




F I V E 
ESTUARIES
OFFSHORE WIND FARM

FIVE ESTUARIES
OFFSHORE WIND FARM
ENVIRONMENTAL STATEMENT

VOLUME 6, PART 7, ANNEX 10.3.3:
SEASCAPE AND LANDSCAPE VISUAL
FIGURES 10.11 – 10.15

Application Reference	EN010115
Application Document Number	6.7.10.3.3
Revision	A
APFP Regulation	5(2)(a)
Date	March 2024





Project	Five Estuaries Offshore Wind Farm
Sub-Project or Package	Environmental Statement
Document Title	Volume 6, Part 7, Annex 10.3.3: Seascape and Landscape Visual Figures 10.11 - 10.15
Application Document Number	6.7.10.3.3
Revision	A
APFP Regulation	5(2)(a)
Document Reference	005024271-01

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Revision	Date	Status/Reason for Issue	Originator	Checked	Approved
A	Mar-24	ES	OPEN	GoBe	VE OWFL



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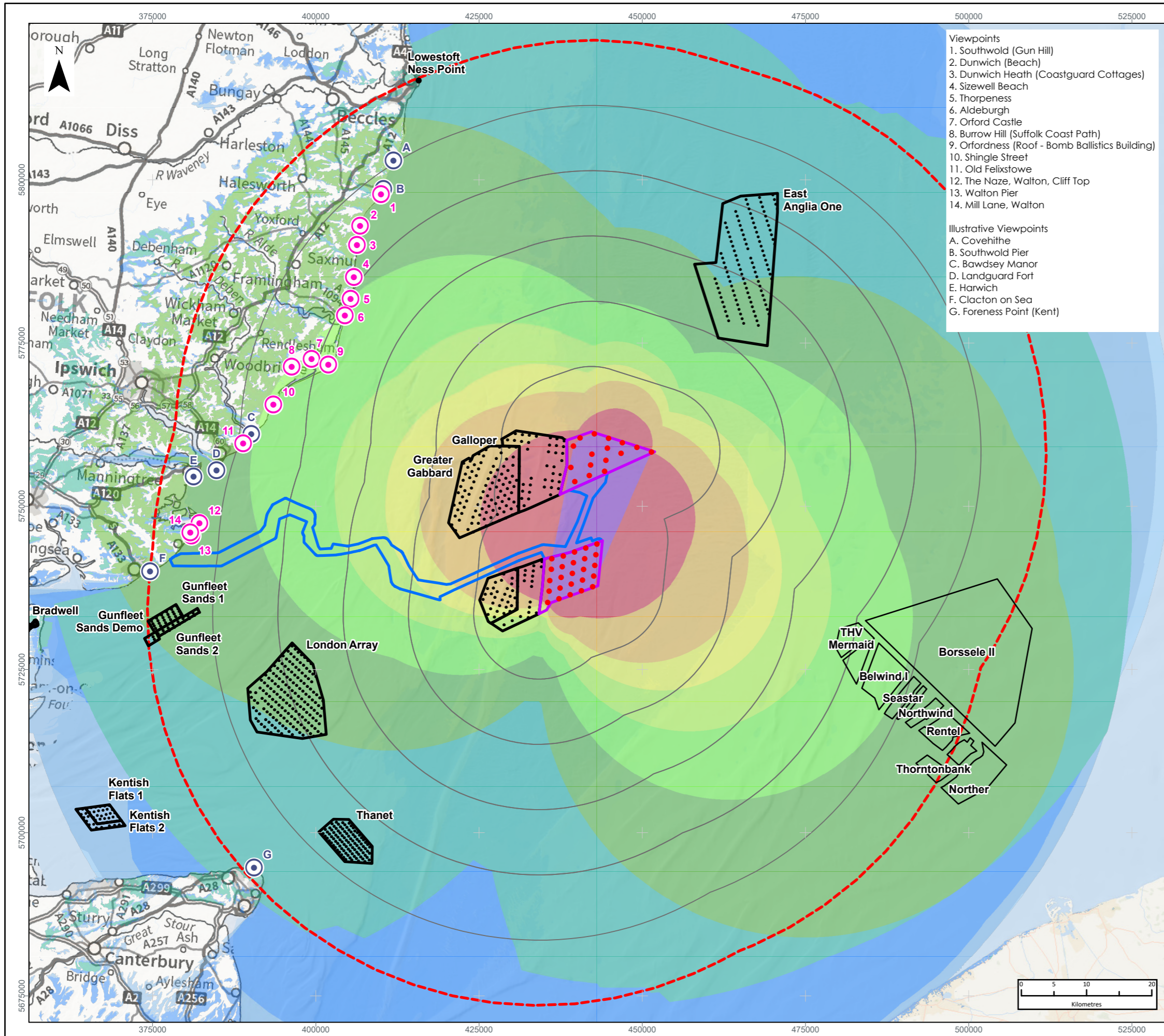
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10.12 ZTV with Seascape

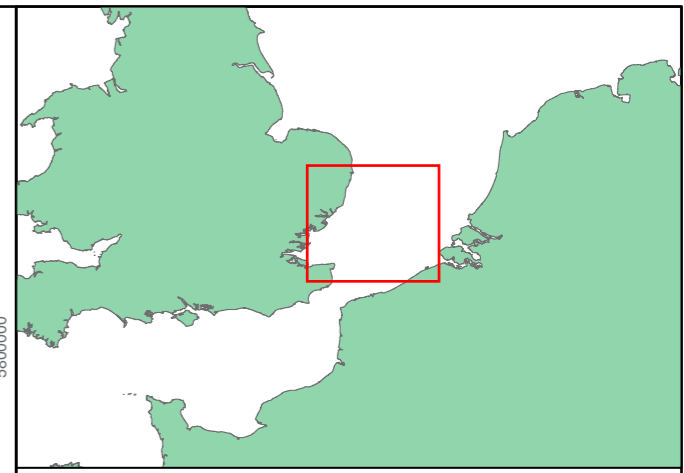
10.13 ZTV with National LCA

10.14 ZTV with County LCA

10.15 ZTV with Designations



- Viewpoints**
1. Southwold (Gun Hill)
 2. Dunwich (Beach)
 3. Dunwich Heath (Coastguard Cottages)
 4. Sizewell Beach
 5. Thorpeness
 6. Aldeburgh
 7. Orford Castle
 8. Burrow Hill (Suffolk Coast Path)
 9. Orfordness (Roof - Bomb Ballistics Building)
 10. Shingle Street
 11. Old Felixstowe
 12. The Naze, Walton, Cliff Top
 13. Walton Pier
 14. Mill Lane, Walton
- Illustrative Viewpoints**
- A. Covehithe
 - B. Southwold Pier
 - C. Bawdsey Manor
 - D. Landguard Fort
 - E. Harwich
 - F. Clacton on Sea
 - G. Foreness Point (Kent)



LEGEND

- Indicative Turbines
- Array Areas
- Offshore Export Cable Corridor
- 10km Radii
- 60km Study Area
- Viewpoint
- Illustrative Viewpoint

Wind Farm Development Status

- Operational

Horizontal Angle ZTV*

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

***ZTV Parameters**

Blade Tip: 395m
 DTM: OS T50/SRTM
 DTM Resolution: 50m
 Observer Height: 2m
 Surface Features: Excluded
 Earth Curvature: Included

Data Source:
 Basemap: World Ocean Base: OceanWise, Esri, GEBCO, Garmin, NaturalVue. Contains OS data
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 Ordnance Survey 0100031673. SRTM data © NASA 2023.

PROJECT TITLE:
 FIVE ESTUARIES OFFSHORE WINDFARM

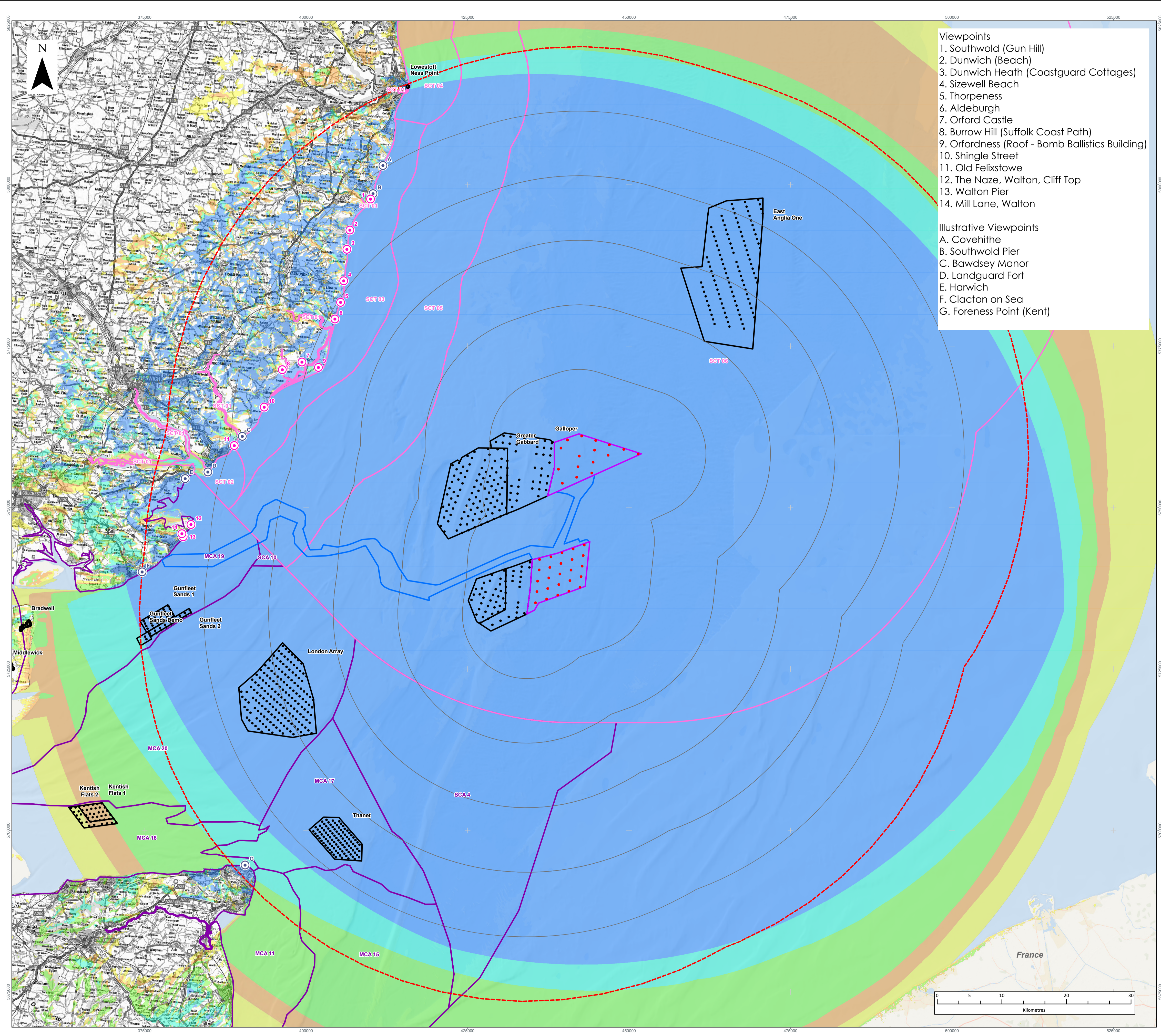
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 Horizontal Angle ZTV (Maximum Height)

VER	DATE	REMARKS	Drawn	Checked
1	09/02/2024	For Issue	RA	SM

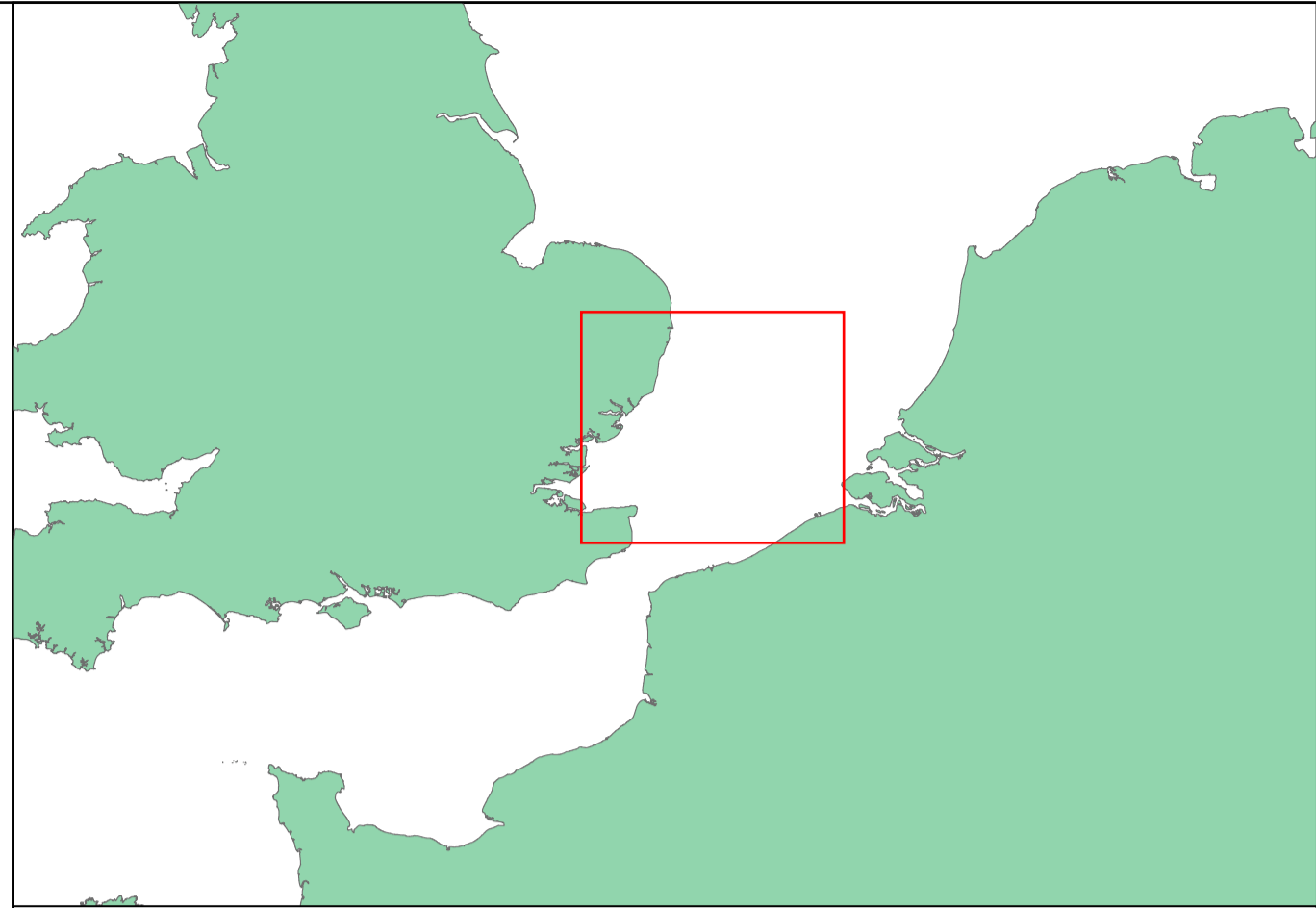
DRAWING NUMBER:
 10.11

SCALE: 1:600,000 PLOT SIZE: A3 DATUM: WGS84 PROJECTION: UTM31N





- Viewpoints**
1. Southwold (Gun Hill)
 2. Dunwich (Beach)
 3. Dunwich Heath (Coastguard Cottages)
 4. Sizewell Beach
 5. Thorpeness
 6. Aldeburgh
 7. Orford Castle
 8. Burrow Hill (Suffolk Coast Path)
 9. Orfordness (Roof - Bomb Ballistics Building)
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 12. The Naze, Walton, Cliff Top
 13. Walton Pier
 14. Mill Lane, Walton
- Illustrative Viewpoints**
- A. Covehithe
 - B. Southwold Pier
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 - D. Landguard Fort
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 - G. Foreness Point (Kent)



LEGEND

- Indicative Turbines
- Array Areas
- Offshore Export Cable Corridor
- 10km Radii
- 60km Study Area
- Viewpoint
- Illustrative Viewpoint
- Wind Farm Development Status
- Operational
- Seascape Character
- Source: Suffolk, South Norfolk and North Essex Seascape Character Assessment (2018)
- SCT 01. Inland Navigable Waters
- SCT 02. International Ports and Approaches
- SCT 03. Nearshore Waters
- SCT 04. Developed Nearshore Waters
- SCT 05. Coastal Waters
- SCT 06. Offshore Waters
- Marine Character Areas
- Source: Seascape Character Area Assessment East Inshore and East Offshore Marine Plan Areas (2012)
- MCA 11. Goodwin Sands and North Dover Strait
- MCA 15. Eastern English Channel Approaches
- MCA 16. Swale, Kentish Flats and Margate Sand
- MCA 17. Thanet Shipping Waters
- MCA 18. Thames and Medway Estuaries
- MCA 19. Essex and South Suffolk Estuaries and Coastal Waters
- MCA 20. Thames Approaches
- SCA 4. East Anglian Shipping Waters
- SCA 10. Suffolk Coastal Water
- No. of Blade Tips Theoretically Visible*
- 1 - 10
- 11 - 20
- 21 - 30
- 31 - 40
- 41

***ZTV Parameters**
 Blade Tip: 395m
 DTM: OS T5/T50/SRTM
 DTM Resolution: 10m
 Observer Height: 2m
 Surface Features: Excluded
 Earth Curvature: Included

Data Source:
 Basemap: World Ocean Base; OceanWise; Esri; Garmin; NaturalVue
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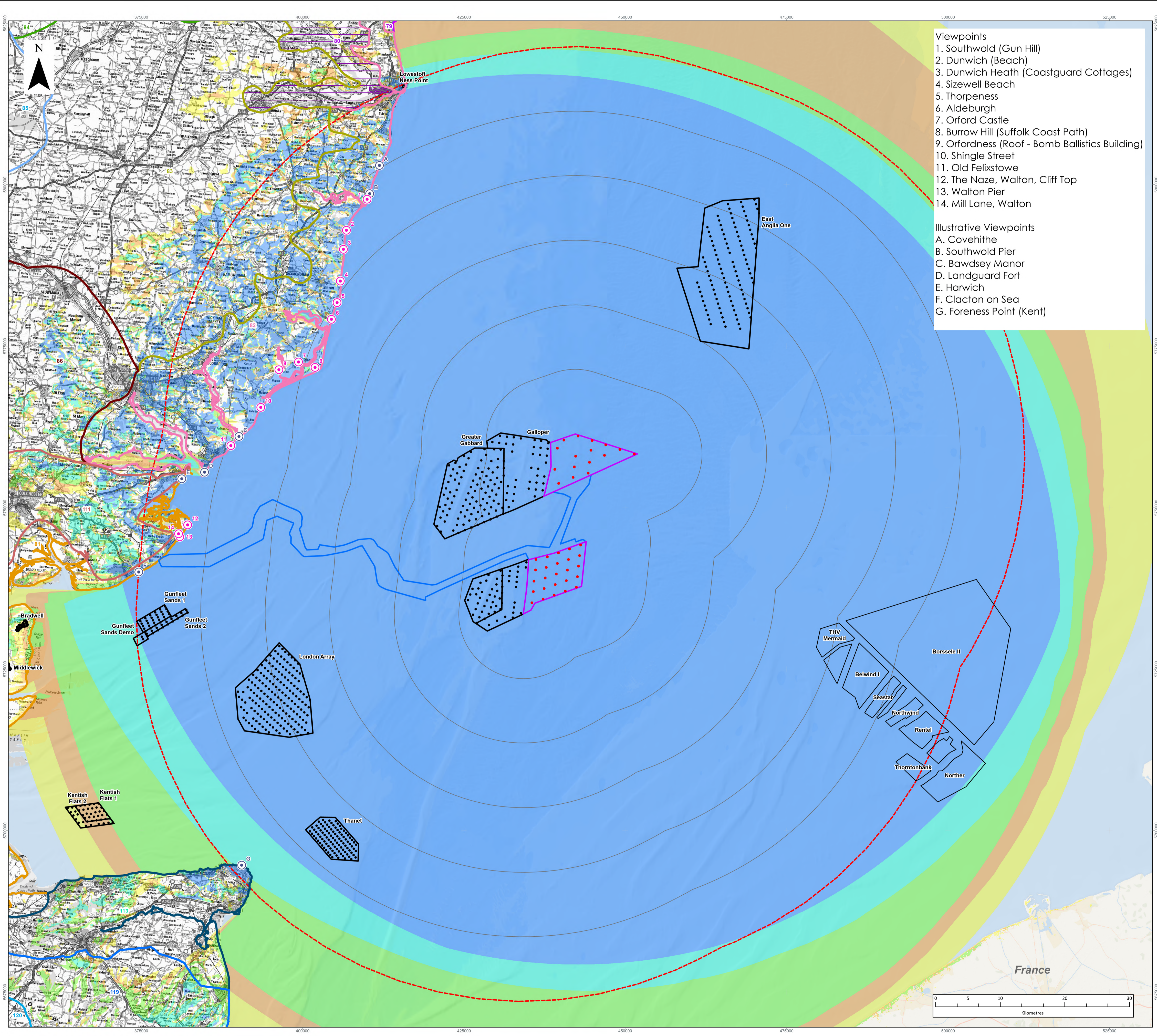
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 Blade Tip ZTV with Seascape Character

VER	DATE	REMARKS	Drawn	Checked
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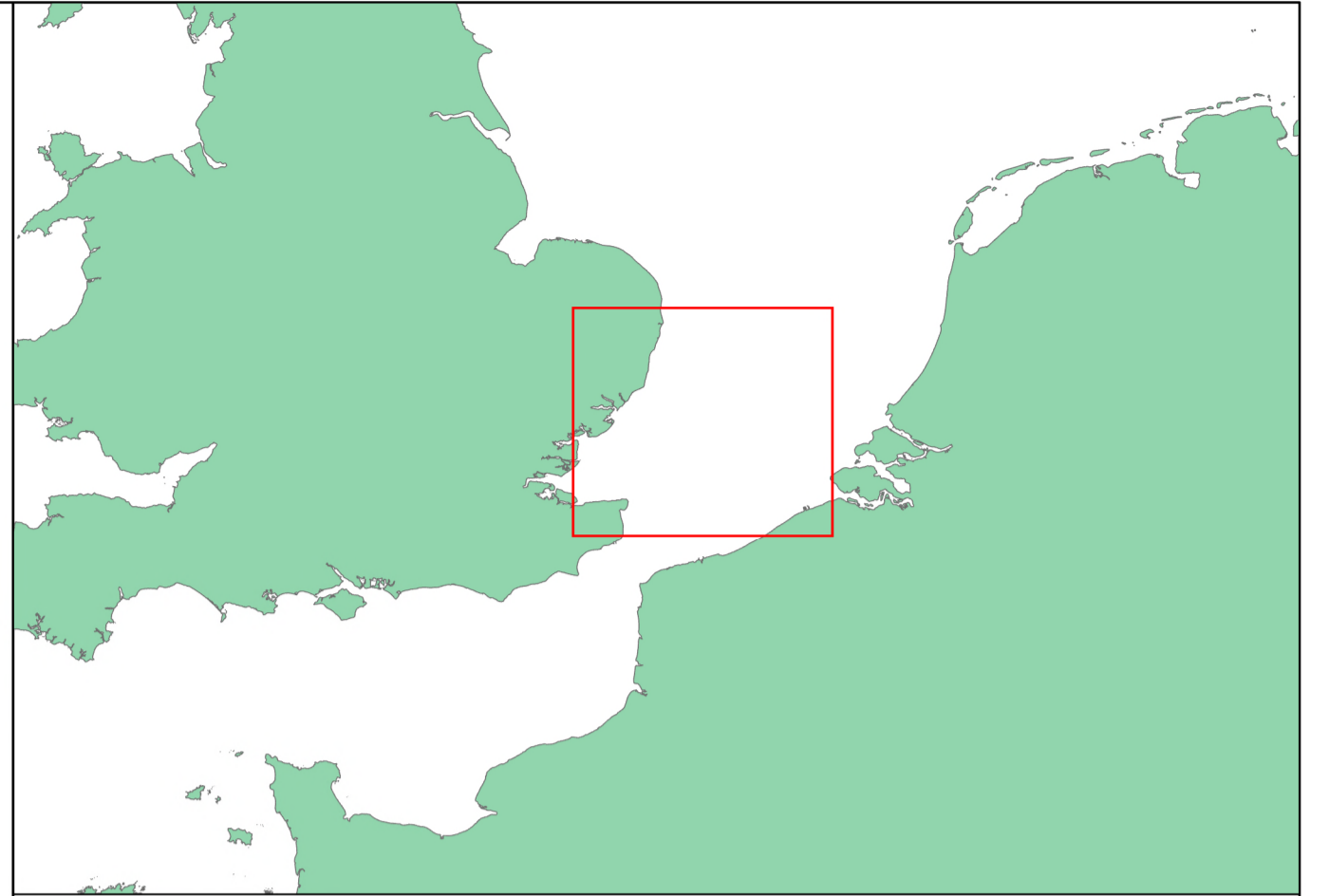
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SCALE: 1:300,000 | PLOT SIZE: A1 | DATUM: WGS84 | PROJECTION: UTM31N





- Viewpoints**
1. Southwold (Gun Hill)
 2. Dunwich (Beach)
 3. Dunwich Heath (Coastguard Cottages)
 4. Sizewell Beach
 5. Thorpeness
 6. Aldeburgh
 7. Orford Castle
 8. Burrow Hill (Suffolk Coast Path)
 9. Orfordness (Roof - Bomb Ballistics Building)
 10. Shingle Street
 11. Old Felixstowe
 12. The Naze, Walton, Cliff Top
 13. Walton Pier
 14. Mill Lane, Walton
- Illustrative Viewpoints**
- A. Covehithe
 - B. Southwold Pier
 - C. Bawdsey Manor
 - D. Landguard Fort
 - E. Harwich
 - F. Clacton on Sea
 - G. Foreness Point (Kent)



LEGEND

- Indicative Turbines
- Array Areas
- Offshore Export Cable Corridor
- 10km Radii
- 60km Study Area
- Viewpoint
- Illustrative Viewpoint

Wind Farm Development Status

- Operational

National Landscape Areas

- 79. North East Norfolk and Flegg
- 80. The Broads
- 81. Greater Thames Estuary
- 82. Suffolk Coast and Heaths
- 83. South Norfolk and High Suffolk Claylands
- 84. Mid Norfolk
- 85. The Brecks
- 86. South Suffolk and North Essex Clayland
- 111. Northern Thames Basin
- 113. North Kent Plain
- 119. North Downs
- 120. Wealden Greensand

***ZTV Parameters**

- Blade Tip: 395m
- DTM: OS T5/T50/SRTM
- DTM Resolution: 10m
- Observer Height: 2m
- Surface Features: Excluded
- Earth Curvature: Included

No. of Blade Tips Theoretically Visible*

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

Data Source:
 Basemap: World Ocean Base: OceanWise, Esri, Garmin, NaturalVue
 Image: Contains OS data ©Crown copyright and database right (2022). © Crown copyright and database rights (2022) Ordnance Survey 0100031673. © Natural England copyright. Contains Ordnance Survey data © Crown copyright and database right (2022). SRTM Data © NASA 2022

PROJECT TITLE:
 FIVE ESTUARIES OFFSHORE WINDFARM

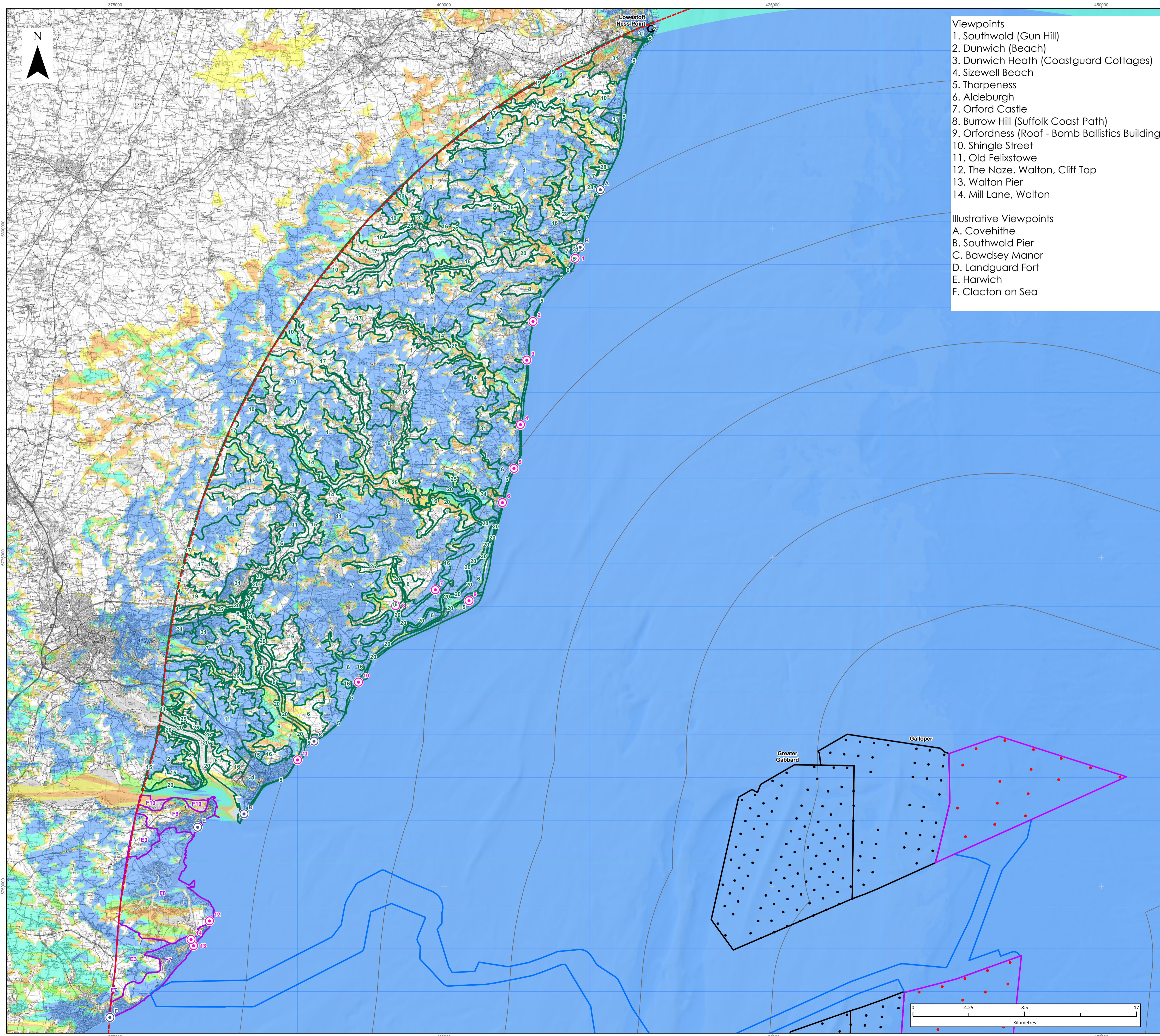
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 Blade Tip ZTV with National Landscape Character

VER	DATE	REMARKS	Drawn	Checked
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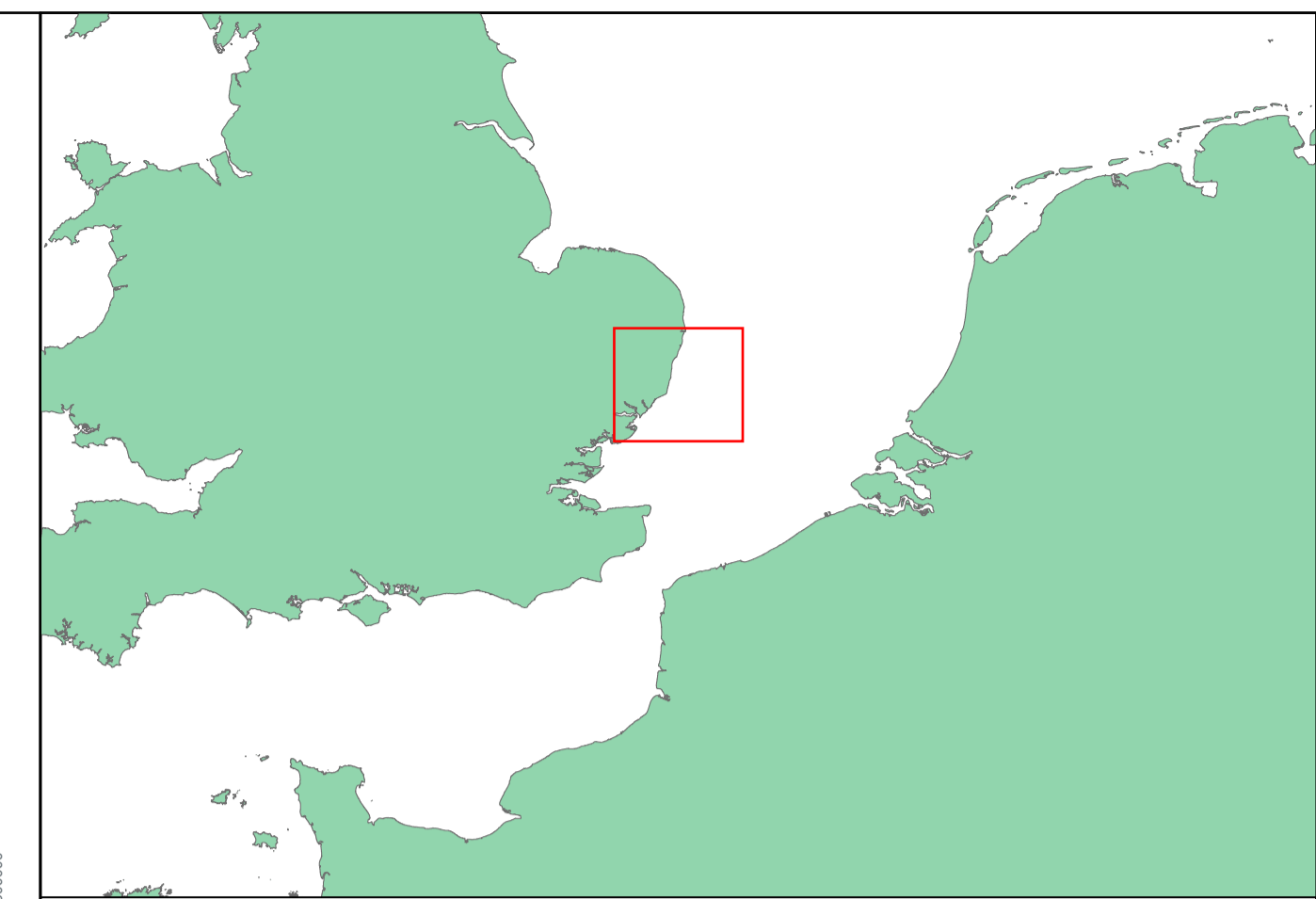
DRAWING NUMBER:
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SCALE: 1:300,000 PLOT SIZE: A1 DATUM: WGS84 PROJECTION: UTM31N





- Viewpoints**
1. Southwold (Gun Hill)
 2. Dunwich (Beach)
 3. Dunwich Heath (Coastguard Cottages)
 4. Sizewell Beach
 5. Thorpeness
 6. Aldeburgh
 7. Orford Castle
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- A. Covehithe
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 - D. Landguard Fort
 - E. Harwich
 - F. Clacton on Sea



LEGEND

- Indicative Turbines
- ▭ Array Areas
- ▭ Offshore Export Cable Corridor
- ▭ 10km Radii
- ▭ 60km Study Area
- Viewpoint
- Illustrative Viewpoint
- Wind Farm Development Status
 - Operational
 - ▭ Suffolk Landscape Character
- Suffolk Landscape Character Assessment 2018
 1. Ancient Estate Claylands
 2. Ancient Estate Farmlands
 3. Ancient Plateau Claylands
 4. Ancient Rolling Farmlands
 5. Coastal Dunes and Shingle Ridges
 6. Coastal Levels
 7. Estate Sandlands
 8. Open Coastal Fens
 10. Plateau Claylands
 11. Plateau Estate Farmlands
 14. Rolling Estate Claylands
 15. Rolling Estate Farmlands
 16. Rolling Estate Sandlands
 17. Rolling Valley Claylands
 19. Rolling Valley Farmlands and Furze
 20. Saltmarsh and Intertidal Flats
 25. Valley Meadowlands
 26. Valley Meadows and Fens
 28. Wooded Fens
 31. Urban
- ▭ Essex Landscape Character
- ▭ Essex Landscape Character Assessment 2003
 - E3 - Tendring Plan
 - F7 - Brightlingsea-Clacton-Frinton Coast
 - F8 - Hamford Water
 - F9 - Stour Estuary Slopes
 - F10 - Stour Estuary
- No. of Blade Tips Theoretically Visible*
 - 1 - 10
 - 11 - 20
 - 21 - 30
 - 31 - 40
 - 41

***ZTV Parameters**
 Blade Tip: 395m
 DTM: OS T5/T50/SRTM
 DTM Resolution: 10m
 Observer Height: 2m
 Surface Features: Excluded
 Earth Curvature: Included

Data Source:
 Basemap: World Ocean Base: OceanWise, Esri, Garmin, NaturalVue
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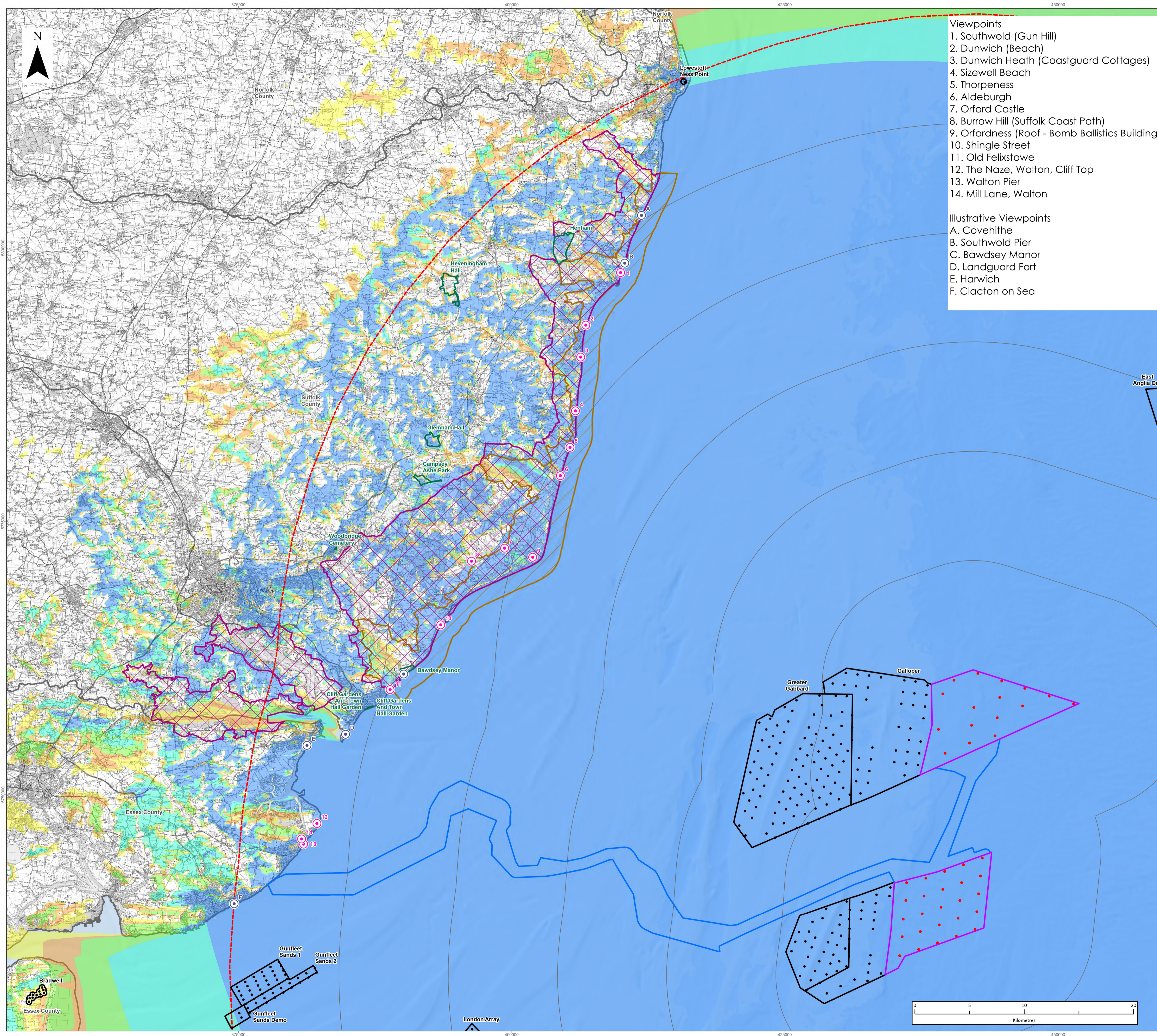
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Blade Tip ZTV with County Landscape Character

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2	09/02/2024	For Issue	RA	SM

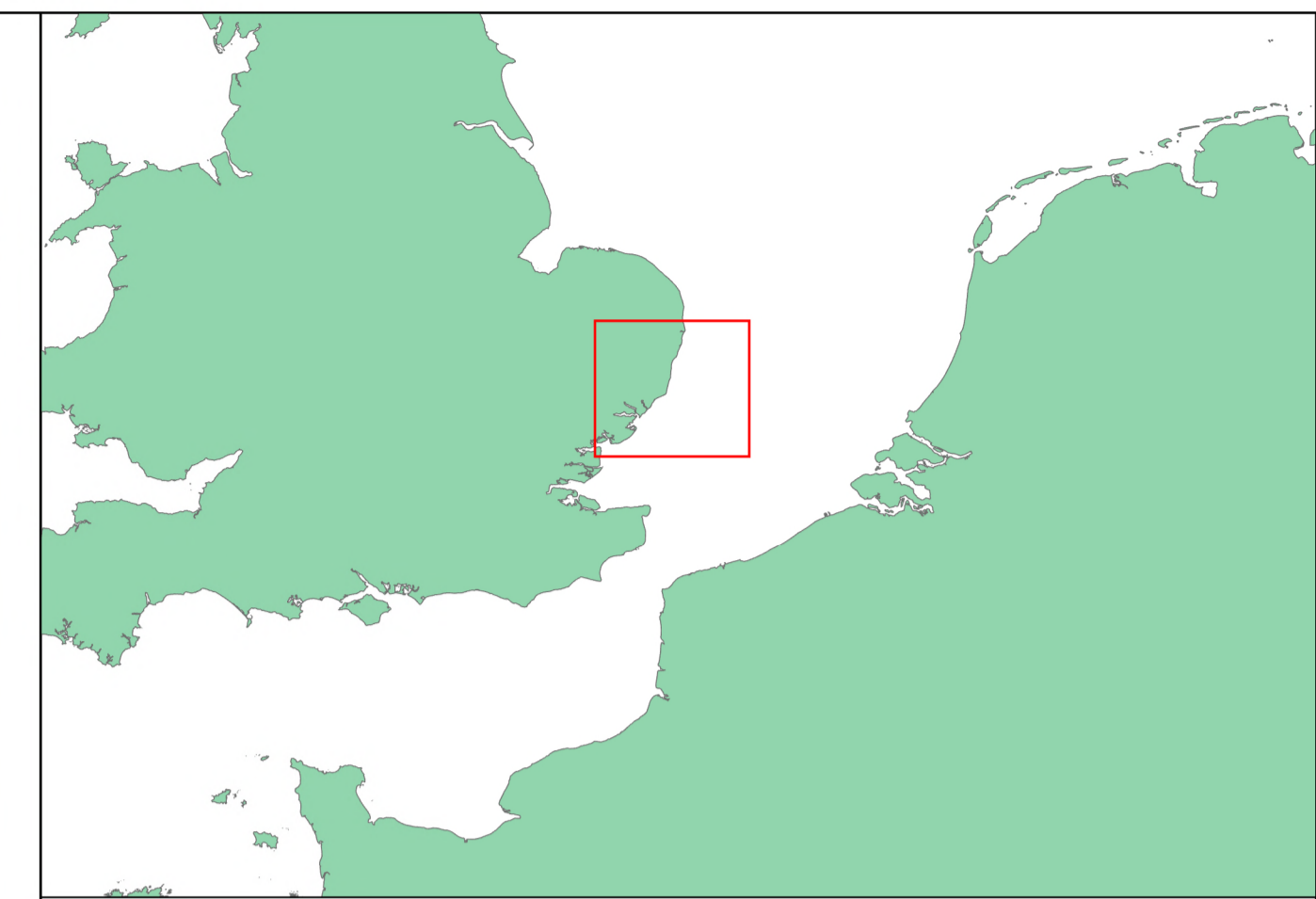
DRAWING NUMBER:
10.14

SCALE: 1:150,000	PLOT SIZE: A1	DATUM: WGS84	PROJECTION: UTM31N
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- Viewpoints**
1. Southwold (Gun Hill)
 2. Dunwich (Beach)
 3. Dunwich Heath (Coastguard Cottages)
 4. Sizewell Beach
 5. Thorpeness
 6. Aldeburgh
 7. Orford Castle
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- Illustrative Viewpoints**
- A. Covehithe
 - B. Southwold Pier
 - C. Bawdsey Manor
 - D. Landguard Fort
 - E. Harwich
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LEGEND

- Indicative Turbines
- Array Areas
- Offshore Export Cable Corridor
- 10km Radii
- 60km Study Area
- Viewpoint
- Illustrative Viewpoint

Wind Farm Development Status

- Operational
- County Boundary
- Registered Parks and Gardens
- Suffolk Coast & Heaths Area of Natural Beauty
- Suffolk Heritage Coast

No. of Blade Tips Theoretically Visible*

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

***ZTV Parameters**
 Blade Tip: 395m
 DTM: OS T5/T50/SRTM
 DTM Resolution: 10m
 Observer Height: 2m
 Surface Features: Excluded
 Earth Curvature: Included

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PROJECT TITLE:
 FIVE ESTUARIES OFFSHORE WINDFARM

DRAWING TITLE:
 Blade Tip ZTV with Landscape Designations

VER	DATE	REMARKS	Drawn	Checked
1	21/02/2024	For Issue	RA	SM

DRAWING NUMBER:
 10.15

SCALE: 1:180,000 | PLOT SIZE: A1 | DATUM: WGS84 | PROJECTION: UTM31N





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company number 12292474

