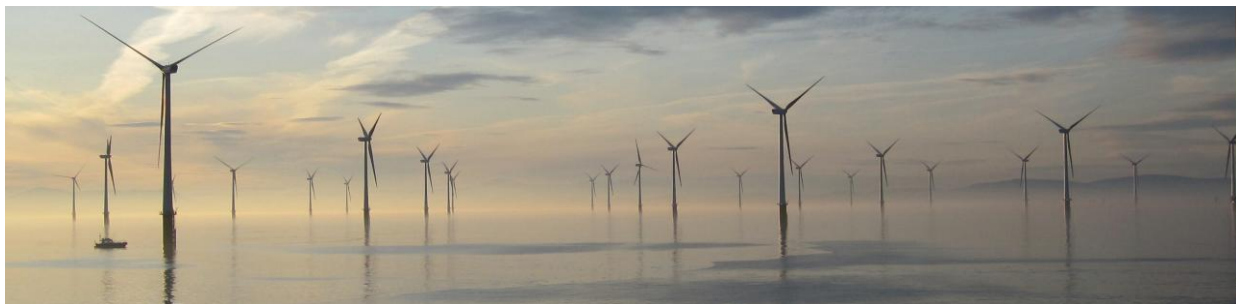




Rampion Offshore Wind Farm



ES Section 6 – Physical Environment Figures

RSK Environmental Ltd

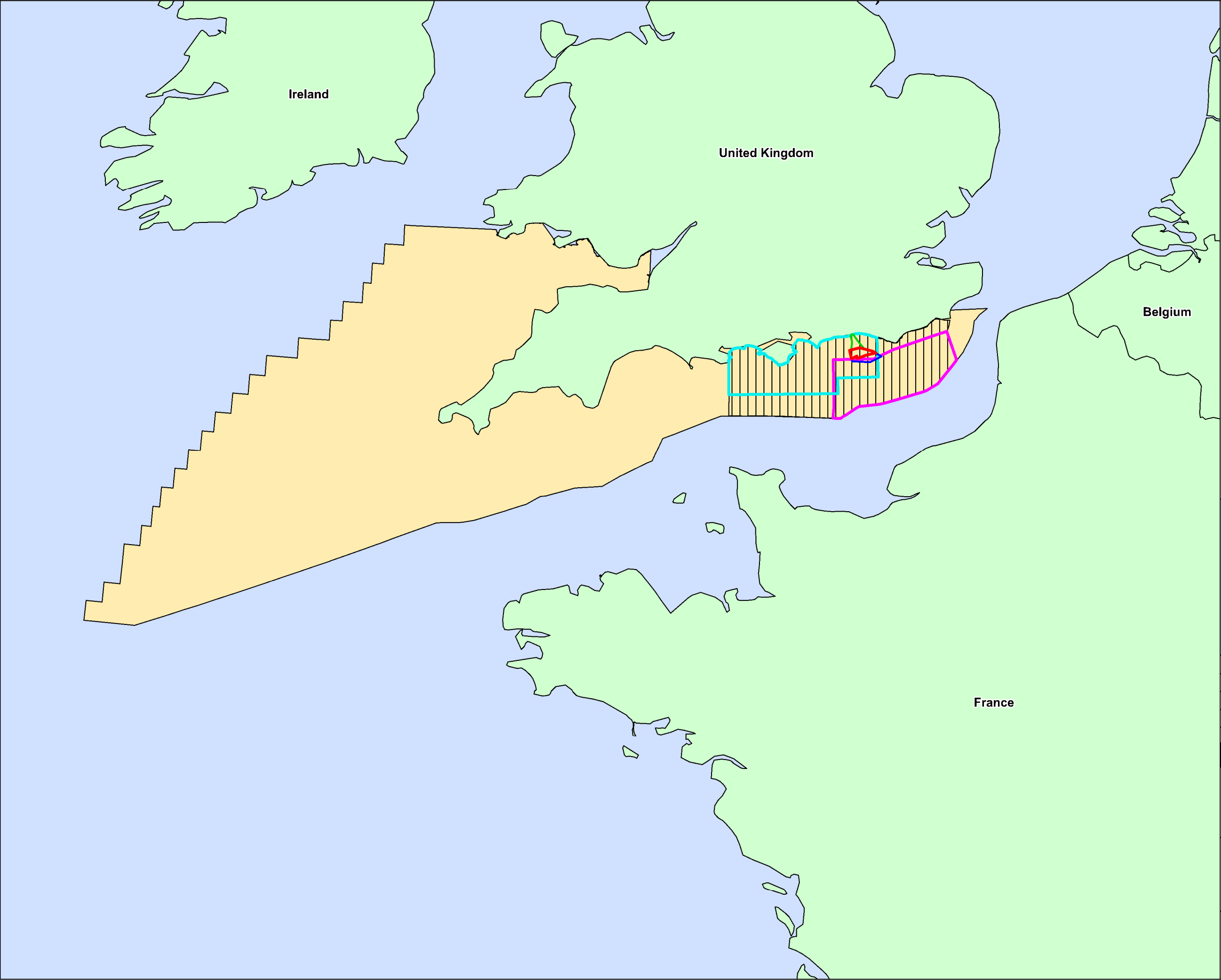
Document 6.2.6

December 2012

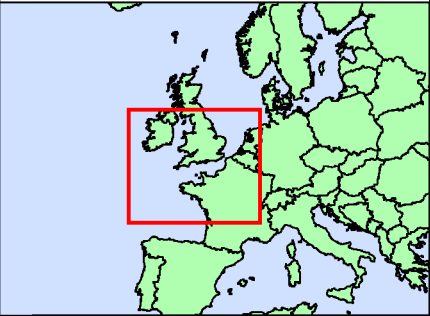
APFP Regulation 5(2)(a)

Revision A

E.ON Climate & Renewables UK Rampion Offshore Wind Limited



- Legend :
- The Crown Estate Zone 6
 - Rampion Offshore Wind Farm Site
 - Offshore Cable Corridor
 - REC Survey Outline
 - EECMH Project Outline
 - MALSF Outline
 - SEA Area 8



01	21.11.12	Development Bdys added	LH	NH	DW
00	03.05.12	First Draft	LH	NH	DW
Rev	Date	Description	Drn	Chk	App

Rampion Wind Farm

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4C Offshore

Title :

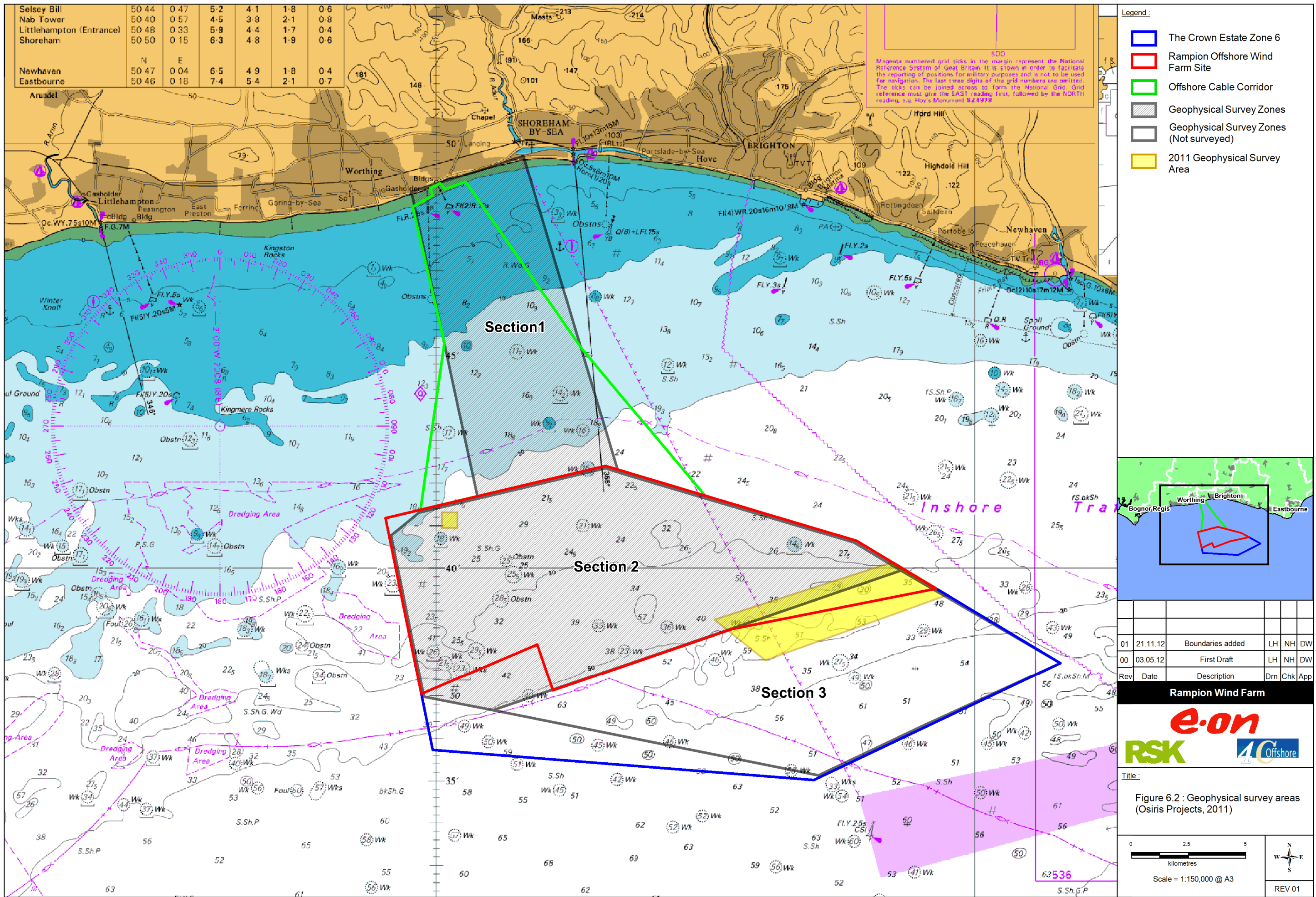
Figure 6.1 : Limits of completed studies in the vicinity of the Project

0 50 100
kilometres

Scale = 1:3,500,000 @ A3

N
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REV 01



Selsey Bill	50 44	0 47	5.2	4.1	1.8	0.6
Nab Tower	50 40	0 57	4.6	3.8	2.1	0.8
Littlehampton (Entrance)	50 48	0 33	5.9	4.4	1.7	0.4
Shoreham	50 50	0 15	6.3	4.8	1.9	0.6
Newhaven	50 47	0 04	6.5	4.9	1.8	0.4
Eastbourne	50 46	0 18	7.4	5.4	2.1	0.7

Magenta numbered grid ticks in the margin represent the National Reference System of Great Britain. It is shown in order to facilitate the reporting of positions for military purposes and is not to be used for navigation. The last three digits of the grid numbers are omitted. The ticks can be joined across to form the National Grid. Grid reference must give the EAST reading first, followed by the NORTH reading, e.g. Hay's Monument 924979

Rev	Date	Description	Drm	Chk	App
01	21.11.12	Boundaries added	LH	NH	DW
00	03.05.12	First Draft	LH	NH	DW

Rampion Wind Farm

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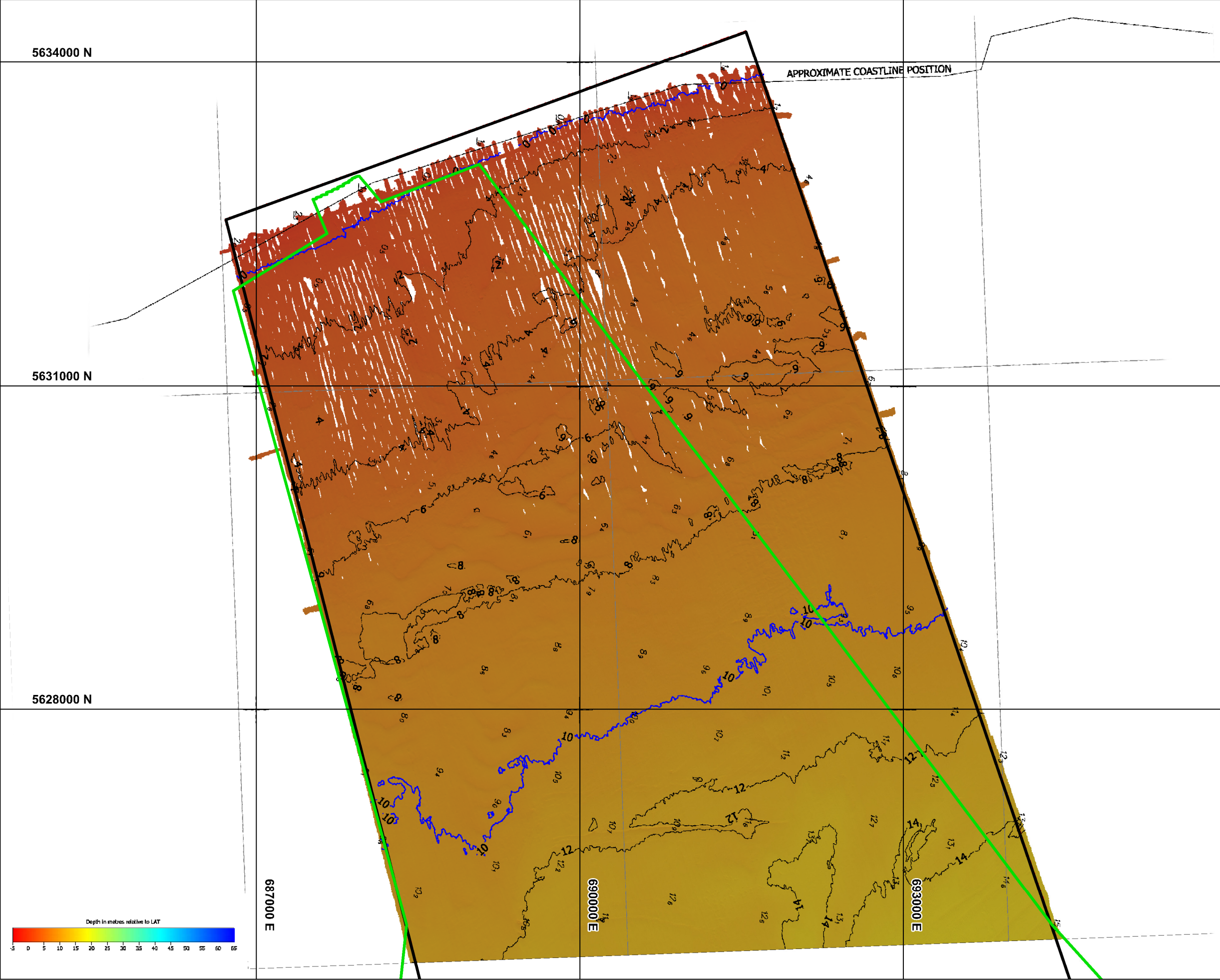
4C Offshore

Title:

Figure 6.2 : Geophysical survey areas (Osiris Projects, 2011)

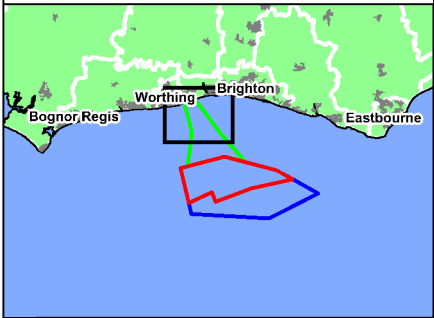
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REV 01



Legend :

- Geophysical Survey Zones
- Offshore Cable Corridor



Rev	Date	Description	Dwn	Chk	App
01	21.11.12	cable corridor added	LH	NH	DW
00	03.05.12	First Draft	LH	NH	DW

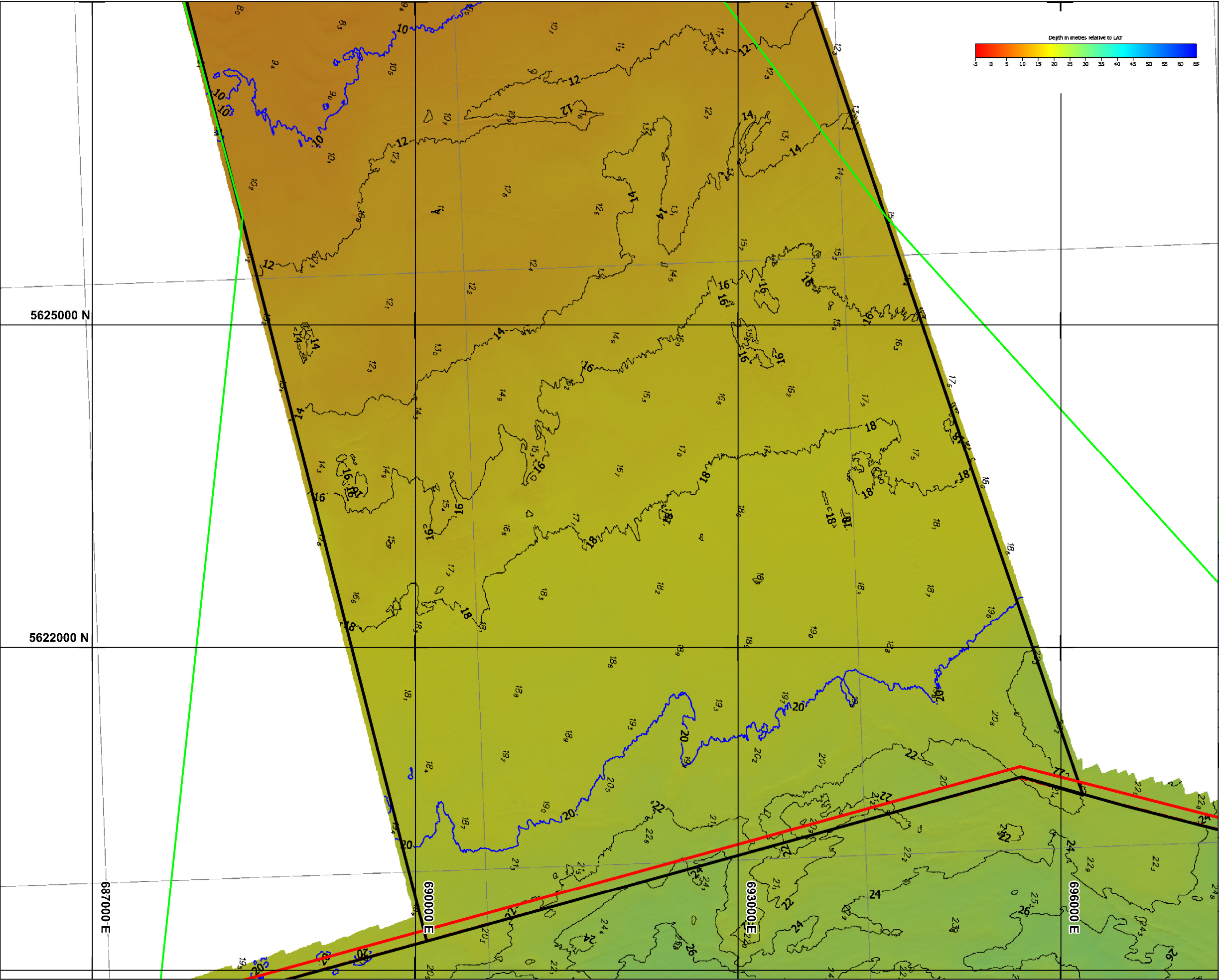
Rampion Wind Farm

Title :

Figure 6.3: Shaded Relief bathymetry of section 1 (Chart C10011-01-01a bathy)

Scale = 1:35,000 @ A3

REV 01



Legend :

- Rampion Offshore Wind Farm Site
- Offshore Cable Corridor
- Geophysical Survey Zones

01	21.11.12	Boundaries added	LH	NH	DW
00	03.05.12	First Draft	LH	NH	DW
Rev	Date	Description	Drn	Chk	App

Rampion Wind Farm

Title :

Figure 6.4: Shaded Relief bathymetry of the central part of section 1
(Chart C10011-01-01b bathy)
(Osiris Projects, 2010a)

0

0.5

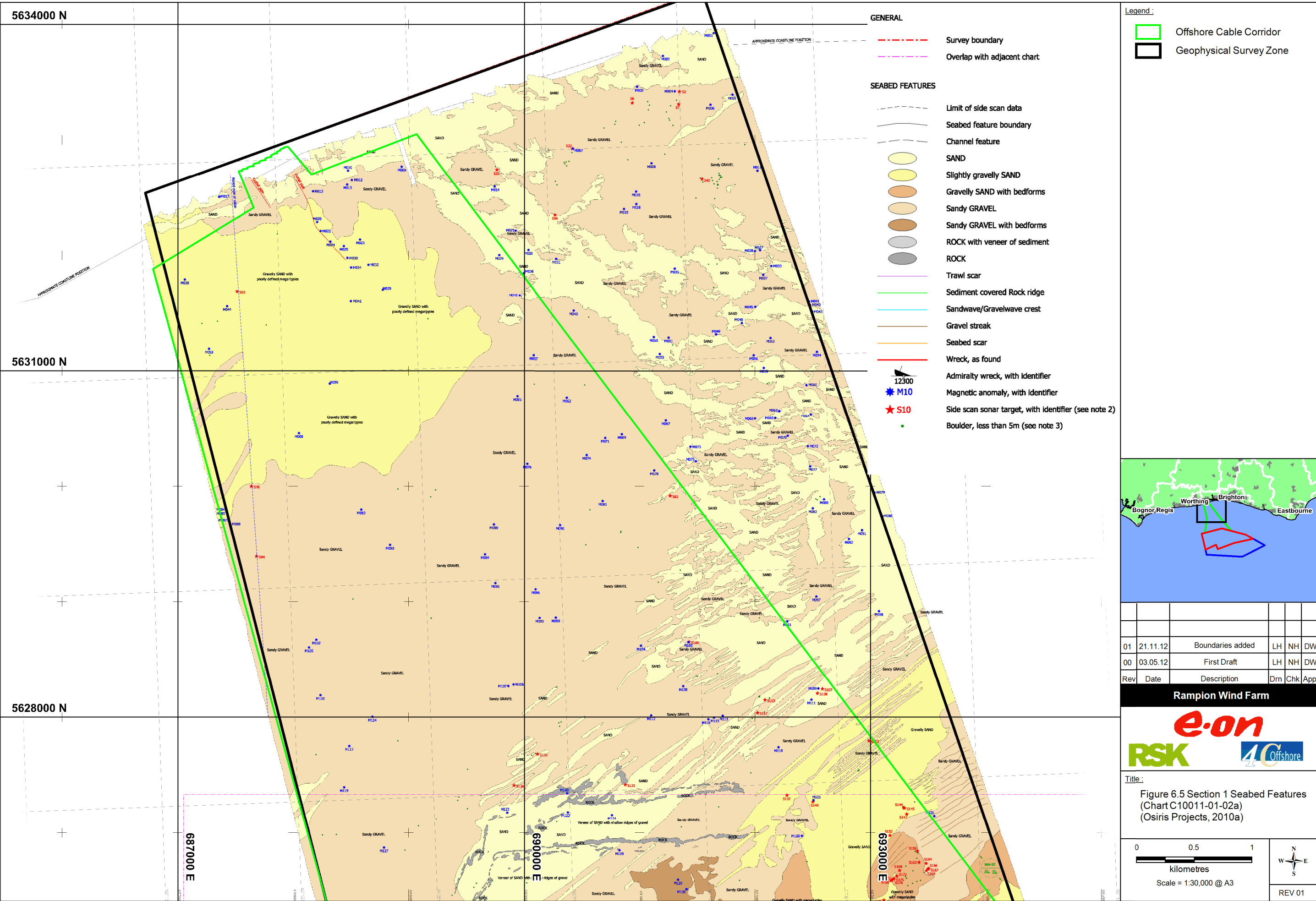
1

kilometres

Scale = 1:35,000 @ A3

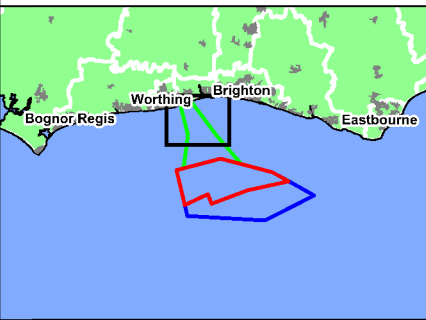
REV 01

FILE NAME: P41318 05 - GISIES_Fig 6-4 Shaded Relief bathymetry of central section 1.wor



- GENERAL**
- Survey boundary
 - Overlap with adjacent chart
- SEABED FEATURES**
- Limit of side scan data
 - Seabed feature boundary
 - Channel feature
 - SAND
 - Slightly gravelly SAND
 - Gravelly SAND with bedforms
 - Sandy GRAVEL
 - Sandy GRAVEL with bedforms
 - ROCK with veneer of sediment
 - ROCK
 - Trawl scar
 - Sediment covered Rock ridge
 - Sandwave/Gravelwave crest
 - Gravel streak
 - Seabed scar
 - Wreck, as found
 - Admiralty wreck, with identifier
 - Magnetic anomaly, with identifier
 - Side scan sonar target, with identifier (see note 2)
 - Boulder, less than 5m (see note 3)

- Legend :**
- Offshore Cable Corridor
 - Geophysical Survey Zone



Rev	Date	Description	Drn	Chk	App
01	21.11.12	Boundaries added	LH	NH	DW
00	03.05.12	First Draft	LH	NH	DW

Rampion Wind Farm



Title :
Figure 6.5 Section 1 Seabed Features
(Chart C10011-01-02a)
(Osiris Projects, 2010a)

00.51kilometresScale = 1:30,000 @ A3

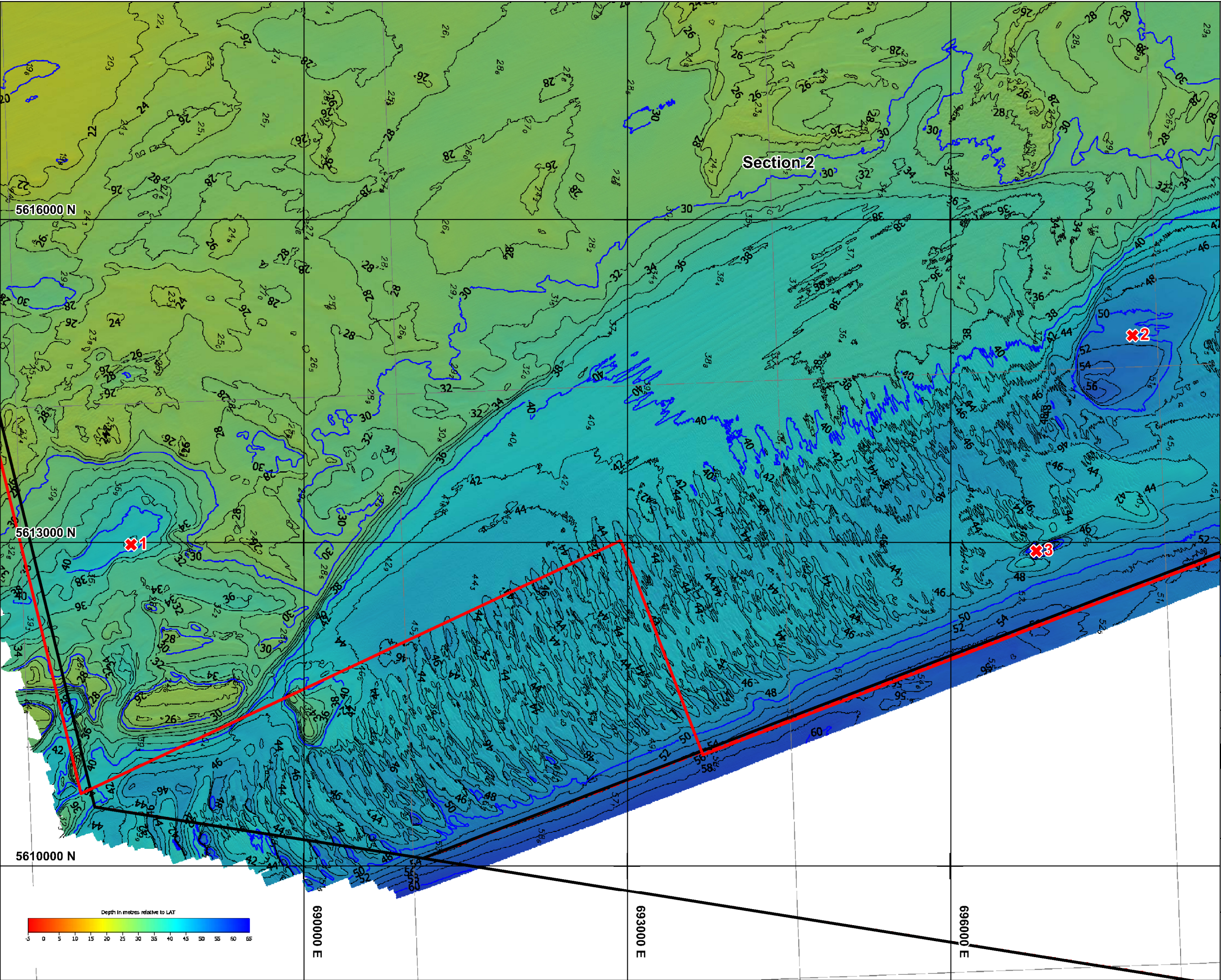
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REV 01



- Legend :
- Rampion Offshore Wind Farm Site
 - Geophysical Survey Zones
 - X Points of Interest



Rev	Date	Description	Drn	Chk	App
01	22.11.12	Boundaries added	LH	NH	DW
00	03.05.12	First Draft	LH	NH	DW

Rampion Wind Farm

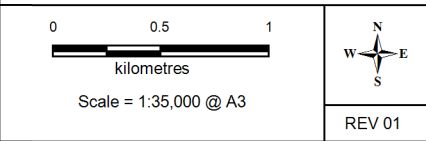
e-on

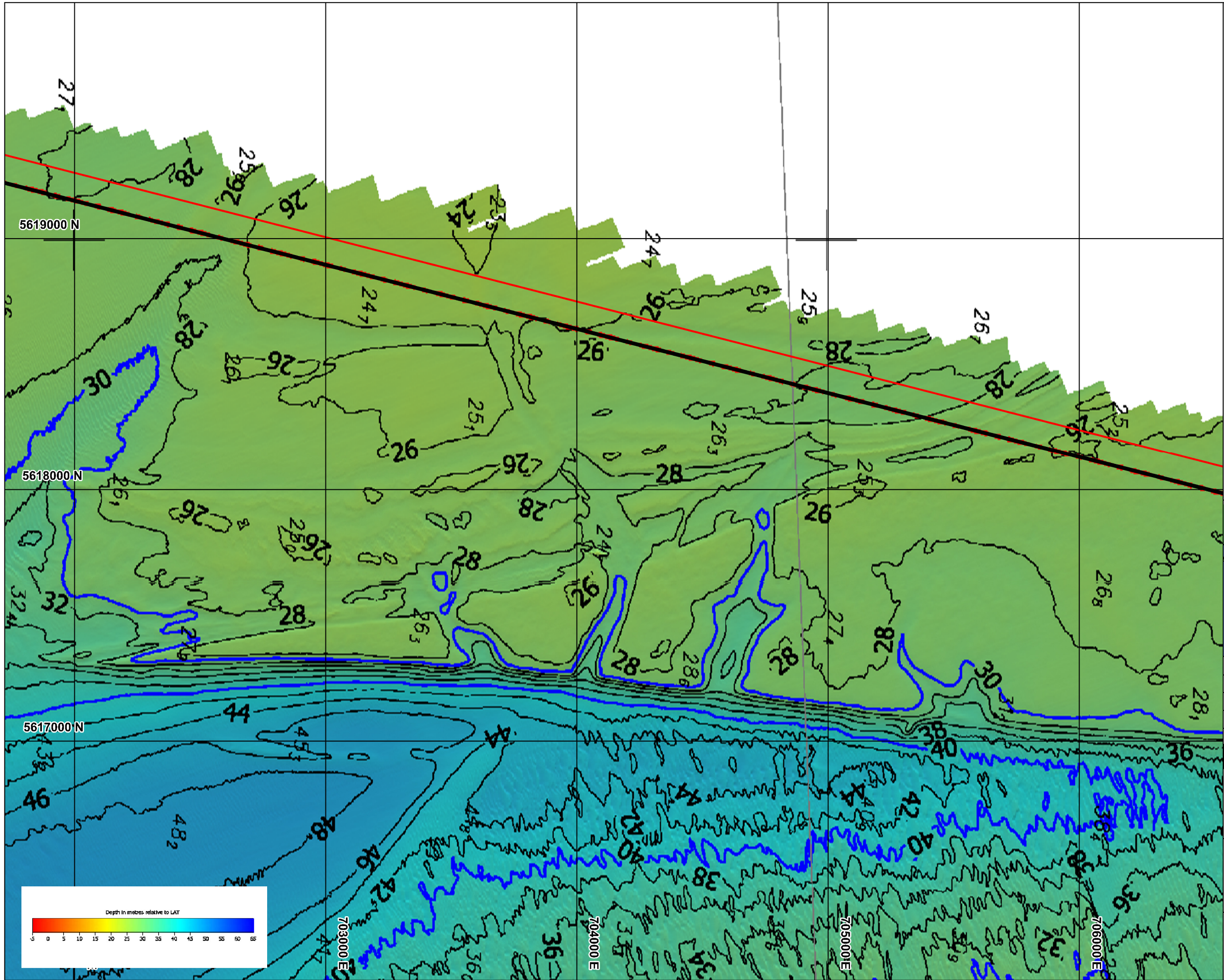
RSK

4C Offshore

Title :

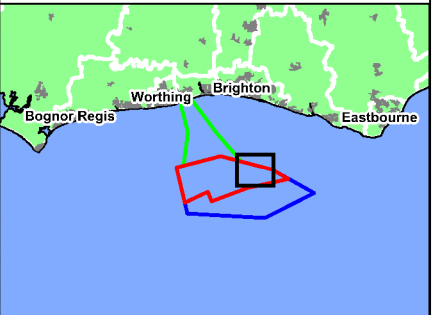
Figure 6.6 Bathymetry Features within Section 2





Legend :

- Rampion Offshore Wind Farm Site
- Geophysical Survey Zones



Rev	Date	Description	Drn	Chk	App
01	22.11.12	Boundaries added	LH	NH	DW
00	03.05.12	First Draft	LH	NH	DW

Rampion Wind Farm

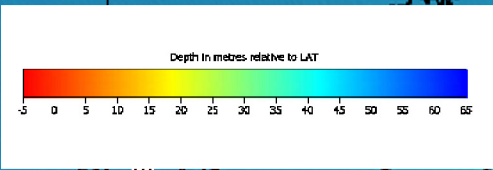
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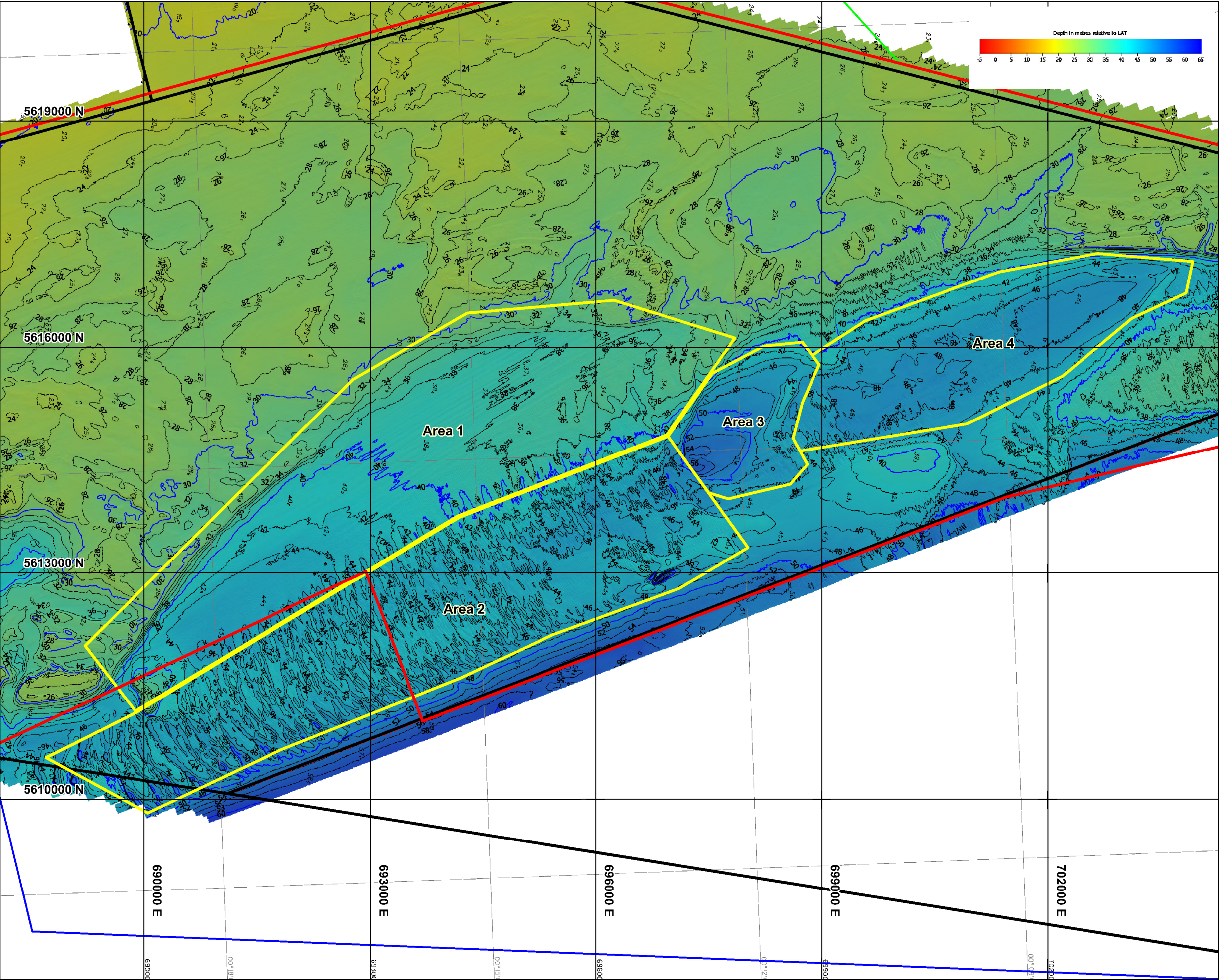
Figure 6.7 Eastern Rocky Plateau

0 250 500 metres

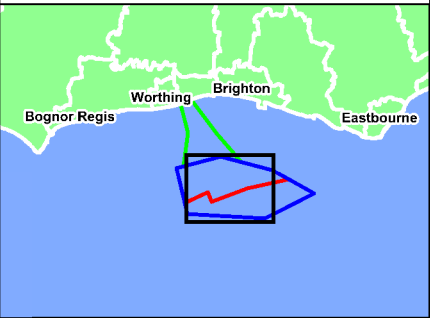
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REV 01





- Legend :
- The Crown Estate Zone 6
 - Rampion Offshore Wind Farm Area
 - Offshore Cable Corridor
 - Geophysical Survey Zones
 - Southern Area Features



01	22.11.12	Boundaries added	LH	NH	DW
00	03.05.12	First Draft	LH	NH	DW
Rev	Date	Description	Drn	Chk	App

Rampion Wind Farm



Title :

Figure 6.8 Section 2 Distinct Areas
(south of escarpment)

012

kilometres

Scale = 1:50,000 @ A3

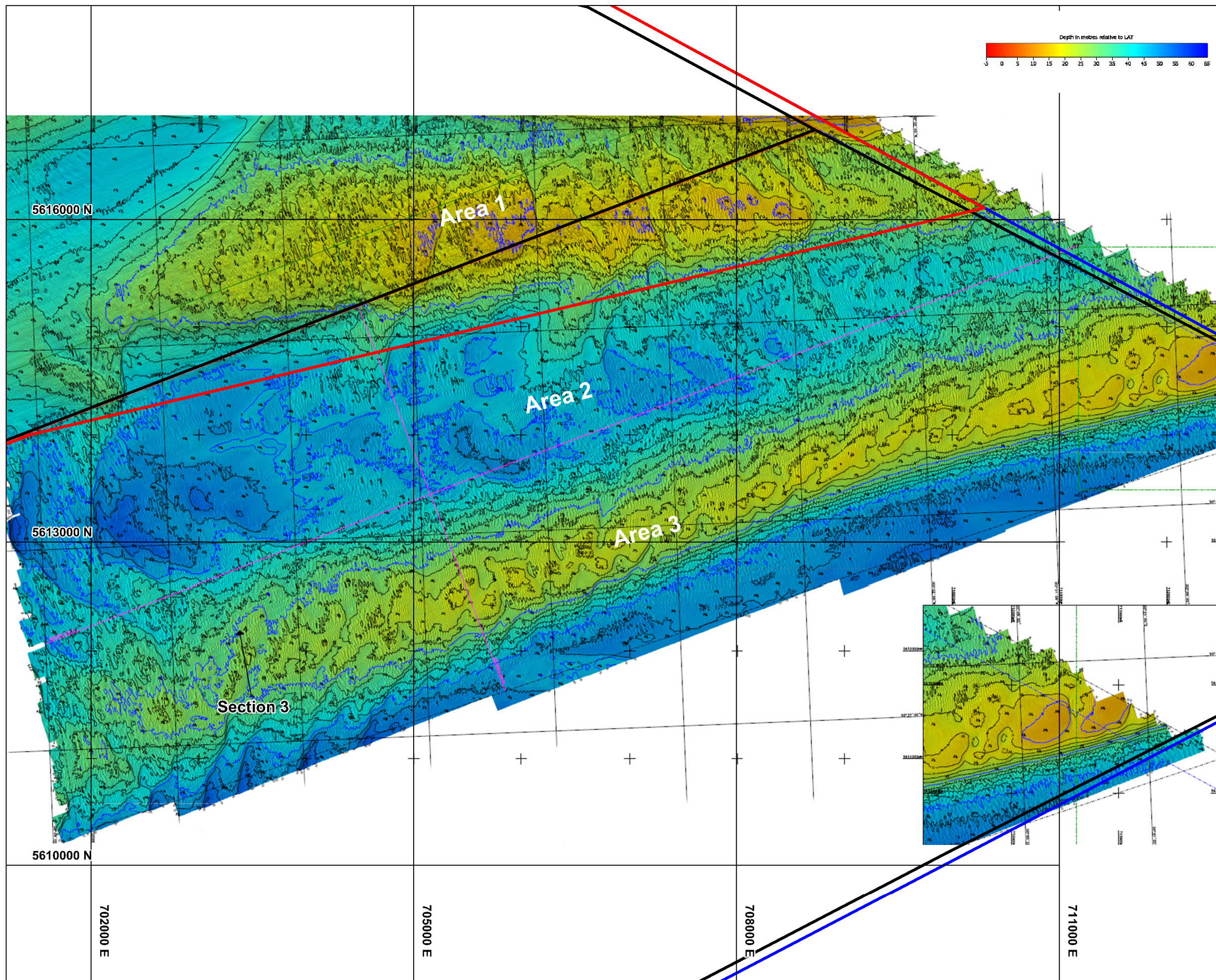
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REV 01



Legend :

- The Crown Estate Zone 6
- Rampion Offshore Wind Farm Site
- Geophysical Survey Zones

Depth in metres relative to LAT

5616000 N

5613000 N

5610000 N

702000 E

705000 E

708000 E

711000 E

Area 1

Area 2

Area 3

Section 3

0 5 10 15 20 25 30 35 40 45 50 55 60 65

0 0.5 1

kilometres

Scale = 1:50,000 @ A3

Rev

Date

Description

Drn

Chk

App

01 22.11.12 Boundaries added LH NH DW

00 03.05.12 First Draft LH NH DW

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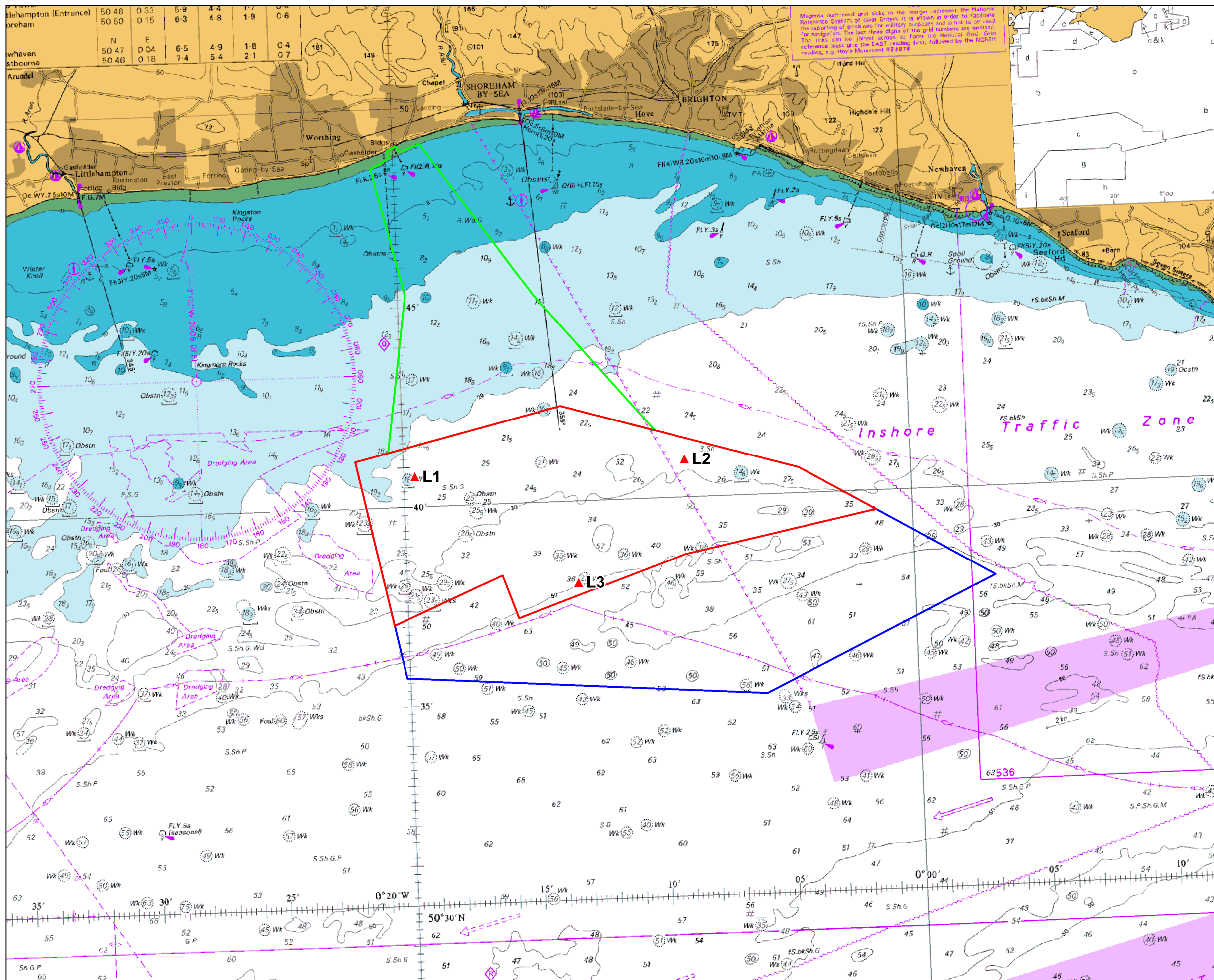
4C Offshore

Title :

Figure 6.9 Section 3 Distinct Areas

REV 01

FILE NAME: P41318 105 - GISIES_Fig 6-9 Section 3 Distinct Areas.wor



Legend :

- The Crown Estate Zone 6
- Rampion Offshore Wind Farm Boundary
- Offshore Cable Corridor
- Rampion Metocean Monitoring Station

(L1) 50°40.80'N 000°19.60'W
(L2) 50°41.00'N 000°08.94'W
(L3) 50°38.00'N 000°13.30'W

Revision History

Rev	Date	Description	Drn	Chk	App
01	22.11.12	Boundaries changed	LH	NH	DW
00	03.05.12	First Draft	LH	NH	DW

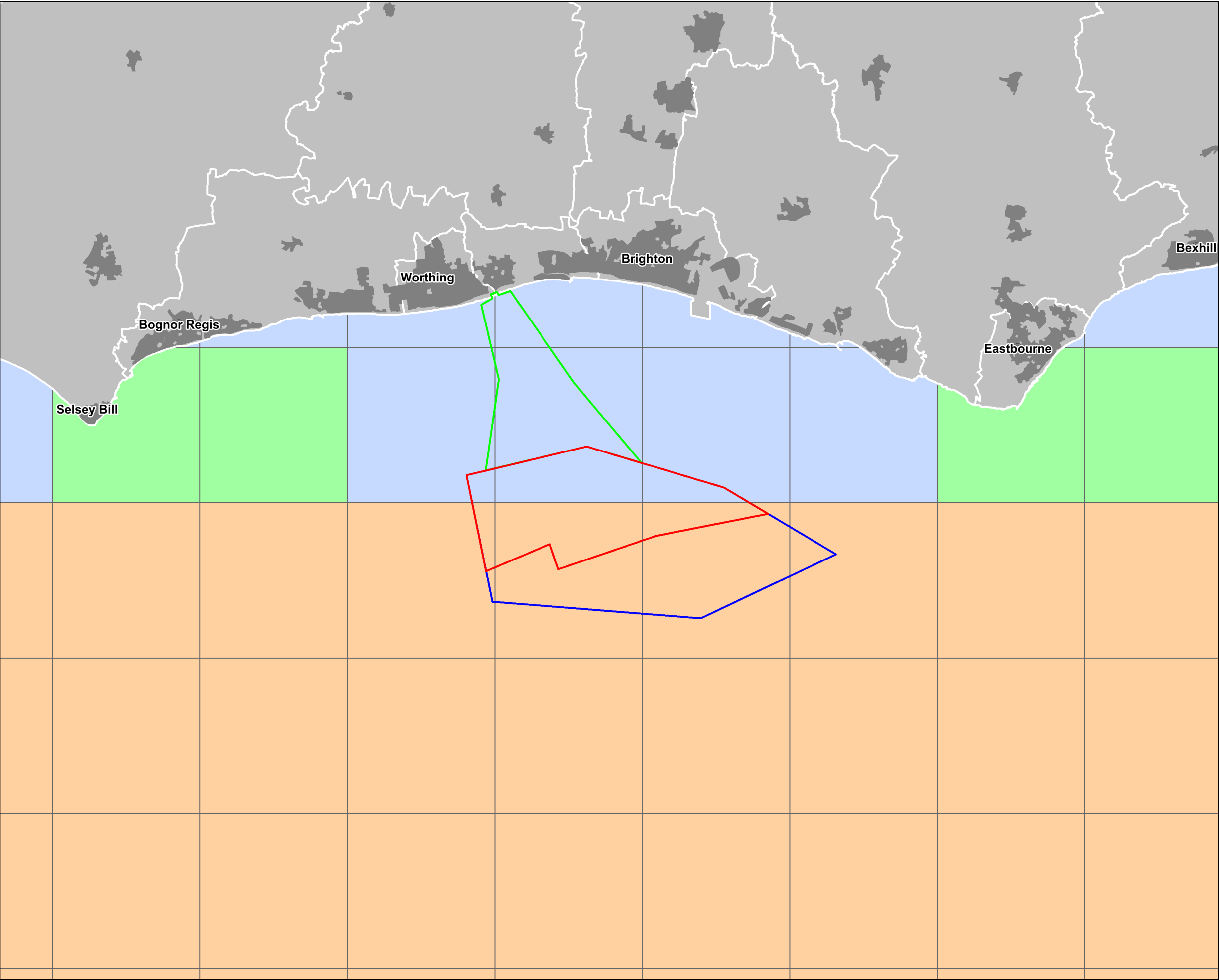
Rampion Wind Farm

e-on
RSK **4C Offshore**

Title :
Figure 6.16 16 AWAC Locations within the Rampion Site Boundary (EMU, 2011a)

0 2.5 5
kilometres
Scale = 1:175,000 @ A3

REV 01



Legend :

- The Crown Estate Zone 6
- Rampion Offshore Wind Farm Site
- Offshore Cable Corridor

Wind (m/s @100m)

- 4.48 to 6.73
- 6.73 to 8.59
- 8.59 to 9.88

01	23.10.12	Updated Layout	DL	NH	DW
00	03.05.12	First Draft	LH	NH	DW
Rev	Date	Description	Drn	Chk	App

Rampion Wind Farm

Title :

Figure 6.18 Wind Resource Map.
Created using Wind data from
ABPmer, 2008

0

5

10

kilometres

Scale = 1:300,000 @ A3

N

W

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S

REV 01

FILE NAME: P41318 V05 - GISVES_Fig 6-16 AWAC Locations.wor