to utilise the following Dynamically Positioned Geotechnical Drilling vessel, the MV Fugro Saltire to carry out the required Geotechnical Drilling Operations (phase 1 - only).

MV Fugro Saltire (Figure 3), a 111m (LOA) purpose built dynamically positioned vessel complete fitted with an R100 heave compensated drilling rig, will be operating through a centrally located moonpool.



Figure 3. MV Fugro Saltire

<b>Fugro Saltire Communications</b>	<b>Details</b>
Call Sign	LHOD
E-Mail	<a href="mailto:captain@fugrosaltire.fugro.com">captain@fugrosaltire.fugro.com</a>
Telephone (Bridge/Captain)	00 44 8452 419 381
Inmarsat number (fleet 33)	00 87 0764 876 152
Fax (Bridge)	00 44 8452 419 381



Figure 4. MV Willendeavour



<b>MV Willendeavour Communications</b>	
Call Sign	MMPC
E-mail	<a href="mailto:Willendeavour@hotmail.com">Willendeavour@hotmail.com</a>
Bridge Mob	+44 (0) 7801 477083
Bridge Sat	0 88 1631 529 788
Fugro Site Manager Mob	TBC

The Fugro Saltire will be operating on a 24 hour basis and the MV Willendeavour will be operating on a 12 hour/day basis within daylight hours, (weather permitting). Throughout survey operations, the vessel will be displaying the appropriate lights and shapes as required under the COLREGS Rule 27 (b) and requests other vessels maintain a wide berth (minimum 500m) and pass at slow speed.

### 3. WORK SCHEDULE

The proposed work schedule for the Geotechnical survey is shown below in Table 2.

Vessel	Anticipated number of days on site	Estimated start date (week commencing)	Estimated completion date (week commencing)
<b>MV Fugro Saltire</b>	10-14	28th March 2011 (Estimate: Early week 13)	11 <sup>th</sup> April 2011 (Estimate: early week 15)
<b>MV Willendeavour</b>	3-4	4 <sup>th</sup> April 2011 (Estimate: mid to late week 14)	11 <sup>th</sup> April 2011 (Estimate: early week 15)

**Table 2. Proposed work schedule**

*Please note that the dates specified above are based upon our current vessel planning and is therefore potentially subject to change, if appropriate an updated NTM will be submitted with as much notice as possible.*

### 4. DISTRIBUTION LIST

DISTRIBUTION		
Contact	Name	Email
UK Hydrographic Office (UKHO)	n/a	hdcfiles@ukho.gov.uk
ABP Ports	B Guyton	bguyton@abports.co.uk
Kingfisher Information Services	n/a	kingfisher@seafish.co.uk
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Solent Coastguard	n/a	solentcoastguard@mcga.gov.uk
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Newhaven Port	n/a	Harbour.master@newhavenportauthority.co.uk
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National Federation of Fishermen's Organisations	n/a	nffo@nffo.org.uk
Eon: Fisheries Liaison Officer	Stephen Appleby	Stephen@brownmay.com



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Fugro Alluvial Offshore Limited – Project Manager	Oscar Zarate	o.zarate@fugro.co.uk

## 5. SUMMARY

The contents of this notice are based upon our current understanding of Eon's project requirements and upon Fugro's planning at the time of submission. It should be noted that Fugro will endeavour to update this notice as required.

Enquiries regarding the contents of this NTM or any other matter should be directed to Fugro GeoConsulting Limited:

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