

Rampion 2 Wind Farm

Category 6: Environmental Statement

Volume 3, Chapter 3: Alternatives - Figures

Date: August 2024
Revision B

Document Reference: 6.3.3

Pursuant to: APFP Regulation 5 (2) (a)

Ecodoc number: 004883038-02



Document revisions

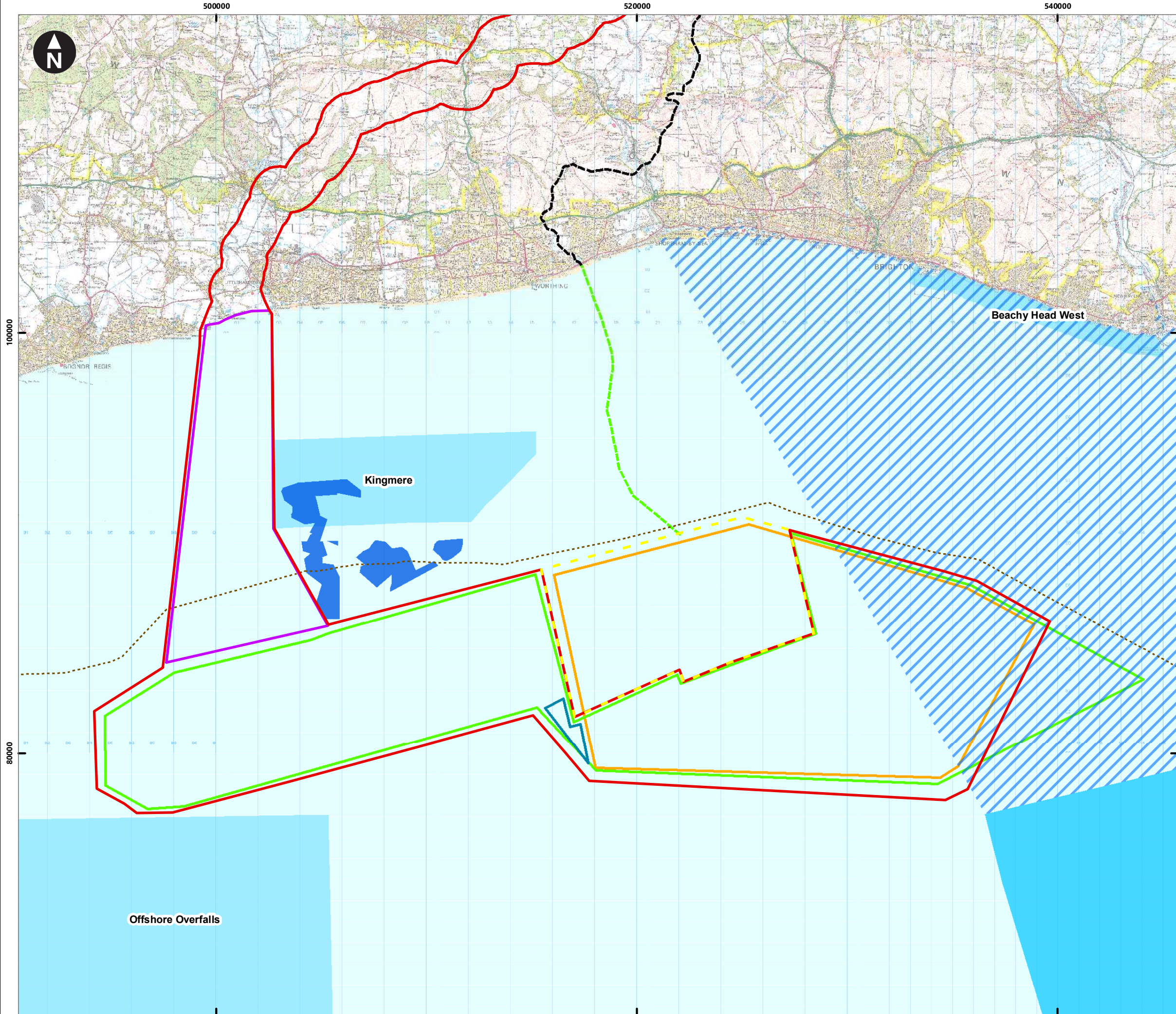
Revision	Date	Status/reason for issue	Author	Checked by	Approved by
A	04/08/2023	Final for DCO Application	WSP	RED	RED
B	01/08/2024	Update to Figure 3.5	WSP	RED	RED

Contents

List of Figures

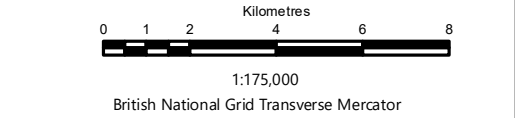
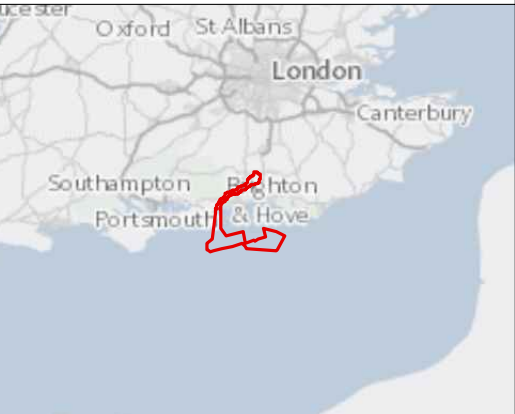
Figure number	Figure Title	APFP number	Ecodoc number	Revision	Revision Date
Figure 3.1a	Offshore site selection prior to scoping: overview of marine features	5 (2) (a)	004866057-01	A	04/08/2023
Figure 3.1b	Overview of offshore constraints	5 (2) (a)	004866057-01	A	04/08/2023
Figure 3.2	Offshore design refinement between Scoping and Statutory Consultation	5 (2) (a)	004866058-01	A	04/08/2023
Figure 3.3	PEIR Assessment Boundary and proposed DCO Order Limits	5 (2) (a)	004866059-01	A	04/08/2023
Figure 3.4	Landfall to connection point options	5 (2) (a)	004866060-01	A	04/08/2023
Figure 3.5	Overview of Onshore cable route refinements considered between Scoping and Statutory Consultation 2021	5 (2) (a)	004866061-02	B	01/08/2024
Figure 3.6	Longer Alternative Cable Routes presented at Supplementary Statutory consultation	5 (2) (a)	004866062-01	A	04/08/2023
Figure 3.7	Other modifications and alternatives	5 (2) (a)	004866063-01	A	04/08/2023

Figure number	Figure Title	APFP number	Ecodoc number	Revision	Revision Date
	presented at Supplementary Statutory Consultation				
Figure 3.8	Alternatives presented in third Statutory Consultation exercise	5 (2) (a)	004866064-01	A	04/08/2023
Figure 3.9	Offshore export cable corridor changes	5 (2) (a)	004866067-01	A	04/08/2023
Figure 3.10a	Substation search areas at Scoping	5 (2) (a)	004866067-01	A	04/08/2023
Figure 3.10b	Substation search areas at Statutory consultation and DCO submission	5 (2) (a)	004866067-01	A	04/08/2023
Figure 3.11	Onshore Cable route options to onshore substation search areas	5 (2) (a)	004866068-01	A	04/08/2023
Figure 3.12	Cable route options to Bolney substation	5 (2) (a)	004879244-01	A	04/08/2023
Figure 3.13	National Grid Bolney substation extension options	5 (2) (a)	004892368-01	A	04/08/2023



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- Key**
- Scoping Boundary
 - Offshore export cable corridor
 - Rampion 1 existing windfarm site
 - Rampion 1 export cable route
 - Rampion 1 onshore cable route
 - Marine cable link area
 - Areas of search - Windfarm
 - Round 3 zone 6 Area
 - 13 km to shore line
 - Inshore Traffic Zone
 - Active aggregates extraction licence areas
 - Marine Conservation Zone (MCZ)
 - Dover Strait Traffic Separation Scheme



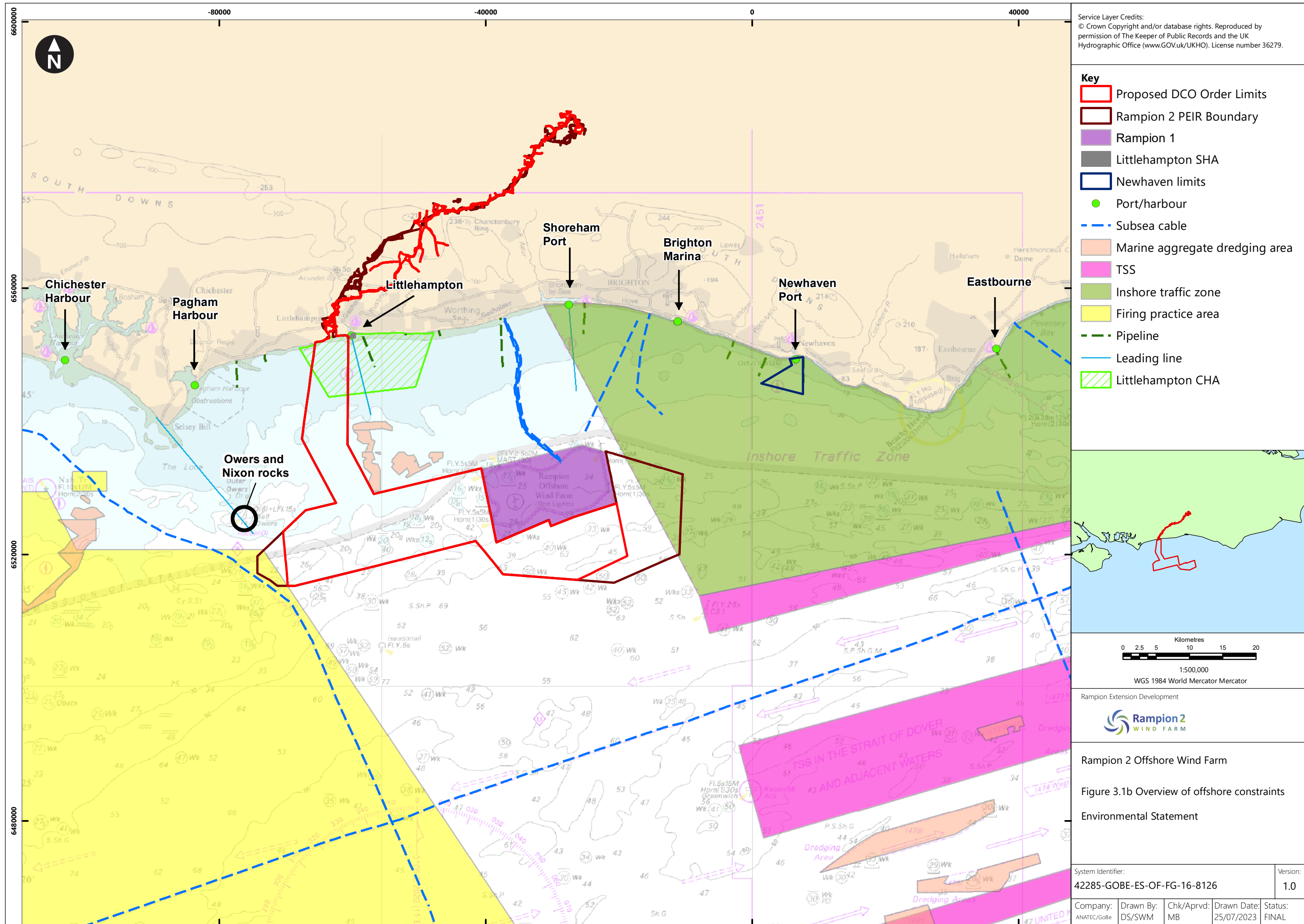
Rampion Extension Development

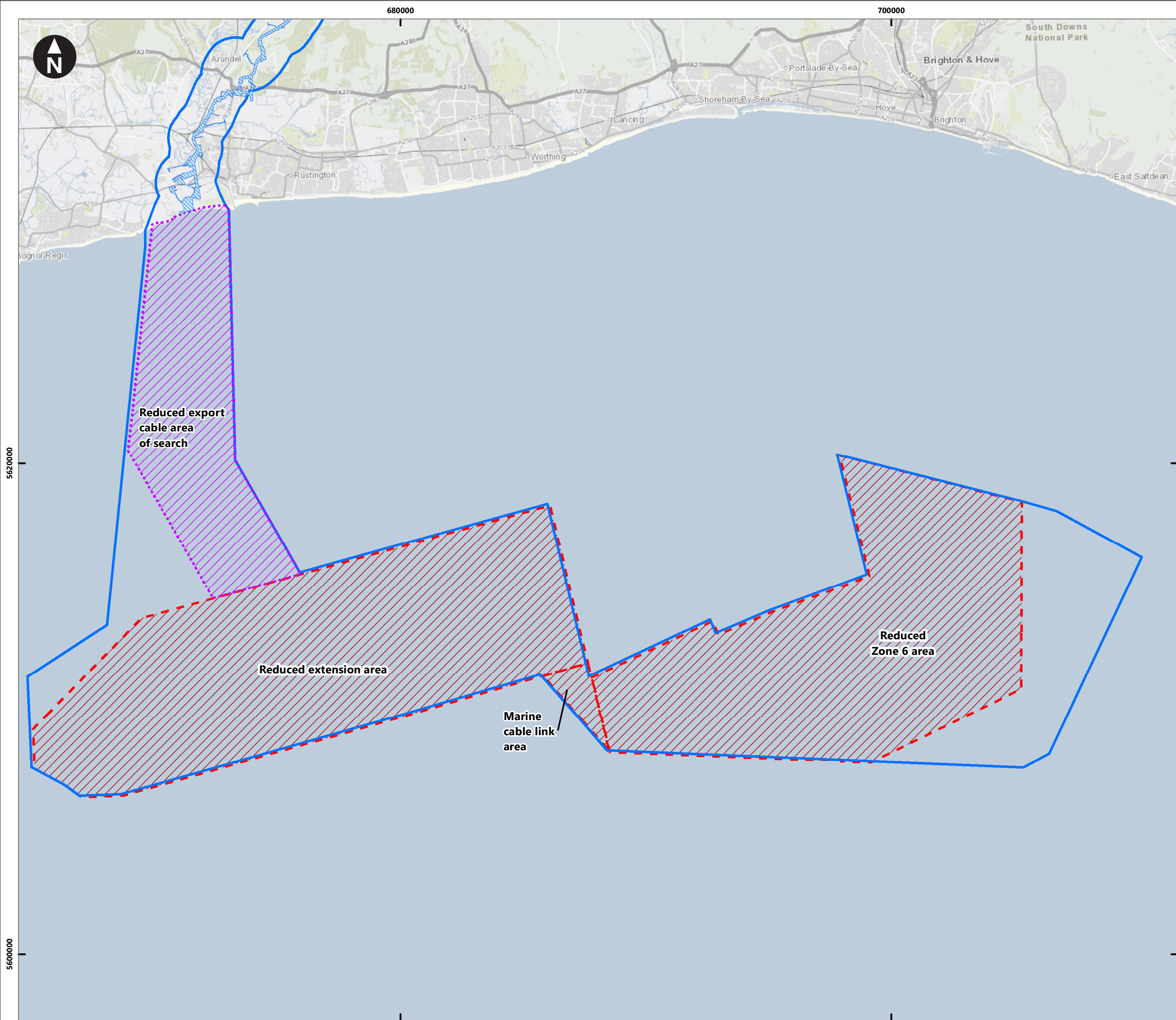
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Figure 3.1a Offshore site selection prior to scoping: overview of marine features

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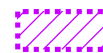


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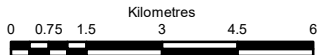
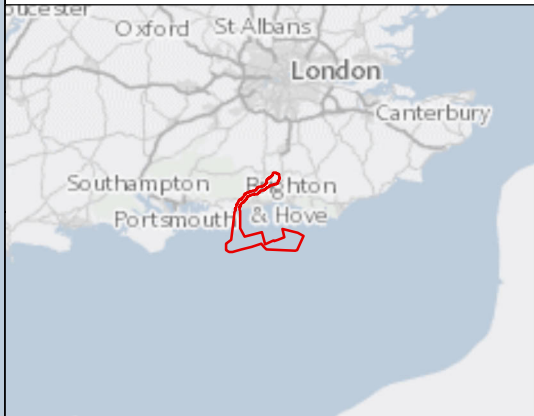




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Key

-  PEIR Assessment Boundary onshore cable corridor
-  PEIR Assessment Boundary Offshore export cable corridor
-  PEIR Assessment Boundary Offshore Array Areas
-  Scoping Boundary



1:150,000

WGS 1984 UTM Zone 30N Transverse Mercator

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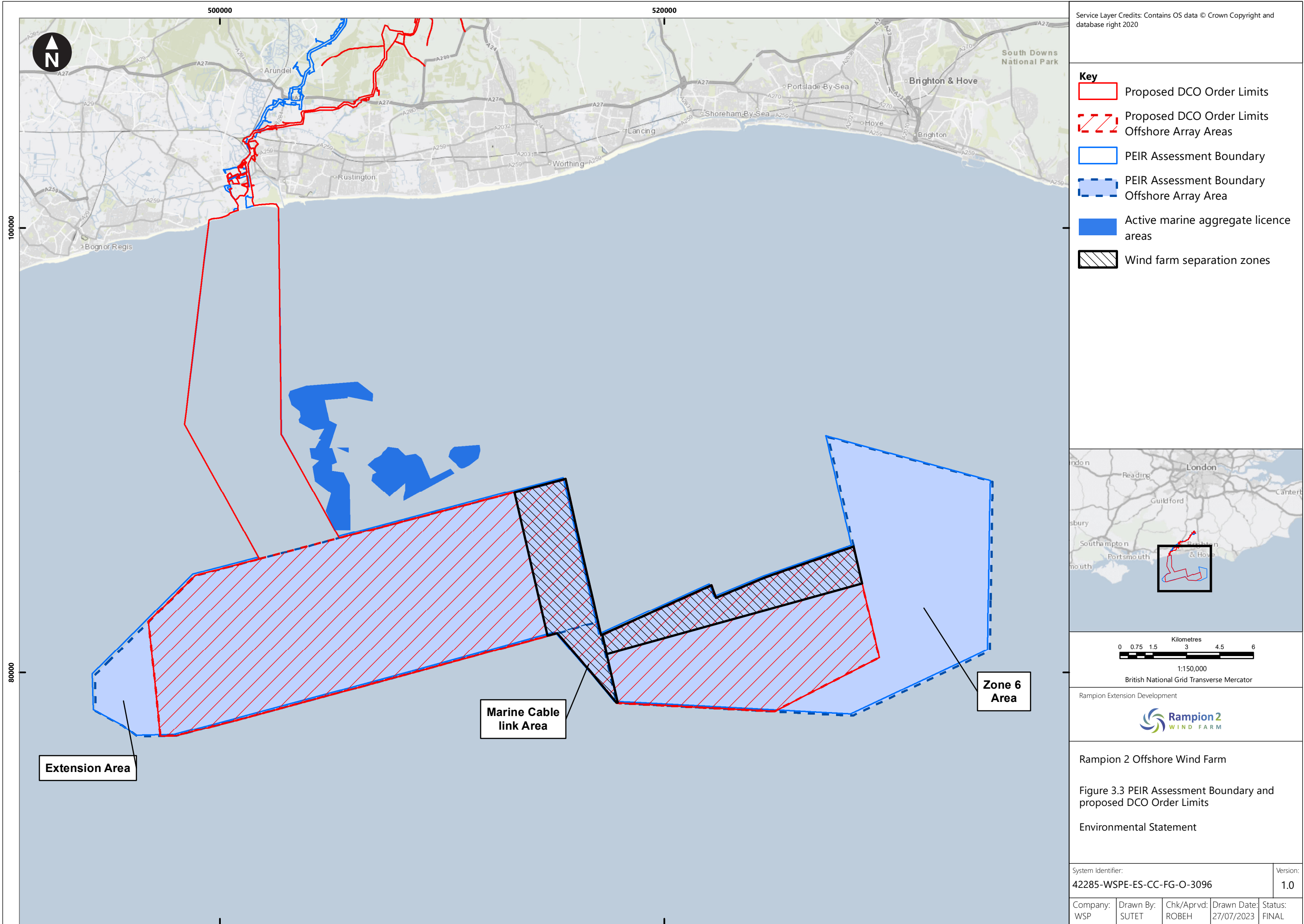


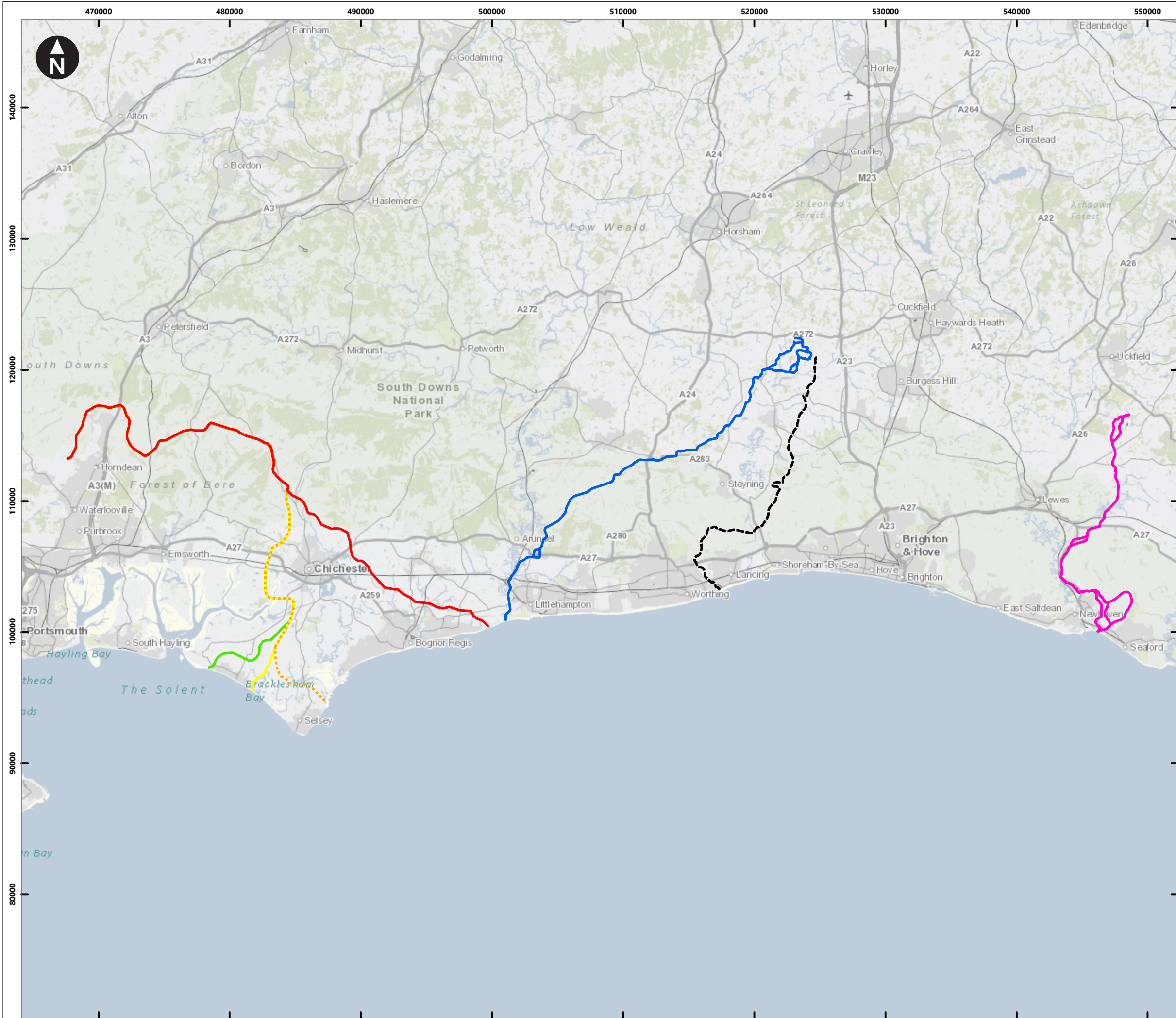
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Figure 3.2 Offshore design refinement between Scoping and Statutory Consultation

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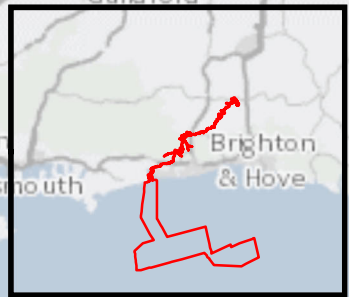


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Key

Landfall to connection point options

- Brooklands to Bolney (Rampion 1 onshore cable route)
- Climping to Lovedean
- Church Norton to Lovedean
- Bracklesham to Lovedean
- East Wittering to Lovedean
- Climping to Bolney
- Tide Mills to Little Horsted



0 1.25 2.5 5 7.5 10
Kilometres

1:280,000

British National Grid Transverse Mercator

Rampion Extension Development

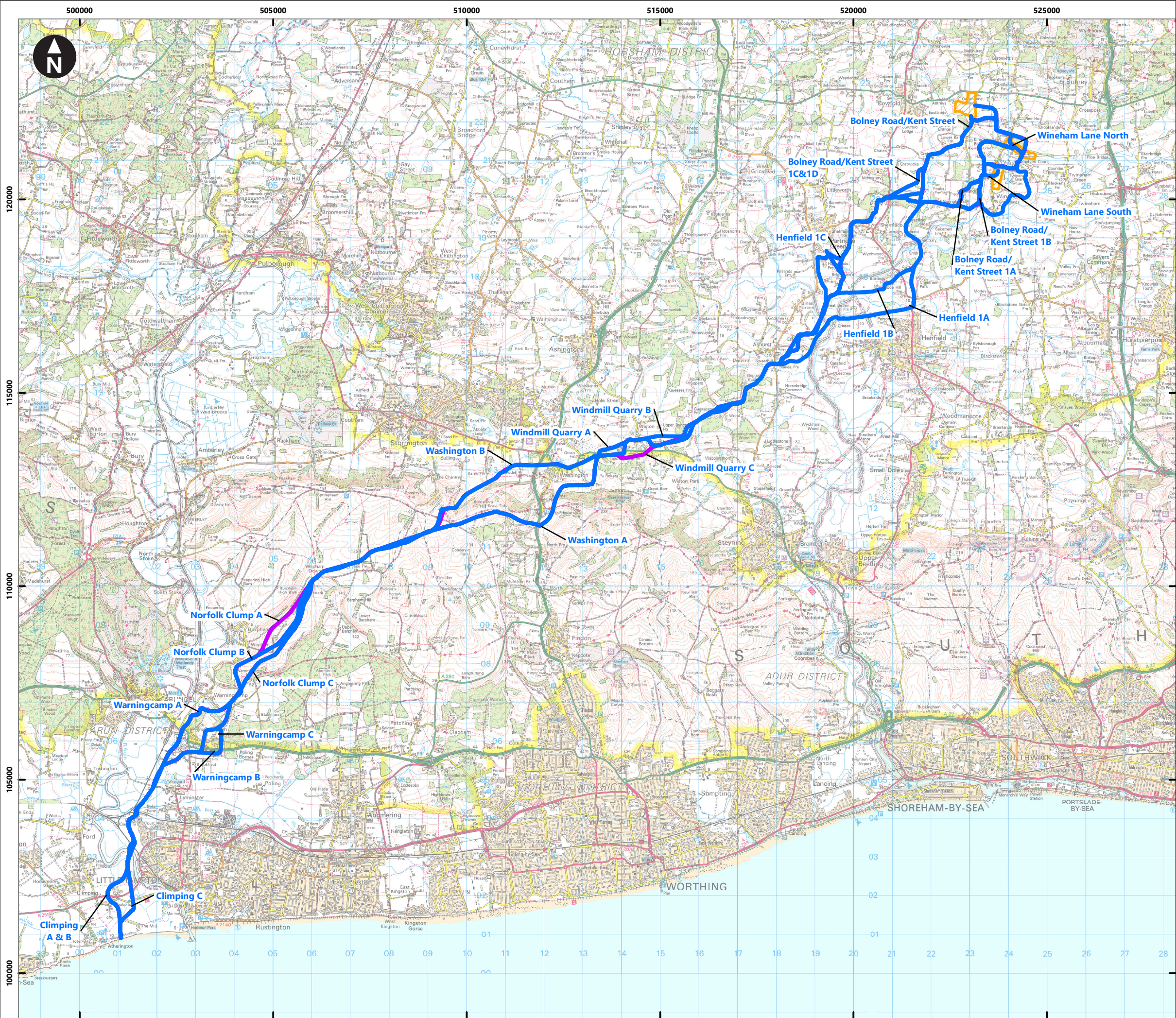


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Figure 3.4 Landfall to connection point options

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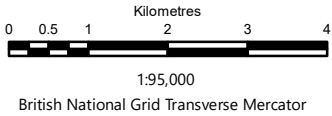
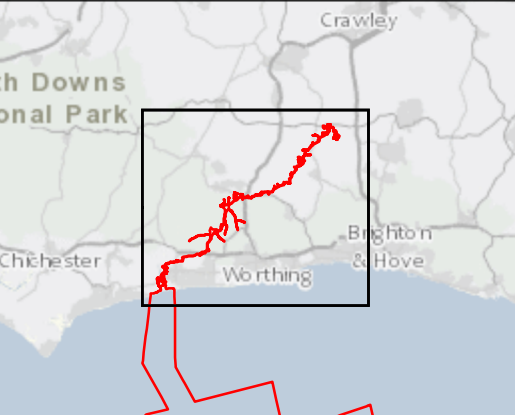
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- Key**
- Onshore cable route corridor options
 - Onshore cable route corridor options (discounted)
 - Onshore substation search areas

Note. Onshore substation search areas shown were taken to Statutory Consultation 2021



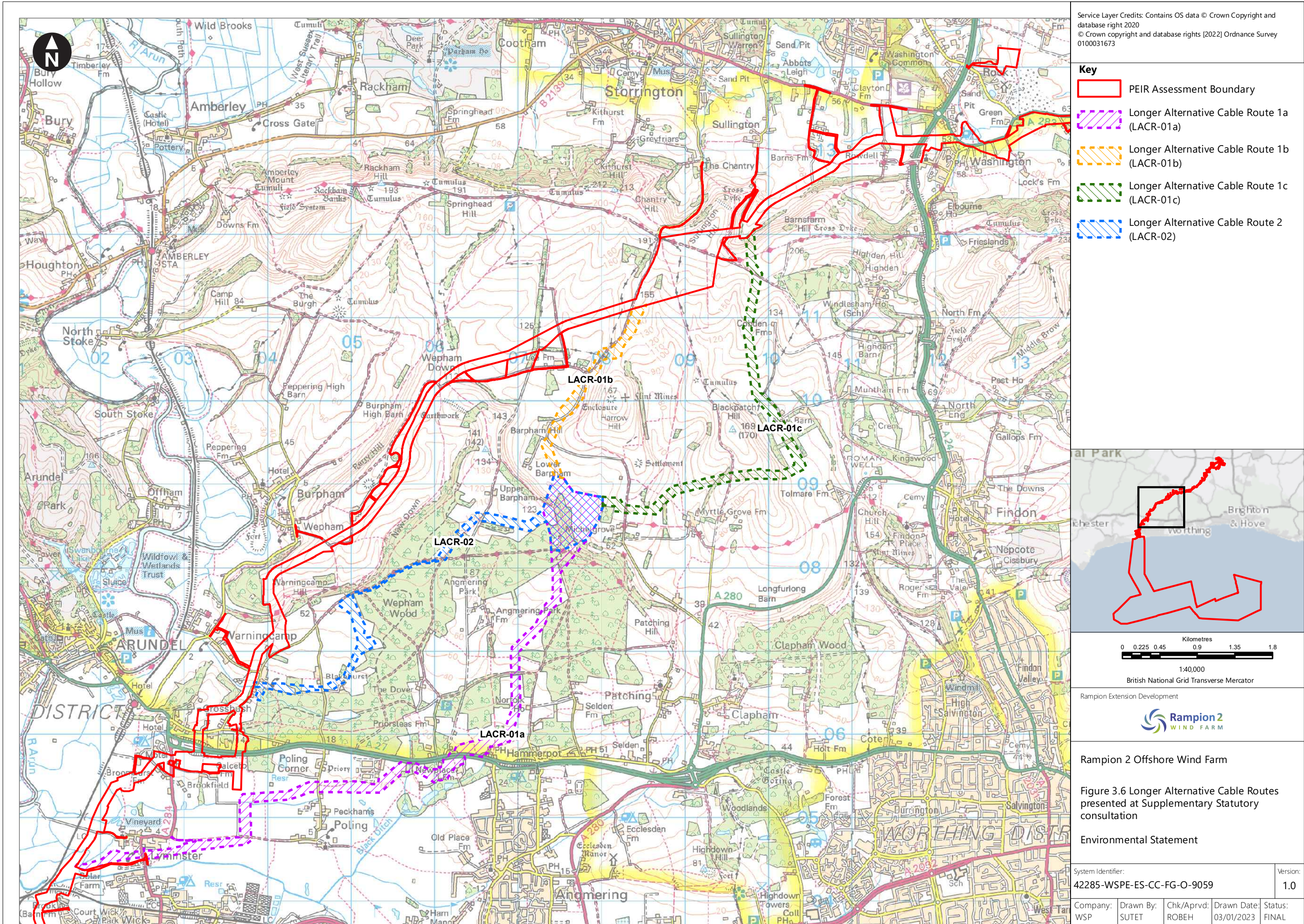
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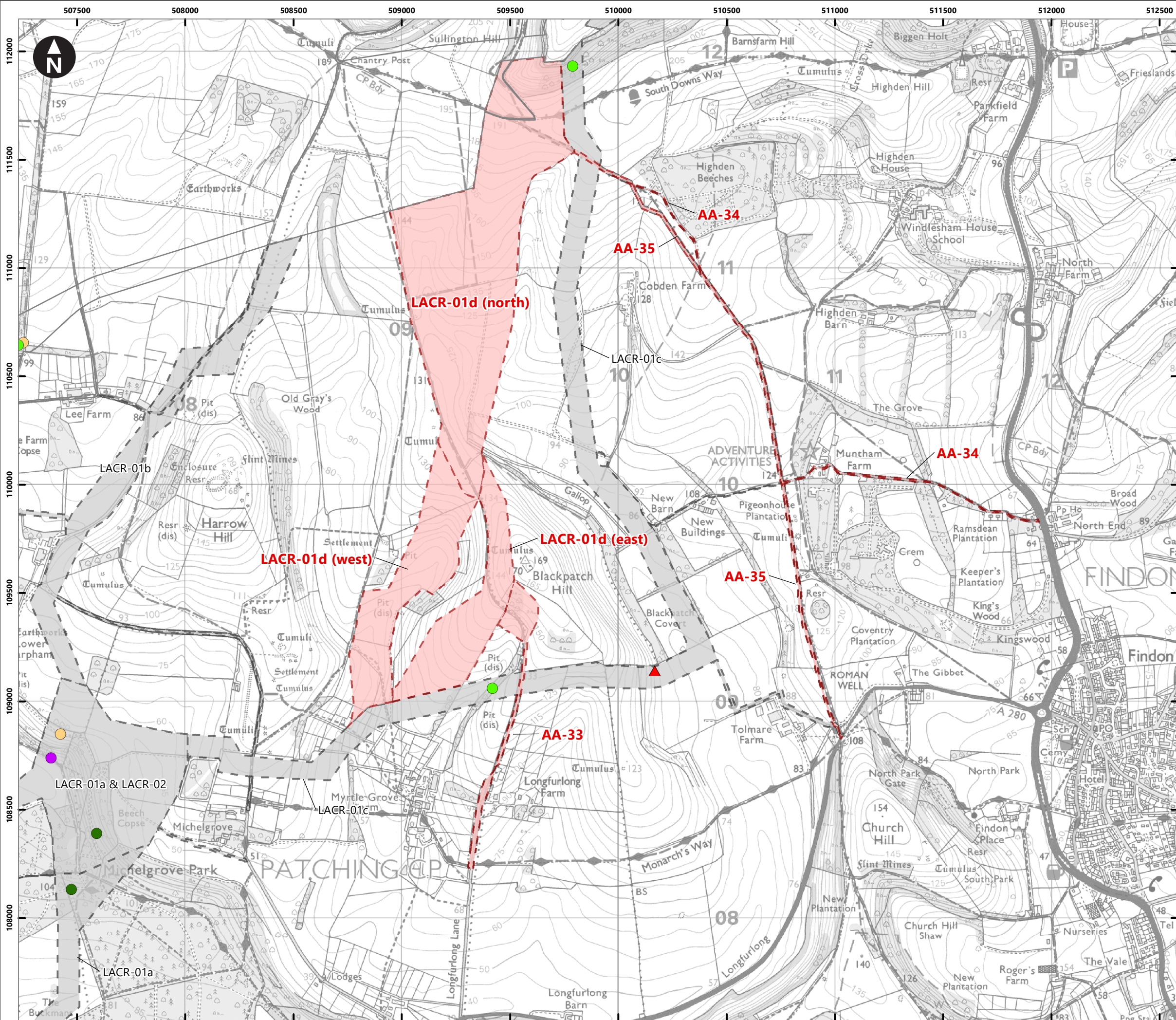
Rampion 2
WIND FARM

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Figure 3.5 (B) Overview of Onshore cable route refinements considered between Scoping and Statutory Consultation 2021

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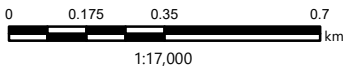
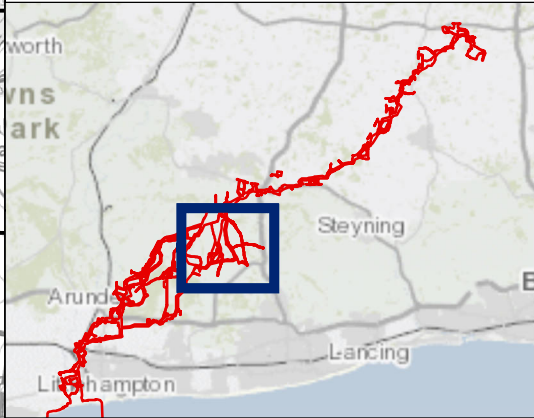
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Label Abbreviations:
LACR - Longer Alternative Cable Route
AA - Alternative Access

- PEIR Assessment Boundary
- New areas of land affected (assessed in the PEIR FSIR)
- New areas of land affected (previously assessed in the PEIR SIR)

Features crossed by trenchless crossings

- Steep Slope
- Track
- Woodland
- Ancient Woodland
- Public Right of Way



Rampion Extension Development



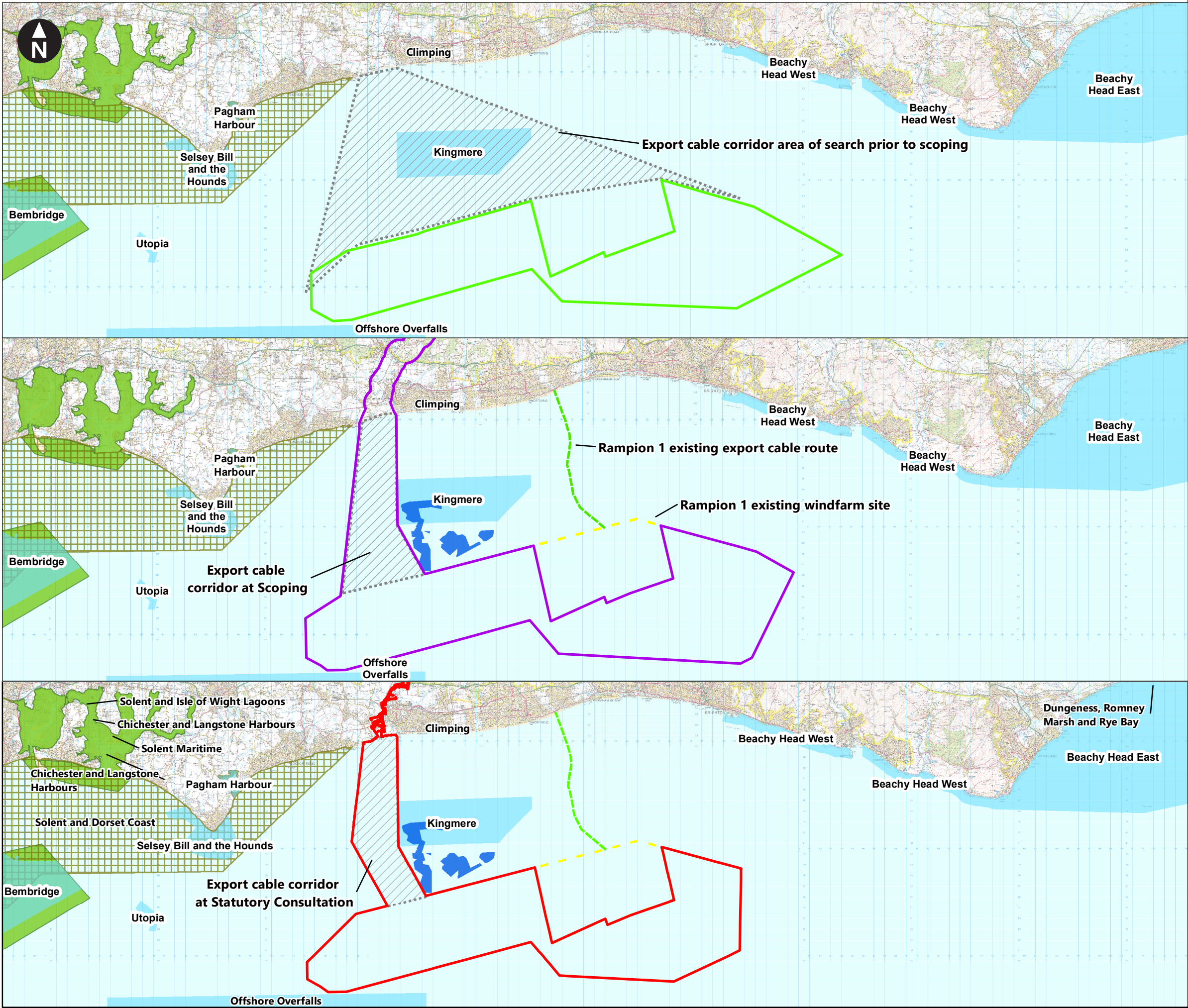
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Figure 3.8 Alternatives presented in third Statutory Consultation exercise

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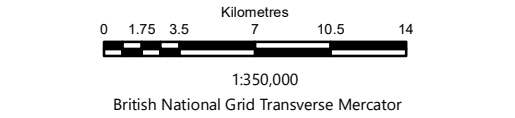
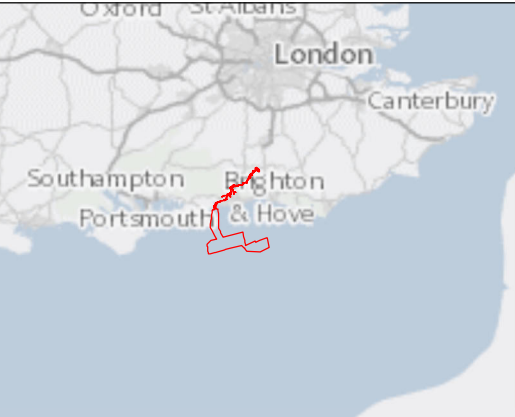
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- Key**
- PEIR Assessment Boundary
 - Scoping Boundary
 - Areas of search - Windfarm
 - Offshore export cable corridor
 - Rampion 1 existing export cable route
 - Rampion 1 Existing Windfarm Site
 - Active aggregates extraction licence areas
 - Marine Conservation Zone (MCZ)
 - Special Protection Areas (SPA)
 - Special Areas of Conservation (SAC)



Rampion Extension Development

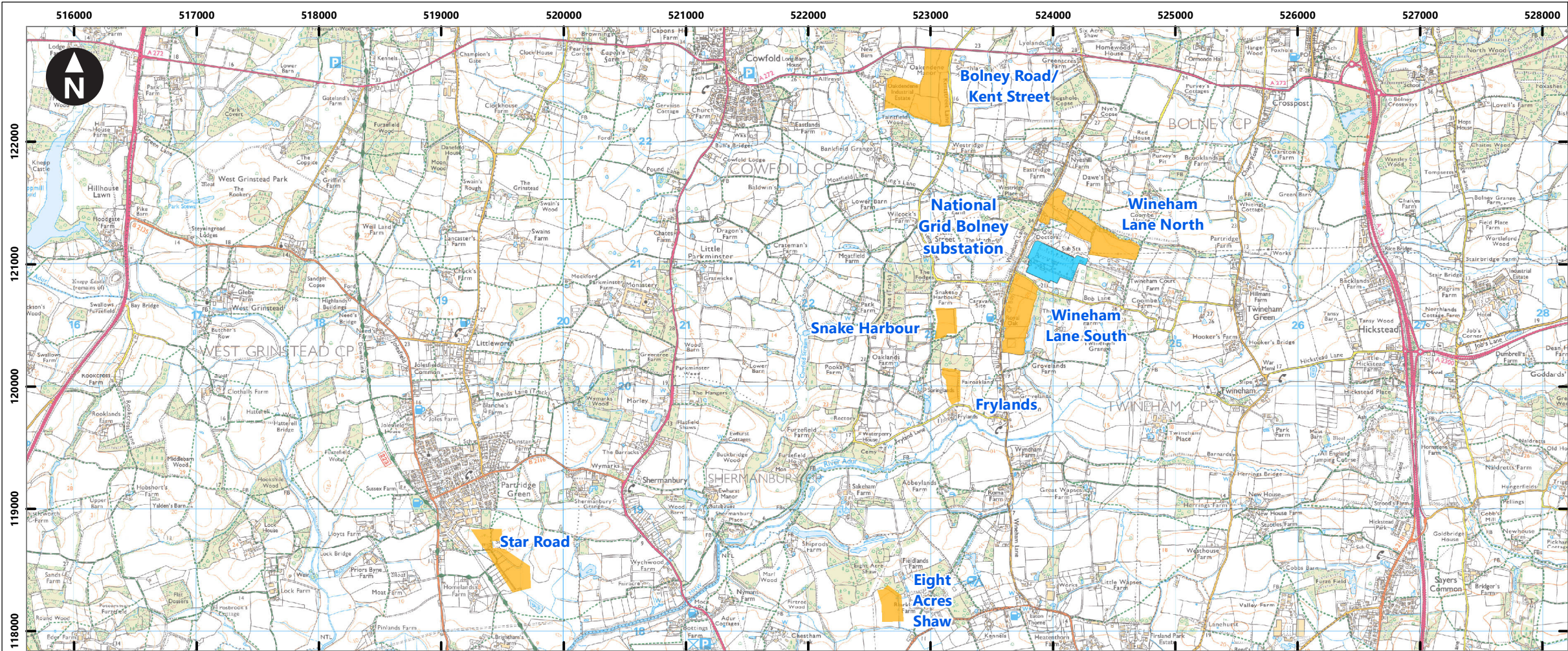
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Figure 3.9 Offshore export cable corridor changes




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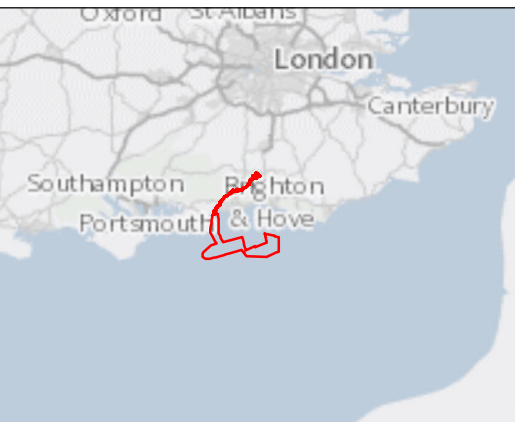
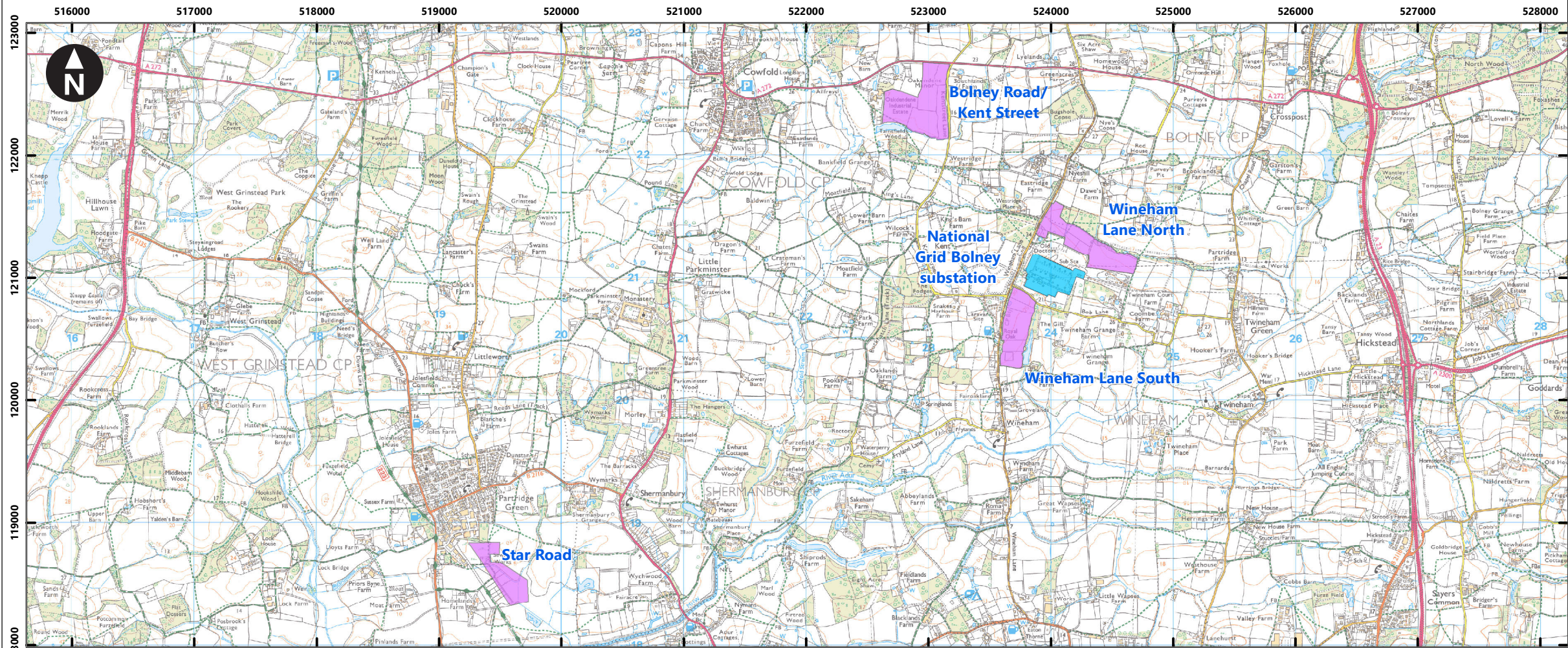
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- Key**
-  Initial substation search areas at Scoping stage
 -  Potential substation search areas considered following Scoping
 -  National Grid Bolney substation



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British National Grid Transverse Mercator

Rampion Extension Development



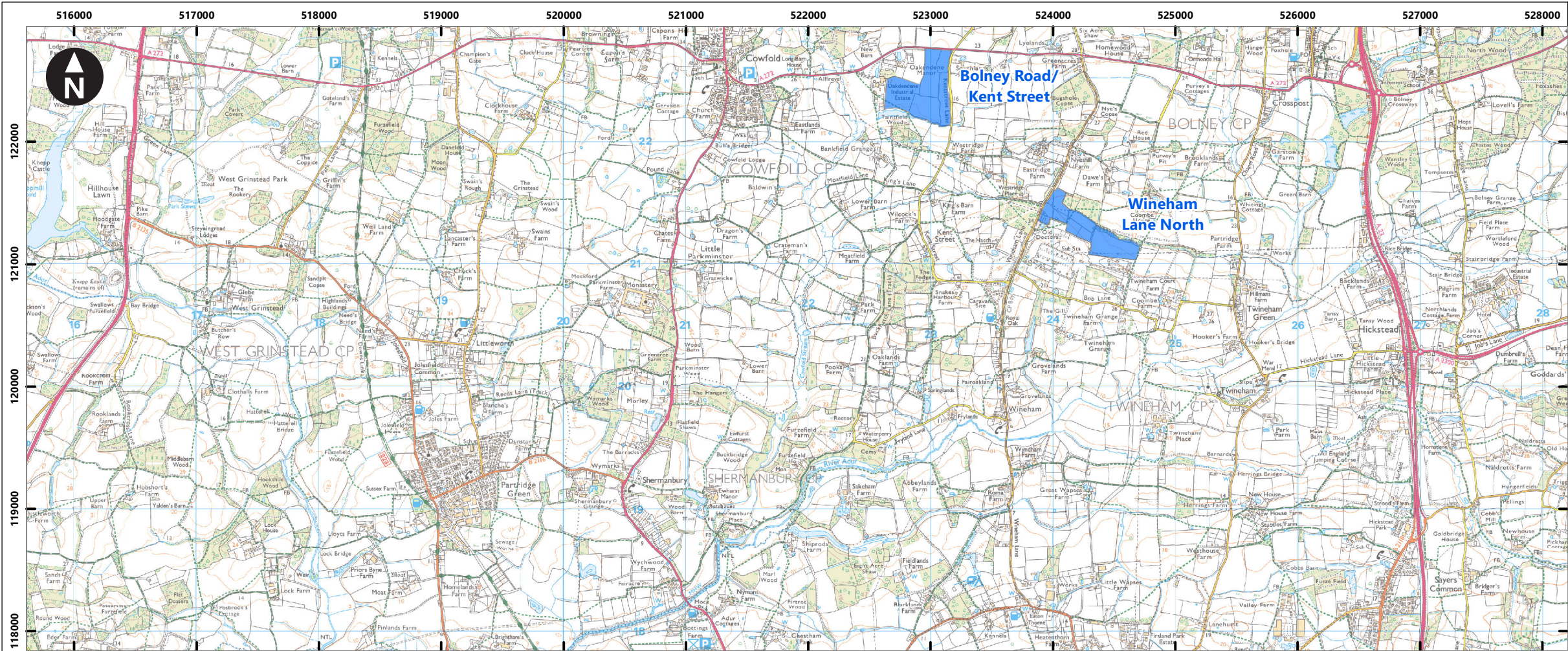
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Figure 3.10a Substation search areas at Scoping



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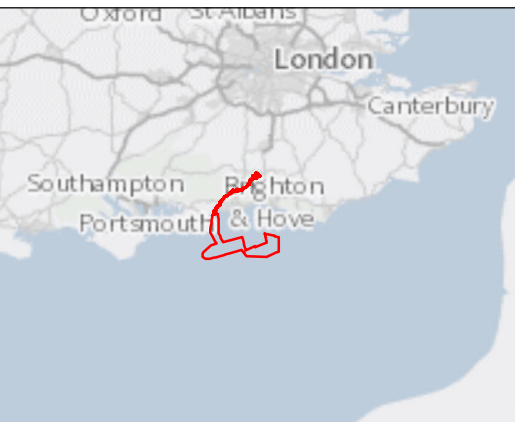
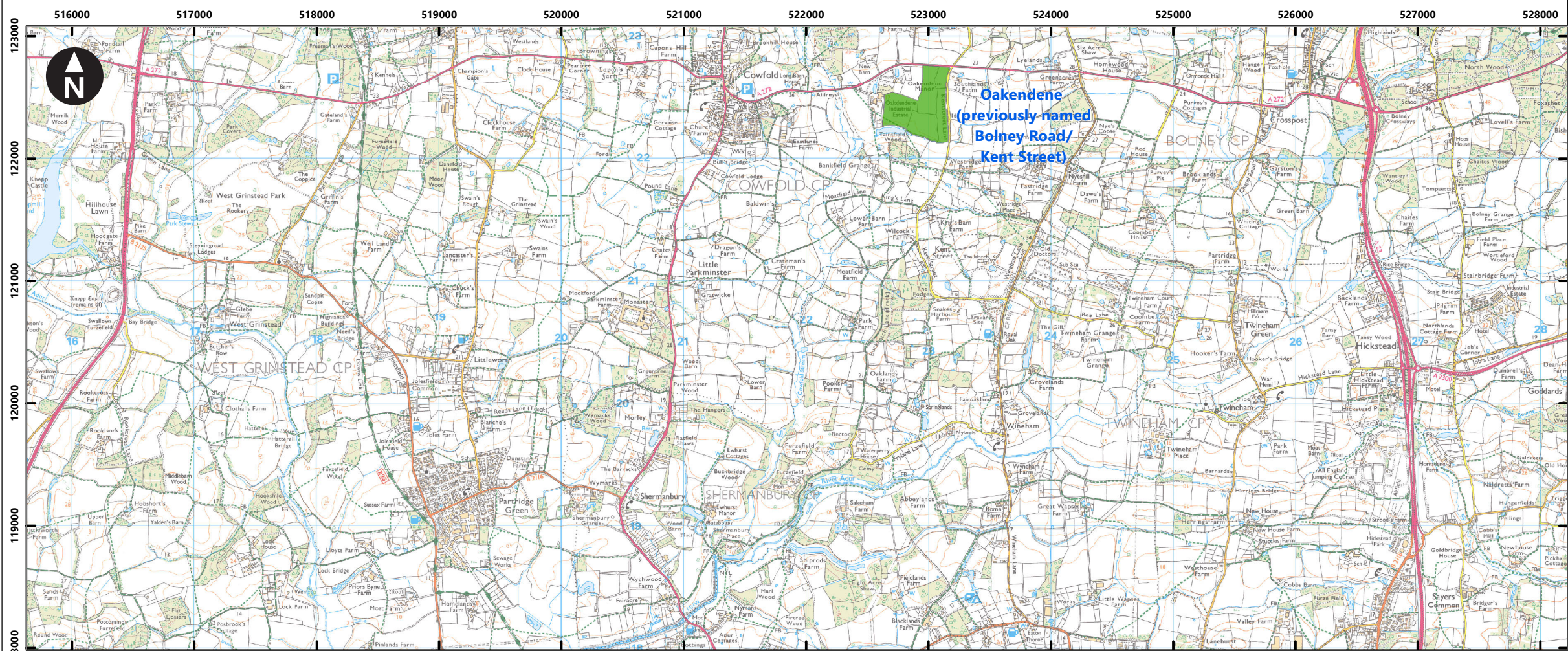
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- Key**
-  Substation search areas presented at Statutory consultation
 -  Onshore substation location in DCO submission



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Kilometres
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British National Grid Transverse Mercator

Rampion Extension Development



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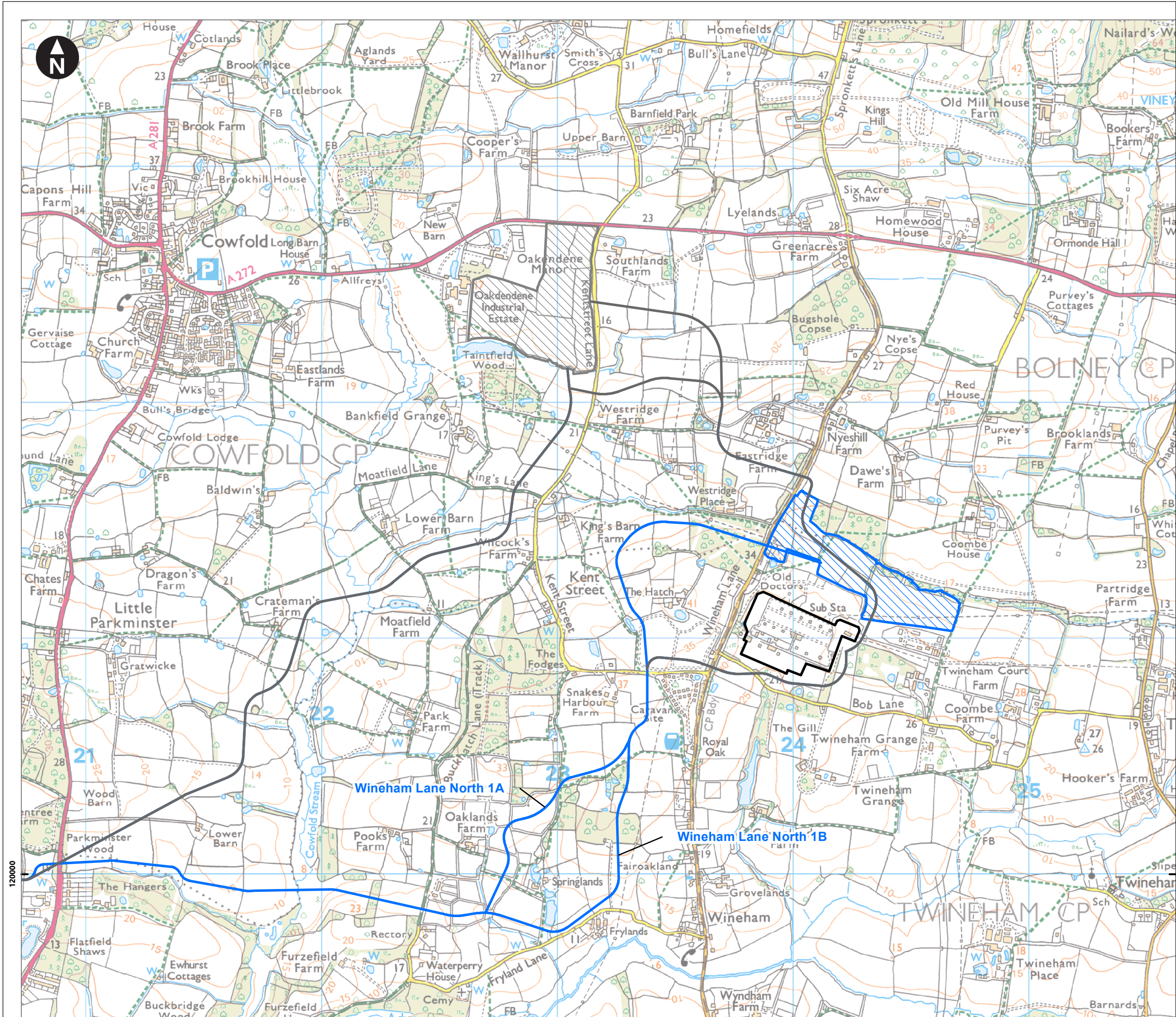
Figure 3.10b Substation search areas at Statutory consultation and DCO Submission

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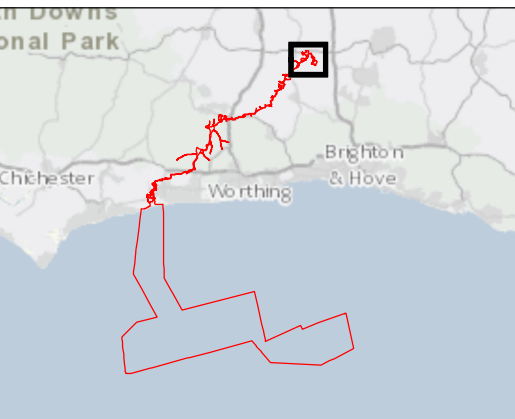
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- Key**
- Existing National Grid Bolney Substation
 - Wineham Lane North onshore substation search area
 - Wineham Lane (1A/1B) cable route options
 - Bolney Road/Kent Street onshore substation search area
 - Bolney Road/Kent Street onshore cable route options



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Kilometres
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British National Grid Transverse Mercator

Rampion Extension Development

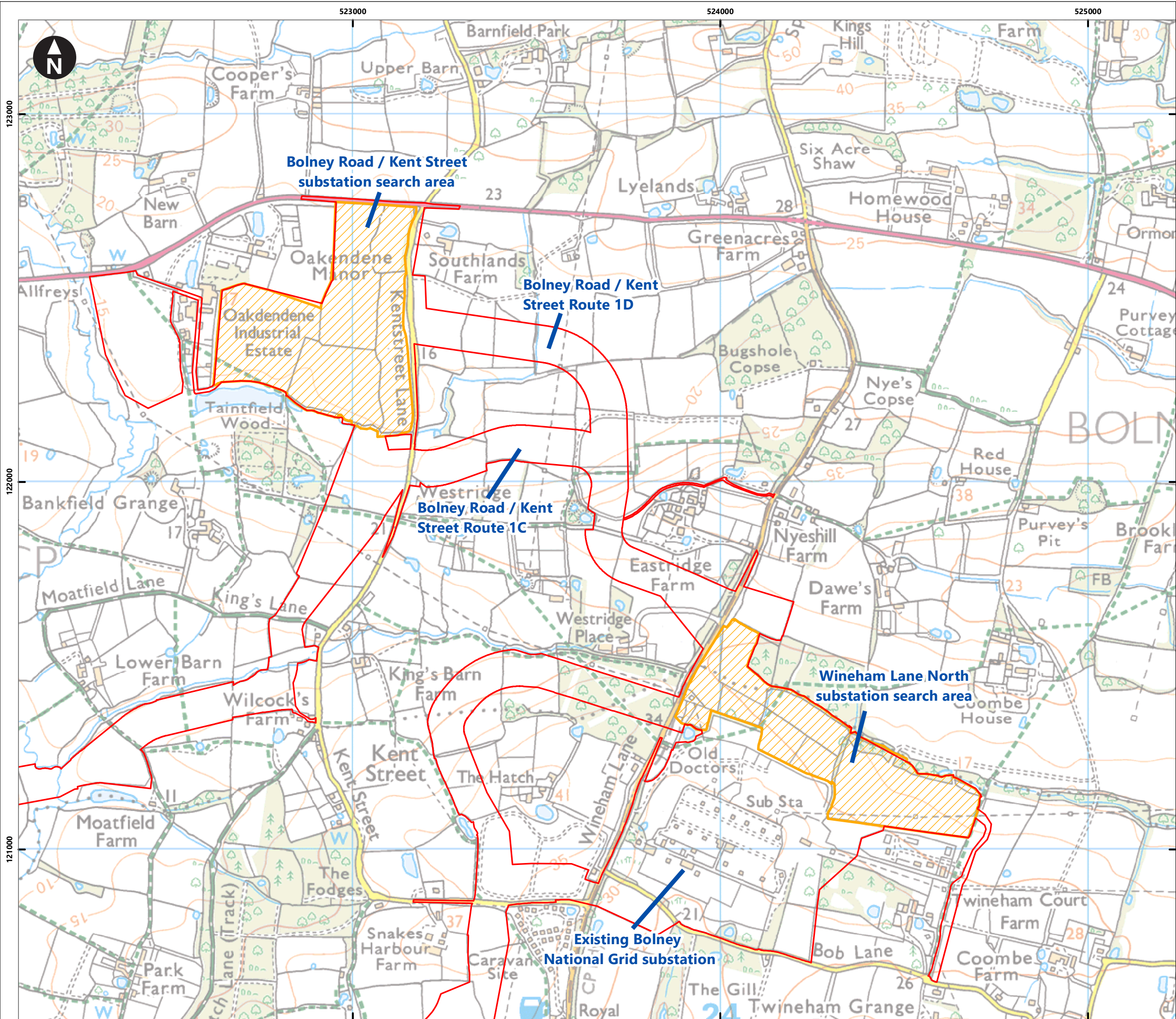


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Figure 3.11 Onshore Cable route options to onshore substation search areas

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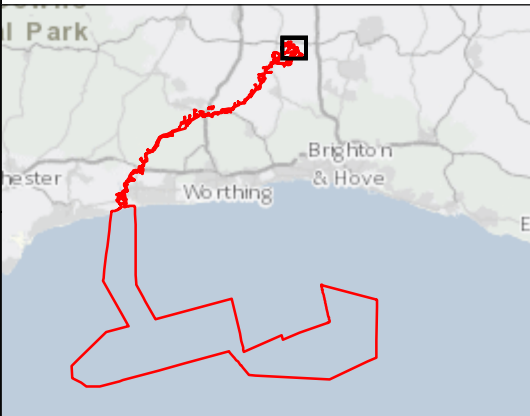


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Key

-  PEIR Assessment Boundary
-  Onshore substation search areas



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Kilometres

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British National Grid Transverse Mercator

Rampion Extension Development

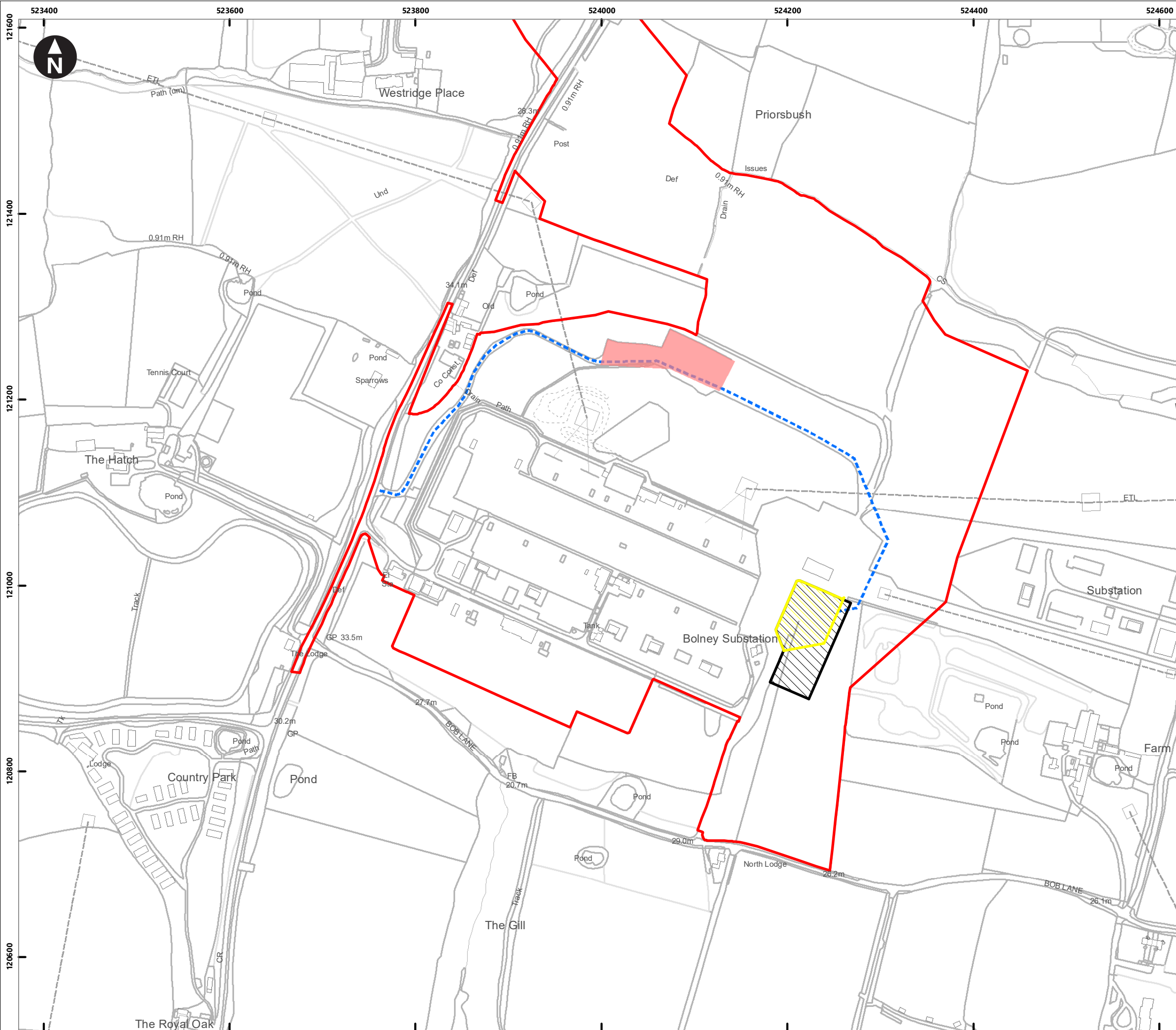


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Figure 3.12 Cable route options to Bolney substation

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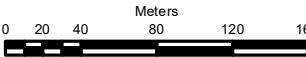
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- Key**
- Proposed DCO Order Limits
 - Bolney Substation extension (GIS)
 - Bolney Substation extension (AIS)
 - Temporary construction compound
 - Temporary construction access

Label Abbreviations:
GIS - Gas Insulated Switchgear
AIS - Air Insulated Switchgear



1:4,000
British National Grid Transverse Mercator

Rampion Extension Development

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Figure 3.13 National Grid Bolney substation extension options
Environmental Statement

System Identifier: 42285-WSPE-ES-CC-FG-O-1982
Version: 1.0

Company: WSP	Drawn By: COLLJ	Chk/Aprvd: RANDR	Drawn Date: 11/07/2023	Status: FINAL
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