



NORTH FALLS

Offshore Wind Farm

ENVIRONMENTAL STATEMENT

Chapter 29 Figures (Part 3 of 6)

Document Reference:	3.2.25
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Date:	July 2024
Revision:	0

Project Reference: EN010119



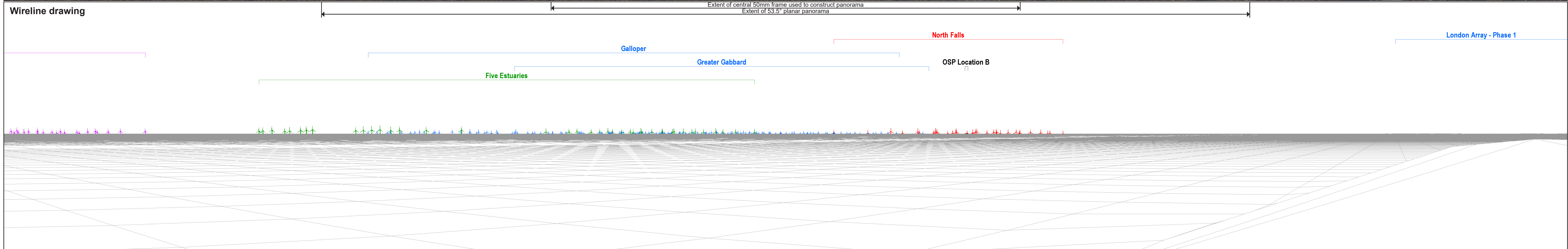
NORTH FALLS

Offshore Wind Farm

Project	North Falls Offshore Wind Farm
Document Title	Environmental Statement Chapter 29 Figures
Document Reference	3.2.25
APFP Regulation	5(2)(a)
Supplier	Royal HaskoningDHV
Supplier Document ID	PB9244-RHD-ES-OF-RP-OF-0213

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Revision	Date	Status/Reason for Issue	Originator	Checked	Approved
0	July 2024	Submission	RHDHV	NFOW	NFOW



OS reference: 647580E 260335N
AOD: 10 m
Direction of view: 145°
Nearest turbine: 48.54 km

Horizontal field of view: 90° (cylindrical projection)
Principal distance: 522 mm
Paper size: 841 x 297 mm (half A1)
Correct printed image size: 820 x 260 mm

Camera: NIKON D750
Lens: 50mm Fixed Focal Length
Camera height: 1.5 m

Photography Date: 17/03/2022
Photography Time: 15:25

Wind Farm Developments key
(by status):

Proposed scheme
Operational
Consented
Scoping

Notes: Certain cumulative offshore wind farm data has been sourced from publicly accessible locations including project scoping/ environmental report plans and from the open infrastructure website. Layouts are approximate, and any discernible slight discrepancies between cumulative wirelines and baseline photography are not sufficient to alter the reliability of the images or result in material changes.

North Falls
Figure: 29.2.5b
Viewpoint 5: Cliffs above Thorpeness

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1 5 34 11 33 10 31 32 4 9 12 30 8 3 26 29 13 7 2 25 28 6 19 22 24 27 18 17 21 23 20 16 14 15



Wireline drawing

View flat at a comfortable arm's length

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OS reference: 647580E 260335N
AOD: 10 m
Direction of view: 145°
Nearest turbine: 48.54 km
Horizontal field of view: 53.5° (planar projection)
Principal distance: 812.5 mm
Paper size: 841 x 297 mm (half A1)
Correct printed image size: 820 x 260 mm

Wind Farm Developments key
(by status):
Proposed scheme
Operational
Consented
Scoping

North Falls
Figure: 29.2.5c
Viewpoint 5: Cliffs above Thorpeness



Photomontage

View flat at a comfortable arm's length



OS reference: 647580E 260335N
AOD: 10 m
Direction of view: 145°
Nearest turbine: 48.54 km

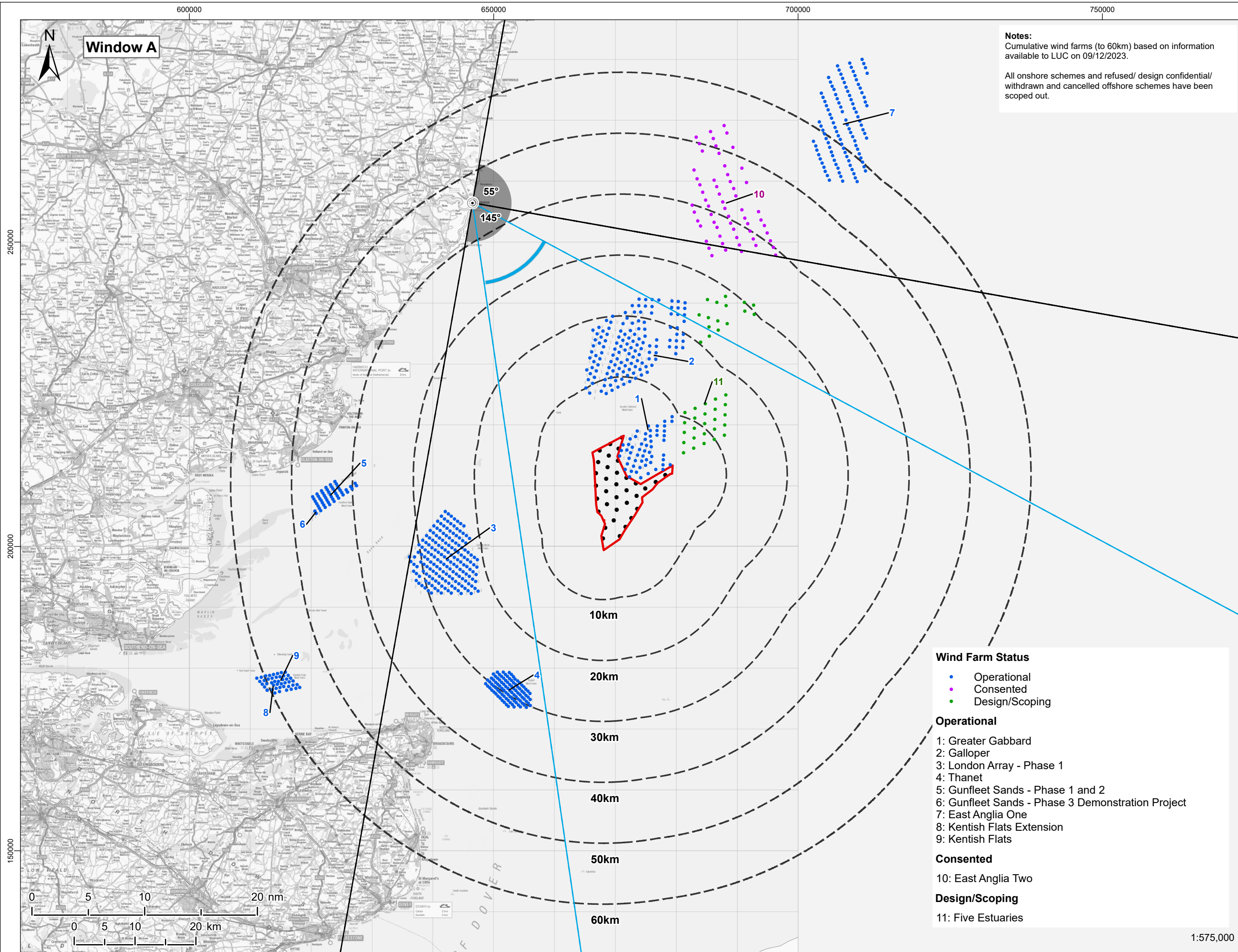
Horizontal field of view: 53.5° (planar projection)
Principal distance: 812.5 mm
Paper size: 841 x 297 mm (half A1)
Correct printed image size: 820 x 260 mm

Camera: NIKON D750
Lens: 50mm Fixed Focal Length
Camera height: 1.5 m

Photography Date: 17/03/2022
Photography Time: 15:25

North Falls

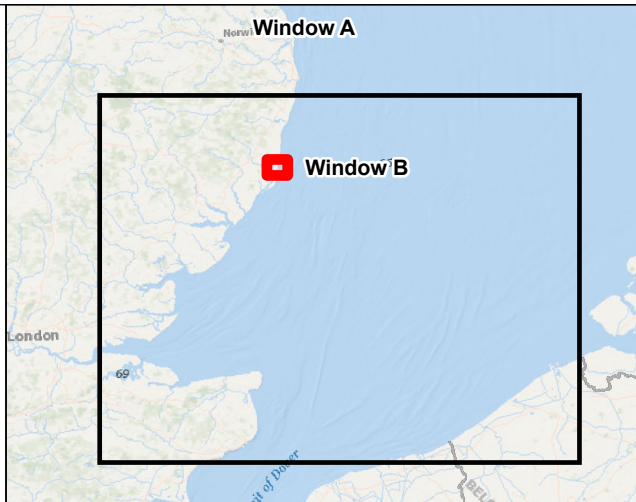
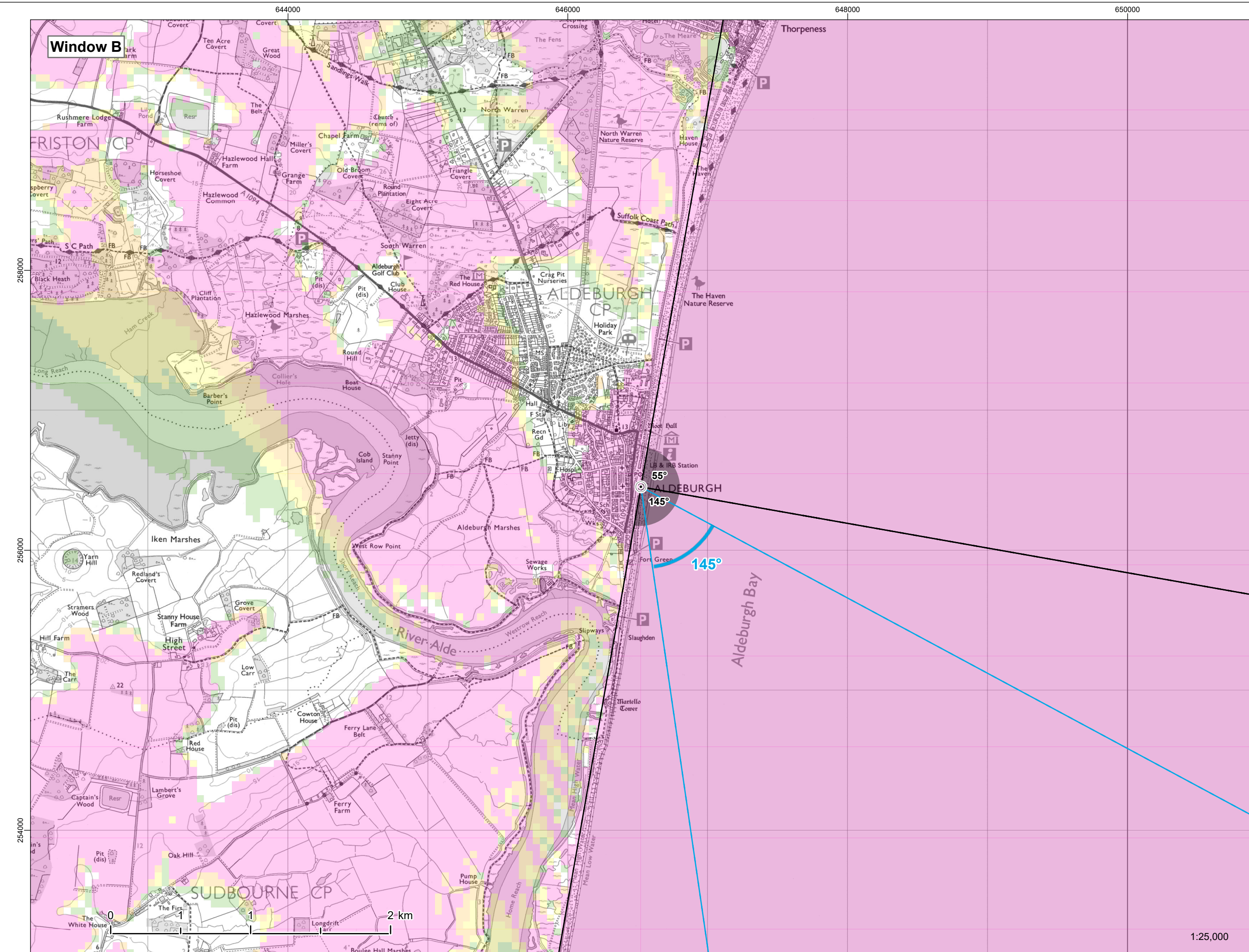
Figure: 29.2.5d
Viewpoint 5: Cliffs above Thorpeness



Notes:
 Cumulative wind farms (to 60km) based on information available to LUC on 09/12/2023.
 All onshore schemes and refused/ design confidential/ withdrawn and cancelled offshore schemes have been scoped out.

- Wind Farm Status**
- Operational
 - Consented
 - Design/Scoping
- Operational**
- 1: Greater Gabbard
 - 2: Galloper
 - 3: London Array - Phase 1
 - 4: Thanet
 - 5: Gunfleet Sands - Phase 1 and 2
 - 6: Gunfleet Sands - Phase 3 Demonstration Project
 - 7: East Anglia One
 - 8: Kentish Flats Extension
 - 9: Kentish Flats
- Consented**
- 10: East Anglia Two
- Design/Scoping**
- 11: Five Estuaries

1:575,000



- Legend**
- ▭ North Falls Array Area
 - Turbine (indicative layout)
 - Turbine buffers - 10km intervals
 - Viewpoint
- Background ZTV to Tip (381.39m)**
- 1 - 10 Turbines visible
 - 11 - 20 Turbines visible
 - 21 - 30 Turbines visible
 - 31 - 34 Turbines visible
 - ∠ 53.5° Field of View
 - ∠ 90° Field of View

Notes:
 The ZTV is calculated to turbine tip height (381.39m) from a viewing height of 2m above ground level.

The terrain model assumes bare ground and is derived from OS Terrain 50 height data (obtained from Ordnance Survey in 2022). Earth curvature and atmospheric refraction have been taken into account. The ZTV was calculated using ArcGIS Pro 3.1.0 software

Data Source: OS, LUC, RHDHV
 Basemap Sources: OS, Esri, GEBCO, NOAA, National Geographic, Garmin, HERE, Geonames.org, and other contributors

Drawing Title
Viewpoint 6 - Aldeburgh

Rev	Date	Remarks	Drwn	Chkd
01	13/03/2024	First Issue	RW	JN

Drawing Number
PB9244-LUC-ZZ-OF-DR-GS-0027

Figure Number
29.2.6

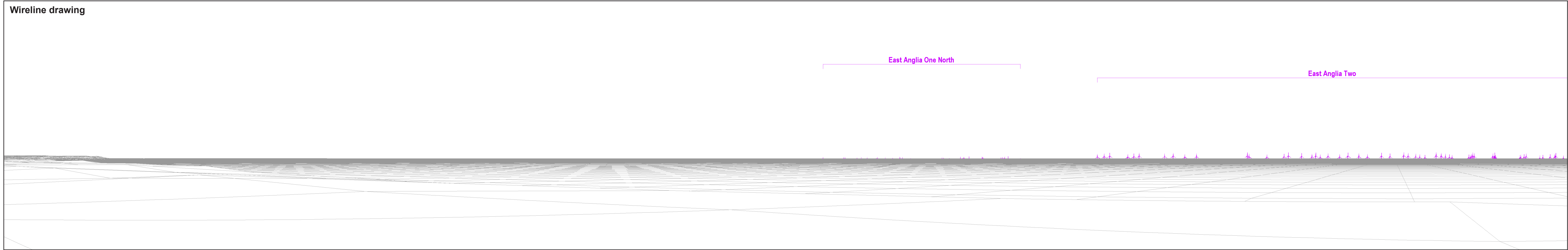
Scale: Plot Size Double Width A3 Datum OSGB36 Projection BNG





Baseline photograph

This image provides landscape and visual context only



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OS reference: 646522E 256453N
 AOD: 5 m
 Direction of view: 55°
 Nearest turbine: 45.65 km

Horizontal field of view: 90° (cylindrical projection)
 Principal distance: 522 mm
 Paper size: 841 x 297 mm (half A1)
 Correct printed image size: 820 x 260 mm

Camera: NIKON D750
 Lens: 50mm Fixed Focal Length
 Camera height: 1.5 m

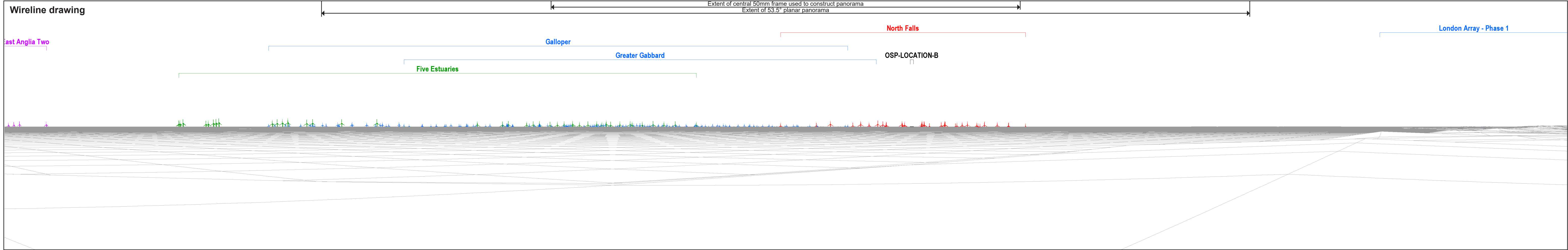
Photography Date: 17/03/2022
 Photography Time: 16:00

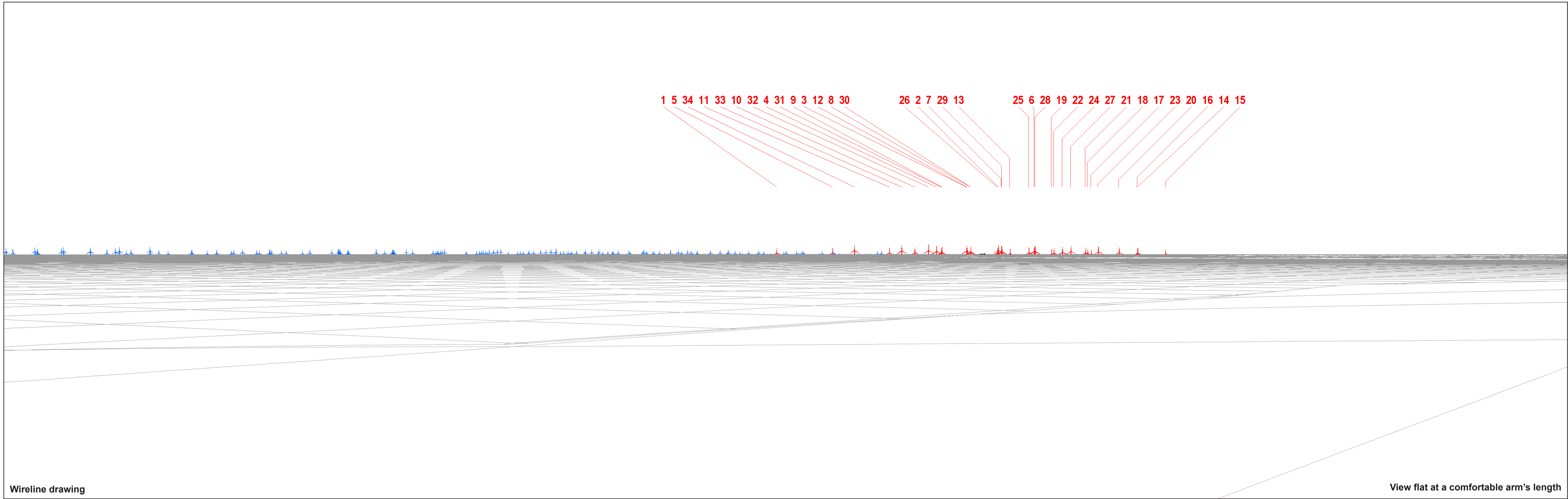
Wind Farm Developments key
 (by status):

Proposed scheme
 Operational
 Consented
 Scoping

Notes: Certain cumulative offshore wind farm data has been sourced from publicly accessible locations including project scoping/ environmental report plans and from the open infrastructure website. Layouts are approximate, and any discernible slight discrepancies between cumulative wirelines and baseline photography are not sufficient to alter the reliability of the images or result in material changes.

North Falls
Figure: 29.2.6a
 Viewpoint 6: Aldeburgh





1 5 34 11 33 10 32 4 31 9 3 12 8 30

26 2 7 29 13

25 6 28 19 22 24 27 21 18 17 23 20 16 14 15

Wireline drawing

View flat at a comfortable arm's length

OS reference: 646522E 256453N
 AOD: 5 m
 Direction of view: 145°
 Nearest turbine: 45.65 km

Horizontal field of view: 53.5° (planar projection)
 Principal distance: 812.5 mm
 Paper size: 841 x 297 mm (half A1)
 Correct printed image size: 820 x 260 mm

Wind Farm Developments key
 (by status):

- Proposed scheme
- Operational
- Consented
- Scoping

North Falls
 Figure: 29.2.6c
 Viewpoint 6: Aldeburgh



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Photomontage

View flat at a comfortable arm's length



OS reference: 646522E 256453N
AOD: 5 m
Direction of view: 145°
Nearest turbine: 45.65 km

Horizontal field of view: 53.5° (planar projection)
Principal distance: 812.5 mm
Paper size: 841 x 297 mm (half A1)
Correct printed image size: 820 x 260 mm

Camera: NIKON D750
Lens: 50mm Fixed Focal Length
Camera height: 1.5 m

Photography Date: 17/03/2022
Photography Time: 16:00

North Falls
Figure: 29.2.6d
Viewpoint 6: Aldeburgh



Photomontage - 2000 Candela Aviation Hub lighting

View flat at a comfortable arm's length



OS reference: 646522E 256453N
AOD: 5 m
Direction of view: 145°
Nearest turbine: 25.5 km

Horizontal field of view: 53.5° (planar projection)
Principal distance: 812.5 mm
Paper size: 841 x 297 mm (half A1)
Correct printed image size: 820 x 260 mm

Camera: NIKON D750
Lens: 50mm Fixed Focal Length
Camera height: 1.5 m

Photography Date: 17/03/2022
Photography Time: 18:35



Photomontage - 200 Candela Aviation Hub lighting

View flat at a comfortable arm's length



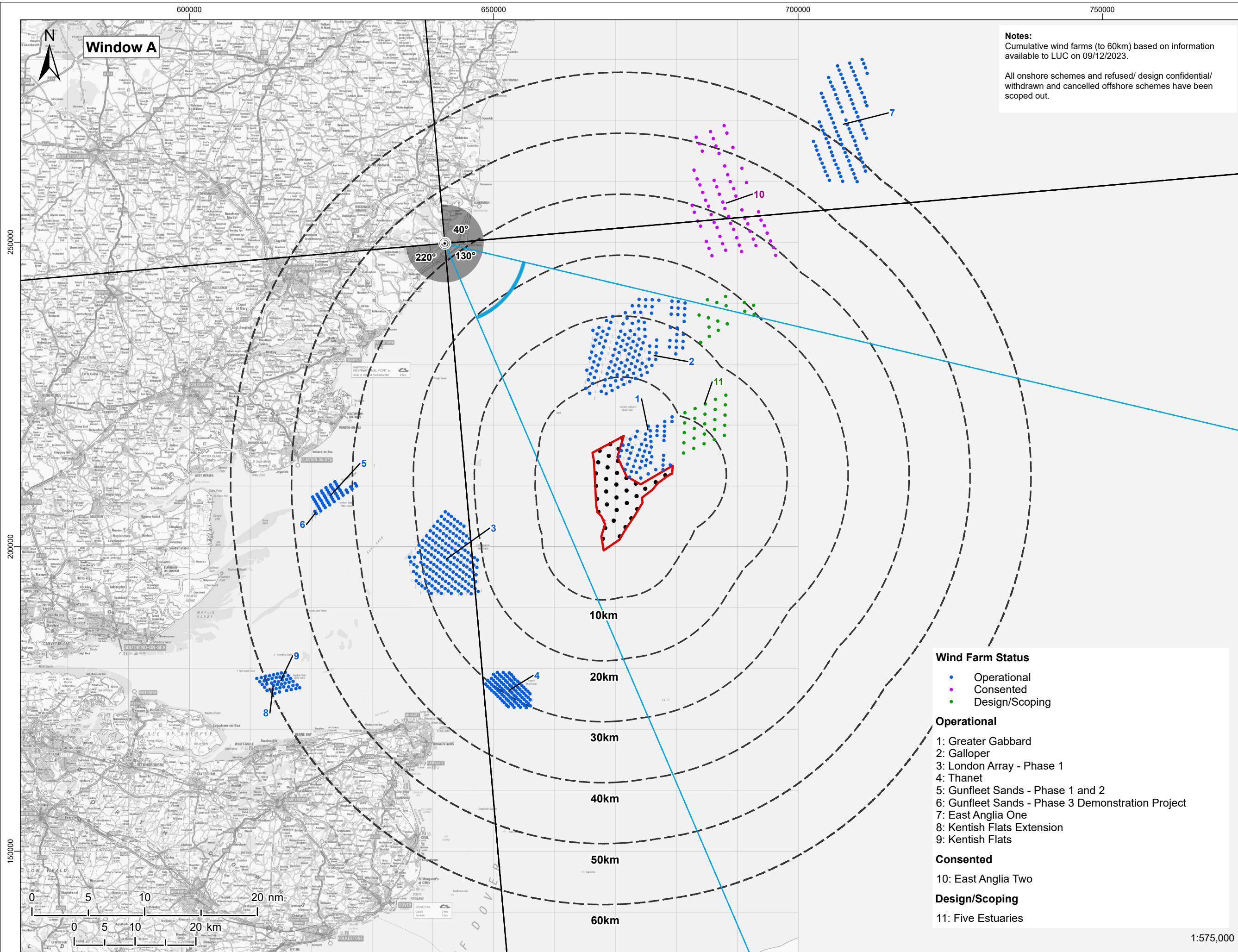
OS reference: 646522E 256453N
AOD: 5 m
Direction of view: 145°
Nearest turbine: 25.5 km

Horizontal field of view: 53.5° (planar projection)
Principal distance: 812.5 mm
Paper size: 841 x 297 mm (half A1)
Correct printed image size: 820 x 260 mm

Camera: NIKON D750
Lens: 50mm Fixed Focal Length
Camera height: 1.5 m

Photography Date: 17/03/2022
Photography Time: 18:35

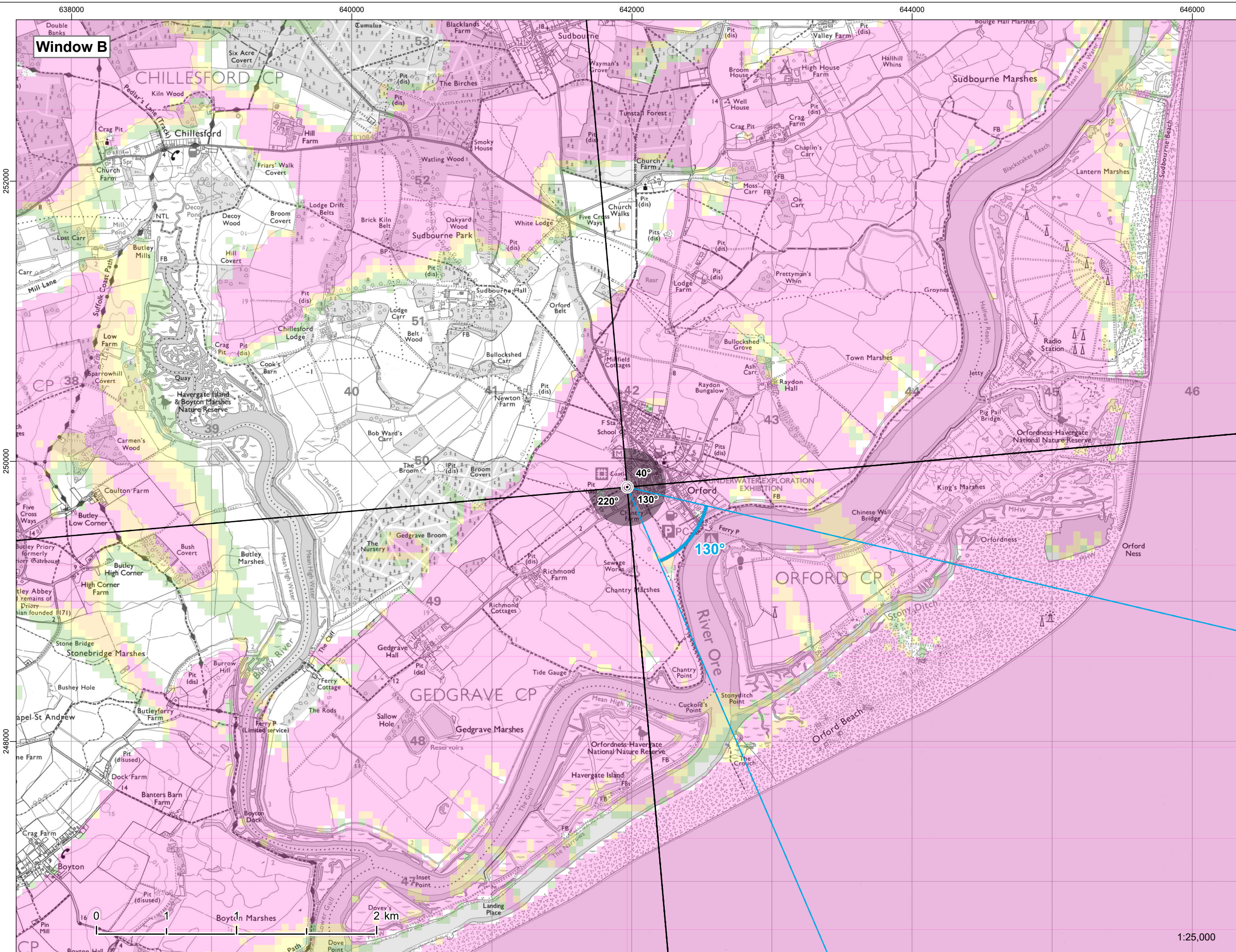
North Falls
Figure: 29.2.6f
Viewpoint 6: Aldeburgh



Notes:
 Cumulative wind farms (to 60km) based on information available to LUC on 09/12/2023.
 All onshore schemes and refused/ design confidential/ withdrawn and cancelled offshore schemes have been scoped out.

- Wind Farm Status**
- Operational
 - Consented
 - Design/Scoping
- Operational**
- 1: Greater Gabbard
 - 2: Galloper
 - 3: London Array - Phase 1
 - 4: Thanet
 - 5: Gunfleet Sands - Phase 1 and 2
 - 6: Gunfleet Sands - Phase 3 Demonstration Project
 - 7: East Anglia One
 - 8: Kentish Flats Extension
 - 9: Kentish Flats
- Consented**
- 10: East Anglia Two
- Design/Scoping**
- 11: Five Estuaries

1:575,000



- Legend**
- ▭ North Falls Array Area
 - Turbine (indicative layout)
 - Turbine buffers - 10km intervals
 - ⊙ Viewpoint
- Bareground ZTV to Tip (381.39m)**
- 1 - 10 Turbines visible
 - 11 - 20 Turbines visible
 - 21 - 30 Turbines visible
 - 31 - 34 Turbines visible
- ∠ 53.5° Field of View
 - ∠ 90° Field of View

Notes:
 The ZTV is calculated to turbine tip height (381.39m) from a viewing height of 2m above ground level.

The terrain model assumes bare ground and is derived from OS Terrain 50 height data (obtained from Ordnance Survey in 2022). Earth curvature and atmospheric refraction have been taken into account. The ZTV was calculated using ArcGIS Pro 3.1.0 software

Data Source: OS, LUC, RHDHV
 Basemap Sources: OS, Esri, GEBCO, NOAA, National Geographic, Garmin, HERE, Geonames.org, and other contributors

Drawing Title
Viewpoint 7 - Orford Castle

Rev	Date	Remarks	Drwn	Chkd
01	13/03/2024	First Issue	RW	JN

Drawing Number
PB9244-LUC-ZZ-OF-DR-GS-0028

Figure Number
29.2.7

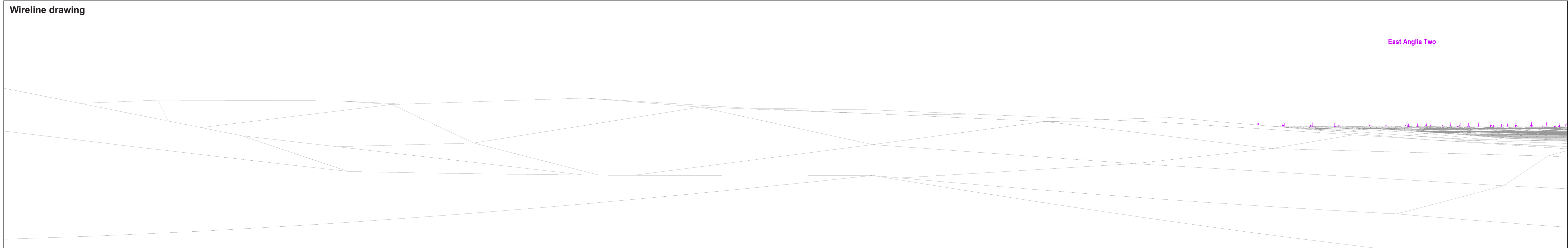
Scale: Plot Size Double Width A3, Datum OSGB36, Projection BNG





Baseline photograph

This image provides landscape and visual context only



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OS reference: 641966E 249816N
 AOD: 9 m
 Direction of view: 40°
 Nearest turbine: 42.5 km

Horizontal field of view: 90° (cylindrical projection)
 Principal distance: 522 mm
 Paper size: 841 x 297 mm (half A1)
 Correct printed image size: 820 x 260 mm

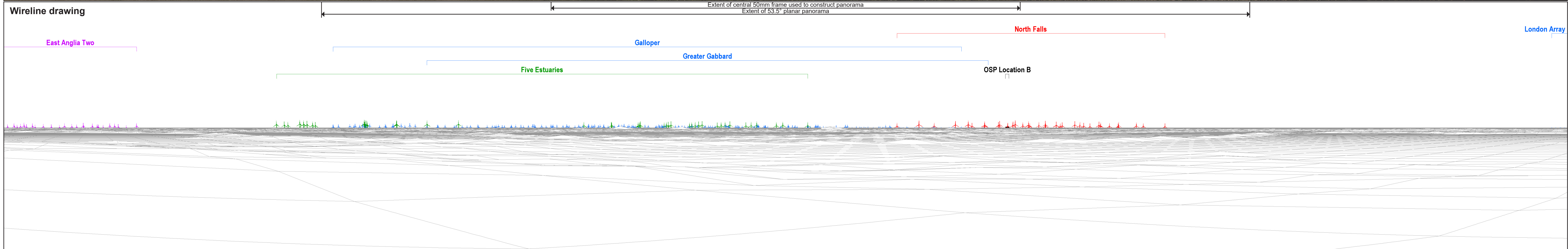
Camera: NIKON D750
 Lens: 50mm Fixed Focal Length
 Camera height: 1.5 m

Photography Date: 08/07/2022
 Photography Time: 13:50

Wind Farm Developments key
 (by status):

Proposed scheme
 Operational
 Consented
 Scoping

Notes: Certain cumulative offshore wind farm data has been sourced from publicly accessible locations including project scoping/ environmental report plans and from the open infrastructure website. Layouts are approximate, and any discernible slight discrepancies between cumulative wirelines and baseline photography are not sufficient to alter the reliability of the images or result in material changes.



OS reference: 641966E 249816N
AOD: 9 m
Direction of view: 130°
Nearest turbine: 42.5 km

Horizontal field of view: 90° (cylindrical projection)
Principal distance: 522 mm
Paper size: 841 x 297 mm (half A1)
Correct printed image size: 820 x 260 mm

Camera: NIKON D750
Lens: 50mm Fixed Focal Length
Camera height: 1.5 m

Photography Date: 08/07/2022
Photography Time: 13:50

Wind Farm Developments key
(by status):

Proposed scheme
Operational
Consented
Scoping

Notes: Certain cumulative offshore wind farm data has been sourced from publicly accessible locations including project scoping/ environmental report plans and from the open infrastructure website. Layouts are approximate, and any discernible slight discrepancies between cumulative wirelines and baseline photography are not sufficient to alter the reliability of the images or result in material changes.

North Falls
Figure: 29.2.7b
Viewpoint 7: Orford Castle

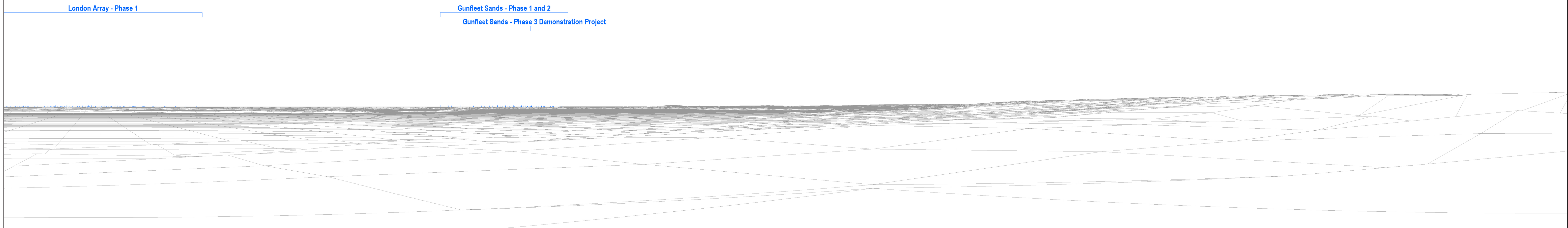
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Baseline photograph

This image provides landscape and visual context only

Wireline drawing



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OS reference: 641966E 249816N
 AOD: 9 m
 Direction of view: 220°
 Nearest turbine: 42.5 km

Horizontal field of view: 90° (cylindrical projection)
 Principal distance: 522 mm
 Paper size: 841 x 297 mm (half A1)
 Correct printed image size: 820 x 260 mm

Camera: NIKON D750
 Lens: 50mm Fixed Focal Length
 Camera height: 1.5 m

Photography Date: 08/07/2022
 Photography Time: 13:50

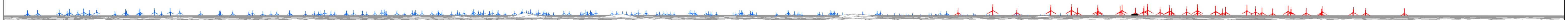
Wind Farm Developments key
 (by status):

Proposed scheme
 Operational
 Consented
 Scoping

Notes: Certain cumulative offshore wind farm data has been sourced from publicly accessible locations including project scoping/ environmental report plans and from the open infrastructure website. Layouts are approximate, and any discernible slight discrepancies between cumulative wirelines and baseline photography are not sufficient to alter the reliability of the images or result in material changes.

North Falls
Figure: 29.2.7c
 Viewpoint 7: Orford Castle

1 34 5 33 32 11 4 10 9 3 31 8 2 30 7 12 29 6 26 28 13 25 27 24 22 19 23 21 18 17 20 14 16 15



Wireline drawing

View flat at a comfortable arm's length

OS reference: 641966E 249816N
AOD: 9 m
Direction of view: 130°
Nearest turbine: 42.5 km
Horizontal field of view: 53.5° (planar projection)
Principal distance: 812.5 mm
Paper size: 841 x 297 mm (half A1)
Correct printed image size: 820 x 260 mm

Wind Farm Developments key
(by status):
Proposed scheme
Operational
Consented
Scoping

North Falls
Figure: 29.2.7d
Viewpoint 7: Orford Castle

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Photomontage

View flat at a comfortable arm's length



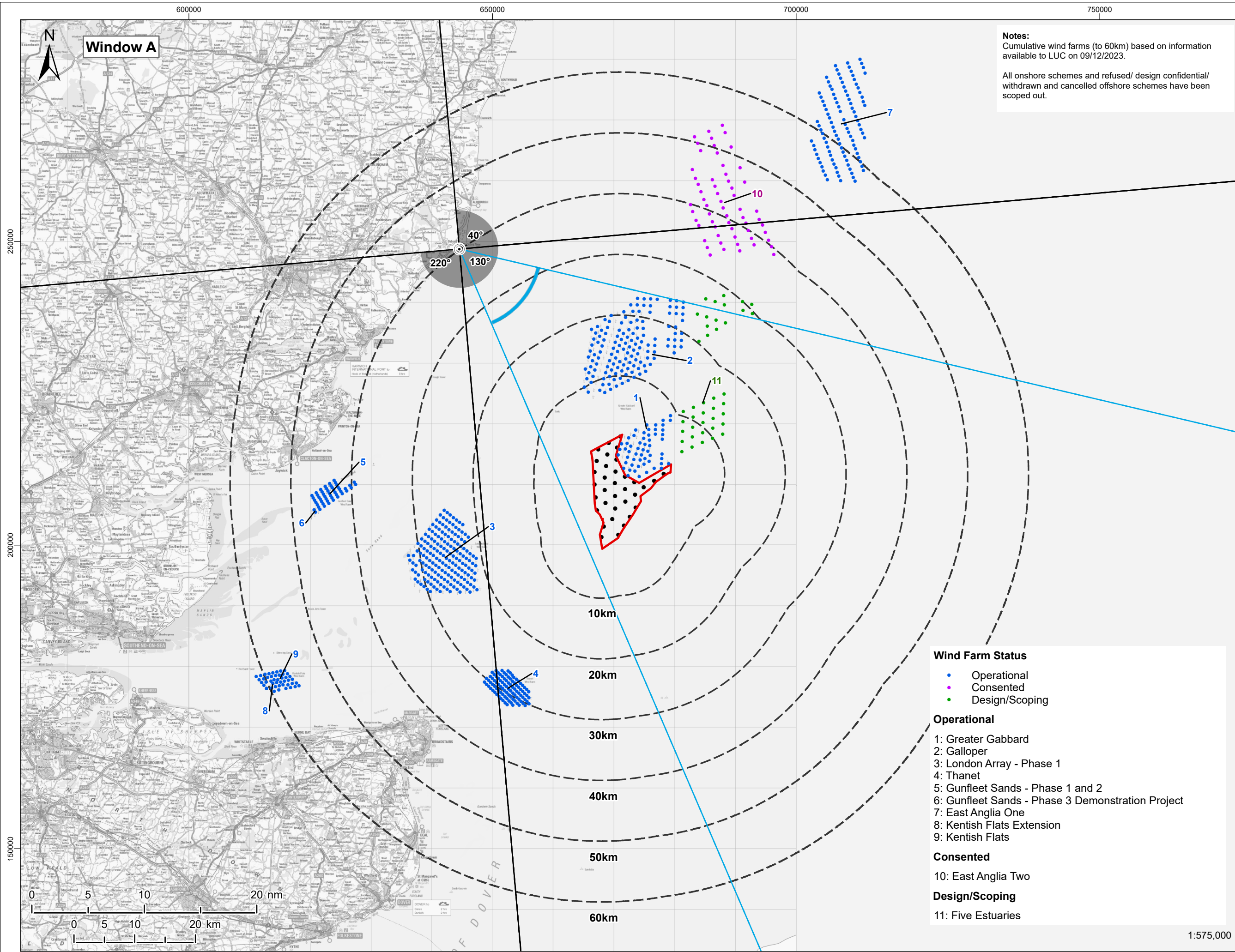
OS reference: 641966E 249816N
AOD: 9 m
Direction of view: 130°
Nearest turbine: 42.5 km

Horizontal field of view: 53.5° (planar projection)
Principal distance: 812.5 mm
Paper size: 841 x 297 mm (half A1)
Correct printed image size: 820 x 260 mm

Camera: NIKON D750
Lens: 50mm Fixed Focal Length
Camera height: 1.5 m

Photography Date: 08/07/2022
Photography Time: 13:50

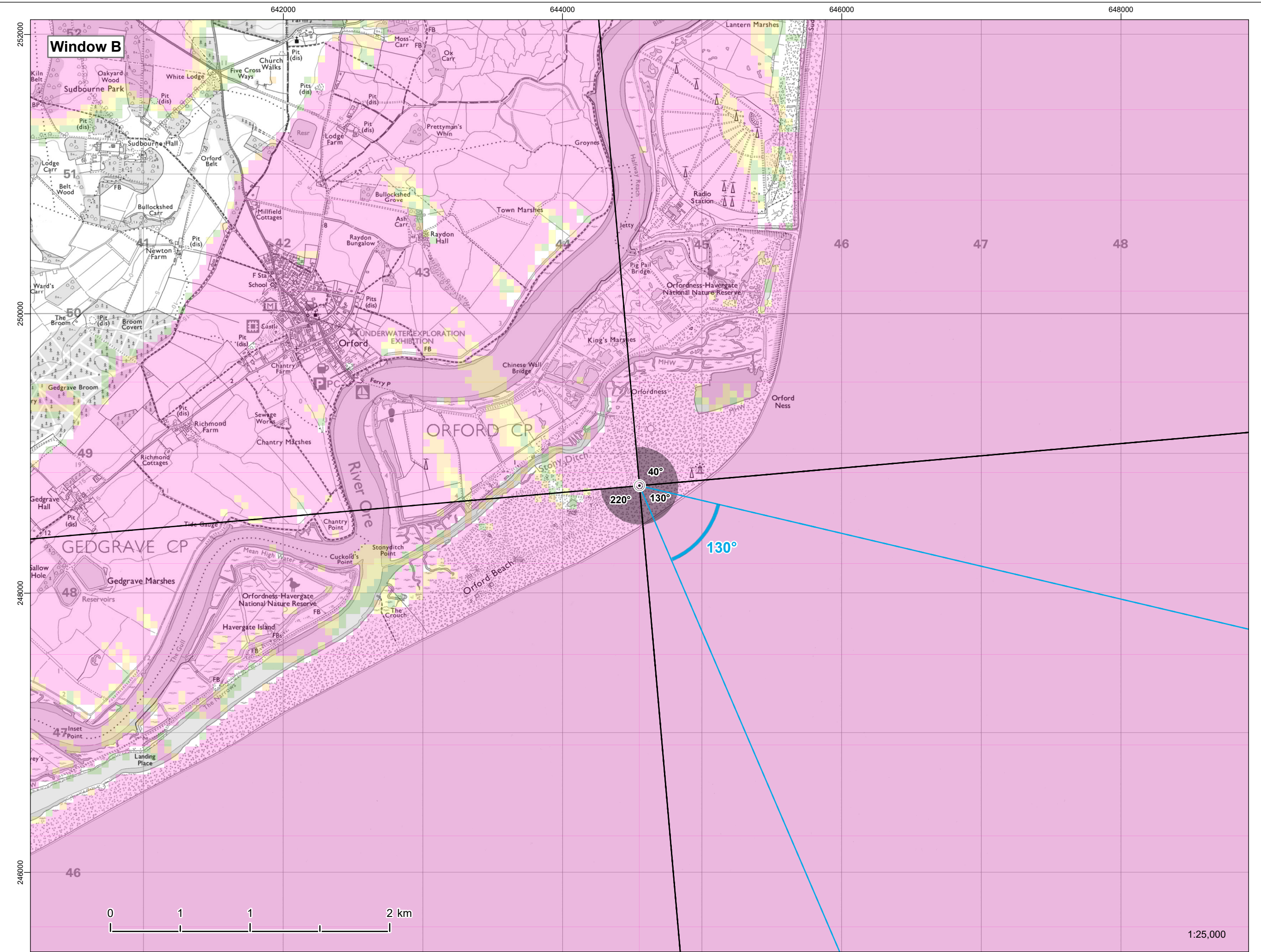
North Falls
Figure: 29.2.7e
Viewpoint 7: Orford Castle



Notes:
 Cumulative wind farms (to 60km) based on information available to LUC on 09/12/2023.
 All onshore schemes and refused/ design confidential/ withdrawn and cancelled offshore schemes have been scoped out.

- Wind Farm Status**
- Operational
 - Consented
 - Design/Scoping
- Operational**
- 1: Greater Gabbard
 - 2: Galloper
 - 3: London Array - Phase 1
 - 4: Thanet
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 - 6: Gunfleet Sands - Phase 3 Demonstration Project
 - 7: East Anglia One
 - 8: Kentish Flats Extension
 - 9: Kentish Flats
- Consented**
- 10: East Anglia Two
- Design/Scoping**
- 11: Five Estuaries

1:575,000



- Legend**
- North Falls Array Area
 - Turbine (indicative layout)
 - Turbine buffers - 10km intervals
 - Viewpoint
- Bareground ZTV to Tip (381.39m)**
- 1 - 10 Turbines visible
 - 11 - 20 Turbines visible
 - 21 - 30 Turbines visible
 - 31 - 34 Turbines visible
 - 53.5° Field of View
 - 90° Field of View

Notes:
 The ZTV is calculated to turbine tip height (381.39m) from a viewing height of 2m above ground level.

The terrain model assumes bare ground and is derived from OS Terrain 50 height data (obtained from Ordnance Survey in 2022). Earth curvature and atmospheric refraction have been taken into account. The ZTV was calculated using ArcGIS Pro 3.1.0 software

Data Source: OS, LUC, RHDHV
 Basemap Sources: OS, Esri, GEBCO, NOAA, National Geographic, Garmin, HERE, Geonames.org, and other contributors

Drawing Title
Viewpoint 8 - Orford Ness

Rev	Date	Remarks	Drwn	Chkd
01	13/03/2024	First Issue	RW	JN

Drawing Number
PB9244-LUC-ZZ-OF-DR-GS-0029

Figure Number
29.2.8

Scale: Plot Size Double Width A3, Datum OSGB36, Projection BNG





Baseline photograph

This image provides landscape and visual context only

Wireline drawing



OS reference: 644551E 248769N
 AOD: 4 m
 Direction of view: 40°
 Nearest turbine: 40.14 km

Horizontal field of view: 90° (cylindrical projection)
 Principal distance: 522 mm
 Paper size: 841 x 297 mm (half A1)
 Correct printed image size: 820 x 260 mm

Camera: NIKON D750
 Lens: 50mm Fixed Focal Length
 Camera height: 1.5 m

Photography Date: 09/07/2022
 Photography Time: 12:40

Wind Farm Developments key
 (by status):

Proposed scheme
 Operational
 Consented
 Scoping

Notes: Certain cumulative offshore wind farm data has been sourced from publicly accessible locations including project scoping/ environmental report plans and from the open infrastructure website. Layouts are approximate, and any discernible slight discrepancies between cumulative wirelines and baseline photography are not sufficient to alter the reliability of the images or result in material changes.

North Falls
 Figure: 29.2.8a
 Viewpoint 8: Orford Ness



NORTH FALLS

Offshore Wind Farm



RWE

HARNESSING THE POWER OF NORTH SEA WIND

North Falls Offshore Wind Farm Limited

A joint venture company owned equally by SSE Renewables and RWE.

To contact please email contact@northfallsoffshore.com

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Registered in England and Wales Company Number: 12435947

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