



FIVE
ESTUARIES
OFFSHORE WIND FARM

FIVE ESTUARIES
OFFSHORE WIND FARM
ENVIRONMENTAL STATEMENT

VOLUME 6, PART 7, ANNEX 10.3.5:
SEASCAPE AND LANDSCAPE VISUAL
FIGURES 10.21 – 10.25

Application Reference	EN010115
Application Document Number	6.7.10.3.5
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 10.3.5: Seascape and Landscape Visual Figures 10.21 - 10.25
Application Document Number	6.7.10.3.5
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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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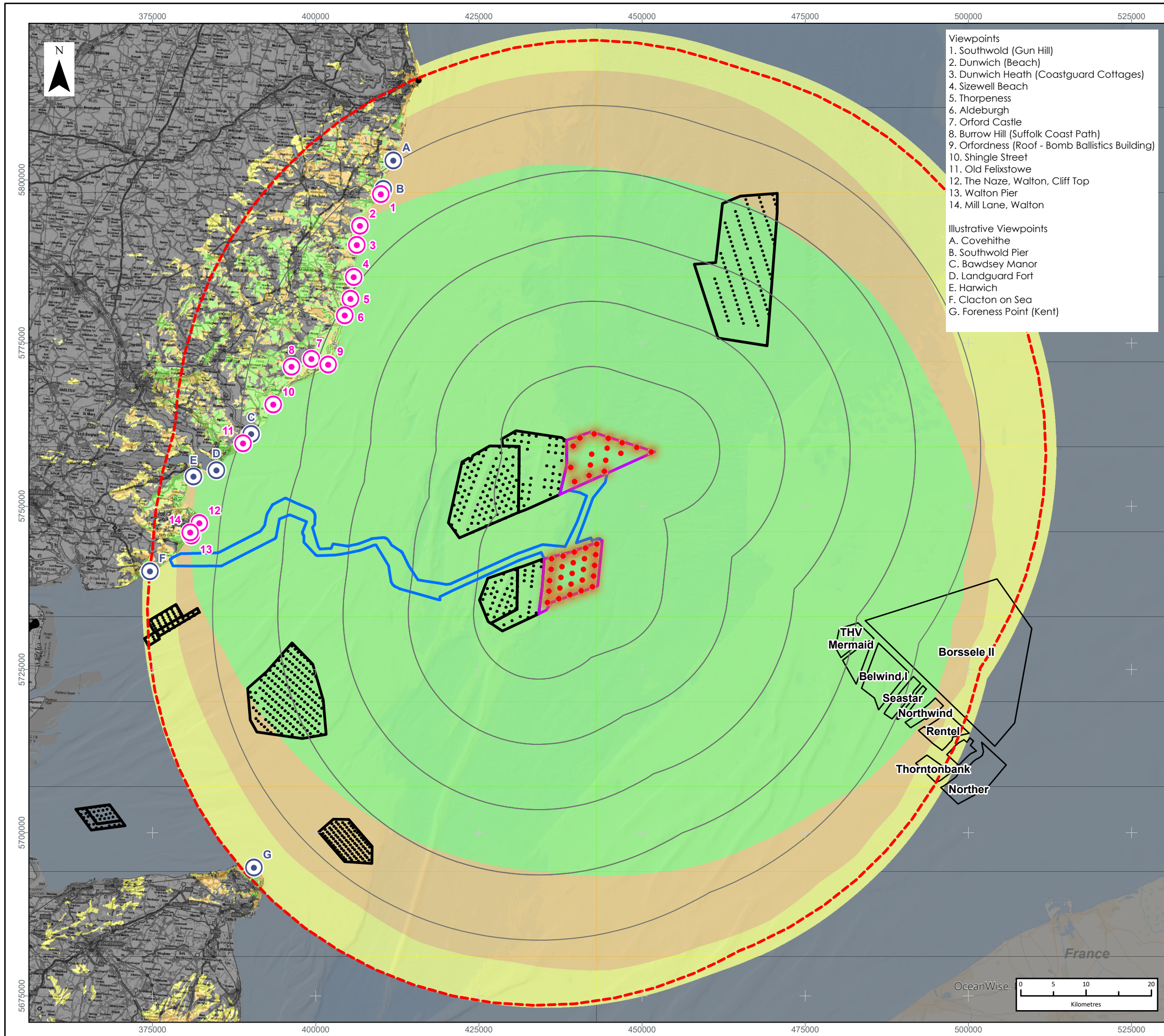
10.21 Aviation Lighting

10.22 Cumulative Projects

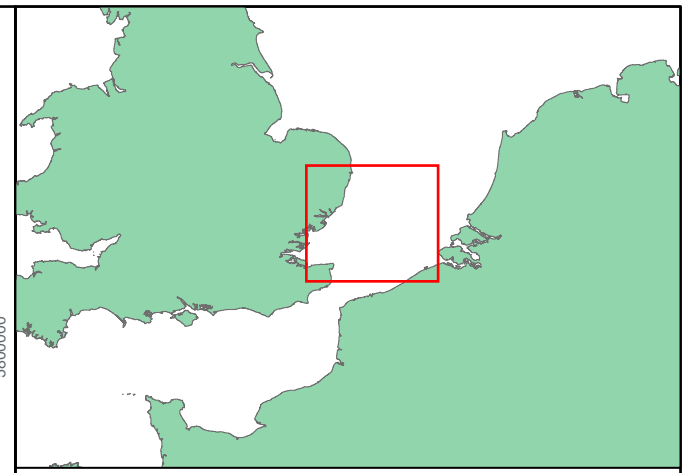
10.23 Operational CZTV

10.24 Consented CZTV

10.25 North Falls CZTV



- 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

- Non-perimeter turbines assumed
- not to be lit with aviation lighting (during normal operation)
- Perimeter turbines assumed to be lit with aviation lighting
- ▭ Array Areas
- ▭ Offshore Export Cable Corridor
- 10km Radii
- ▭ 60km Study Area
- Viewpoint
- Illustrative Viewpoint
- ▭ Operational

No. of Nacelle Aviation Lights Theoretically Visible*

- 1 - 9
- 10 - 18
- 19 - 27

***ZTV Parameters**
 Hub Height: 215m
 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

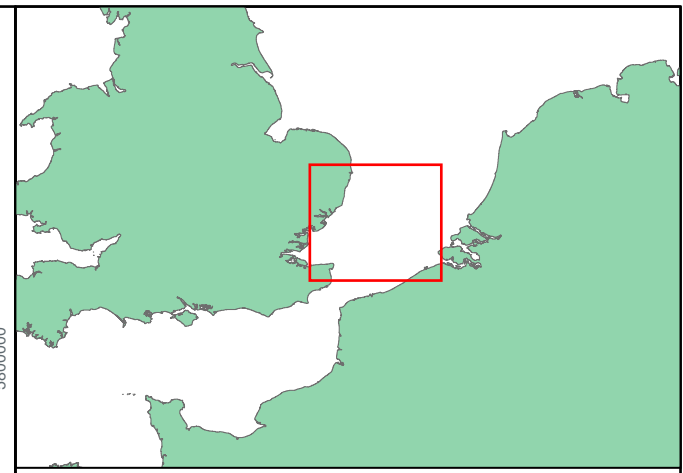
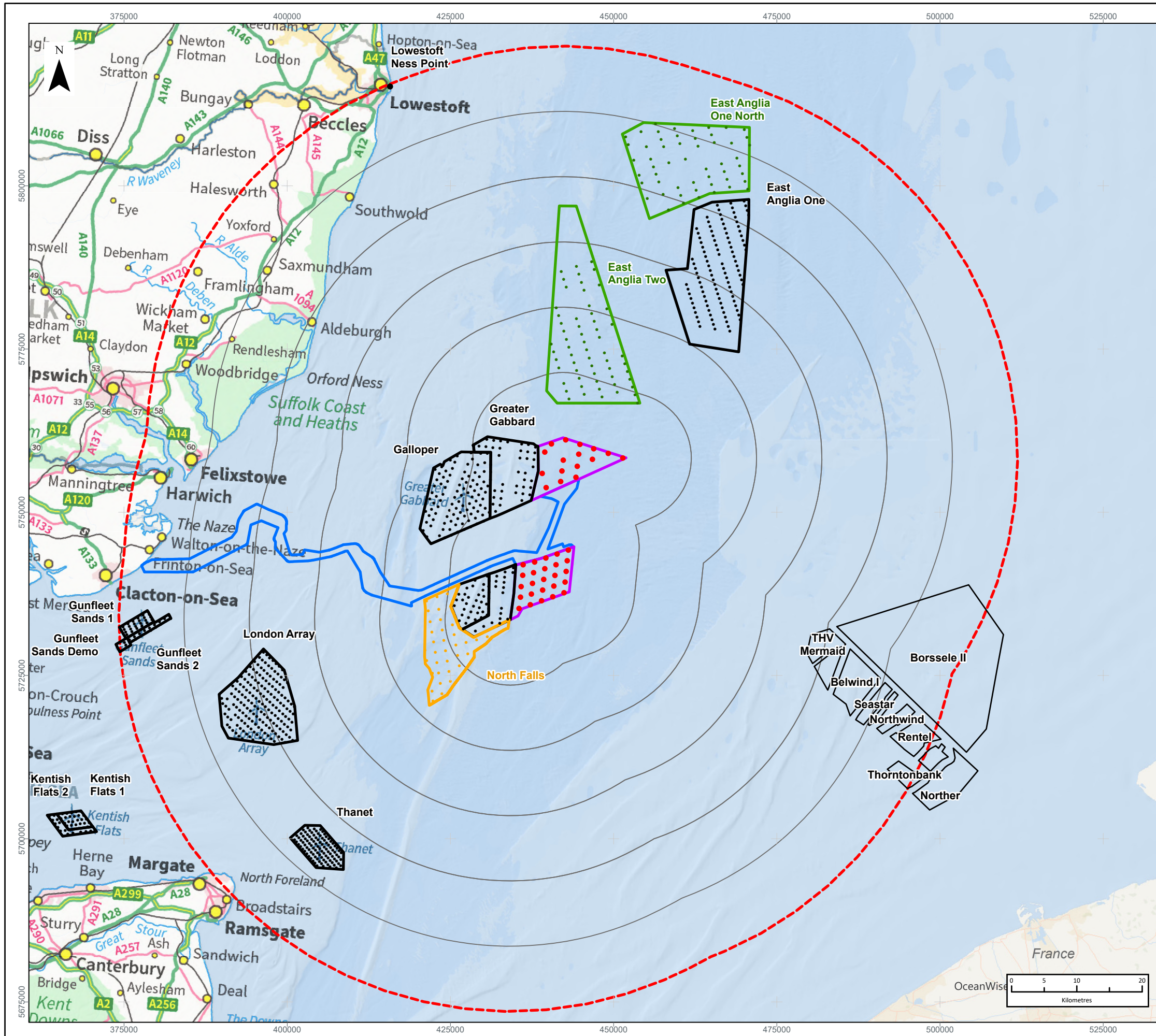
DRAWING TITLE:
 Nacelle Aviation Lighting ZTV

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

DRAWING NUMBER:
 10.21

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





LEGEND

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

Wind Farm Development Status:

- ▭ Operational
- ▭ Consented
- ▭ Pre-Application

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PROJECT TITLE:
FIVE ESTUARIES OFFSHORE WINDFARM

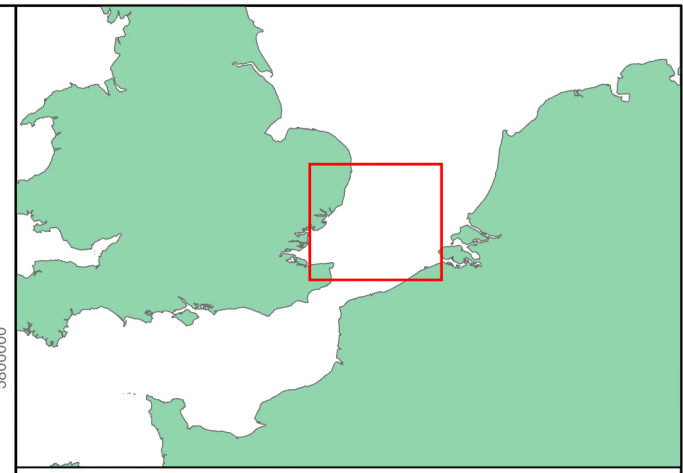
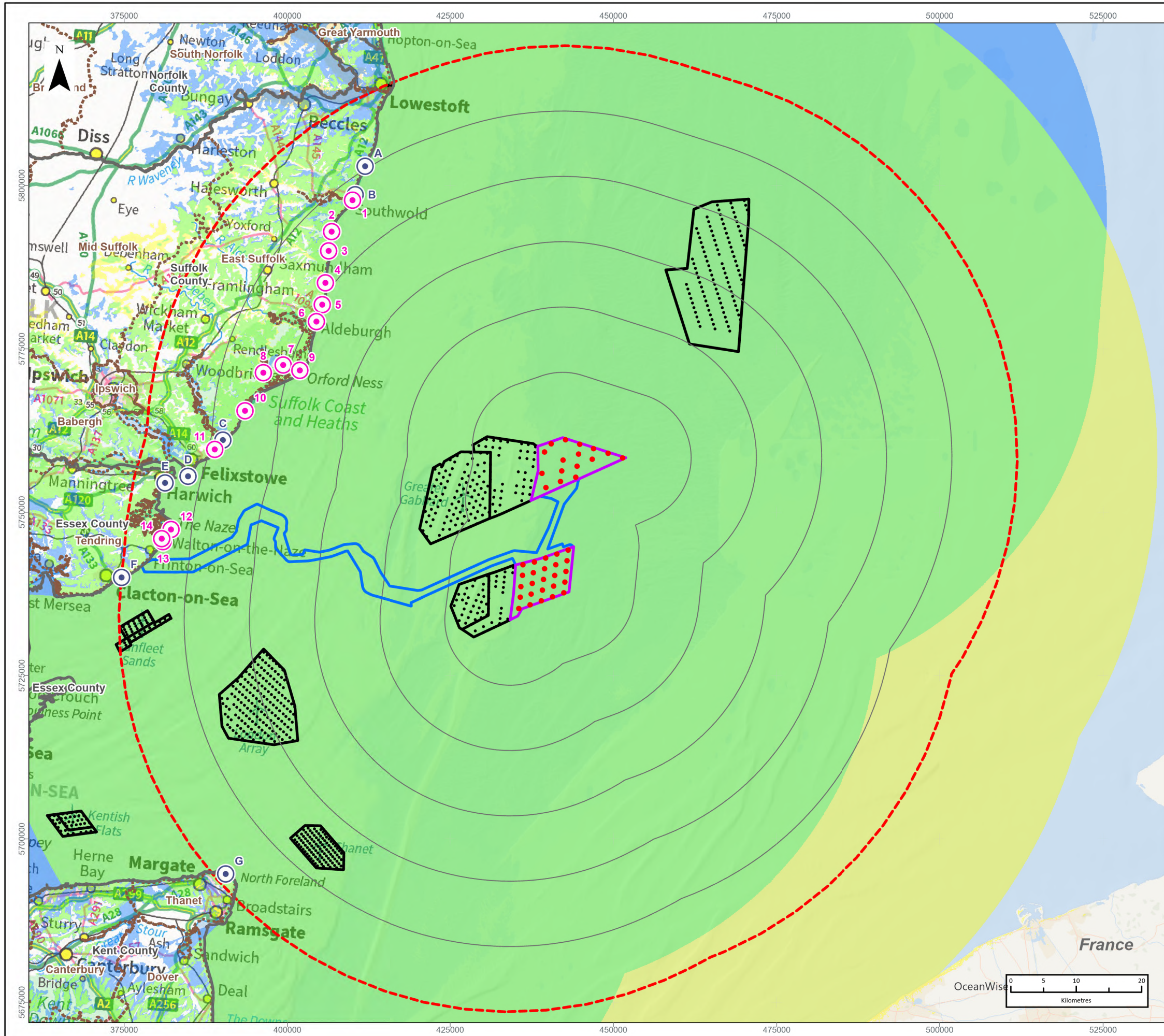
DRAWING TITLE:
Cumulative Projects

VER	DATE	REMARKS	Drawn	Checked
1	12/02/2024	For Issue	RA	SM

DRAWING NUMBER:
10.22

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





LEGEND

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

Wind Farm Development Status:

- Operational

Cumulative ZTV*

- Five Estuaries Theoretical Visibility
- Operational OWF Theoretical Visibility
- Combine Theoretical Visibility

***ZTV Parameters**
 VE Blade Tip: 395m
 OP Blade Tip: 115 - 180.5m
 DTM: OS T5/T50/SRTM
 DTM Resolution: 10m
 Observer Height: 2m
 Surface Features: Excluded
 Earth Curvature: Included

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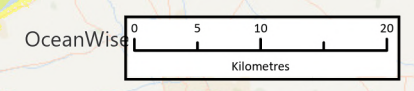
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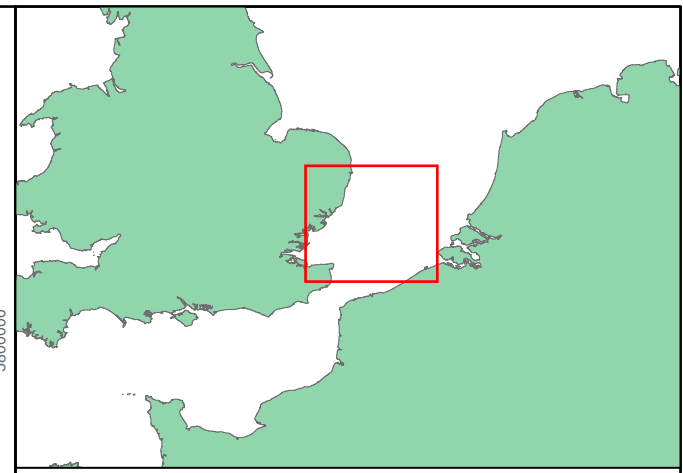
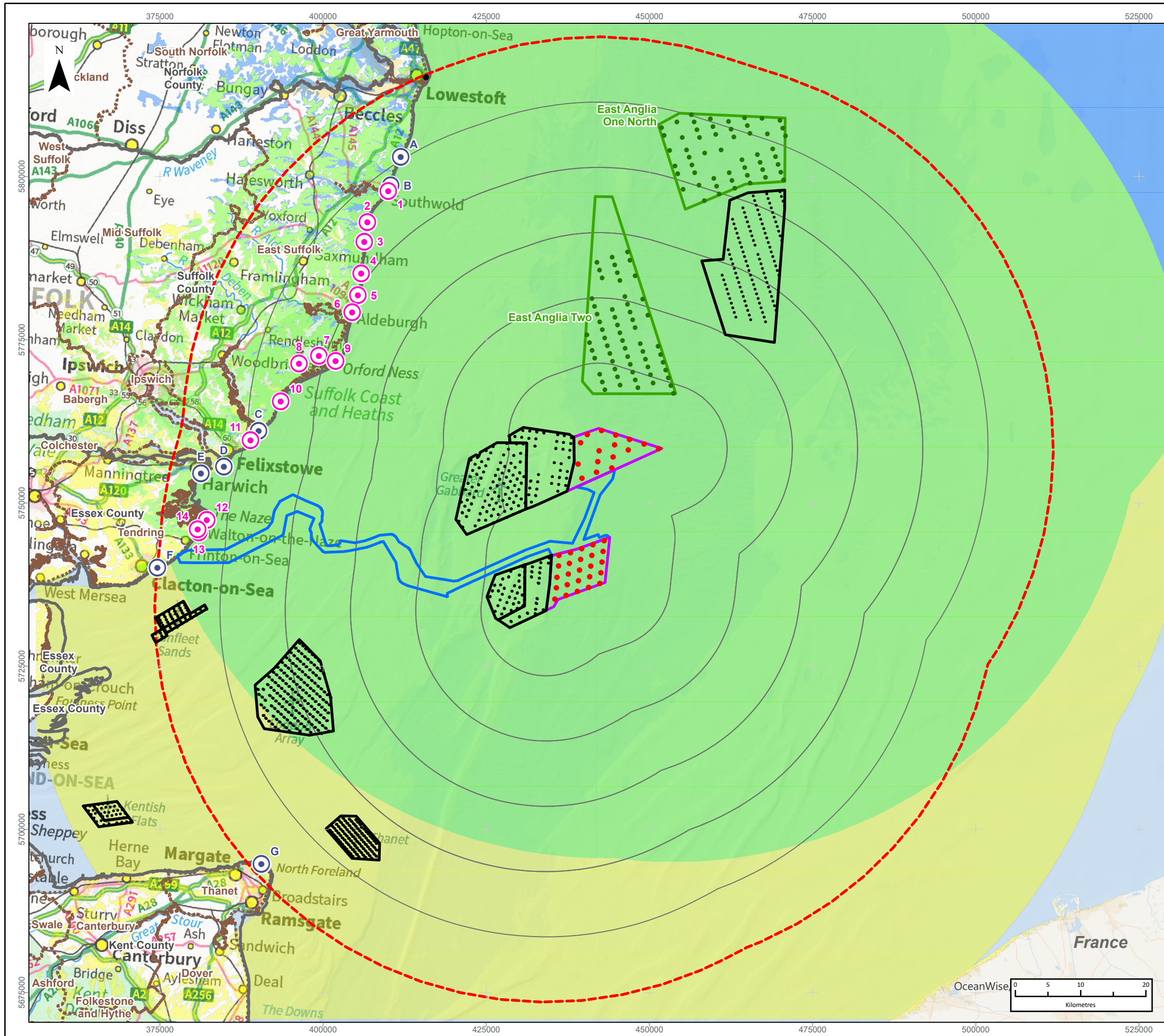
DRAWING TITLE:
 Cumulative ZTV - Five Estuaries with
 Baseline (operational) OWF

VER	DATE	REMARKS	Drawn	Checked
1	11/01/2024	For Issue	RA	SM

DRAWING NUMBER:
 10.23

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





LEGEND

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

Wind Farm Development Status:

- Operational
- Consented

Cumulative ZTV*

- Five Estuaries Theoretical Visibility
- Tier 1 (consented) OWF Theoretical Visibility
- Combined Theoretical Visibility

***ZTV Parameters**
 VE Blade Tip: 395m
 Consented Blade Tip: 300m
 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

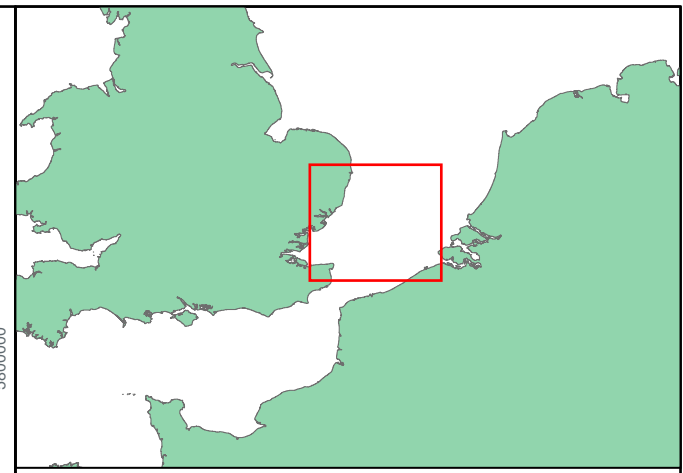
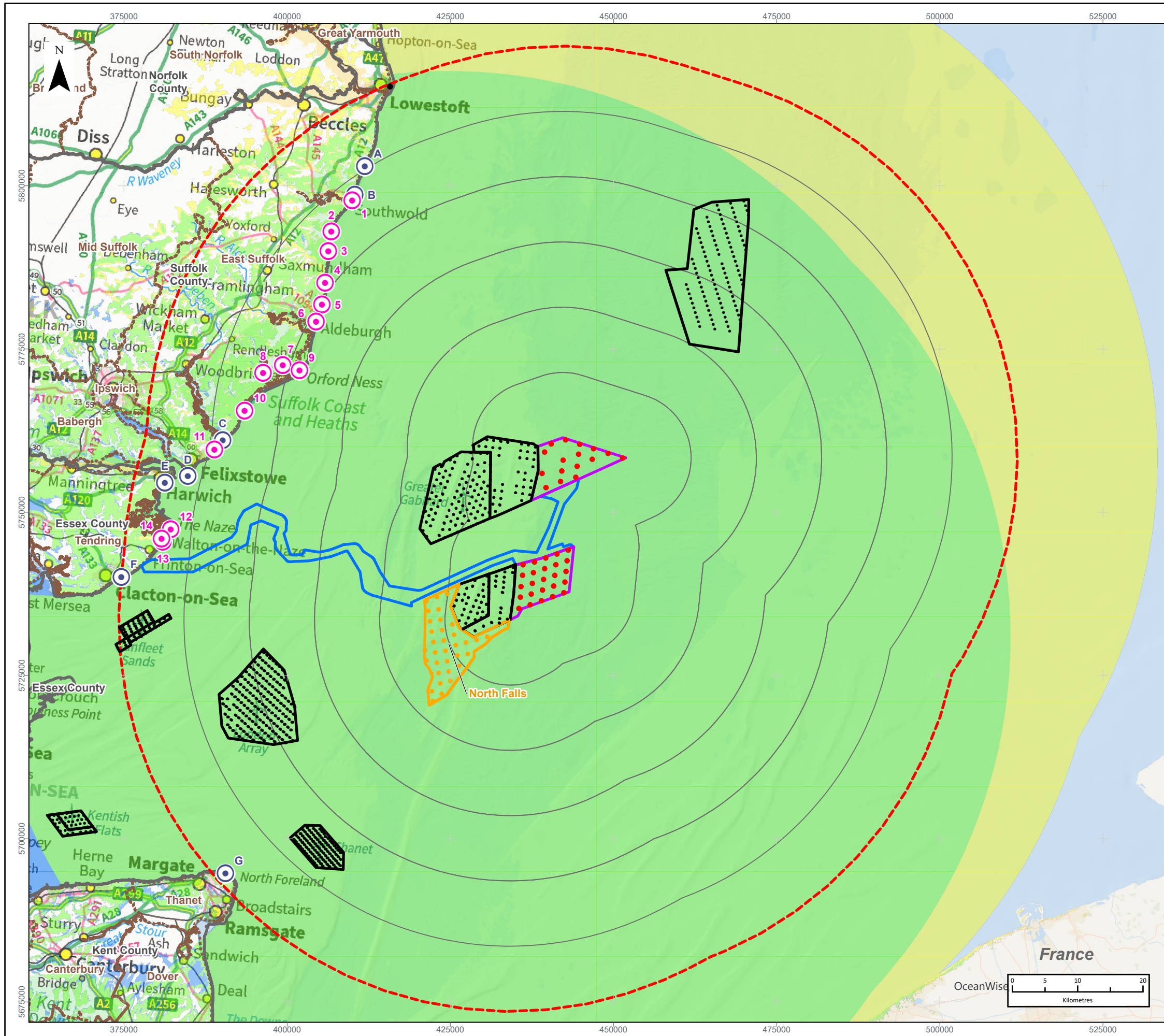
DRAWING TITLE:
 Cumulative ZTV - Five Estuaries with
 Tier 1 (consented) OWF

VER	DATE	REMARKS	Drawn	Checked
1	12/02/2024	For Issue	RA	SM

DRAWING NUMBER:
 10.24

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





LEGEND

- Indicative Turbines
- ▭ Array Areas
- ▭ Offshore Export Cable Corridor
- 10km Radii
- ▭ 60km Study Area
- ⊙ Illustrative Viewpoint
- Viewpoint
- ▭ District Boundary
- ▭ County Boundary

Wind Farm Development Status:

- ▭ Operational
- ▭ Pre-Application

Cumulative ZTV*

- ▭ Five Estuaries Theoretical Visibility
- ▭ North Falls Theoretical Visibility
- ▭ Five Estuaries and North Falls Combined Theoretical Visibility

***ZTV Parameters**
 VE Blade Tip: 395m
 North Falls Blade Tip: 377m
 DTM: OS T5/T50/SRTM
 DTM Resolution: 10m
 Observer Height: 2m
 Surface Features: Excluded
 Earth Curvature: Included

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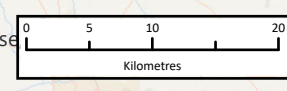
PROJECT TITLE:
 FIVE ESTUARIES OFFSHORE WINDFARM

DRAWING TITLE:
 Cumulative ZTV - Five Estuaries with North Falls OWF

VER	DATE	REMARKS	Drawn	Checked
1	12/02/2024	For Issue	RA	SM

DRAWING NUMBER:
 10.25

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





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