

# Sheringham Shoal and Dudgeon Offshore Wind Farm Extension Projects

**Environmental Statement** 

Volume 2 Chapter 25 - Seascape and Visual Impact Assessment

August 2022 Document Reference: 6.2.25 APFP Regulation: 5(2)(a)







Rev. no.1

List of Figures Title: Sheringham Shoal and Dudgeon Offshore Wind Farm Extension Projects Environmental Statement (Volume 2) Figure 25.24 Viewpoint 4 – Incleborough Hill Chapter 25: Seascape and Visual Impact Assessment (Part 7 of 18) PINS Document No.: 6.2.25 Document No.: C282-RH-Z-GA-00003 Classification Date: August 2022 Final Prepared by: **Royal HaskoningDHV** Approved by: Date: Sarah Chandler, Equinor August 2022

Classification: Open





# Wireline drawing - Lynn (56.9km), Lincs (55.3km), Inner Dowsing (59.5km)

Camera Location (OS Grid Reference):	618905 E 342333 N	Horizontal Field of View:	90° (Cylindrical projection)	Photo Date / Time:	29/07/2020 11
Ground Level (mAOD):	69.7m	Paper Size:	841mm x 297mm (Half A1)	Camera Model and Sensor Format:	Canon EOS 6I
Direction of View: bearing from North (0°):	266°	Enlargement Factor:	96%	Lens Make, Model and Focal Length:	Sigma 50mm f
Nearest Turbine:	See above	Visualisation Type:	Type 2	Height of Camera Lens above Ground (mAOD):	1.5m

20 11:30
OS 6D Mark II, FFS
)mm f1.4

This wireframe is based upon OSTerrain50 data with spot heights at 50m intervals and does not precisely model small scale changes in landform or sharp breaks in slope. The wireframe model does not allow for the screening effects of vegetation or buildings. The model of turbine shown is similar to that proposed for the development. LAT has been approximated at -2.7m MSL accross the development site.



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Extent of 53.5° planar panorama

# Sheringham Shoal and Dudgeon Extension Projects

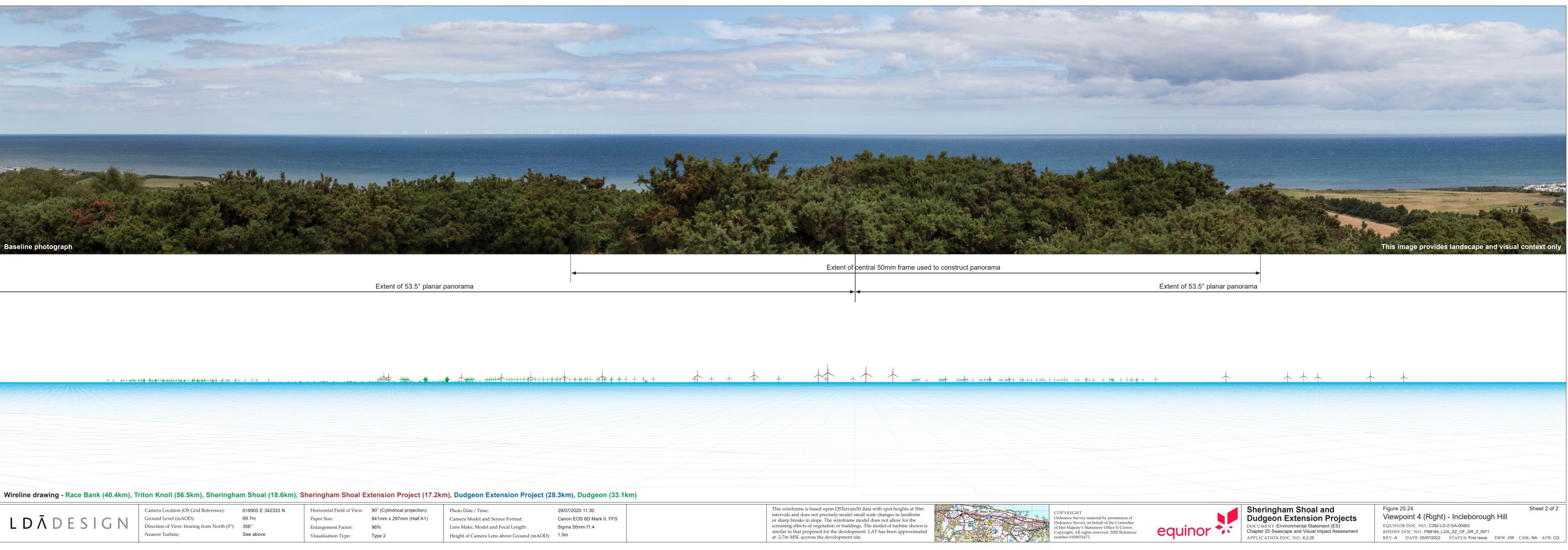
DOCUMENT: Environmental Statement (ES) Chapter 25 Seascape and Visual Impact Assessment APPLICATION DOC. NO.: 6,2,25

# Figure 25.24

Viewpoint 4 (Left) - Incleborough Hill

EQUINOR DOC. NO.: C282-LD-Z-GA-00003 RHDHV DOC. NO.: PB8164\_LDA\_ZZ\_OF\_DR\_Z\_0071 REV: A DATE: 05/07/2022 STATUS: First Issue DRW: VW CHK: NA APR: CG

Sheet 1 of 2



GΝ	Camera Location (OS Grid Reference):	618905 E 342333 N	Horizontal Field of View:	90° (Cylindrical projection)	Photo Date / Time:	29/07/2020
	Ground Level (mAOD):	69.7m	Paper Size:	841mm x 297mm (Half A1)	Camera Model and Sensor Format:	Canon EOS
	Direction of View: bearing from North (0°):	356°	Enlargement Factor:	96%	Lens Make, Model and Focal Length:	Sigma 50m
GIN	Direction of View: bearing from North (0°):	356°	Enlargement Factor:	96%	Lens Make, Model and Focal Length:	Sigma 50mı
	Nearest Turbine:	See above	Visualisation Type:	Type 2	Height of Camera Lens above Ground (mAOD):	1.5m





Wireline drawing - Race Bank (40.4km), Triton Knoll (56.5km), Sheringham Shoal (18.6km), Sheringham Shoal Extension Project (17.2km), Dudgeon Extension Project (28.3km)

$L D \overline{\Lambda} D E S I G N$	Camera Location (OS Grid Reference):	618905 E 342333 N	Horizontal Field of View:	53.5° (Planar projection)	Photo Date / Time:	29/07/2020 11:3
	Ground Level (mAOD):	69.7m	Paper Size:	841mm x 297mm (Half A1)	Camera Model and Sensor Format:	Canon EOS 6D
	Direction of View: bearing from North (0°):	332.3°	Enlargement Factor:	TBC	Lens Make, Model and Focal Length:	Sigma 50mm f1.
	Jearest Turbine:	See above	Visualisation Type:	Type 2	Height of Camera Lens above Ground (mAOD):	1.5m

20 11:30 Hub / Blade tip height: 180m / 330m COS 6D Mark II, FFS Omm f1.4 This wireframe is based upon OSTerrain50 data with spot heights at 50m intervals and does not precisely model small scale changes in landform or sharp breaks in slope. The wireframe model does not allow for the screening effects of vegetation or buildings. The model of turbine shown is similar to that proposed for the development. LAT has been approximated at -2.7m MSL accross the development site.



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# Sheringham Shoal and Dudgeon Extension Projects

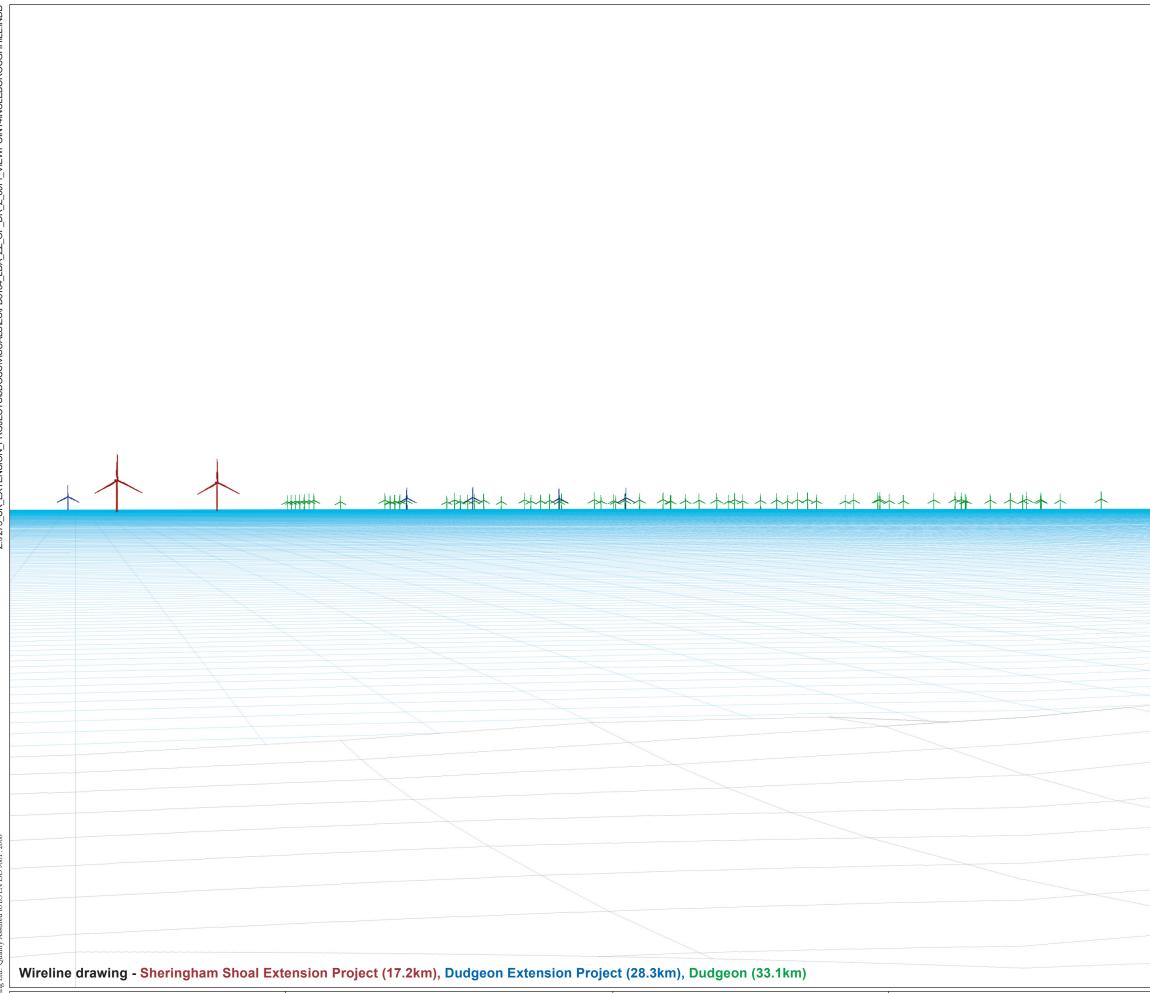
DOCUMENT: Environmental Statement (ES) Chapter 25 Seascape and Visual Impact Assessment APPLICATION DOC. NO.: 6,2,25

# Figure 25.24

# Viewpoint 4 (Left) - Incleborough Hill

EQUINOR DOC. NO.: C282-LD-Z-GA-00003 RHDHV DOC. NO.: PB8164\_LDA\_ZZ\_OF\_DR\_Z\_0071 REV: A DATE: 05/07/2022 STATUS: First Issue DRW: VW CHK: NA APR: CG

Sheet 1 of 2



618905 E 342333 N

69.7m

See above

Horizontal Field of View: 53.5° (Planar projection)

TBC

Type 2

841mm x 297mm (Half A1)

Paper Size:

Enlargement Factor:

Visualisation Type:

Photo Date / Time:

Camera Model and Sensor Format:

Lens Make, Model and Focal Length:

Height of Camera Lens above Ground (mAOD):

Camera Location (OS Grid Reference):

Direction of View: bearing from North (0°): 25.7°

Ground Level (mAOD):

Nearest Turbine:

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Canon EOS 6D Mark II, FFS Sigma 50mm f1.4 1.5m	29/07/2020 11:30	Hub / Blade tip height:	180m / 330m	
5	Canon EOS 6D Mark II, FFS			
1.5m	Sigma 50mm f1.4			
	1.5m			

This wireframe is based upon OSTerrain50 data with spot heights at 50m intervals and does not precisely model small scale changes in landform or sharp breaks in slope. The wireframe model does not allow for the screening effects of vegetation or buildings. The model of turbine shown is similar to that proposed for the development. LAT has been approximated at -2.7m MSL accross the development site.



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# Sheringham Shoal and Dudgeon Extension Projects

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### Figure 25.24 Viewpoint 4 (Right) - Incleborough Hill

Sheet 2 of 2

EQUINOR DOC. NO.: C282-LD-Z-GA-00003 RHDHV DOC. NO.: PB8164\_LDA\_ZZ\_OF\_DR\_Z\_0071 REV: A DATE: 05/07/2022 STATUS: First Issue DRW: VW CHK: NA APR: CG



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Camera Location (OS Grid Reference):	618905 E 342333 N
Ground Level (mAOD):	69.7m
Direction of View: bearing from North (0°):	332.3°
Nearest Turbine:	See above

Horizontal Field of View:
Paper Size:
Enlargement Factor:
Visualisation Type:

53.5° (Planar projection)	Photo I
841mm x 297mm (Half A1)	Camera
TBC	Lens M
Туре 3	Height

29/07/2020 11:30 Date / Time: era Model and Sensor Format: Canon EOS 6D Mark II, FFS Make, Model and Focal Length: Sigma 50mm f1.4 ht of Camera Lens above Ground (mAOD): 1.5m

Hub / Blade tip height: 180m / 330m

This photomontage is based upon OSTerrain50 data with spot heights at 50m intervals and does not precisely model small scale changes in landform or sharp breaks in slope. The model of turbine shown is similar to that proposed for the development. LAT has been approximated at -2.7m MSL accross the development site.



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APPLICATION DOC. NO.: 6,2,25

Figure 25.24 Viewpoint 4 (Left) - Incleborough Hill EQUINOR DOC. NO.: C282-LD-Z-GA-00003 RHDHV DOC. NO.: PB8164\_LDA\_ZZ\_OF\_DR\_Z\_0071 REV: A DATE: 05/07/2022 STATUS: First Issue DRW: VW CHK: NA APR: CG

Sheet 1 of 2



L D Ā D E S I G N

Camera Location (OS Grid Reference):	618905 E 342333 N
Ground Level (mAOD):	69.7m
Direction of View: bearing from North $(0^{\circ})$ :	25.7°
Nearest Turbine:	See above

Horizontal Field of View:
Paper Size:
Enlargement Factor:
Visualisation Type:

v:	53.5° (Planar projection)	Photo Date / Tim
	841mm x 297mm (Half A1)	Camera Model a
	TBC	Lens Make, Mod
	Туре 3	Height of Camer

29/07/2020 11:30 me: and Sensor Format: Canon EOS 6D Mark II, FFS Sigma 50mm f1.4 lodel and Focal Length: uera Lens above Ground (mAOD): 1.5m

Hub / Blade tip height: 180m / 330m

This photomontage is based upon OSTerrain50 data with spot heights at 50m intervals and does not precisely model small scale changes in landform or sharp breaks in slope. The model of turbine shown is similar to that proposed for the development. LAT has been approximated at -2.7m MSL accross the development site.



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EQUINOR DOC. NO.: C282-LD-Z-GA-00003 RHDHV DOC. NO.: PB8164\_LDA\_ZZ\_OF\_DR\_Z\_0071 REV: A DATE: 05/07/2022 STATUS: First Issue DRW: VW CHK: NA APR: CG

Figure 25.24

Viewpoint 4 (Right) - Incleborough Hill

Sheet 2 of 2



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618905 E 342333 N Paper Size: Enlargement Factor: Visualisation Type:

**Photomontage** - Sheringham Shoal Extension Project (17.2km), Dudgeon Extension Project (28.3km)

Horizontal Field of View: 39.6° (Planar projection) 420mm x 297mm (A3) TBC Туре 3

Photo Date / Time: Camera Model and Sensor Format: Lens Make, Model and Focal Length: Height of Camera Lens above Ground (mAOD): 1.5m

29/07/2020 11:30 Canon EOS 6D Mark II, FFS Sigma 50mm f1.4

# Sheringham Shoal and **Dudgeon Extension Projects**

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This photomontage is based upon OSTerrain50 data with spot heights at 50m intervals and does not precisely model small scale changes in landform or sharp breaks in slope. The model of turbine shown is similar to that proposed for the development. LAT has been approximated at -2.7m MSL accross the development site.



### Figure 25.24 Viewpoint 4 - Incleborough Hill EQUINOR DOC. NO.: C282-LD-Z-GA-00003

Sheet 1 of 1

RHDHV DOC. NO.: PB8164\_LDA\_ZZ\_OF\_DR\_Z\_0071 REV: A DATE: 05/07/2022 STATUS: First Issue DRW: VW CHK: NA APR: CG

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	Camera Location (OS Grid Reference):	618905 E 342333 N	Horizontal Field of View:	53.5° (Planar projection)	Photo Date / Time:	29/07/2020 23:2
. I	Ground Level (mAOD):	69.7m	Paper Size:	841mm x 297mm (Half A1)	Camera Model and Sensor Format:	Canon EOS 6D
	Direction of View: bearing from North ( $0^{\circ}$ ):	332.3°	Enlargement Factor:	ТВС	Lens Make, Model and Focal Length:	Sigma 50mm f1.
	Nearest Turbine:	See above	Visualisation Type:	Туре 1	Height of Camera Lens above Ground (mAOD):	1.5m

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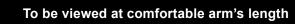
Hub / Blade tip height: 180m / 330m



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23:20 6D Mark II, FFS n f1.4





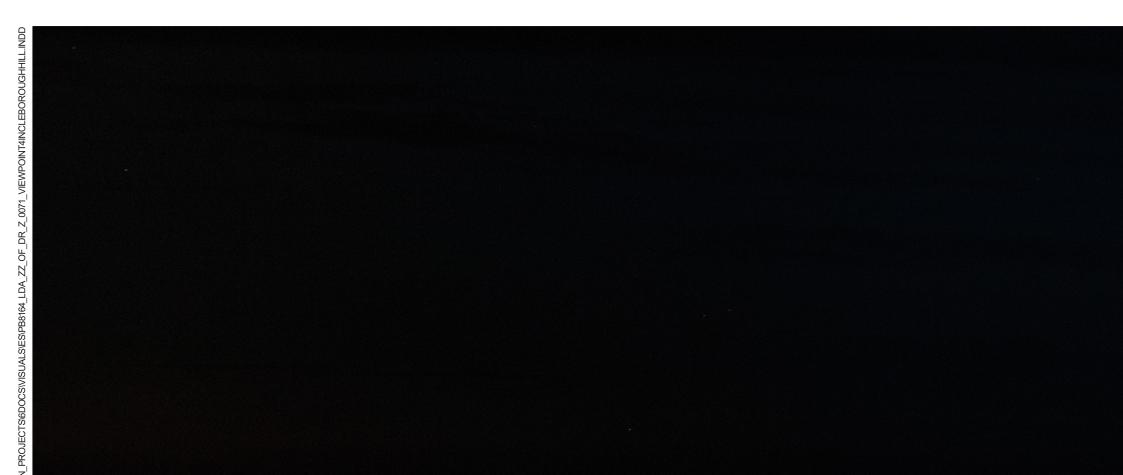
Sheringham Shoal and Dudgeon Extension Projects

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Figure 25.24 Sheet 1 of 2 Viewpoint 4 (Left) - Incleborough Hill EQUINOR DOC. NO.: C282-LD-Z-GA-00003

RHDHV DOC. NO.: PB8164\_LDA\_ZZ\_OF\_DR\_Z\_0071 REV: A DATE: 05/07/2022 STATUS: First Issue DRW: VW CHK: NA APR: CG



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# $L D \overline{\Lambda} D E S | G N$

Camera Location (OS Grid Reference):	618905 E 342333 N	Horizontal Field of View:	53.5° (Planar projection)	Photo Date / Time:	29/07/2020 2
Ground Level (mAOD):	69.7m	Paper Size:	841mm x 297mm (Half A1)	Camera Model and Sensor Format:	Canon EOS (
Direction of View: bearing from North (0°):	25.7°	Enlargement Factor:	TBC	Lens Make, Model and Focal Length:	Sigma 50mm
Nearest Turbine:	See above	Visualisation Type:	Type 1	Height of Camera Lens above Ground (mAOD):	1.5m
ivealest fulblic.		Visualisation Type:	Туре 1	Height of Camera Lens above Ground (mAOD):	

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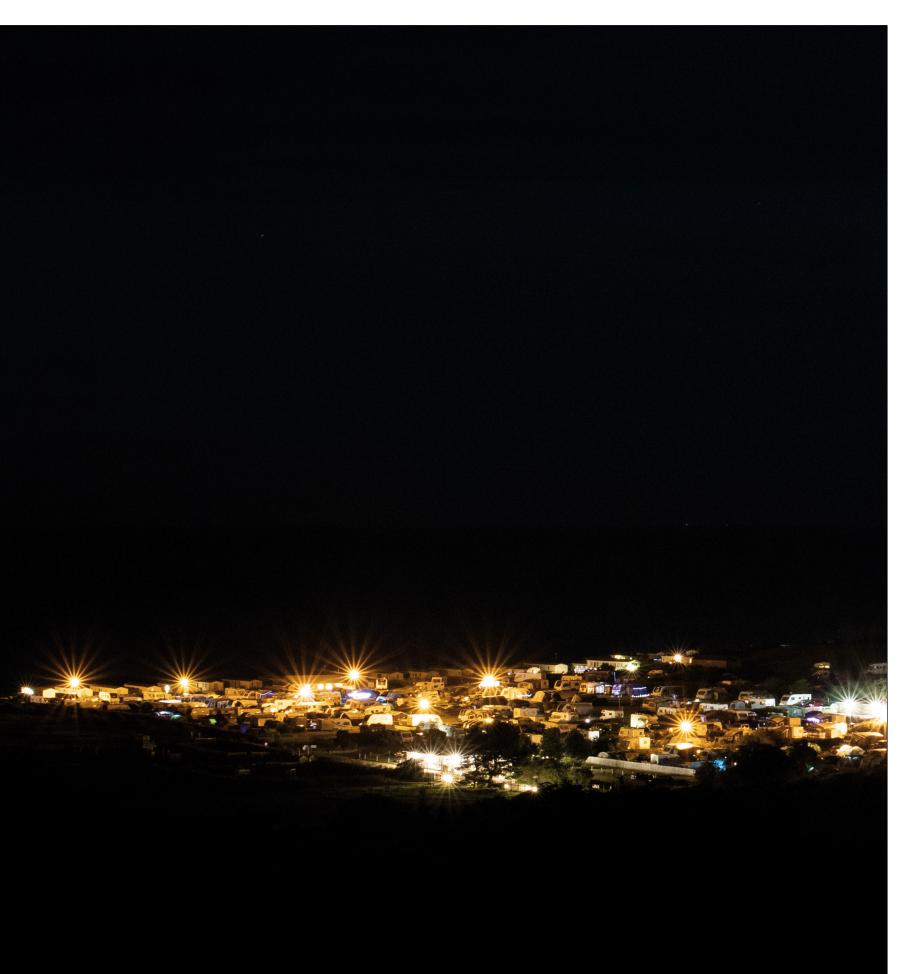
Hub / Blade tip height: 180m / 330m



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20 23:20 OS 6D Mark II, FFS mm f1.4



# To be viewed at comfortable arm's length



# Sheringham Shoal and Dudgeon Extension Projects

COLUMENT: Environmental Statement (ES) Chapter 25 Seascape and Visual Impact Assessment APPLICATION DOC. NO.: 6,2,25

Figure 25.24 Viewpoint 4 (Right) - Incleborough Hill EQUINOR DOC. NO.: C282-LD-Z-GA-00003 RHDHV DOC. NO.: PB8164\_LDA\_ZZ\_OF\_DR\_Z\_0071

Sheet 2 of 2

REV: A DATE: 05/07/2022 STATUS: First Issue DRW: VW CHK: NA APR: CG

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**Photomontage Night** - Sheringham Shoal Extension Project (17.2km), Dudgeon Extension Project (28.3km)

Camera Location (OS Grid Reference):	618905 E 342333 N	Horizontal Field of View:	53.5° (Planar projection)	Photo Date / Time:	29/07/2020 23
Ground Level (mAOD):	69.7m	Paper Size:	841mm x 297mm (Half A1)	Camera Model and Sensor Format:	Canon EOS 6
Direction of View: bearing from North (0°):	332.3°	Enlargement Factor:	ТВС	Lens Make, Model and Focal Length:	Sigma 50mm
Nearest Turbine:	See above	Visualisation Type:	Туре 3	Height of Camera Lens above Ground (mAOD):	1.5m

# 

development site.

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0 23:20 Hub / Blade tip height: 180m / 330m OS 6D Mark II, FFS

mm f1.4



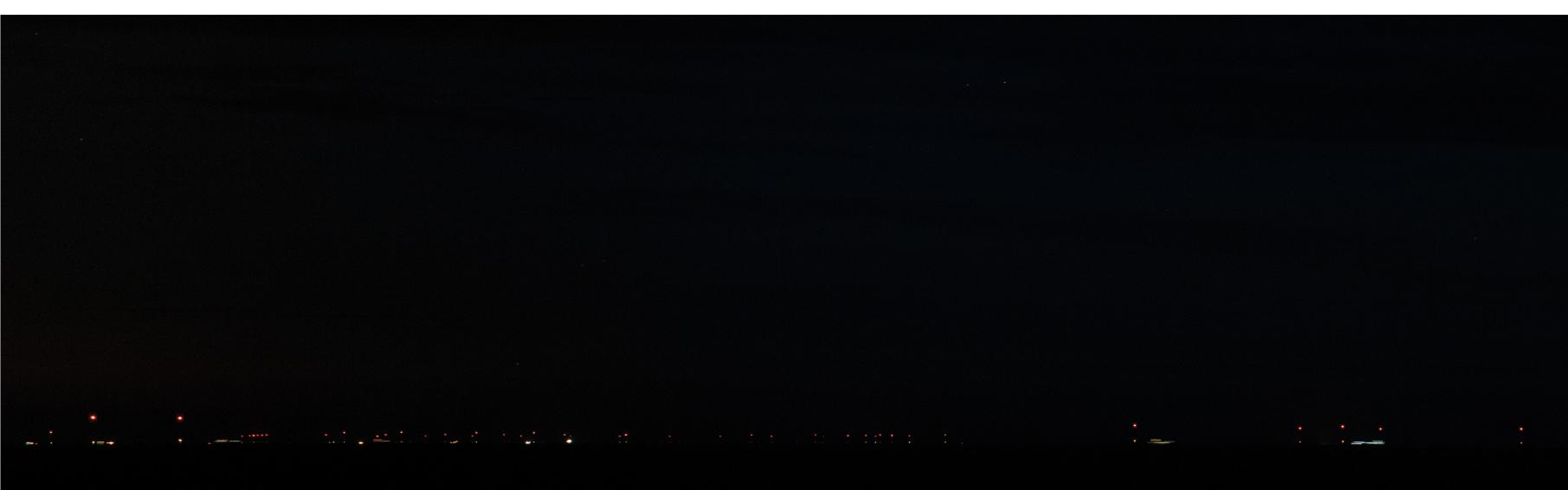
# To be viewed at comfortable arm's length



Sheringham Shoal and Dudgeon Extension Projects DOCUMENT: Environmental Statement (ES) Chapter 25 Seascape and Visual Impact Assessment

APPLICATION DOC. NO.: 6,2,25

Figure 25.24 Sheet 1 of 2 Viewpoint 4 (Left) - Incleborough Hill EQUINOR DOC. NO.: C282-LD-Z-GA-00003 RHDHV DOC. NO.: PB8164\_LDA\_ZZ\_OF\_DR\_Z\_0071 REV: A DATE: 05/07/2022 STATUS: First Issue DRW: VW CHK: NA APR: CG



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Photo Date / Time: Camera Model and Sensor Format: Lens Make, Model and Focal Length: Height of Camera Lens above Ground (mAOD): 1.5m

Hub / Blade tip height: 180m / 330m

This photomontage is based upon OSTerrain50 data with spot heights at 50m intervals and does not precisely model small scale changes in landform or sharp breaks in slope. The model of turbine shown is similar to that proposed for the development. LAT has been approximated at -2.7m MSL accross the development site.



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# To be viewed at comfortable arm's length



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Figure 25.24 Viewpoint 4 (Right) - Incleborough Hill EQUINOR DOC. NO.: C282-LD-Z-GA-00003 RHDHV DOC. NO.: PB8164\_LDA\_ZZ\_OF\_DR\_Z\_0071

Sheet 2 of 2

REV: A DATE: 05/07/2022 STATUS: First Issue DRW: VW CHK: NA APR: CG