

Outer Dowsing Offshore Wind

Environmental Statement

Chapter 17 Seascape, Landscape and Visual

Volume 2 Figures

Part 2 of 3

Date: March 2025

Document Reference: 6.2.17

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

Revision: 3.0

Company:		Outer Dowsing Offshore Wind		Asset:		Whole Asset	
Project:		Whole Wind Farm		Sub Project/Package:		Whole Asset	
Document Title or Description:		Chapter 17 Seascape, Landscape and Visual					
Internal Document Number:		PP1-ODOW-DEV-CS-FIG-0017_03		3 rd Party Doc No (If applicable):		N/A	
Rev No.	Date	Status / Reason for Issue	Author	Checked by	Reviewed by	Approved by	
01	March 2024	DCO Application	GoBe	GoBe	Shepherd & Wedderburn	Outer Dowsing	
02	July 2024	Response to Section 51 advice	GoBe	GoBe	Outer Dowsing	Outer Dowsing	
03	March 2025	Examination ES Update	GoBe	GoBe	Shepherd & Wedderburn	Outer Dowsing	

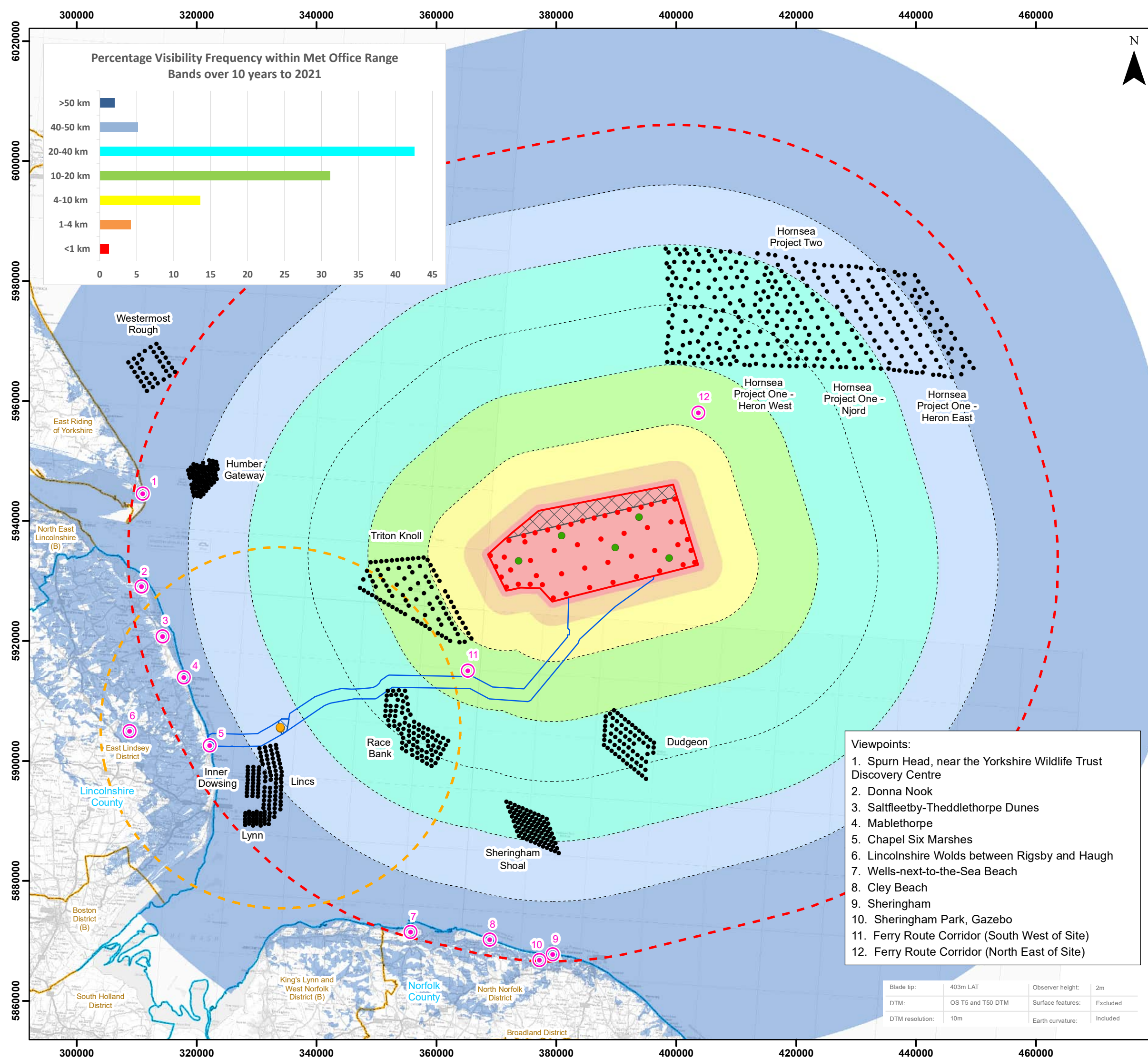
Change Log

- Examination Update: updates to reflect, where relevant: clarifications to date in Examination; correcting errata; additional commitments made through Examination; and changes to status of or addition of cumulative projects.
- Figures 17.1 – 17.36 inclusive have been updated reflect the inclusion of the ORBA and ECC route removal, together with refinements to the Project Order Limits made during examination.
- The wireline visualisations and photomontages in Figures 17.25 – 17.36 inclusive have been updated to reflect the inclusion of the ORBA and ECC route removal, which resulted in changes to the WTG array layout and position of the ORCPs.
- Figure 17.10a has been renumbered (from 17.10) to allow the inclusion of Figure 17.10b and updated to show the landscape character areas in North Norfolk in greater detail, with Figure 17.10b added to provide further detail in relation to these landscape character areas in relation to the ZTV.
- Figure 17.11 has been updated to show the location and extent of Sheringham Hall Registered Park and Garden in greater detail.
- Figure 17.13a has been renumbered to allow the inclusion of Figure 17.13b, with Figure 17.13b comprising a new Figure to show the visibility range in relation to the ORCPs.

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- Figure 17.13a Array Area Blade Tip ZTV with Visibility Range (document reference 6.2.17.13a)
- Figure 17.13b Offshore Reactive Compensation Platforms (ORCPs) ZTV with Visibility Range (document reference 6.2.17.13b)
- Figure 17.14 Offshore Reactive Compensation Platforms (ORCPs) ZTV (document reference 6.2.17.14)

- Figure 17.15 Offshore Reactive Compensation Platforms (ORCPs) ZTV with landscape character and designations (document reference 6.2.17.15)
- Figure 17.16 Offshore Reactive Compensation Platforms (ORCPs) ZTV with Surface Feature Screening (document reference 6.2.17.16)
- Figure 17.17 Offshore Reactive Compensation Platforms (ORCPs) ZTV with Surface Feature Screening and landscape character and designations (document reference 6.2.17.17)
- Figure 17.18 Baseline Lighting (document reference 6.2.17.18)
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- Figure 17.20 Artificial Nesting Structure Search Area ZTV (WCS Position North and South) (A3) (document reference 6.2.17.20)
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- Figure 17.22 Cumulative ZTV - Hornsea Project Four (document reference 6.2.17.22)
- Figure 17.23 Cumulative ZTV - Sheringham Shoal Extension (document reference 6.2.17.23)
- Figure 17.24 Cumulative ZTV - Dudgeon Extension (document reference 6.2.17.24)



Legend

- Indicative Layout
- Indicative Offshore Platforms
- Offshore Reactive Compensation Platform (ORCP)
- Viewpoints
- Array Area
- Offshore Export Cable Corridor (ECC)
- Offshore Reactive Compensation Platform (ORCP) Area
- Offshore Restricted Build Area
- 10km Radii
- 60km Study Area
- Offshore Reactive Compensation Platform (ORCP) Study Area
- County Boundary
- District / Unitary Authority Boundary

Cumulative Wind Farm Status:

- Operational

Met Office Visibility Range

- < 1km Very Poor Visibility
- 1 - 4km Poor Visibility
- 4 - 10km Moderate Visibility
- 10 - 20km Good Visibility
- 20 - 40km Very Good Visibility
- 40 - 50km Excellent Visibility
- > 50km Excellent Visibility

Coordinate System: WGS 1984 UTM Zone 31N

0 5 10 15 20 km

Scale: 1:600,000

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Array Area Blade Tip ZTV with Visibility Range

Figure 17.13a

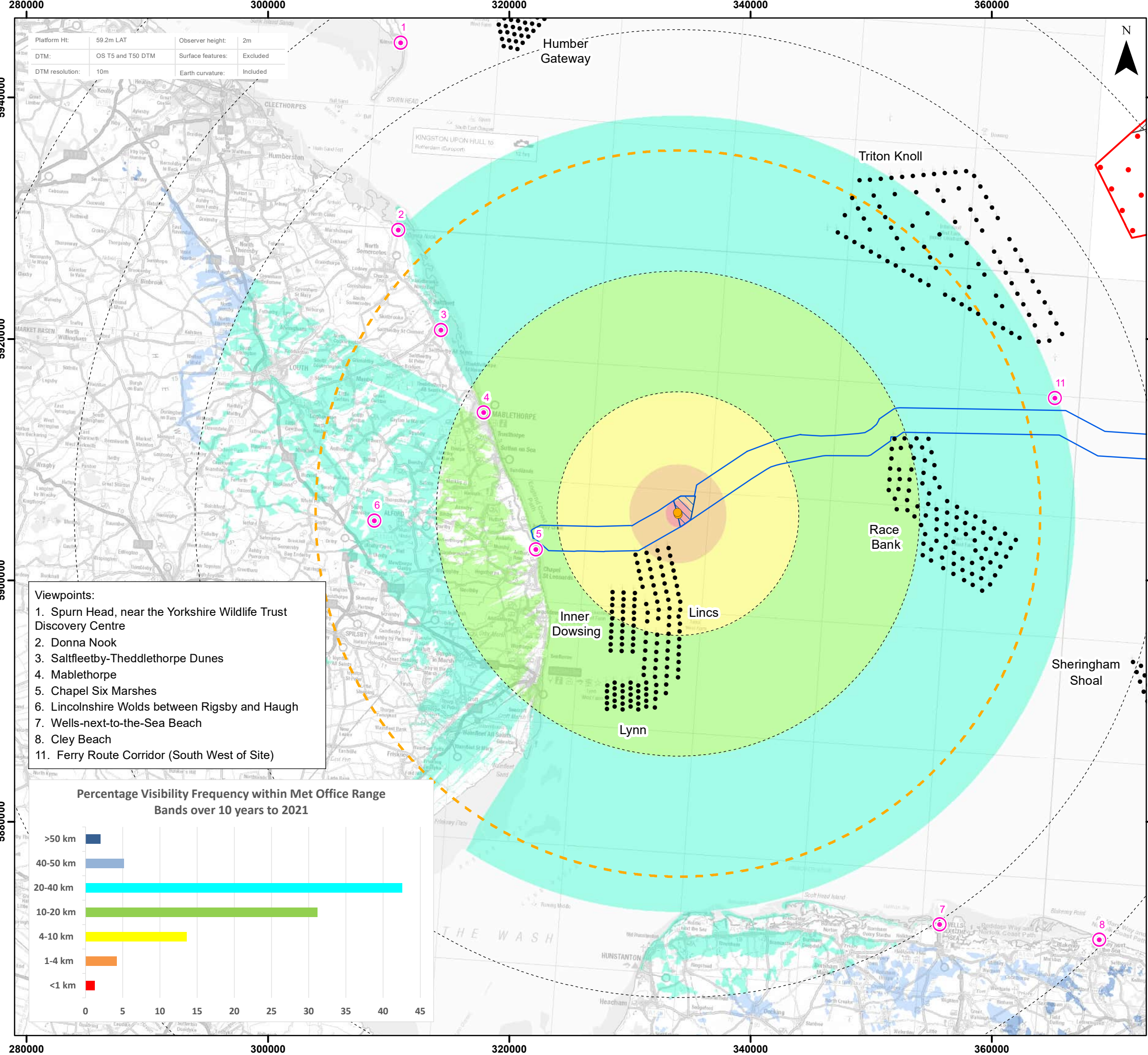
OUTER DOWSING
OFFSHORE WIND

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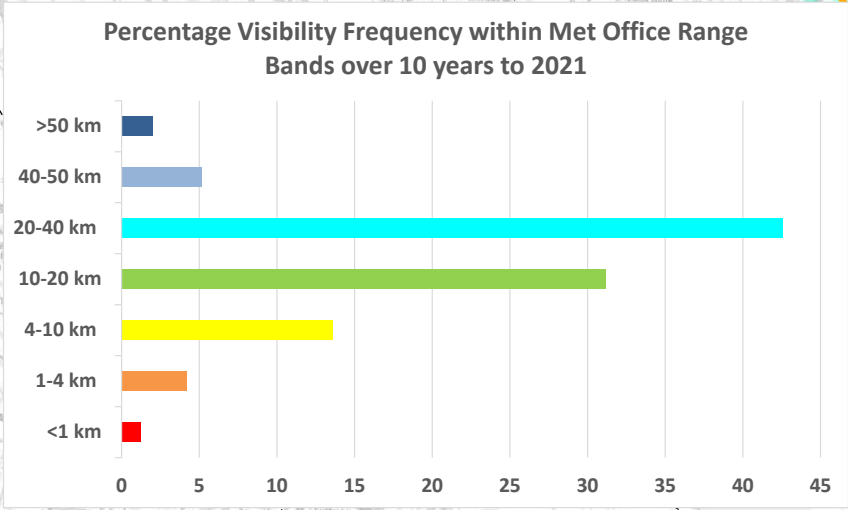
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DTM:	OS T5 and T50 DTM	Surface features:	Excluded
DTM resolution:	10m	Earth curvature:	Included



Platform Ht:	59.2m LAT	Observer height:	2m
DTM:	OS T5 and T50 DTM	Surface features:	Excluded
DTM resolution:	10m	Earth curvature:	Included

- Viewpoints:
1. Spurn Head, near the Yorkshire Wildlife Trust Discovery Centre
 2. Donna Nook
 3. Saltfleetby-Theddlethorpe Dunes
 4. Mablethorpe
 5. Chapel Six Marshes
 6. Lincolnshire Wolds between Rigsby and Haugh
 7. Wells-next-to-the-Sea Beach
 8. Cley Beach
 11. Ferry Route Corridor (South West of Site)



Legend

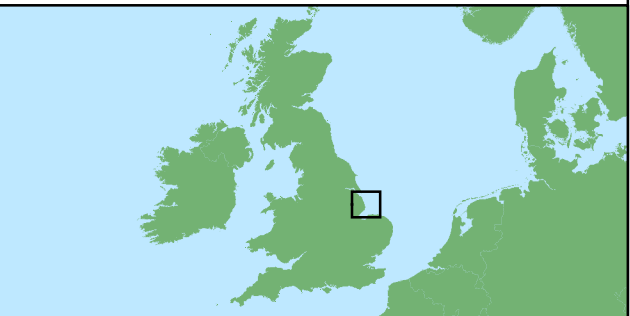
- Indicative Layout
- Offshore Reactive Compensation Platform (ORCP)
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- Offshore Reactive Compensation Platform (ORCP) Area
- Offshore Restricted Build Area
- 10km Radii
- Offshore Reactive Compensation Platform (ORCP) Study Area

Cumulative Wind Farm Status:

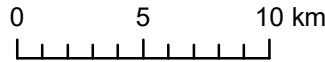
- Operational

Met Office Visibility Range

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- 4 - 10km Moderate Visibility
- 10 - 20km Good Visibility
- 20 - 40km Very Good Visibility
- 40 - 50km Excellent Visibility
- > 50km Excellent Visibility



Coordinate System: WGS 1984 UTM Zone 31N



Scale: 1:300,000

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Offshore Reactive Compensation Platforms (ORCPs) ZTV with Visibility Range

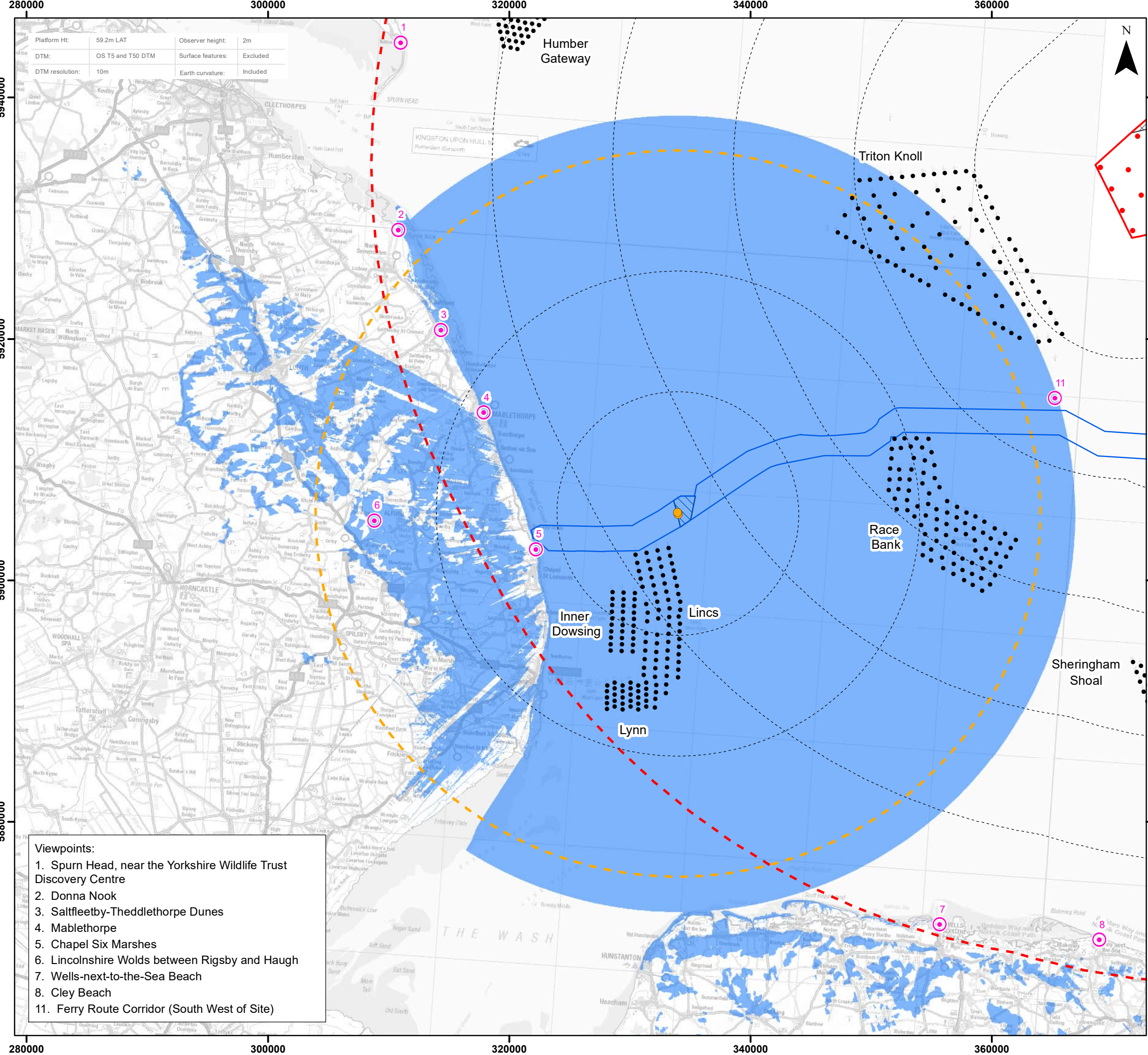
Figure 17.13b



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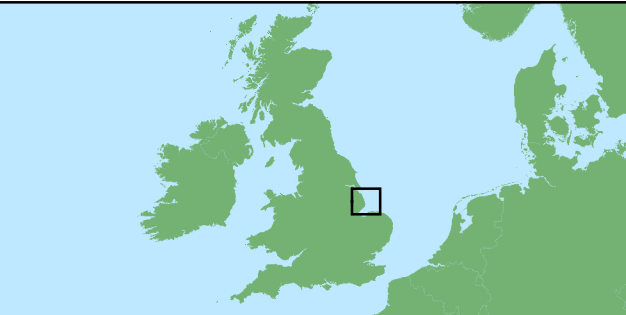
Contains ESRI Basemapping;



- Viewpoints:
1. Spurn Head, near the Yorkshire Wildlife Trust Discovery Centre
 2. Donna Nook
 3. Saltfleetby-Theddlethorpe Dunes
 4. Mablethorpe
 5. Chapel Six Marshes
 6. Lincolnshire Wolds between Rigsby and Haugh
 7. Wells-next-to-the-Sea Beach
 8. Cley Beach
 11. Ferry Route Corridor (South West of Site)

Legend

- Indicative Layout
- Offshore Reactive Compensation Platform (ORCP)
- Viewpoints
- Array Area
- Offshore Export Cable Corridor (ECC)
- Offshore Reactive Compensation Platform (ORCP) Area
- Offshore Restricted Build Area
- 10km Radii
- 60km Study Area
- Offshore Reactive Compensation Platform (ORCP) Study Area
- Cumulative Wind Farm Status:
 - Operational
- ORCPs ZTV
 - ORCPs No Theoretical Visibility
 - ORCPs Theoretically Visible



Coordinate System: WGS 1984 UTM Zone 31N

0 5 10 km

Scale: 1:300,000

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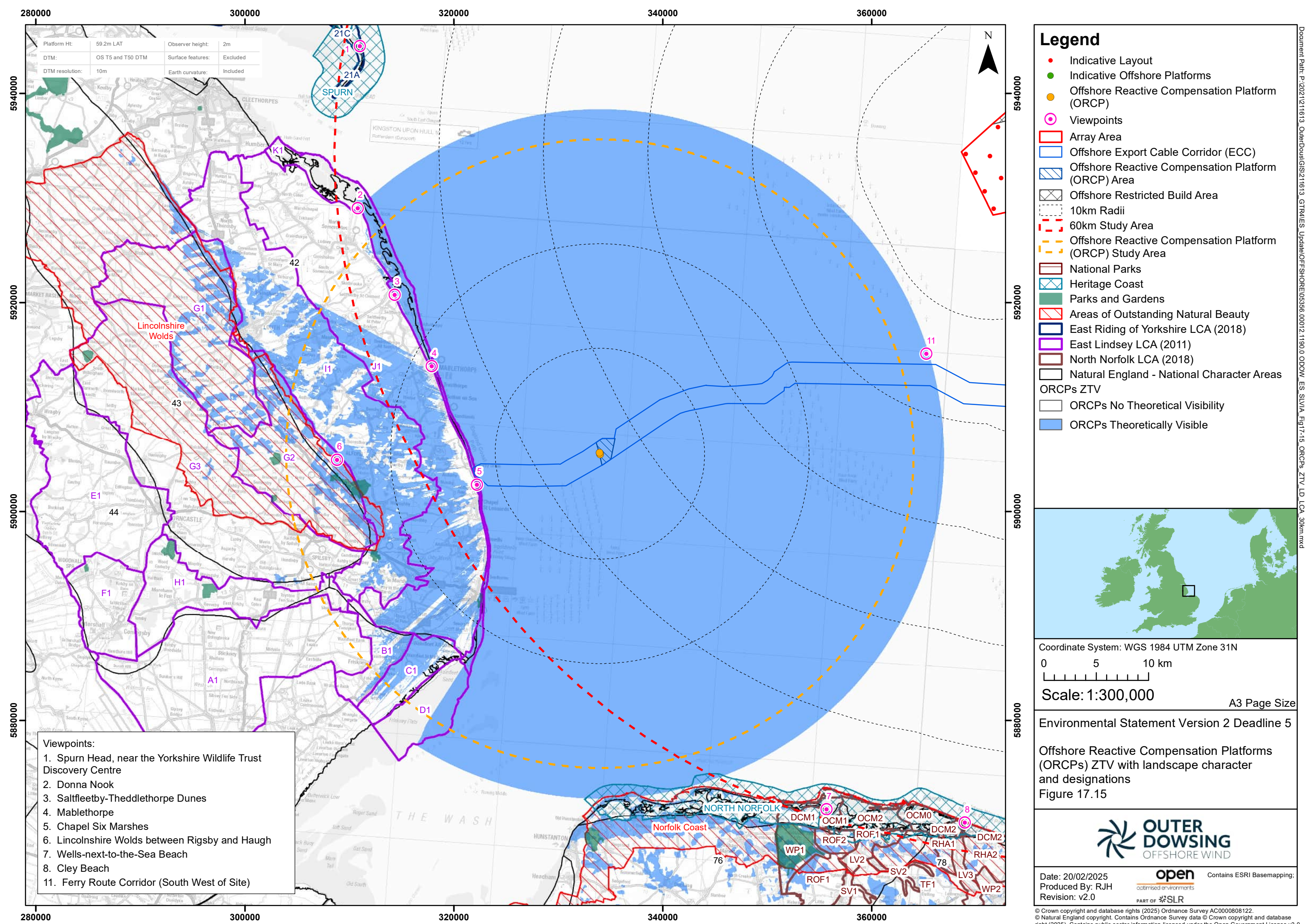
Offshore Reactive Compensation Platforms (ORCPs) ZTV

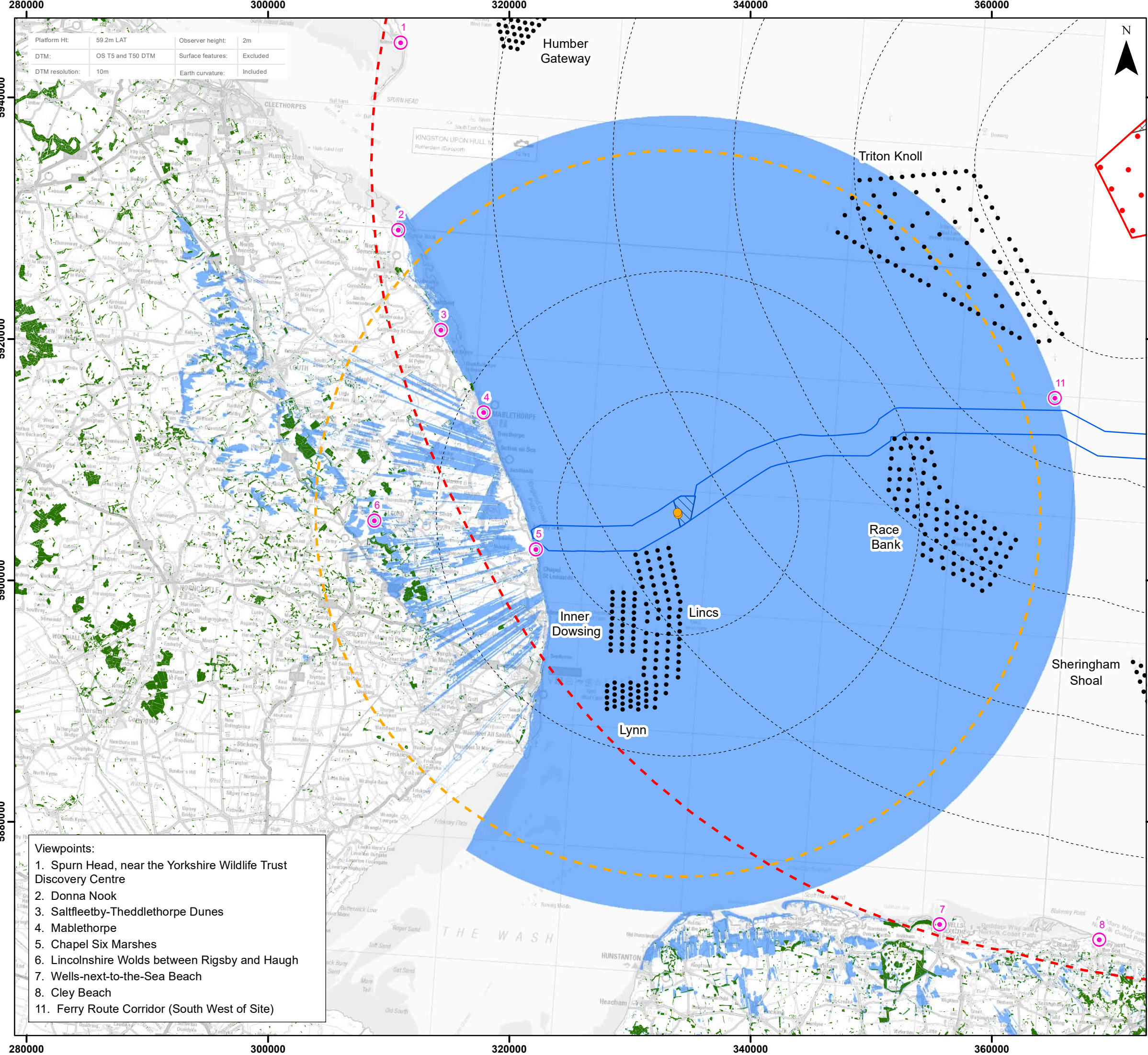
Figure 17.14



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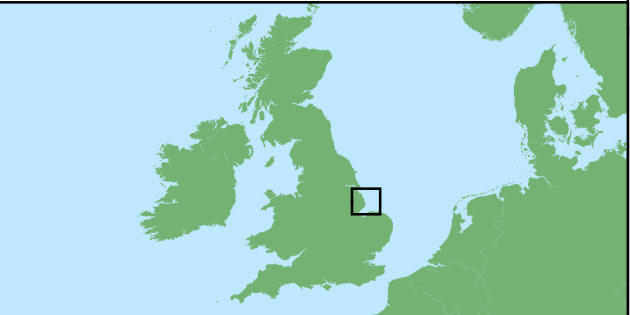




- Viewpoints:
1. Spurn Head, near the Yorkshire Wildlife Trust Discovery Centre
 2. Donna Nook
 3. Saltfleetby-Theddlethorpe Dunes
 4. Mablethorpe
 5. Chapel Six Marshes
 6. Lincolnshire Wolds between Rigsby and Haugh
 7. Wells-next-to-the-Sea Beach
 8. Cley Beach
 11. Ferry Route Corridor (South West of Site)

Legend

- Indicative Layout
- Offshore Reactive Compensation Platform (ORCP)
- Viewpoints
- Array Area
- Offshore Export Cable Corridor (ECC)
- Offshore Reactive Compensation Platform (ORCP) Area
- Offshore Restricted Build Area
- 10km Radii
- 60km Study Area
- Offshore Reactive Compensation Platform (ORCP) Study Area
- Cumulative Wind Farm Status:
 - Operational
- Woodland
- ORCPs Screening ZTV
 - ORCPs No Theoretical Visibility
 - ORCPs Theoretically Visible



Coordinate System: WGS 1984 UTM Zone 31N

0 5 10 km

Scale: 1:300,000

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Offshore Reactive Compensation Platforms (ORCPs) ZTV with Surface Feature Screening

Figure 17.16



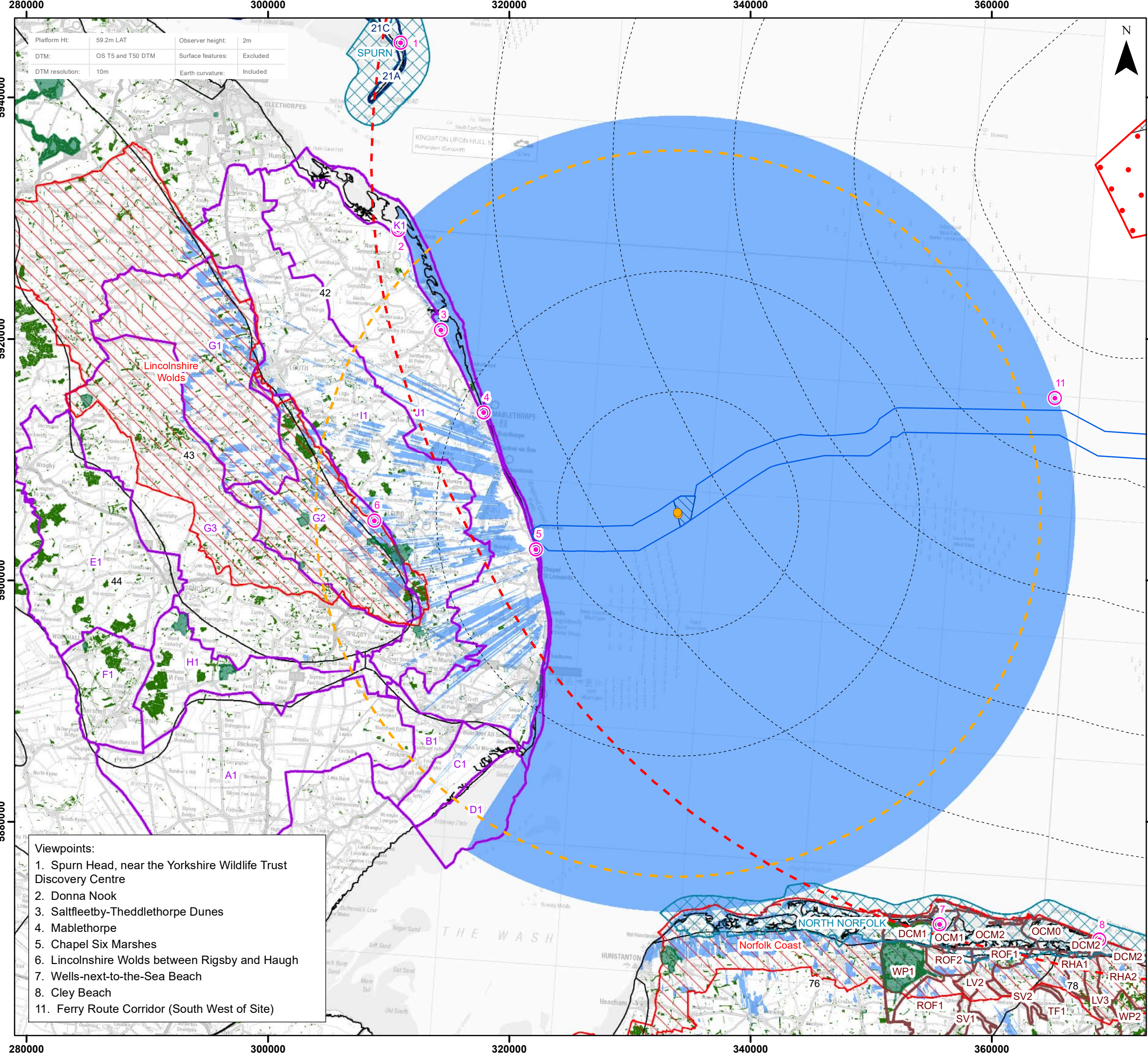
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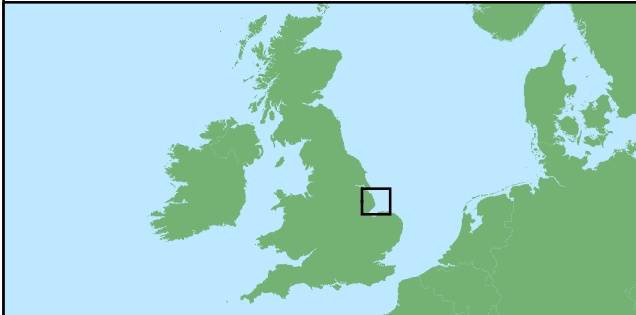
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Platform Ht:	59.2m LAT	Observer height:	2m
DTM:	OS T5 and T50 DTM	Surface features:	Excluded
DTM resolution:	10m	Earth curvature:	Included

- Viewpoints:
1. Spurn Head, near the Yorkshire Wildlife Trust Discovery Centre
 2. Donna Nook
 3. Saltfleetby-Theddlethorpe Dunes
 4. Mablethorpe
 5. Chapel Six Marshes
 6. Lincolnshire Wolds between Rigsby and Haugh
 7. Wells-next-to-the-Sea Beach
 8. Cley Beach
 11. Ferry Route Corridor (South West of Site)

- ### Legend
- Indicative Layout
 - Offshore Reactive Compensation Platform (ORCP)
 - Viewpoints
 - Array Area
 - Offshore Export Cable Corridor (ECC)
 - Offshore Reactive Compensation Platform (ORCP) Area
 - Offshore Restricted Build Area
 - 10km Radii
 - 60km Study Area
 - Offshore Reactive Compensation Platform (ORCP) Study Area
 - National Parks
 - Heritage Coast
 - Parks and Gardens
 - Areas of Outstanding Natural Beauty
 - East Riding of Yorkshire LCA (2018)
 - East Lindsey LCA (2011)
 - North Norfolk LCA (2018)
 - Natural England - National Character Areas
 - Woodland
 - ORCPs Screening ZTV
 - ORCPs No Theoretical Visibility
 - ORCPs Theoretically Visible



Coordinate System: WGS 1984 UTM Zone 31N

0 5 10 km

Scale: 1:300,000

A3 Page Size

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Offshore Reactive Compensation Platforms (ORCPs) ZTV with Surface Feature Screening and landscape character and designations

Figure 17.17



OUTER DOWING
OFFSHORE WIND

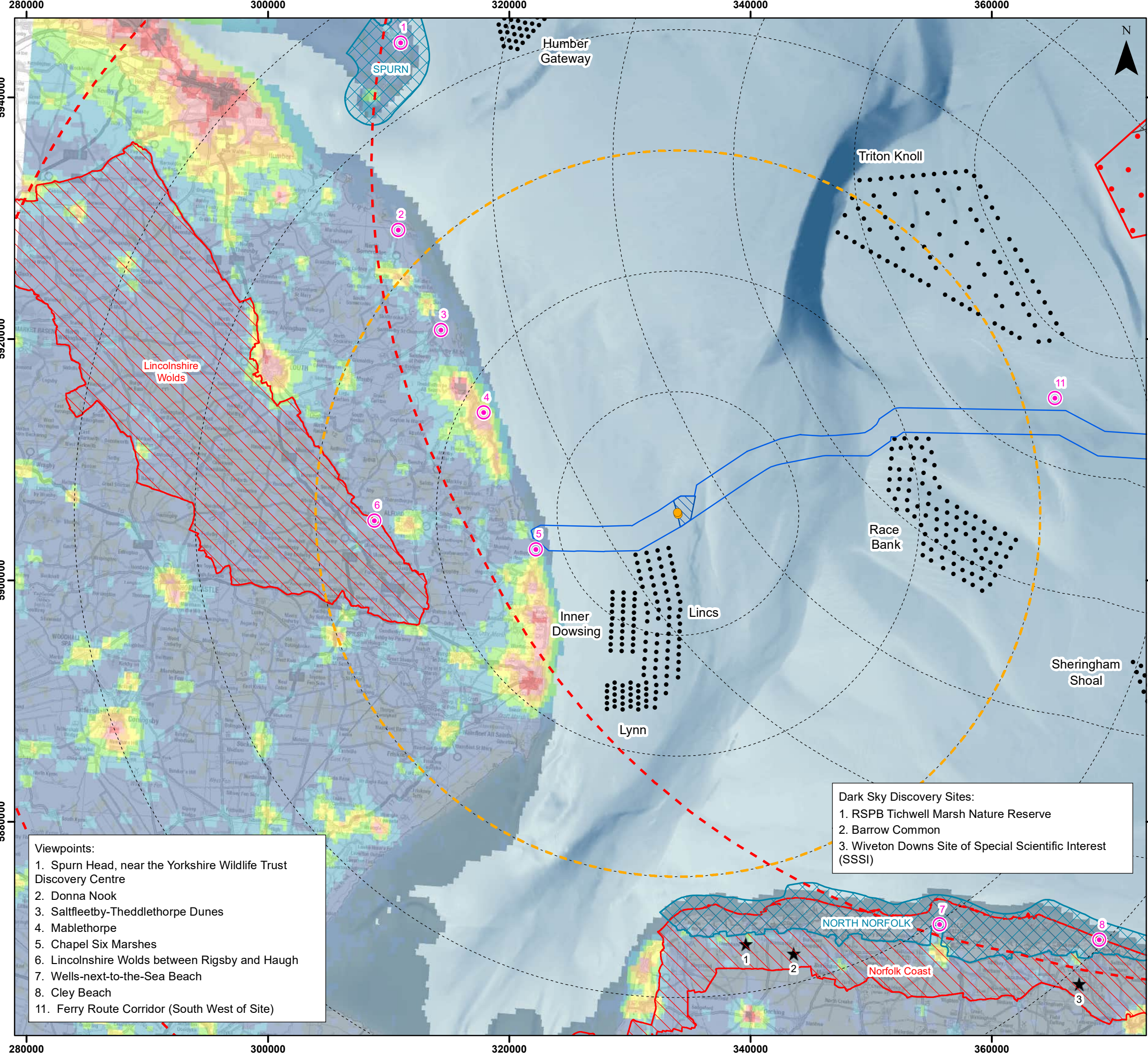
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Legend

- Indicative Layout
- Offshore Reactive Compensation Platform (ORCP)
- Viewpoints
- Array Area
- Offshore Export Cable Corridor (ECC)
- Offshore Reactive Compensation Platform (ORCP) Area
- Offshore Restricted Build Area
- 10km Radii
- 60km Study Area
- Offshore Reactive Compensation Platform (ORCP) Study Area
- Heritage Coast
- Areas of Outstanding Natural Beauty

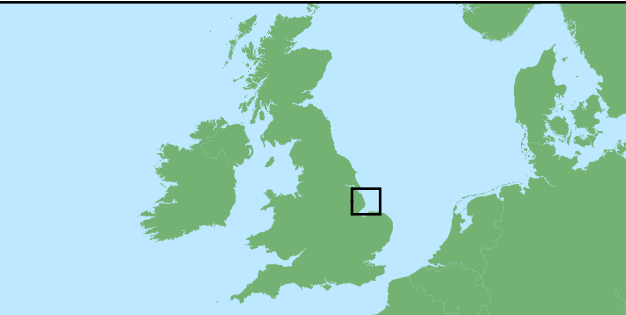
Cumulative Wind Farm Status:

- Operational
- Dark Sky Discovery Site

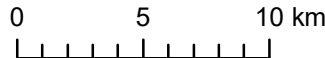
Night Light Pollution

(NanoWatts / cm² / sr)

- >32 (high)
- 16 - 32
- 8 - 16
- 4 - 8
- 2 - 4
- 1 - 2
- 0.5 - 1
- 0.25 - 0.5
- < 0.25 (low)



Coordinate System: WGS 1984 UTM Zone 31N



Scale: 1:300,000

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Baseline Lighting (ORCPs)

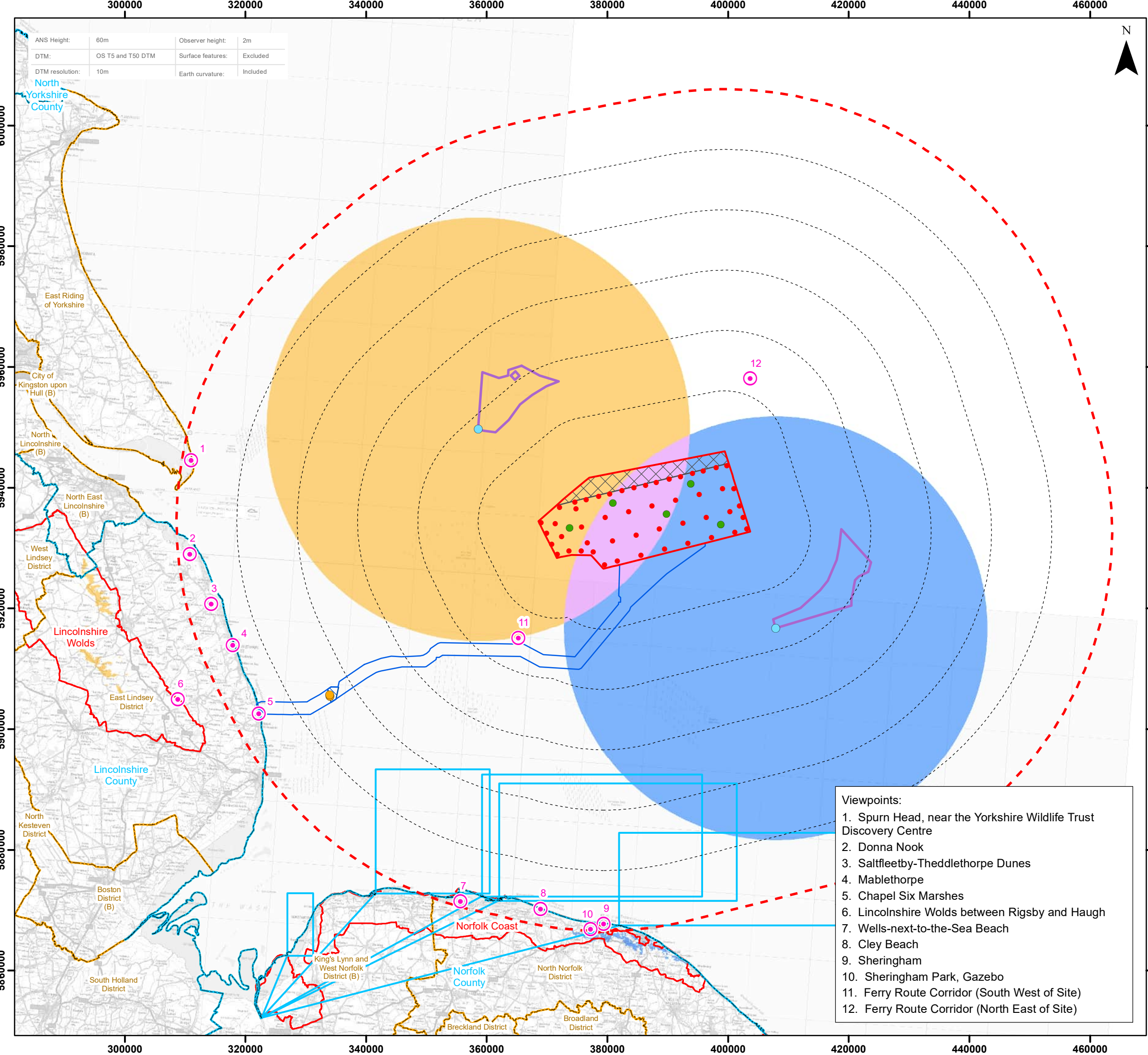
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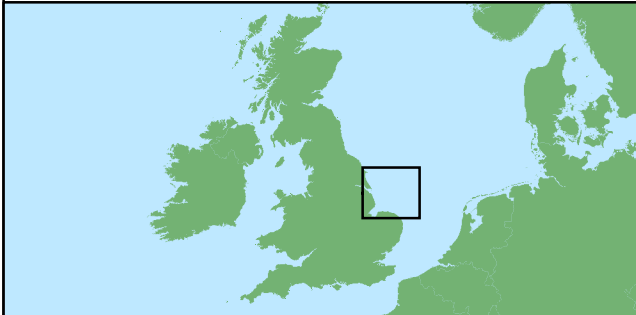


ANS Height:	60m	Observer height:	2m
DTM:	OS T5 and T50 DTM	Surface features:	Excluded
DTM resolution:	10m	Earth curvature:	Included



Legend

- Indicative Layout
- Indicative Offshore Platforms
- Offshore Reactive Compensation Platform (ORCP)
- Indicative Artificial Nesting Structure (ANS)
- Array Area
- Offshore Export Cable Corridor (ECC)
- Offshore Reactive Compensation Platform (ORCP) Area
- Offshore Restricted Build Area
- 10km Radii
- 60km Study Area
- Artificial Nesting Structure (ANS) Area
- County Boundary
- District / Unitary Authority Boundary
- Cumulative Zone of Theoretical Visibility
 - ANS 1 (North) WCS Position Theoretical Visibility
 - ANS 2 (South) WCS Position Theoretical Visibility
 - Combined ANS WCS Theoretical Visibility



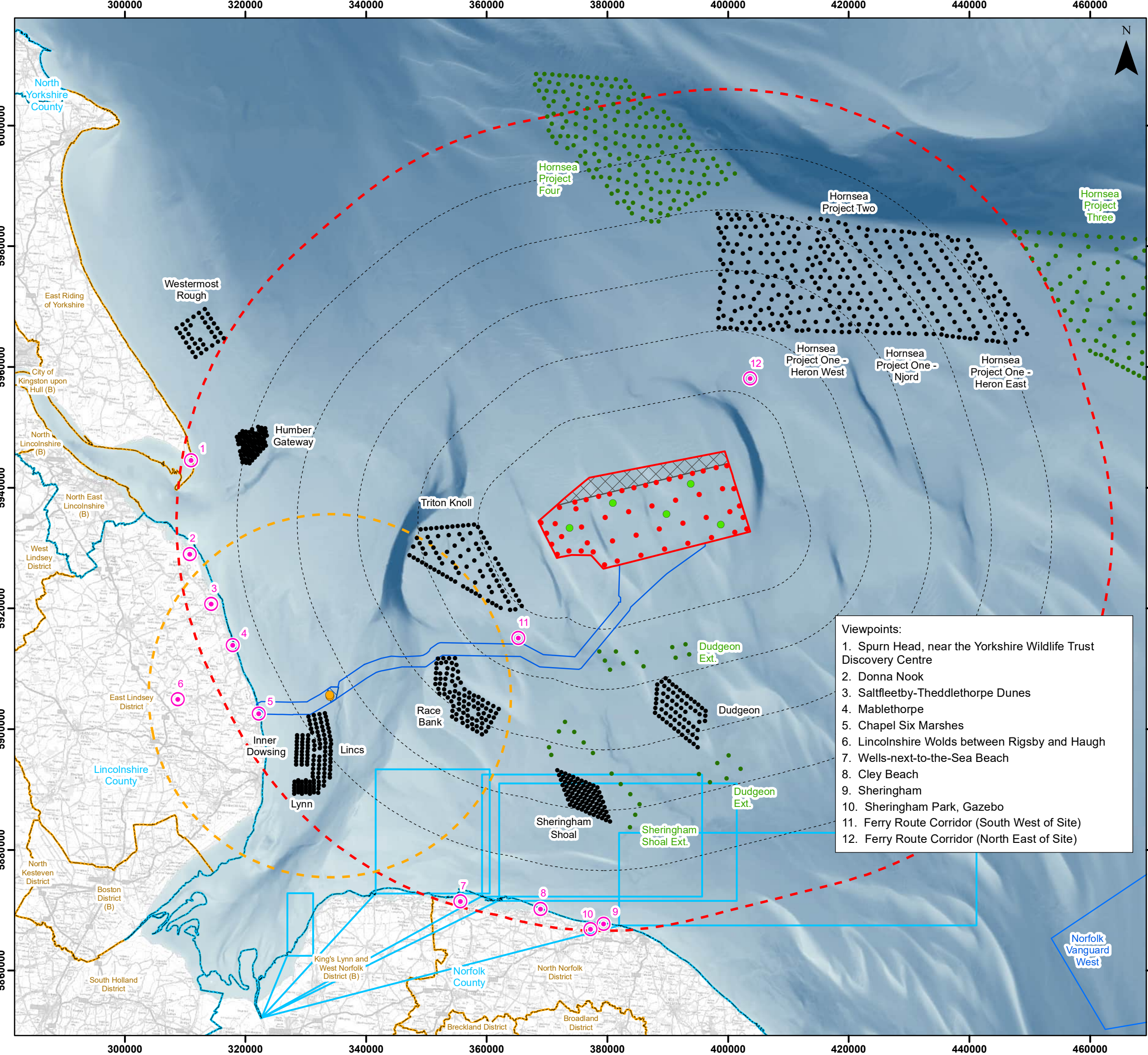
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Artificial Nesting Structure Search Area ZTV (WCS Position North and South) (A3)
Figure 17.20

- Viewpoints:
1. Spurn Head, near the Yorkshire Wildlife Trust Discovery Centre
 2. Donna Nook
 3. Saltfleetby-Theddlethorpe Dunes
 4. Mablethorpe
 5. Chapel Six Marshes
 6. Lincolnshire Wolds between Rigsby and Haugh
 7. Wells-next-to-the-Sea Beach
 8. Cley Beach
 9. Sheringham
 10. Sheringham Park, Gazebo
 11. Ferry Route Corridor (South West of Site)
 12. Ferry Route Corridor (North East of Site)



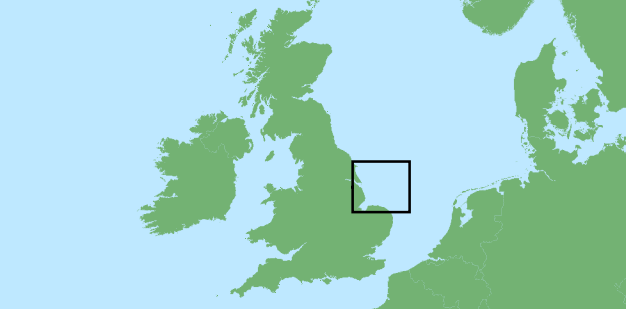
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Legend

- Indicative Layout
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- Offshore Reactive Compensation Platform (ORCP) Area
- Offshore Restricted Build Area
- 10km Radii
- 60km Study Area
- Offshore Reactive Compensation Platform (ORCP) Study Area
- Cumulative Wind Farm Status:
 - Operational
 - Consented
- Appeal/Application*
- County Boundary
- District / Unitary Authority Boundary
- EMODnet DTM for European Sea Regions (m)
High : 4.23
Low : -98.28

*No indicative layout available



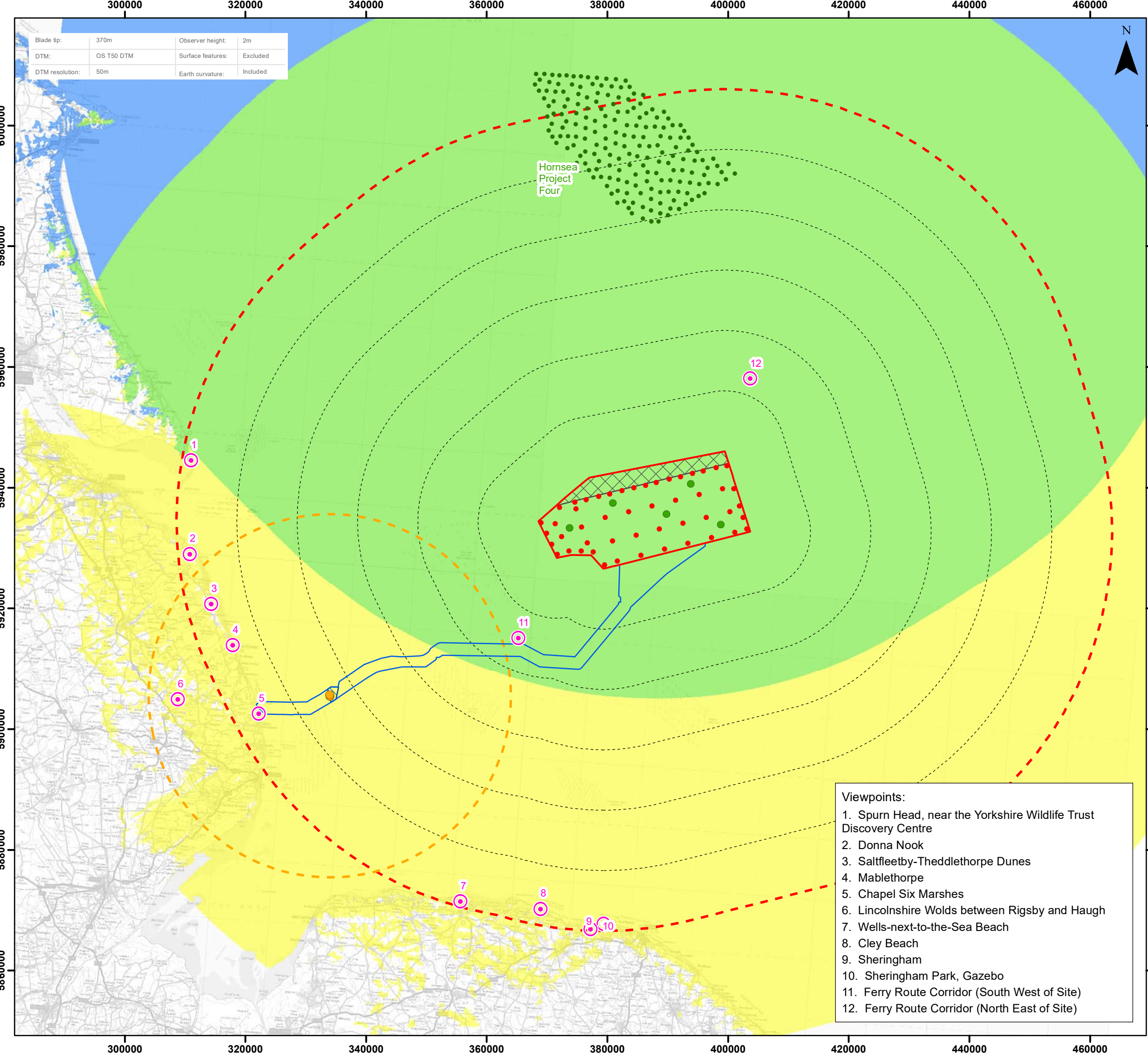
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Environmental Statement
Cumulative Projects
Figure 17.21



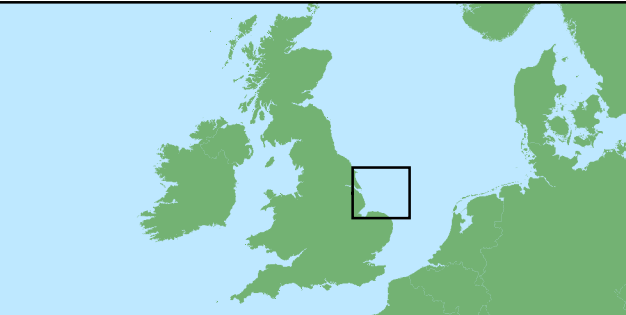
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Legend

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- Offshore Restricted Build Area
- 10km Radii
- 60km Study Area
- Offshore Reactive Compensation Platform (ORCP) Study Area
- Cumulative Wind Farm Status:
 - Consented
- Cumulative Zone of Theoretical Visibility
 - Outer Dowsing Theoretical Visibility
 - Hornsea 4 Theoretical Visibility
 - Combined Theoretical Visibility



Coordinate System: WGS 1984 UTM Zone 31N

0 5 10 15 20 km

Scale: 1:600,000

A3 Page Size

Environmental Statement Version 2 Deadline 5

Cumulative ZTV - Hornsea Project Four

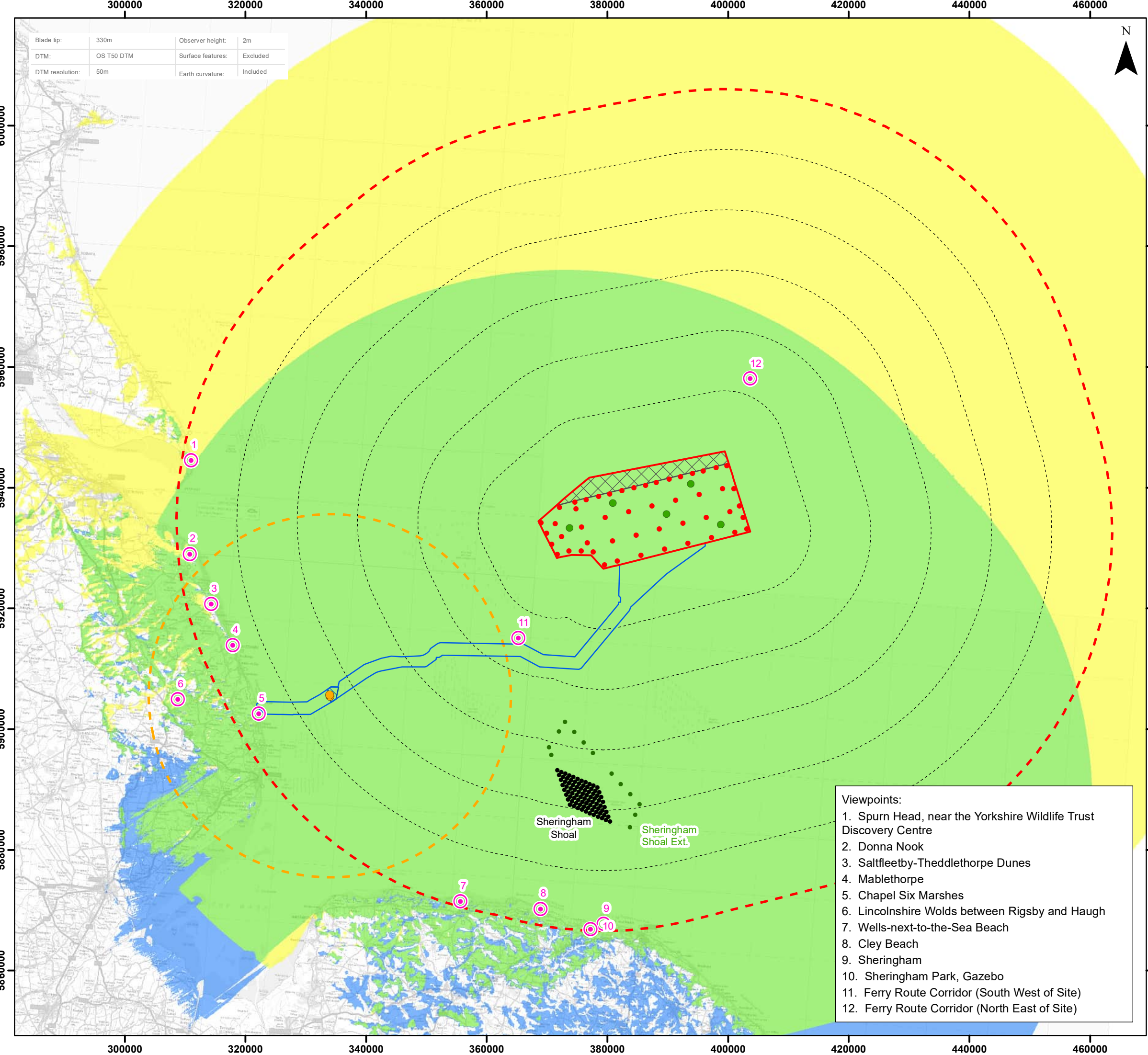
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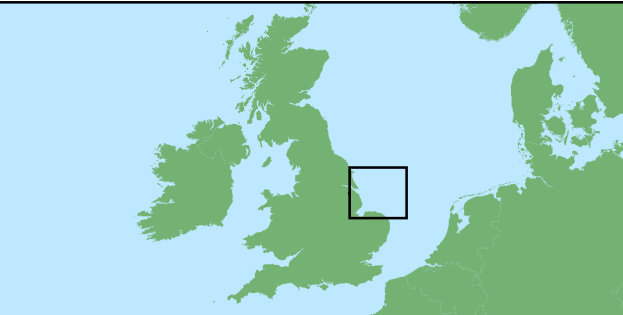


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DTM:	OS T50 DTM	Surface features:	Excluded
DTM resolution:	50m	Earth curvature:	Included

Legend

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 - Consented
- Cumulative Zone of Theoretical Visibility
 - Outer Dowsing Theoretical Visibility
 - Sheringham Shoal Ext Theoretical Visibility
 - Combined Theoretical Visibility

- Viewpoints:
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 12. Ferry Route Corridor (North East of Site)



Coordinate System: WGS 1984 UTM Zone 31N
0 5 10 15 20 km
Scale: 1:600,000
A3 Page Size

Environmental Statement Version 2 Deadline 5

Cumulative ZTV - Sheringham Shoal Extension

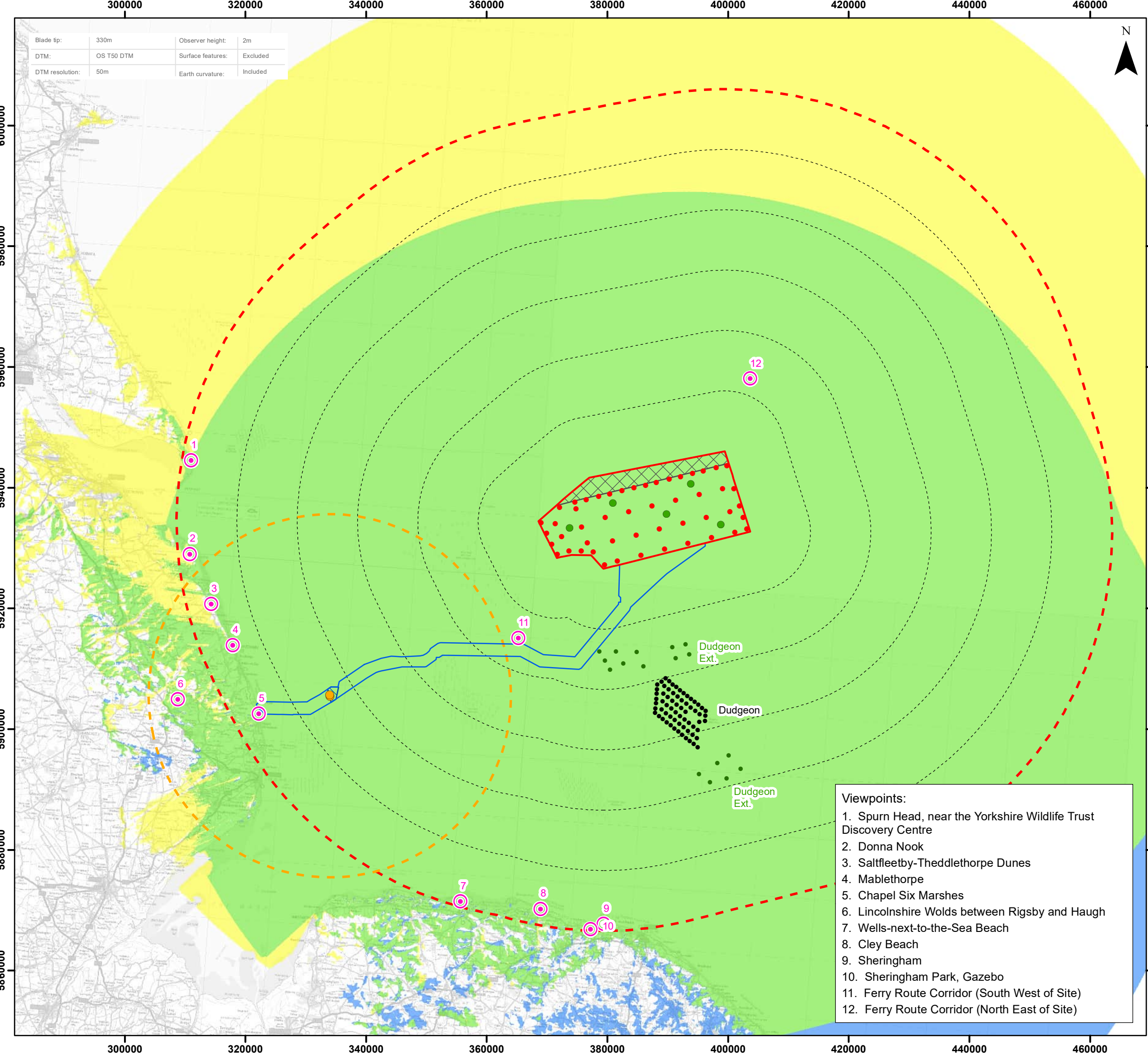
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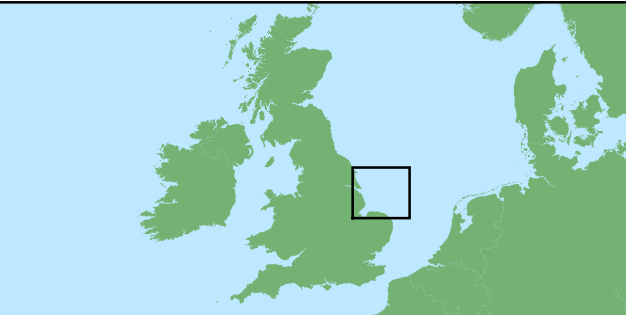
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DTM:	OS T50 DTM	Surface features:	Excluded
DTM resolution:	50m	Earth curvature:	Included

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- Offshore Reactive Compensation Platform (ORCP) Study Area

Cumulative Wind Farm Status:

- Operational
- Consented
- Cumulative Zone of Theoretical Visibility
- Outer Dowsing Theoretical Visibility
- Dudgeon Ext Theoretical Visibility
- Combined Theoretical Visibility



Coordinate System: WGS 1984 UTM Zone 31N

0 5 10 15 20 km

Scale: 1:600,000

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Cumulative ZTV - Dudgeon Extension

Figure 17.24



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6. Lincolnshire Wolds between Rigsby and Haugh
7. Wells-next-to-the-Sea Beach
8. Cley Beach
9. Sheringham
10. Sheringham Park, Gazebo
11. Ferry Route Corridor (South West of Site)
12. Ferry Route Corridor (North East of Site)