

Outer Dowsing Offshore Wind

Environmental Statement

Chapter 17 Seascape, Landscape and Visual

Volume 2 Figures

Part 1 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	

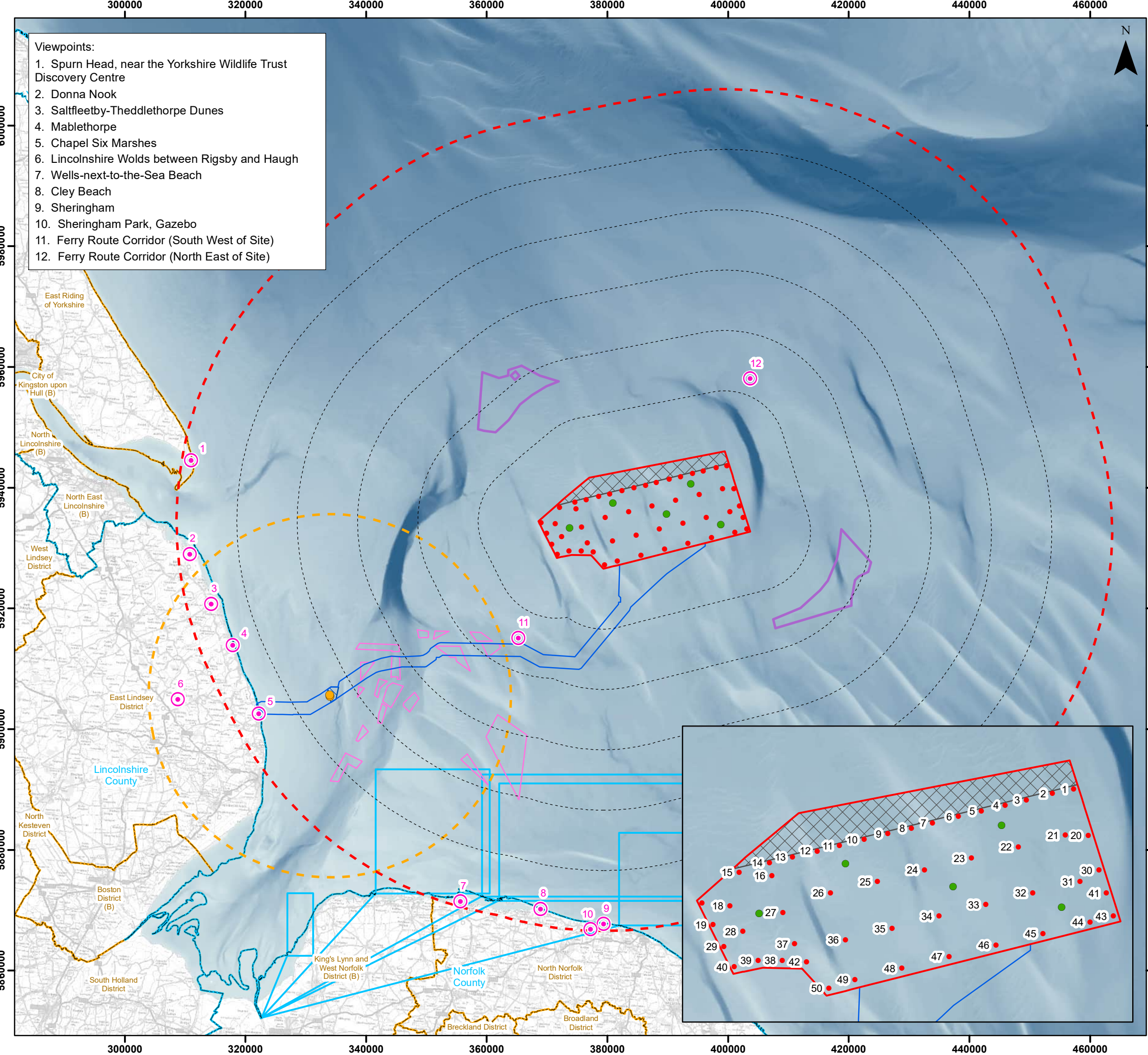
Change Log

- 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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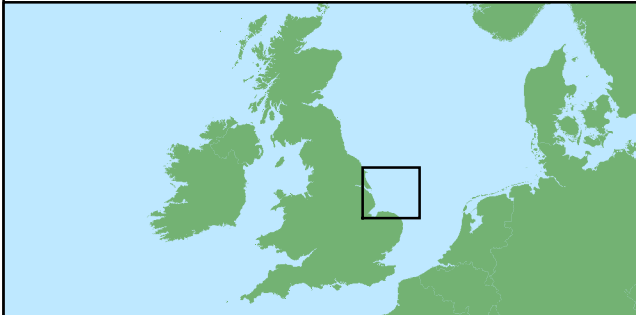


- Viewpoints:
1. Spurn Head, near the Yorkshire Wildlife Trust Discovery Centre
 2. Donna Nook
 3. Saltfleetby-Theddlethorpe Dunes
 4. Mablethorpe
 5. Chapel Six Marshes
 6. Lincolnshire Wolds between Rigsby and Haugh
 7. Wells-next-to-the-Sea Beach
 8. Cley Beach
 9. Sheringham
 10. Sheringham Park,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

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
- Artificial Nesting Structure (ANS) Area
- Biogenic Reef Restoration Area
- County Boundary
- District / Unitary Authority Boundary

EMODnet DTM for European Sea Regions (m)
High : 4.23
Low : -98.28



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
SLVIA Project Design Envelope
- Maximum Design Scenario
Figure 17.1



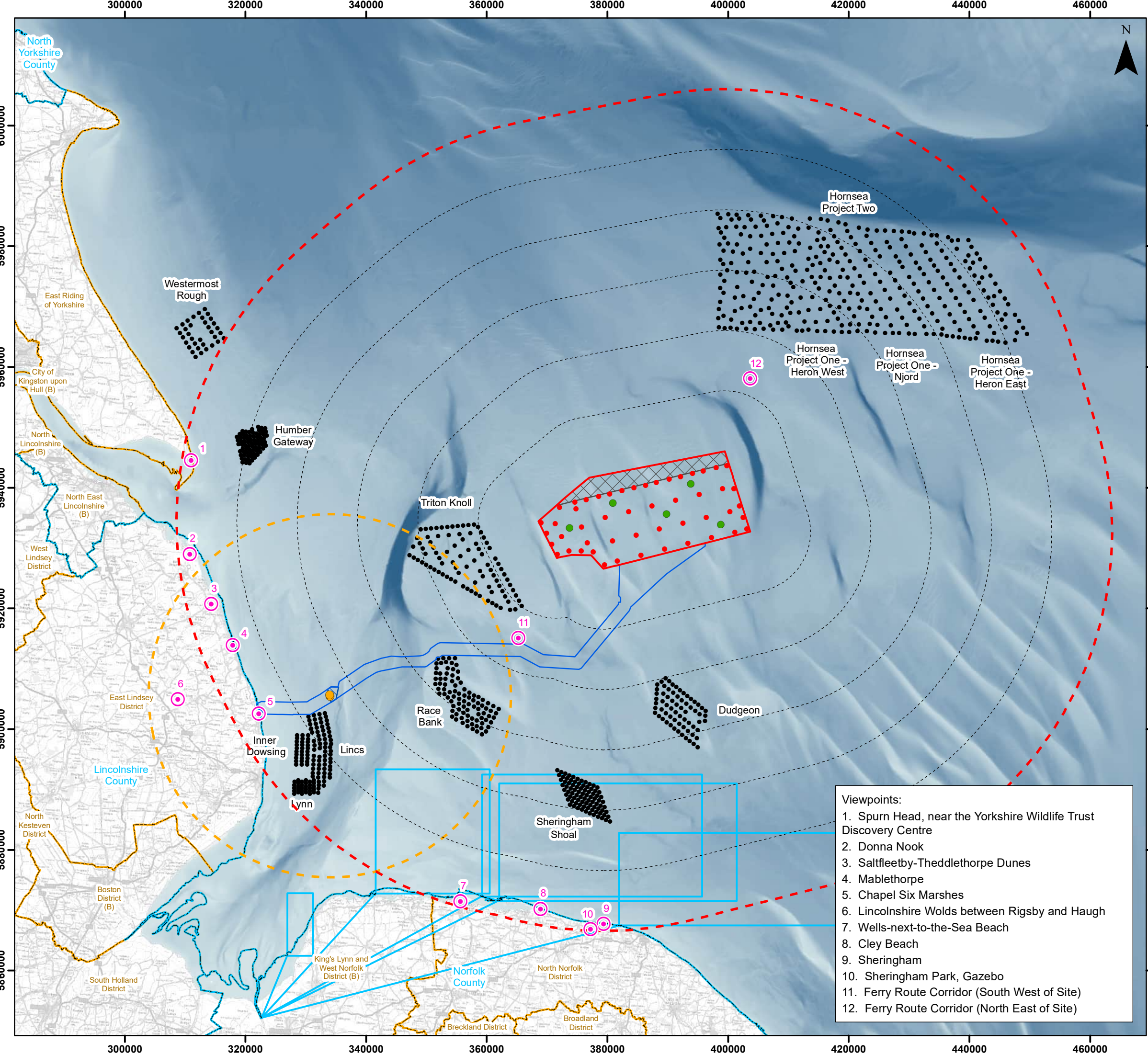
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OFFSHORE WIND



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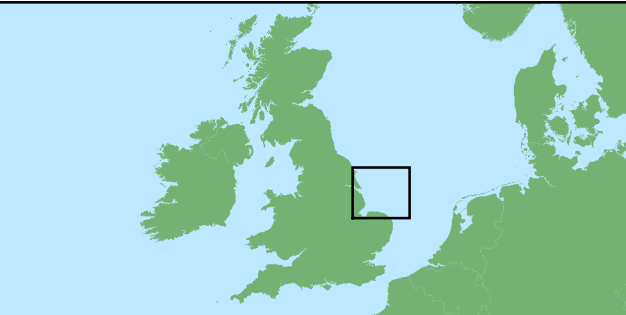
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Legend

- 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
- EMODnet DTM for European Sea Regions (m)
High : 4.23
Low : -98.28



Coordinate System: WGS 1984 UTM Zone 31N
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Scale: 1:600,000
A3 Page Size

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SLVIA Study Area

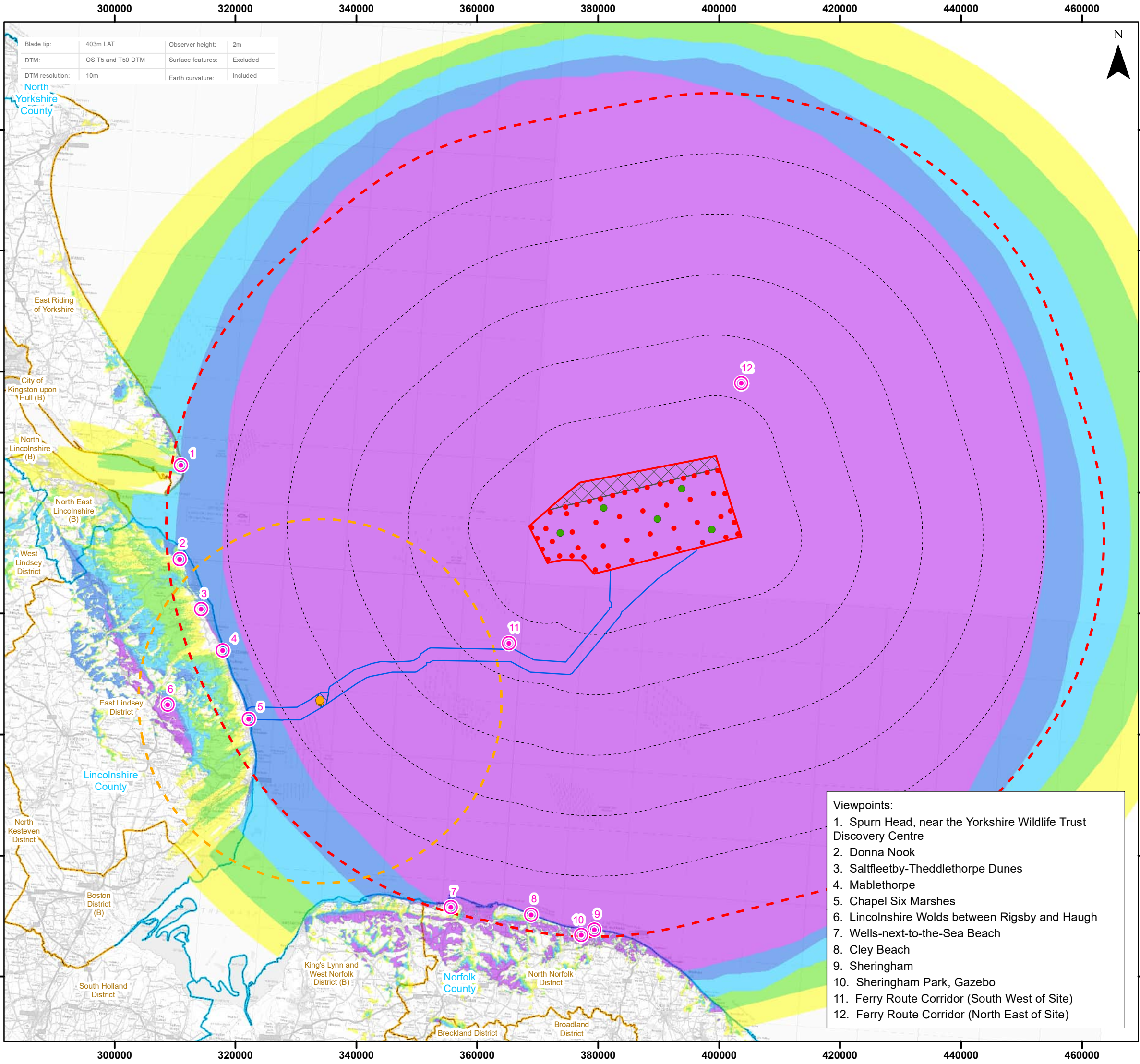
Figure 17.2



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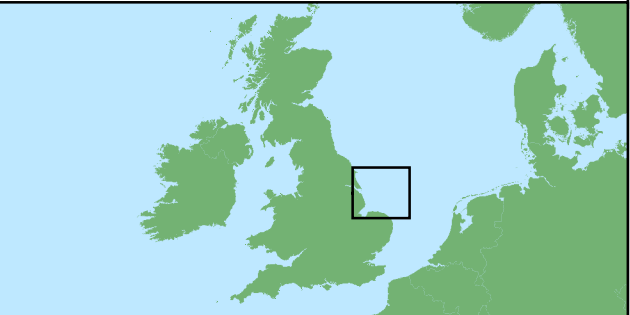
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 9. Sheringham
 10. Sheringham Park, Gazebo
 11. Ferry Route Corridor (South West of Site)
 12. Ferry Route Corridor (North East of Site)



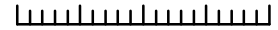
Legend

- 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
- Blade Tip ZTV
- No of Blade Tips Theoretically Visible
- 1 - 10
- 11 - 20
- 21 - 30
- 31 - 40
- 41 - 50



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

Array Area Blade Tip ZTV
(Maximum Height) (A3)

Figure 17.3

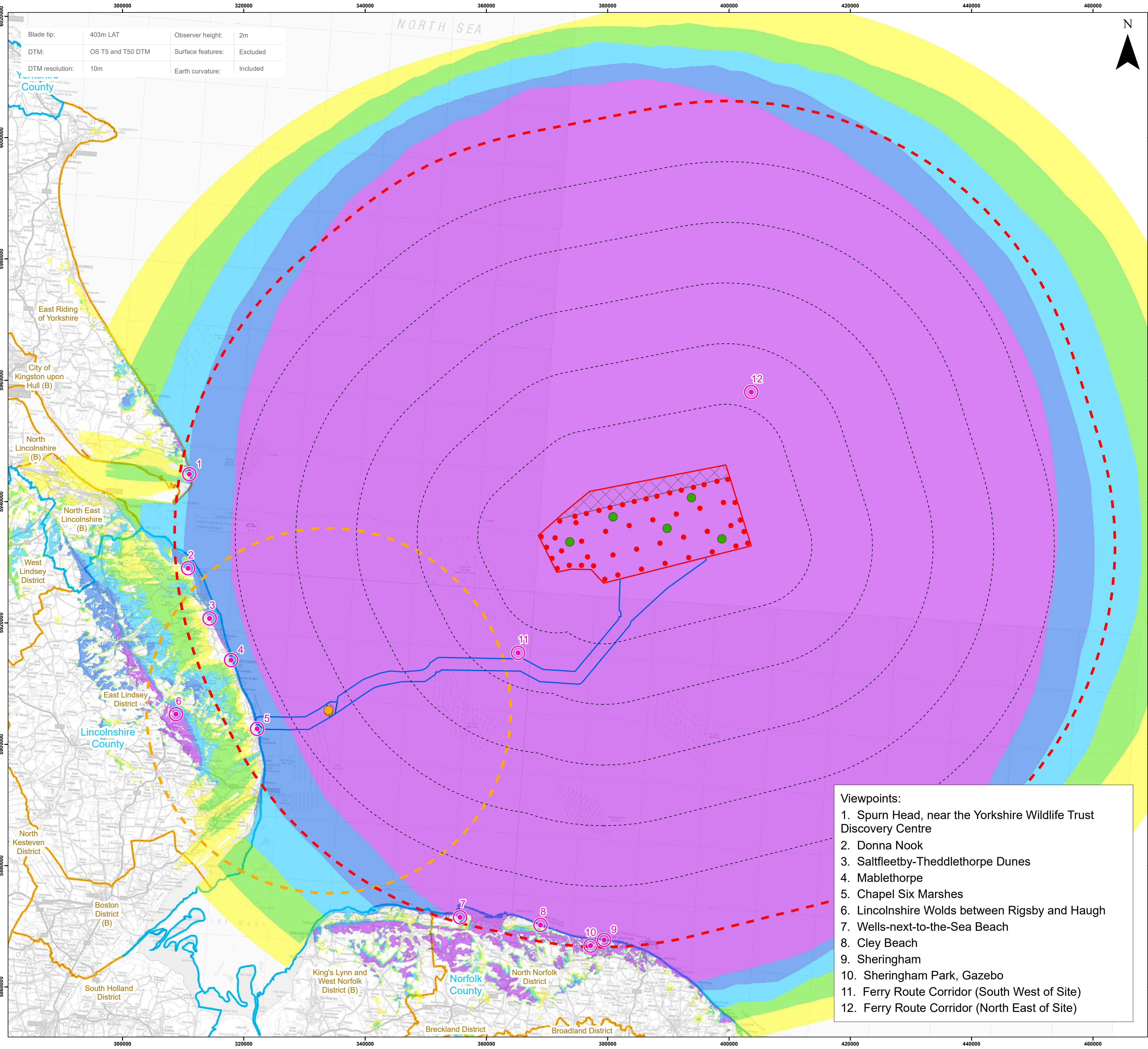


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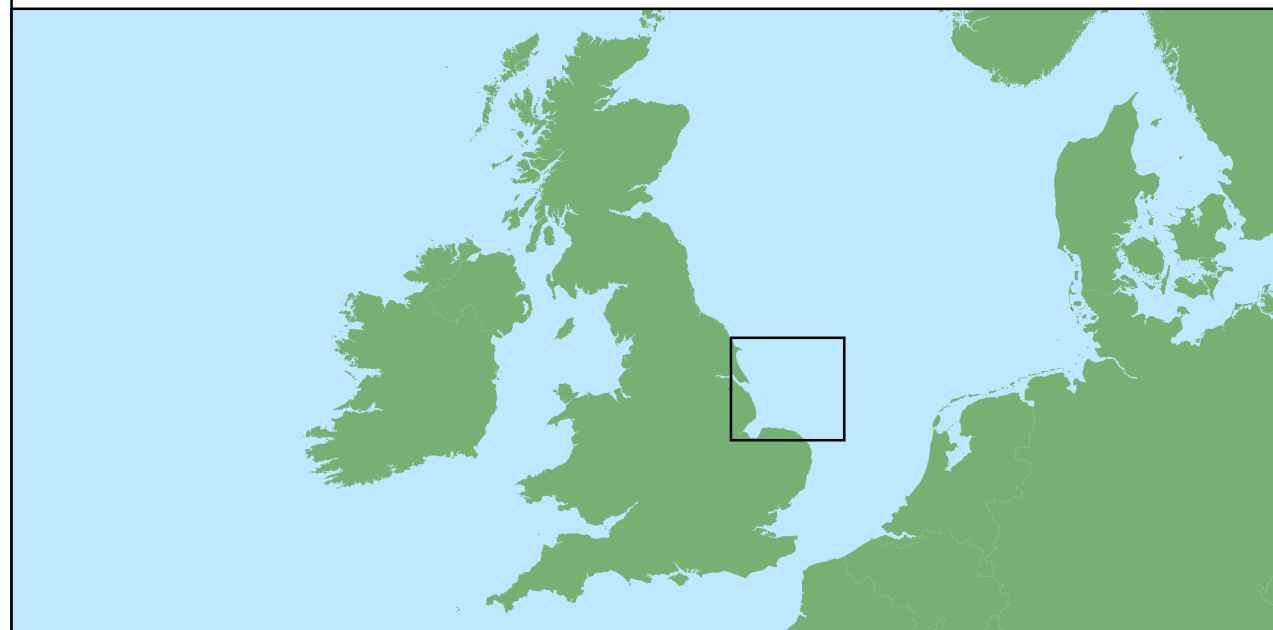
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Legend

- Indicative Layout
- Indicative Offshore Platforms
- Offshore Reactive Compensation Platform (ORCP)
- Viewpoints
- Array Area
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 - 31 - 40
 - 41 - 50



Coordinate System: WGS 1984 UTM Zone 31N

0 20 40 km

Scale: 1:300,000

A1 Page Size

Environmental Statement Version 2 Deadline 5

Array Area Blade Tip ZTV
(Maximum Height) (A1)

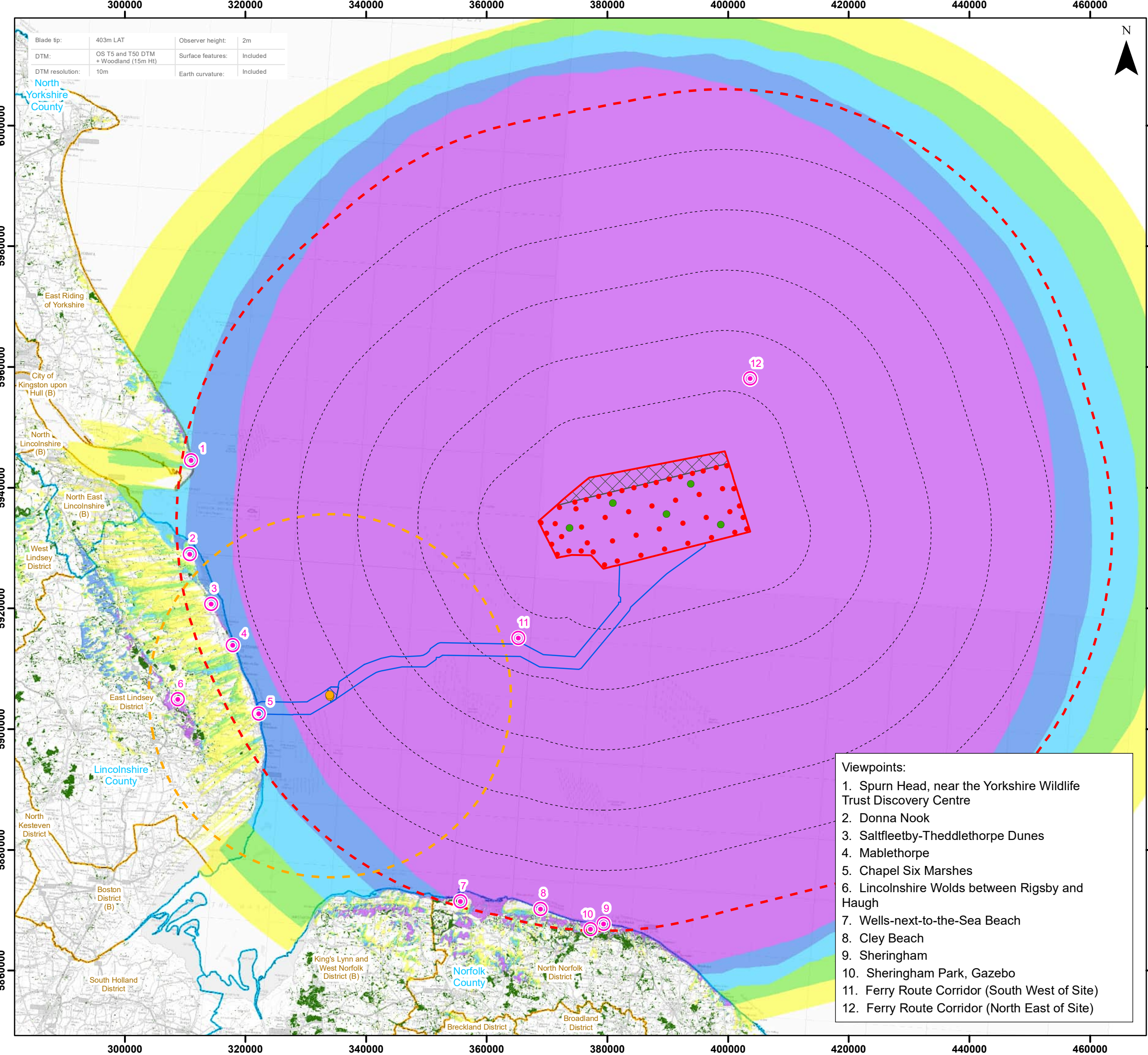
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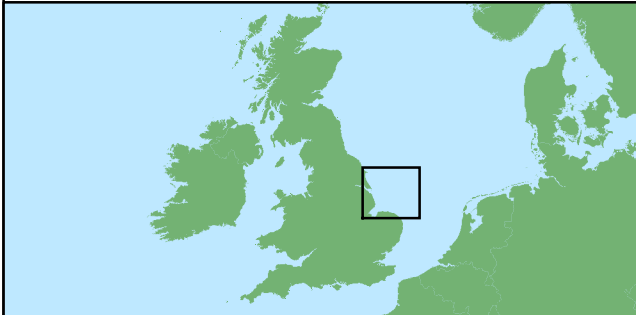
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Blade tip:	403m LAT	Observer height:	2m
DTM:	OS T5 and T50 DTM + Woodland (15m Ht)	Surface features:	Included
DTM resolution:	10m	Earth curvature:	Included

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
 - Woodland
- Screening Blade Tip ZTV
- No of Blade Tips Theoretically Visible
- 1 - 10
 - 11 - 20
 - 21 - 30
 - 31 - 40
 - 41 - 50



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

Array Area Blade Tip ZTV
with Surface Feature Screening (A3)

Figure 17.5

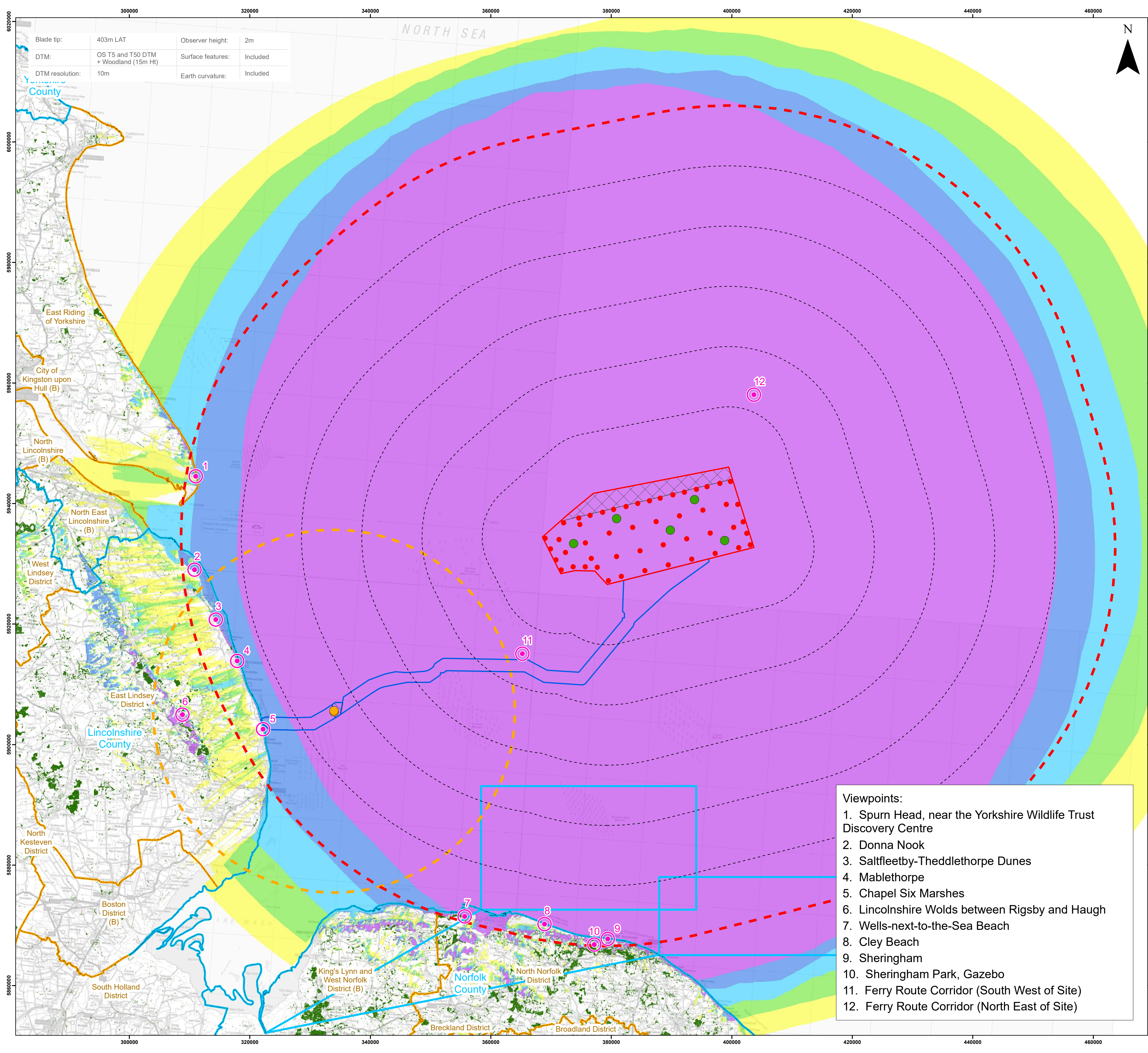


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- Viewpoints:
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 2. Donna Nook
 3. Saltfleetby-Theddlethorpe Dunes
 4. Mablethorpe
 5. Chapel Six Marshes
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 7. Wells-next-to-the-Sea Beach
 8. Cley Beach
 9. Sheringham
 10. Sheringham Park, Gazebo
 11. Ferry Route Corridor (South West of Site)
 12. Ferry Route Corridor (North East of Site)



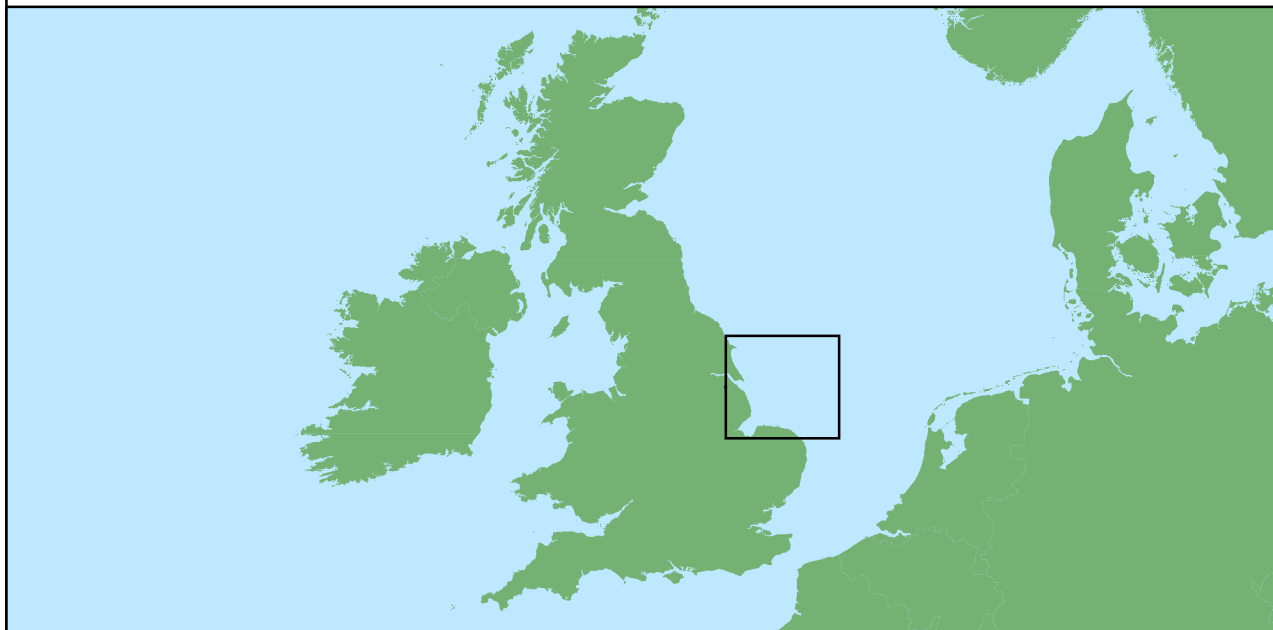
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DTM:	OS T5 and T50 DTM + Woodland (15m Ht)	Surface features:	Included
DTM resolution:	10m	Earth curvature:	Included



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
 - Woodland
- Screening Blade Tip ZTV
- No of Blade Tips Theoretically Visible
- 1 - 10
 - 11 - 20
 - 21 - 30
 - 31 - 40
 - 41 - 50

- Viewpoints:
1. Spurn Head, near the Yorkshire Wildlife Trust Discovery Centre
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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)



Coordinate System: WGS 1984 UTM Zone 31N

0 20 40 km

Scale: 1:300,000

A1 Page Size

Environmental Statement Version 2 Deadline 5

Array Area Blade Tip ZTV with Surface Feature Screening (A1)

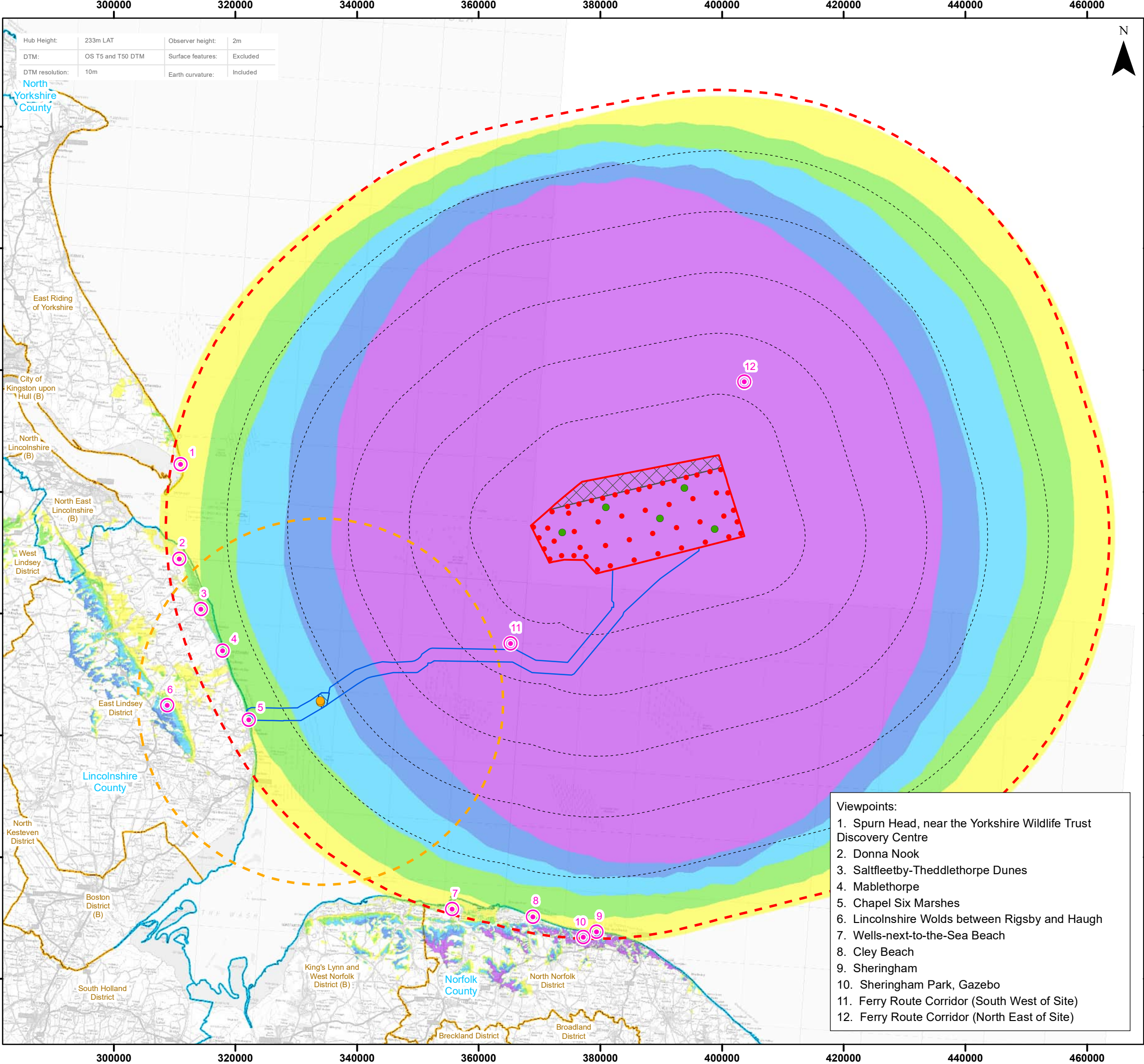
Figure 17.6



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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
- Hub Height ZTV
- No of Hubs Theoretically Visible
 - 1 - 10
 - 11 - 20
 - 21 - 30
 - 31 - 40
 - 41 - 50



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

Array Area Hub Height ZTV
(Maximum Hub Height) (A3)

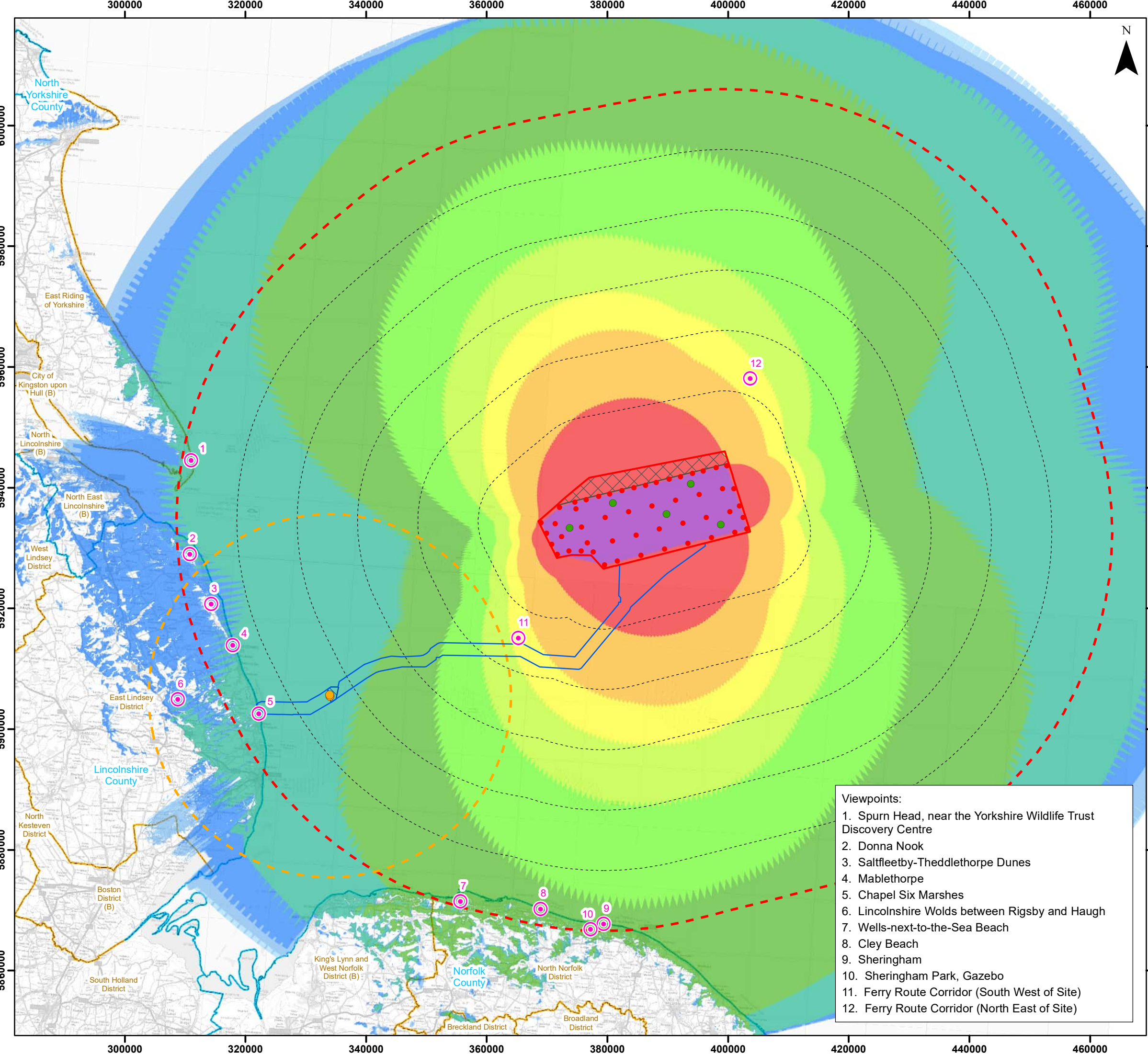
Figure 17.7



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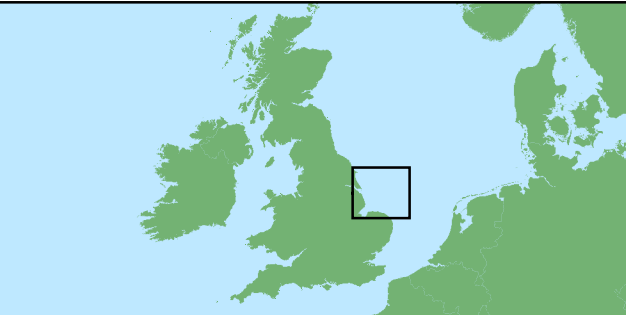
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Legend

- 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
- HZTV (Angle in Degrees)
 - 0
 - 0 - 1
 - 1 - 5
 - 5 - 10
 - 10 - 20
 - 20 - 30
 - 30 - 40
 - 40 - 50
 - 50 - 60
 - 60 - 90
 - 90 - 180
 - 180 - 360



- Viewpoints:
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Coordinate System: WGS 1984 UTM Zone 31N

0 5 10 15 20 km

Scale: 1:600,000

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Array Area Horizontal Angle ZTV (Maximum Height) (A3)

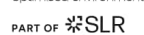
Figure 17.8

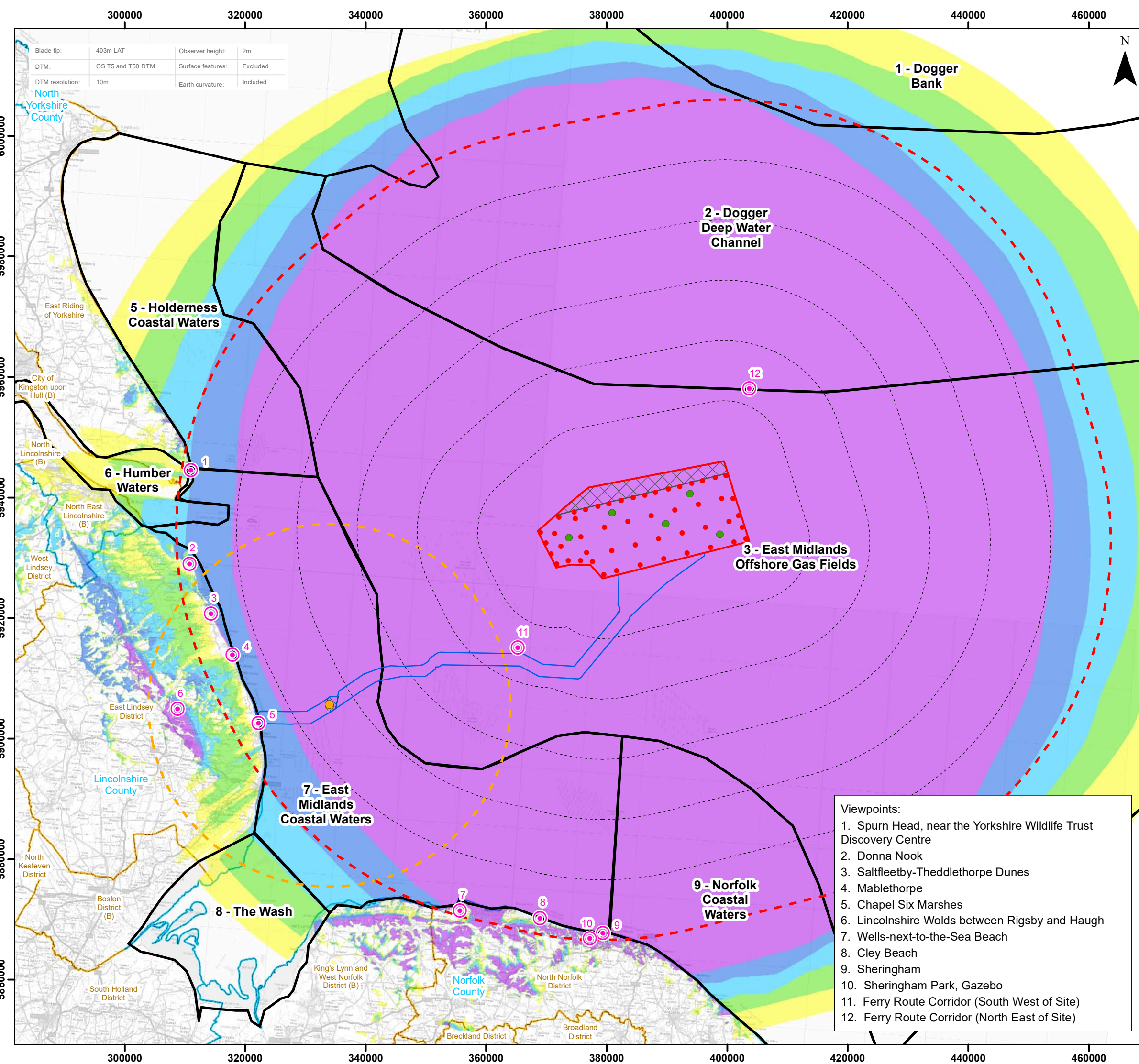


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Legend

- 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
- Seascape Character Area

Blade Tip ZTV
No of Blade Tips Theoretically Visible

1 - 10	11 - 20	21 - 30	31 - 40	41 - 50
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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

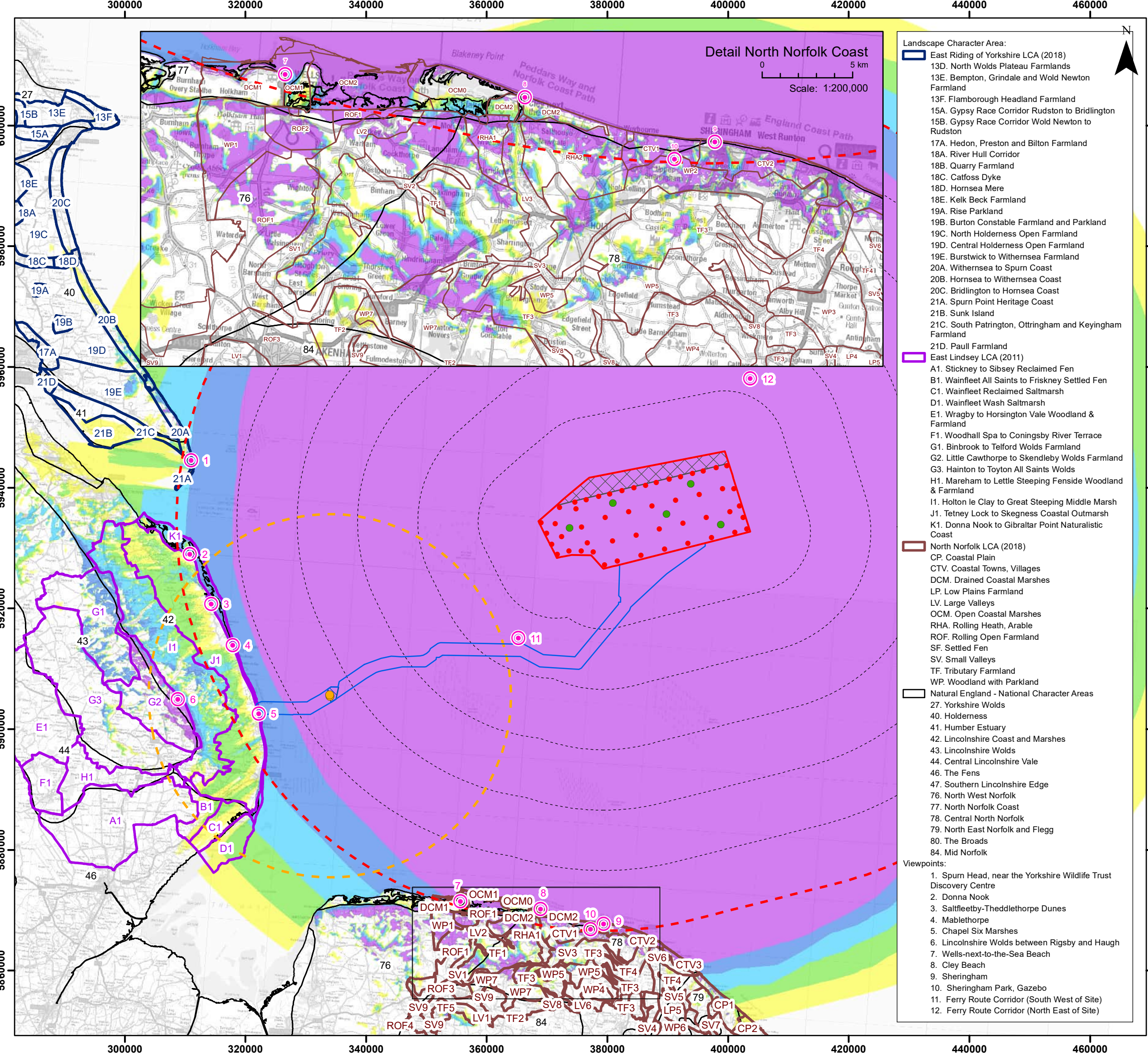
Array Area Blade Tip ZTV with Seascape Character)

Figure 17.9

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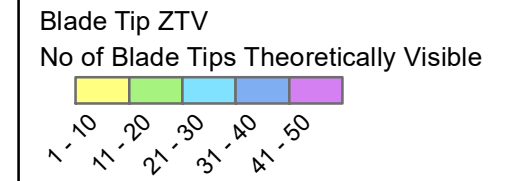
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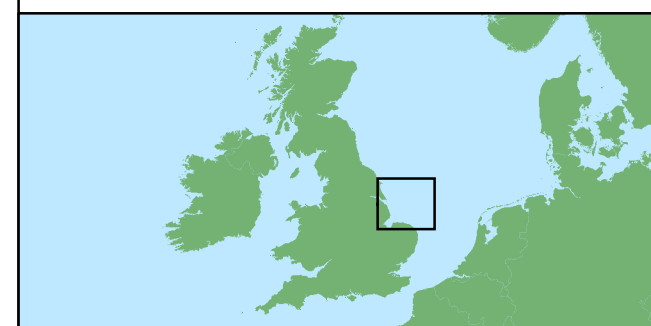


Legend

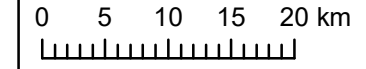
- Indicative Layout
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- Offshore Reactive Compensation Platform (ORCP) Area
- Offshore Restricted Build Area
- 10km Radii
- 60km Study Area
- Offshore Reactive Compensation Platform (ORCP) Study Area
- Natural England - National Character Areas
- East Riding of Yorkshire LCA (2018)
- East Lindsey LCA (2011)
- North Norfolk LCA (2018)



Blade tip:	403m LAT	Observer height:	2m
DTM:	OS T5 and T50 DTM	Surface features:	Excluded
DTM resolution:	10m	Earth curvature:	Included



Coordinate System: WGS 1984 UTM Zone 31N



Scale: 1:600,000

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Array Area Blade Tip ZTV
with Landscape Character

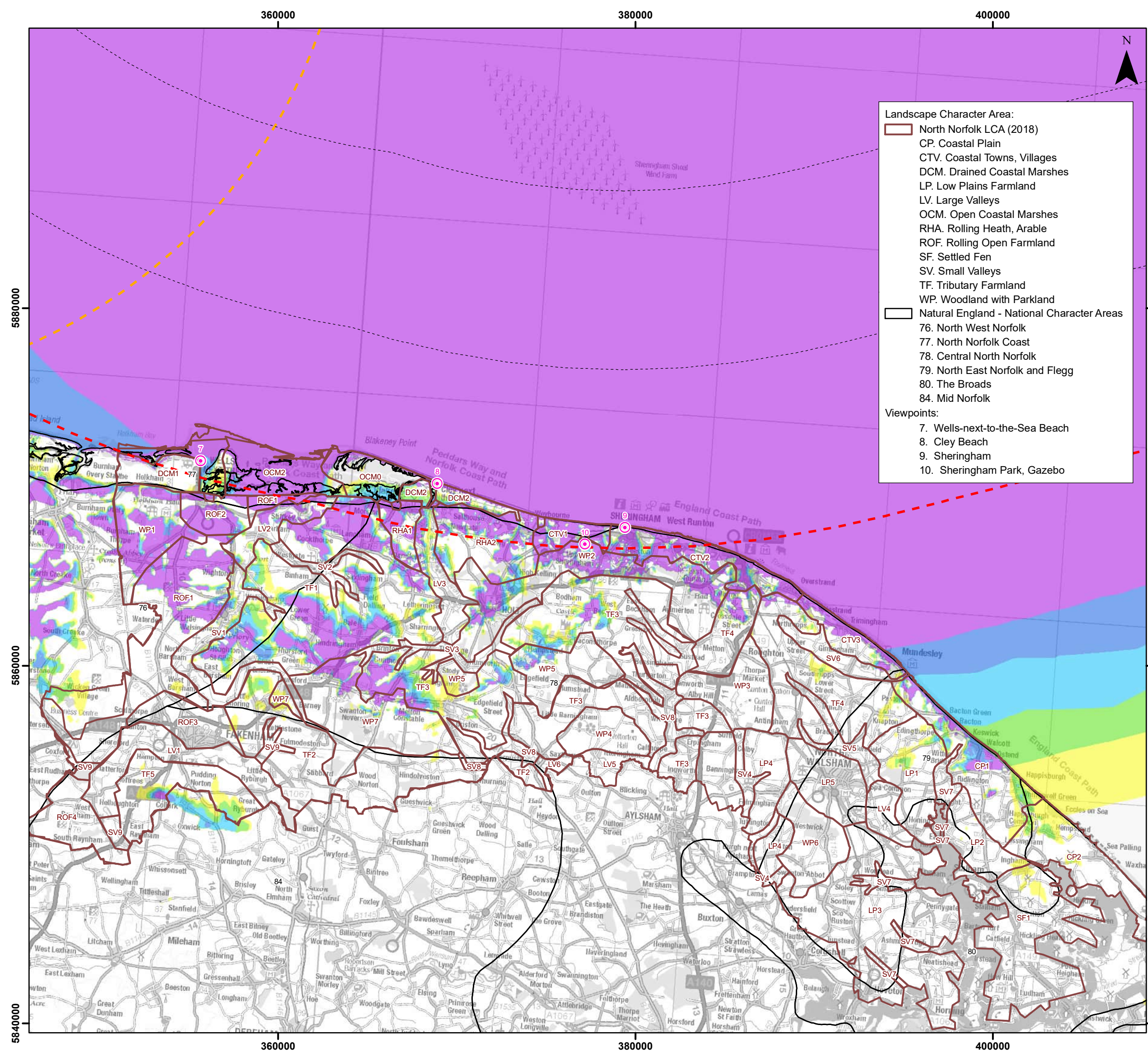
Figure 17.10a



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Landscape Character Area:

- North Norfolk LCA (2018)
- CP. Coastal Plain
- CTV. Coastal Towns, Villages
- DCM. Drained Coastal Marshes
- LP. Low Plains Farmland
- LV. Large Valleys
- OCM. Open Coastal Marshes
- RHA. Rolling Heath, Arable
- ROF. Rolling Open Farmland
- SF. Settled Fen
- SV. Small Valleys
- TF. Tributary Farmland
- WP. Woodland with Parkland
- Natural England - National Character Areas
- 76. North West Norfolk
- 77. North Norfolk Coast
- 78. Central North Norfolk
- 79. North East Norfolk and Flegg
- 80. The Broads
- 84. Mid Norfolk

Viewpoints:

- 7. Wells-next-to-the-Sea Beach
- 8. Cley Beach
- 9. Sheringham
- 10. Sheringham Park, Gazebo

Legend

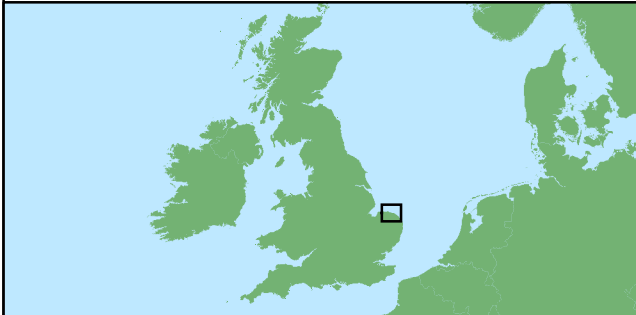
- Viewpoints
- 10km Radii
- 60km Study Area
- Offshore Reactive Compensation Platform (ORCP) Study Area
- Natural England - National Character Areas
- North Norfolk LCA (2018)

Blade Tip ZTV

No of Blade Tips Theoretically Visible

1 - 10	11 - 20	21 - 30	31 - 40	41 - 50
--------	---------	---------	---------	---------

Blade tip:	403m LAT	Observer height:	2m
DTM:	OS T5 and T50 DTM	Surface features:	Excluded
DTM resolution:	10m	Earth curvature:	Included



Coordinate System: WGS 1984 UTM Zone 31N

0 5 km

Scale: 1:200,000

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Array Area Blade Tip ZTV with Landscape Character

Figure 17.10b



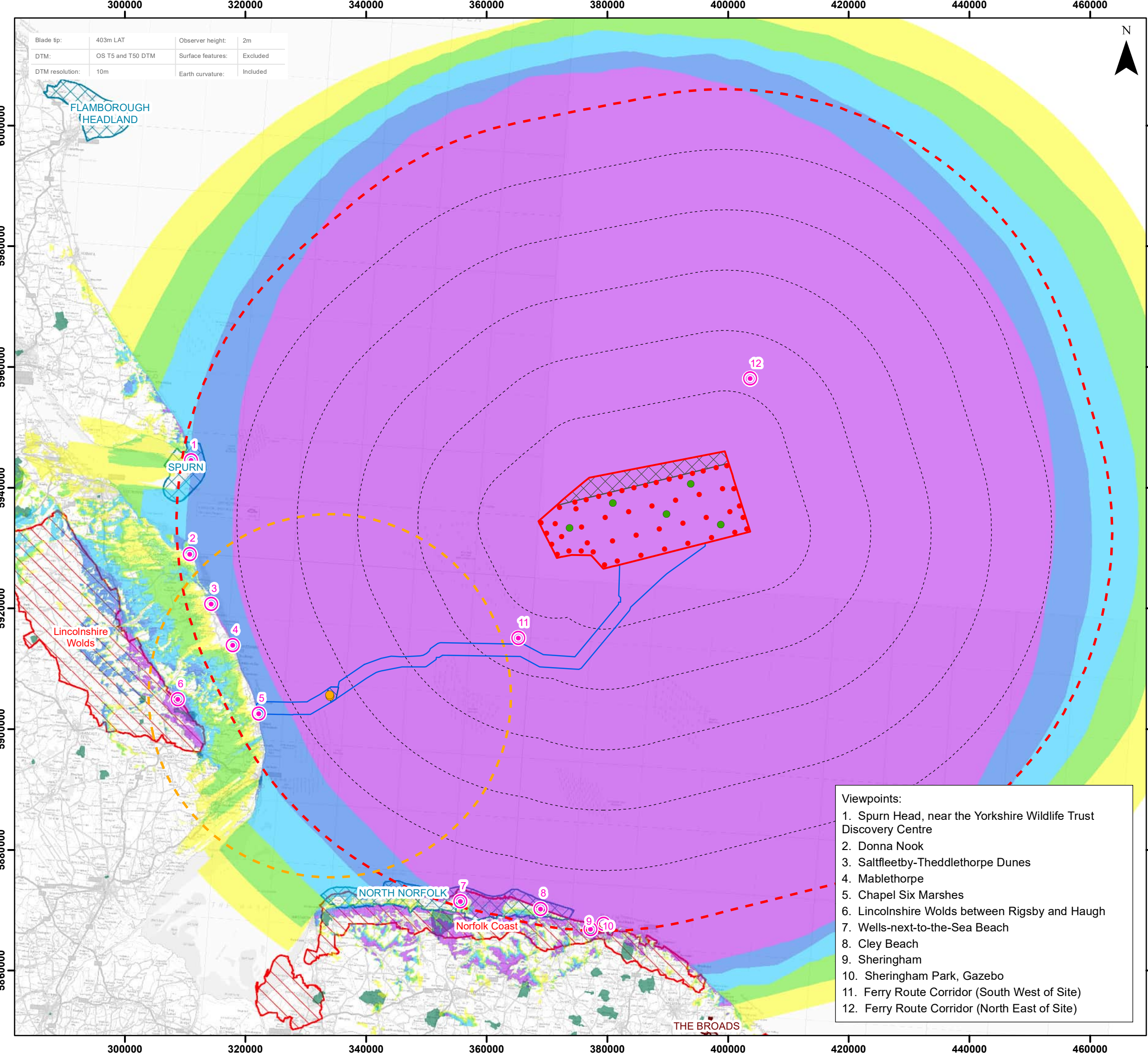
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Revision: 2.0

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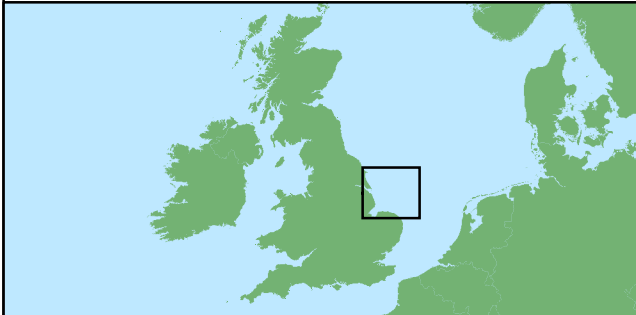
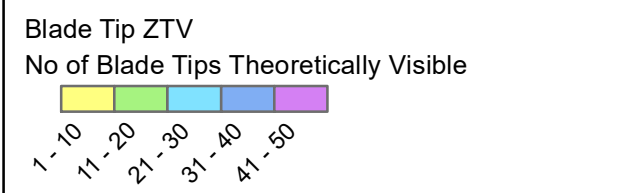


Blade tip:	403m LAT	Observer height:	2m
DTM:	OS T5 and T50 DTM	Surface features:	Excluded
DTM resolution:	10m	Earth curvature:	Included



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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
- National Parks
- Heritage Coast
- Parks and Gardens
- Areas of Outstanding Natural Beauty



Coordinate System: WGS 1984 UTM Zone 31N
0 5 10 15 20 km
Scale: 1:600,000
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Environmental Statement Version 2 Deadline 5

Array Area Blade Tip ZTV
with Landscape Designations

Figure 17.11

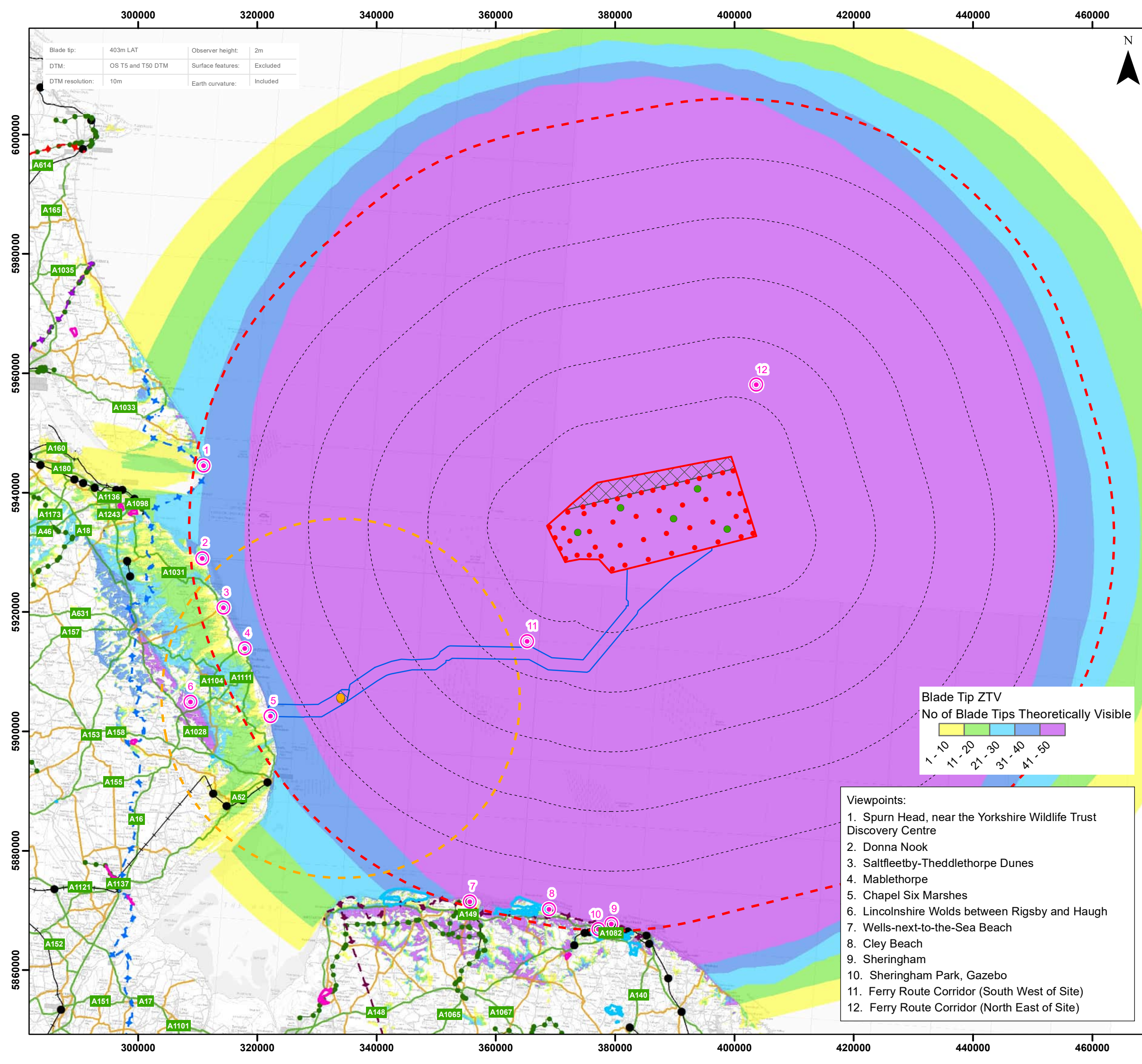


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Contains ESRI Basemapping;

- 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
 9. Sheringham
 10. Sheringham Park, Gazebo
 11. Ferry Route Corridor (South West of Site)
 12. Ferry Route Corridor (North East of Site)



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
- Country Parks
- National Trust Estate
- Long Distance Walks
 - Aerospace Way
 - Greenwich Meridian Trail
 - Peddars Way And Norfolk Coast Path
 - Trans Pennine Trail
- National Cycle Network
- Railway Station
- Railway Track
- A Road
- B Road

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

Array Area Blade Tip ZTV with Visual Receptors

Figure 17.12

outer dowsing OFFSHORE WIND

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