



NORTH FALLS

Offshore Wind Farm

ENVIRONMENTAL STATEMENT

Chapter 29 Figures (Part 4 of 6)

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APFP Regulation:	5(2)(a)
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

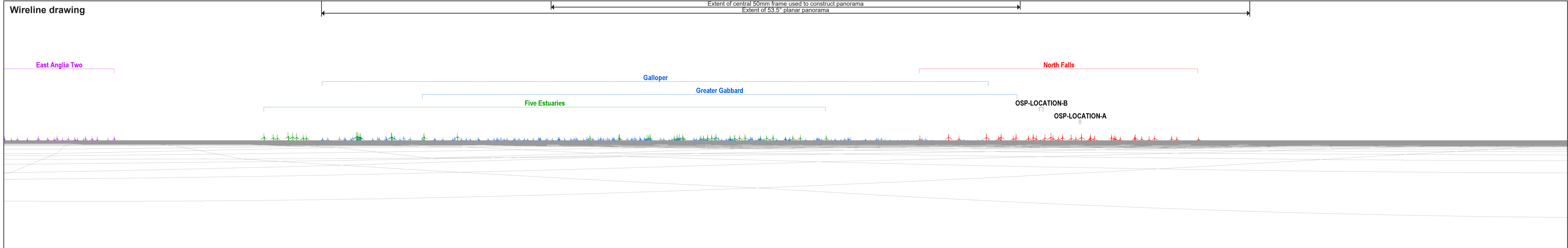
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Revision	Date	Status/Reason for Issue	Originator	Checked	Approved
0	July 2024	Submission	RHDHV	NFOW	NFOW



Baseline photograph

This image provides landscape and visual context only



Wireline drawing

Extent of central 50mm frame used to construct panorama
Extent of 53.5° planar panorama

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OS reference: 644551E 248769N
AOD: 4 m
Direction of view: 130°
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

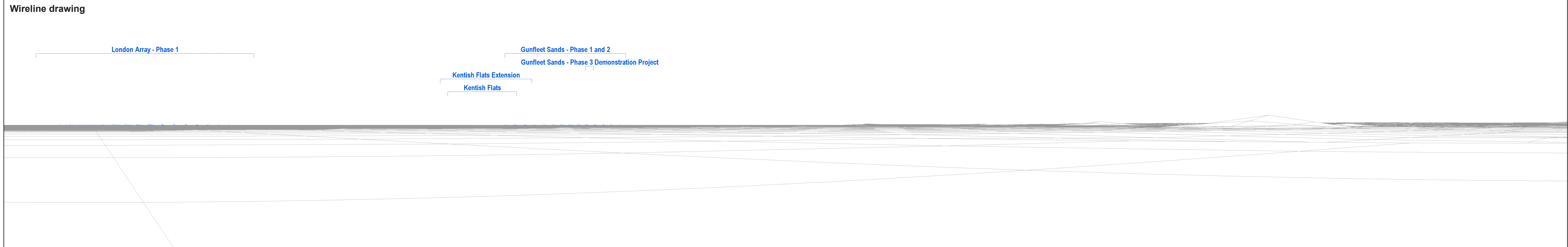
Photography Date: 09/07/2022
Photography Time: 12:40

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: 29.2.8b
Viewpoint 8: Orford Ness



OS reference: 644551E 248769N
 AOD: 4 m
 Direction of view: 220°
 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

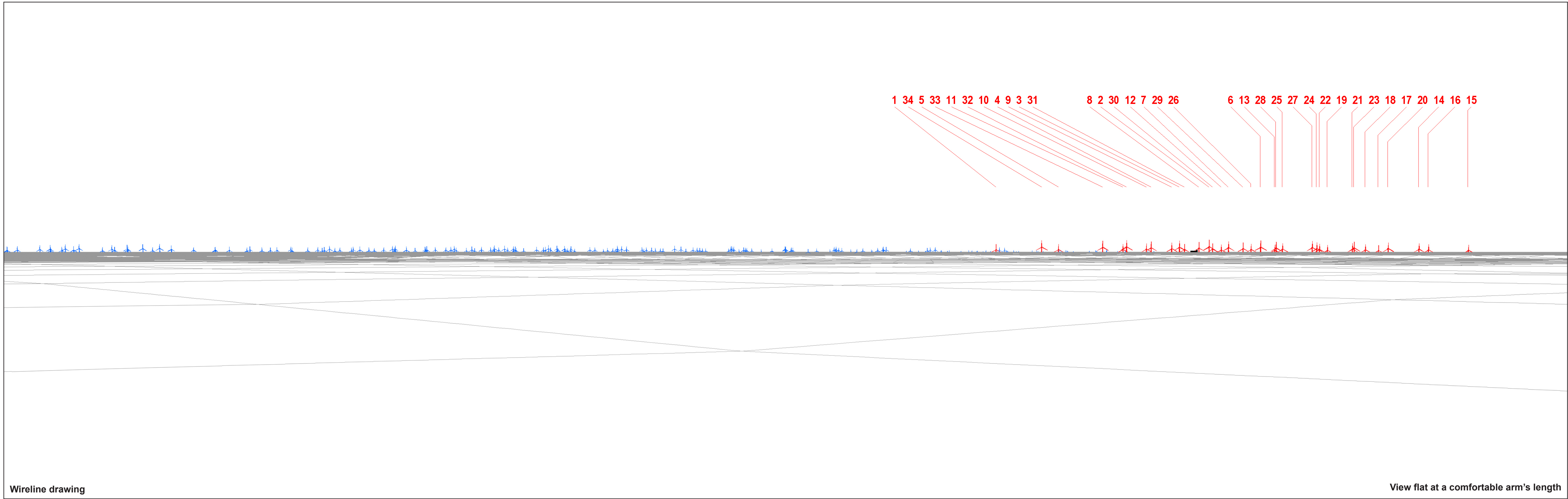
Camera: NIKON D750
 Lens: 50mm Fixed Focal Length
 Camera height: 1.5 m

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.



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

Wireline drawing

View flat at a comfortable arm's length

OS reference: 644551E 248769N Horizontal field of view: 53.5° (planar projection)
 AOD: 4 m Principal distance: 812.5 mm
 Direction of view: 130° Paper size: 841 x 297 mm (half A1)
 Nearest turbine: 40.14 km Correct printed image size: 820 x 260 mm

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

North Falls
 Figure: 29.2.8d
 Viewpoint 8: Orford Ness



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Photomontage

View flat at a comfortable arm's length



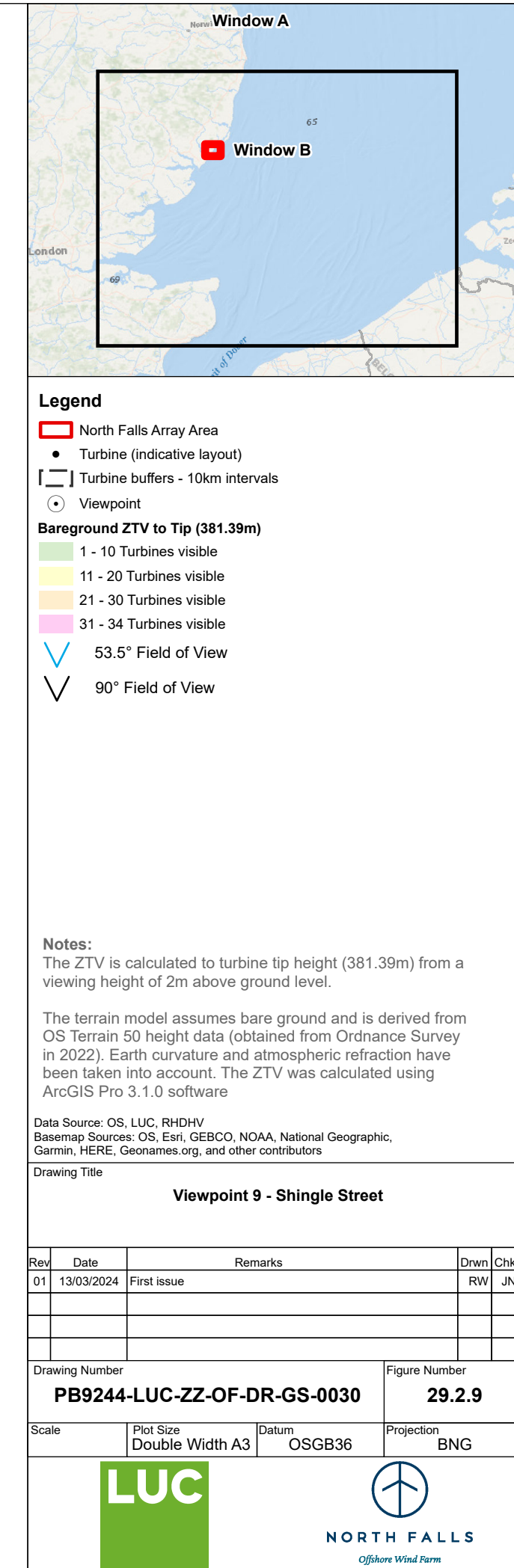
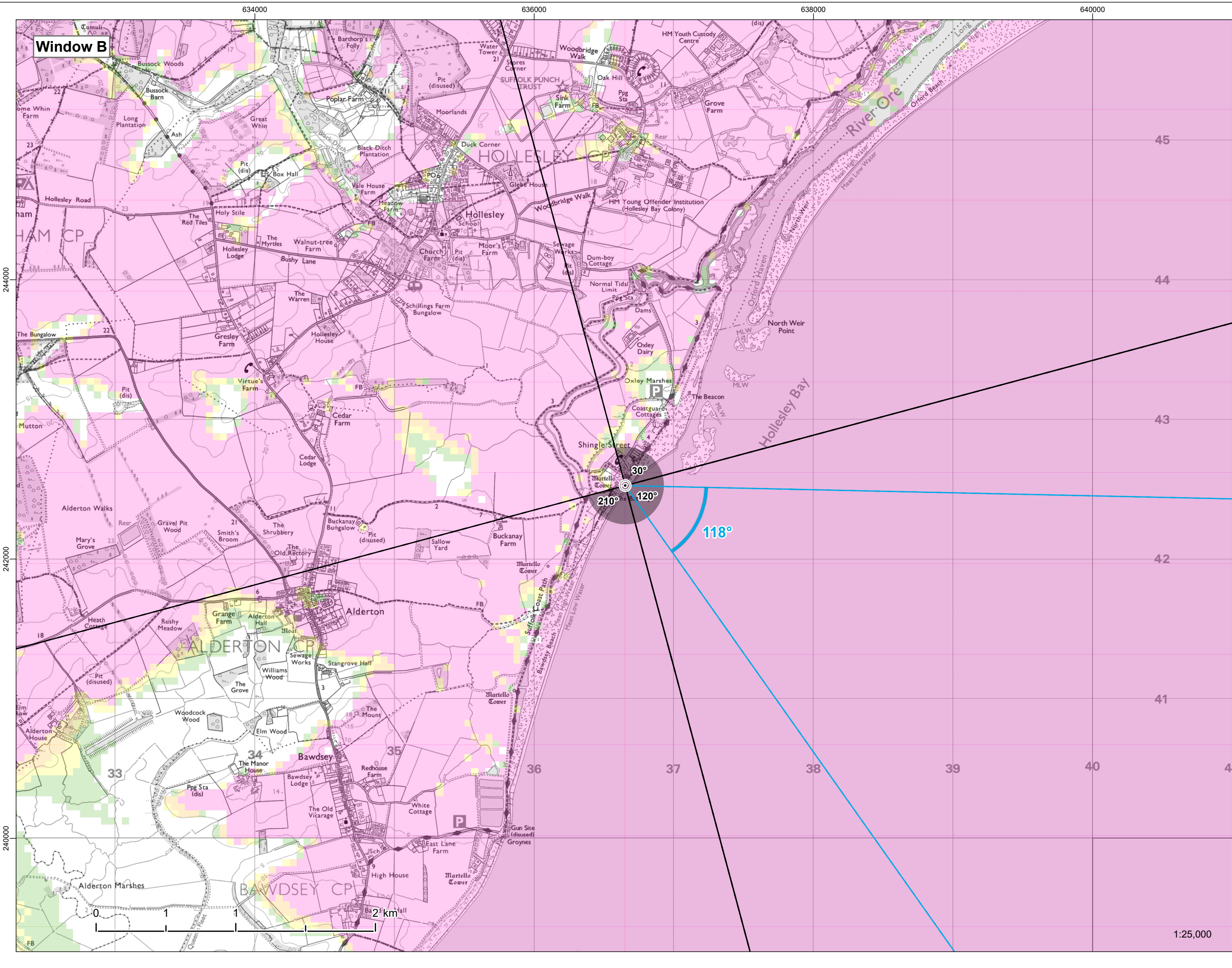
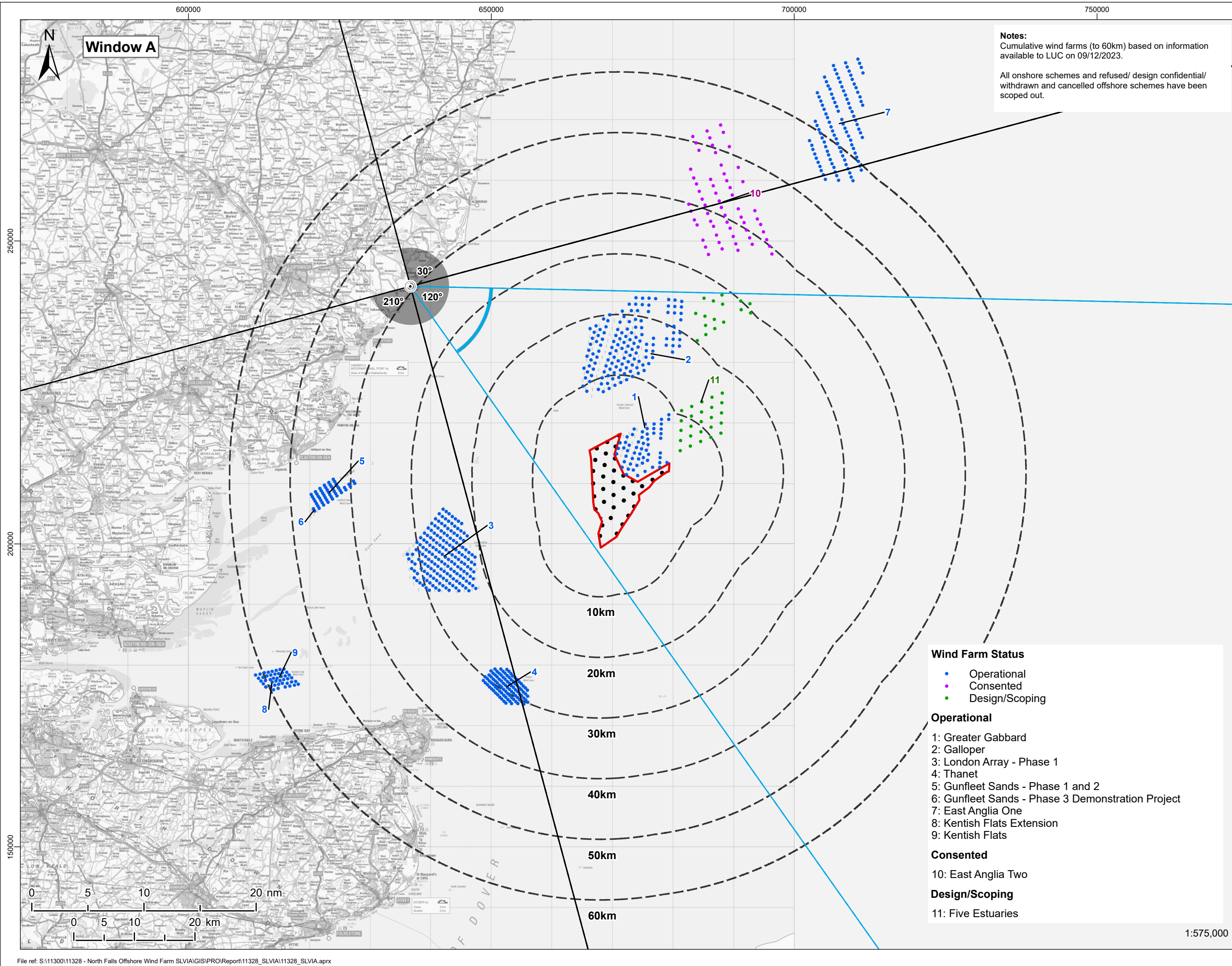
OS reference: 644551E 248769N
AOD: 4 m
Direction of view: 130°
Nearest turbine: 40.14 km

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

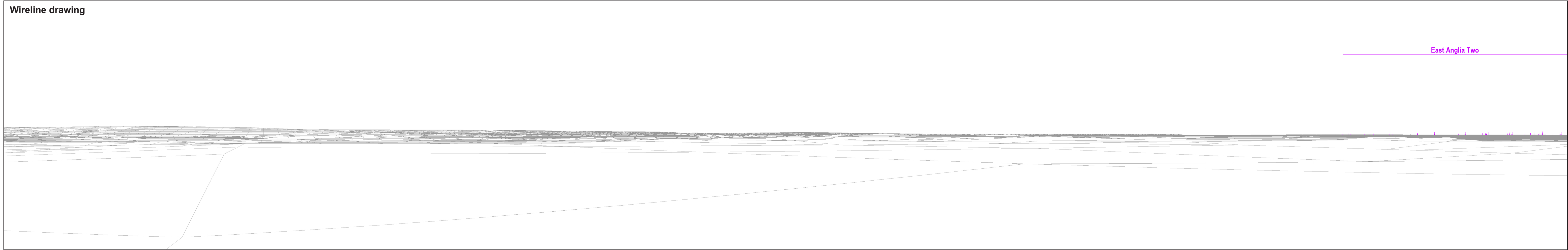
North Falls
Figure: 29.2.8e
Viewpoint 8: Orford Ness





Baseline photograph

This image provides landscape and visual context only



Wireline drawing

East Anglia Two

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OS reference: 636652E 242526N
 AOD: 4 m
 Direction of view: 30°
 Nearest turbine: 40.77 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: 22/11/2021
 Photography Time: 13:10

Wind Farm Developments key
 (by status):

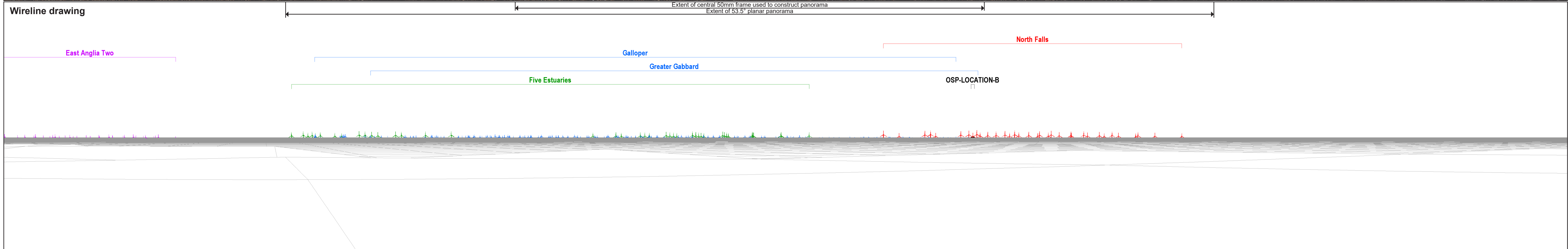
Proposed scheme
 Operational
 Consented
 Scoping

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.



Baseline photograph

This image provides landscape and visual context only



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OS reference: 636652E 242526N
 AOD: 4 m
 Direction of view: 120°
 Nearest turbine: 40.77 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: 22/11/2021
 Photography Time: 13:10

Wind Farm Developments key
 (by status):

Proposed scheme
 Operational
 Consented
 Scoping

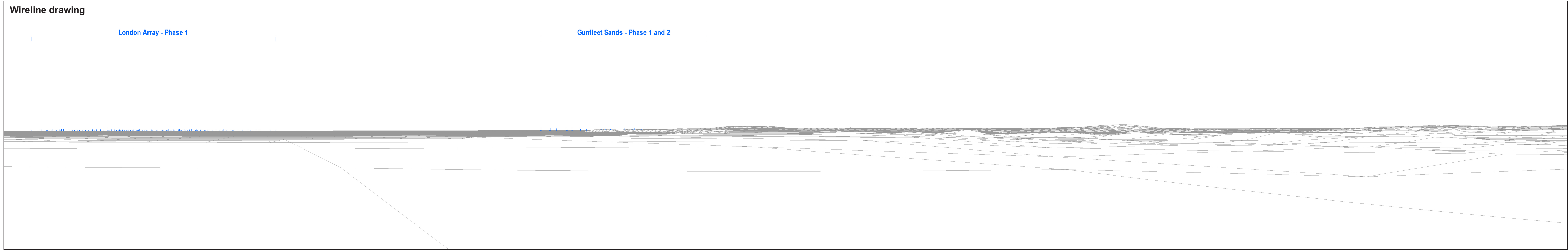
Notes: Certain cumulative offshore wind farm data has been sourced from publicly accessible locations including project scoping/ environmental report plans and from the open infrastructure website. Layouts are approximate, and any discernible slight discrepancies between cumulative wirelines and baseline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

North Falls
Figure: 29.2.9b
 Viewpoint 9: Shingle Street



Baseline photograph

This image provides landscape and visual context only



Wireline drawing

London Array - Phase 1

Gunfleet Sands - Phase 1 and 2

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OS reference: 636652E 242526N
 AOD: 4 m
 Direction of view: 210°
 Nearest turbine: 40.77 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

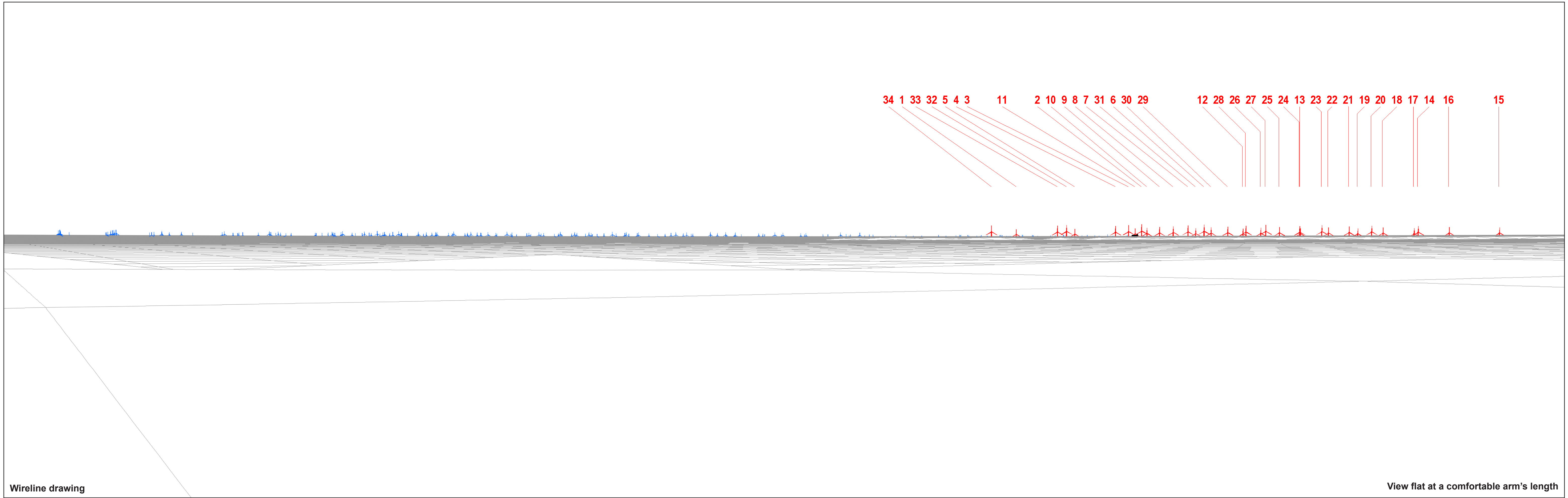
Photography Date: 22/11/2021
 Photography Time: 13:10

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.

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



Wireline drawing

View flat at a comfortable arm's length



OS reference: 636652E 242526N
AOD: 4 m
Direction of view: 118°
Nearest turbine: 40.77 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: 29.2.9d
Viewpoint 9: Shingle Street

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Photomontage

View flat at a comfortable arm's length



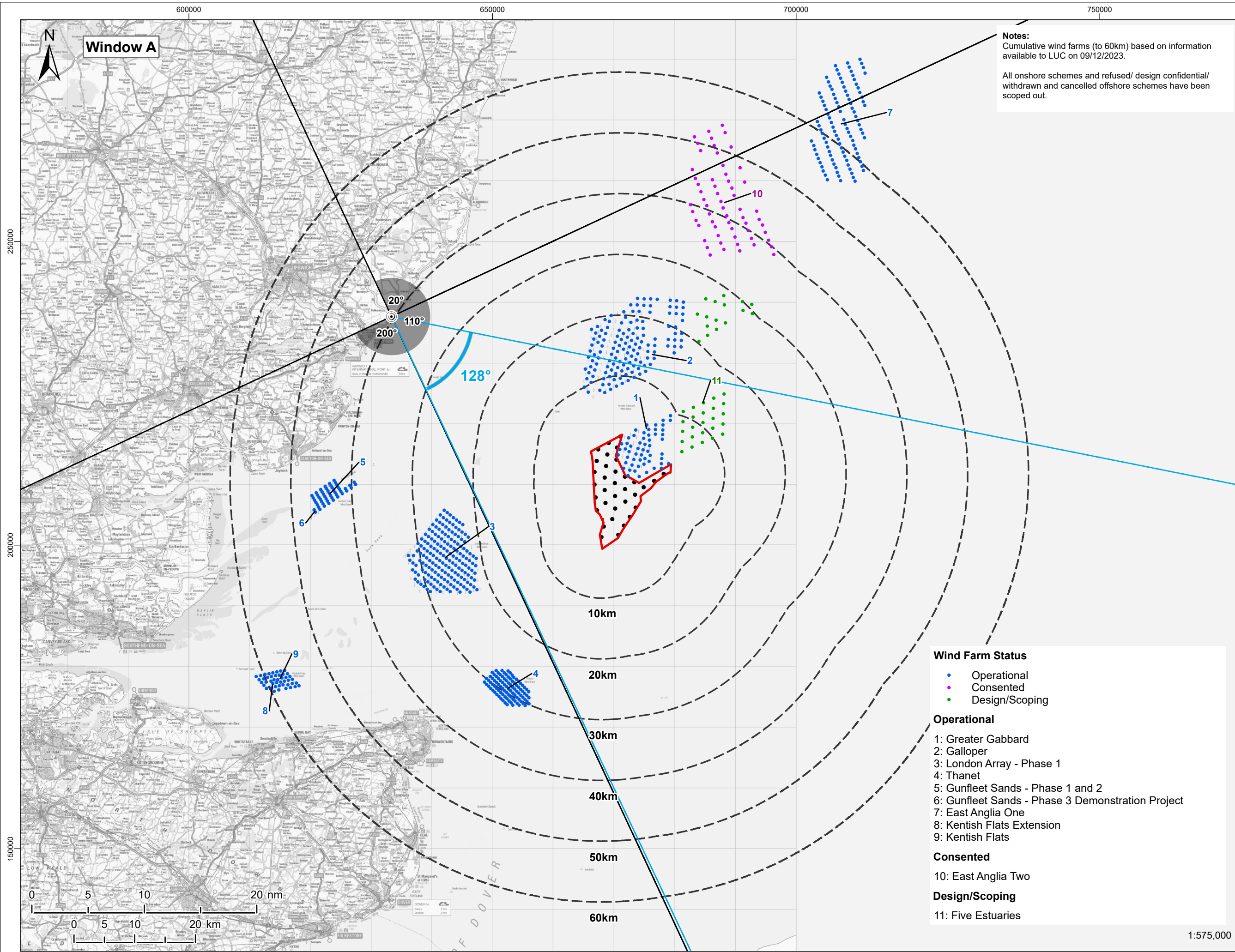
OS reference: 636652E 242526N
AOD: 4 m
Direction of view: 118°
Nearest turbine: 40.77 km

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: 22/11/2021
Photography Time: 13:10

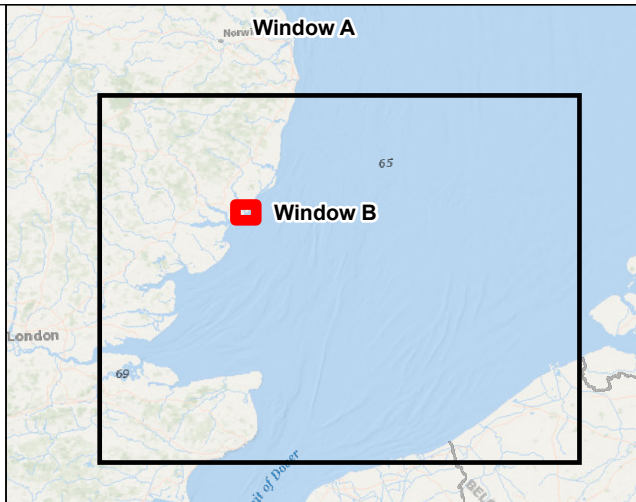
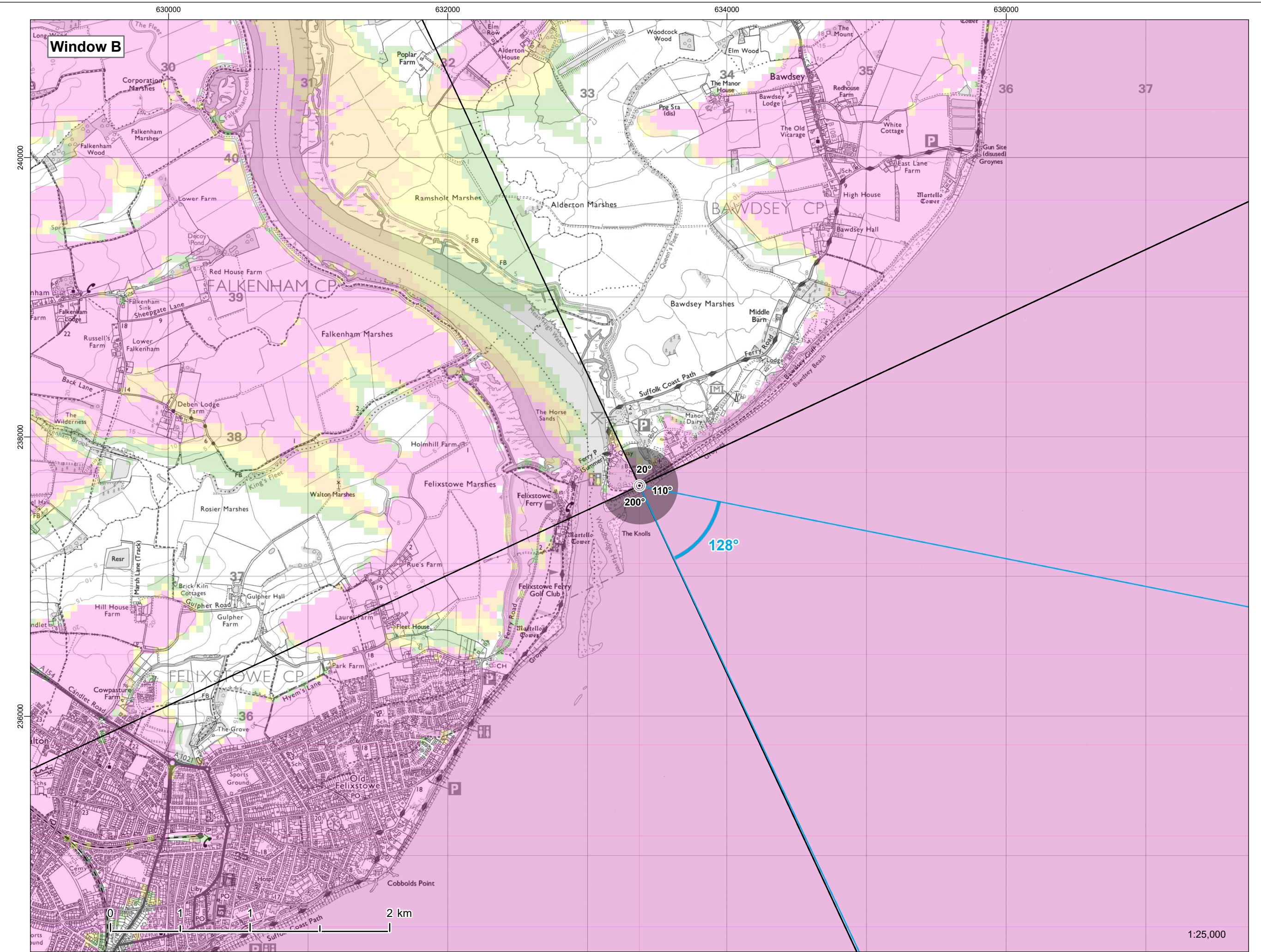
North Falls
Figure: 29.2.9e
Viewpoint 9: Shingle Street



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 10 - Pulhamite Cliffs (Bawdsey Manor)

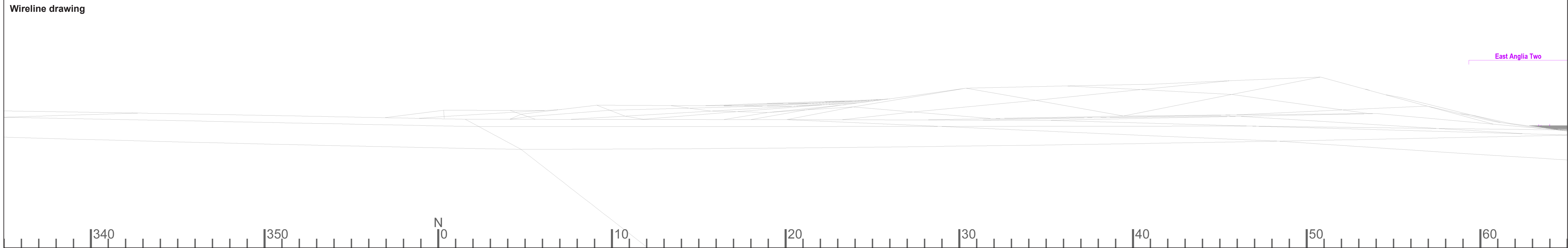
Rev	Date	Remarks	Drwn	Chkd
01	13/03/2024	First Issue	RW	JN

Drawing Number
PB9244-LUC-ZZ-OF-DR-GS-0031

Figure Number
29.2.10

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





OS reference: 633373E 237651N
 AOD: 4 m
 Direction of view: 20°
 Nearest turbine: 40.47 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: 15:00

Wind Farm Developments key
 (by status):

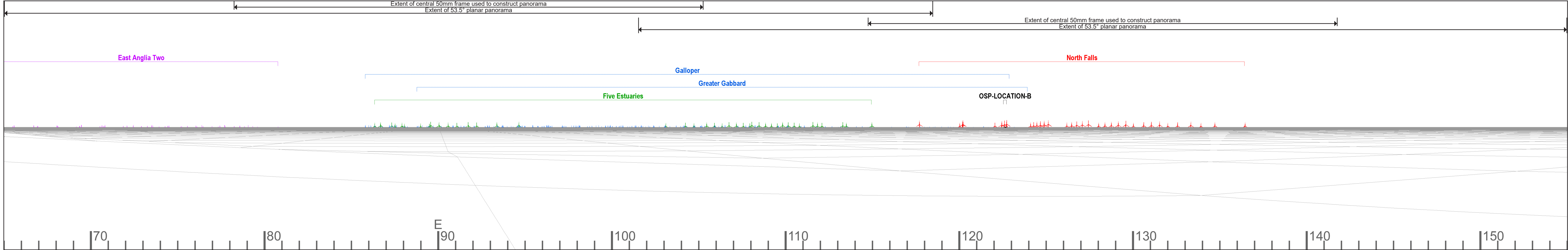
Proposed scheme
 Operational
 Consented
 Scoping

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: 29.2.10a

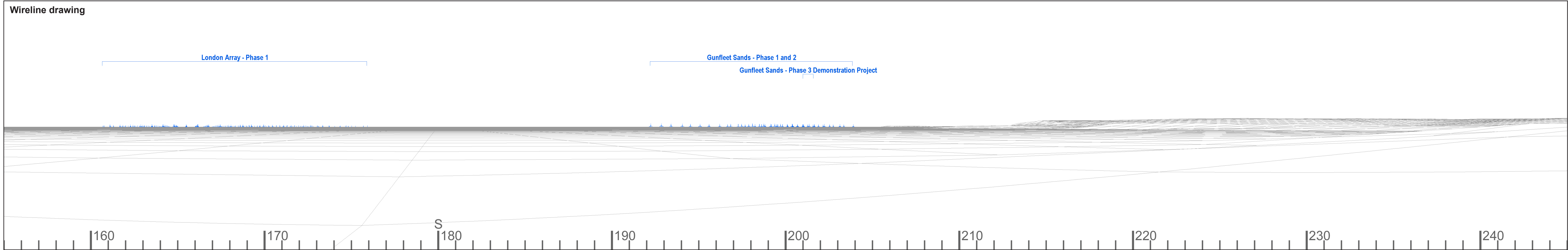
Viewpoint 10: Pulhamite Cliffs (Bawsey Manor)





Baseline photograph

This image provides landscape and visual context only



Wireline drawing

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OS reference: 633373E 237651N
 AOD: 4 m
 Direction of view: 200°
 Nearest turbine: 40.47 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: 15:00

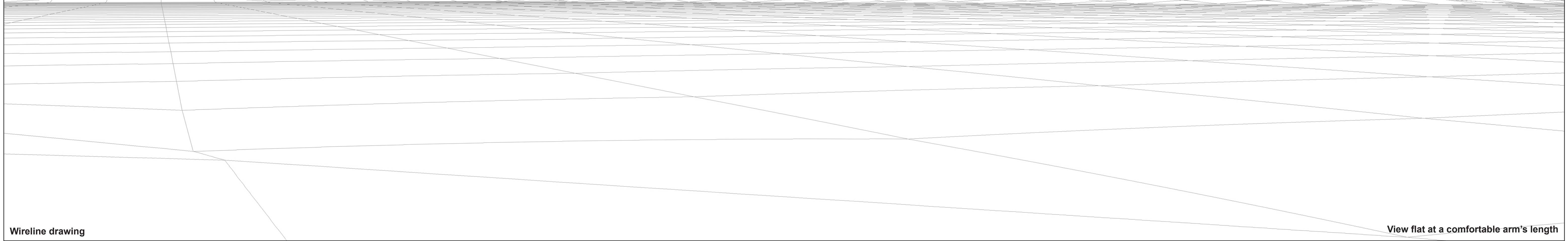
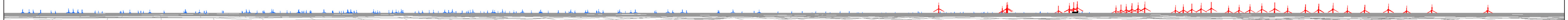
Wind Farm Developments key
 (by status):

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: 29.2.10c
Viewpoint 10: Pulhamite Cliffs (Bawdsey Manor)

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



Wireline drawing

View flat at a comfortable arm's length

OS reference: 633373E 237651N
 AOD: 4 m
 Direction of view: 112°
 Nearest turbine: 40.47 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: 29.2.10d
 Viewpoint 10: Pulhamite Cliffs (Bawdsey Manor)

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Photomontage

View flat at a comfortable arm's length



OS reference: 633373E 237651N
AOD: 4 m
Direction of view: 112°
Nearest turbine: 40.47 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: 15:00

North Falls
Figure: 29.2.10e
Viewpoint 10: Pulhamite Cliffs (Bawdsey Manor)



NORTH FALLS

Offshore Wind Farm



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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