



# 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

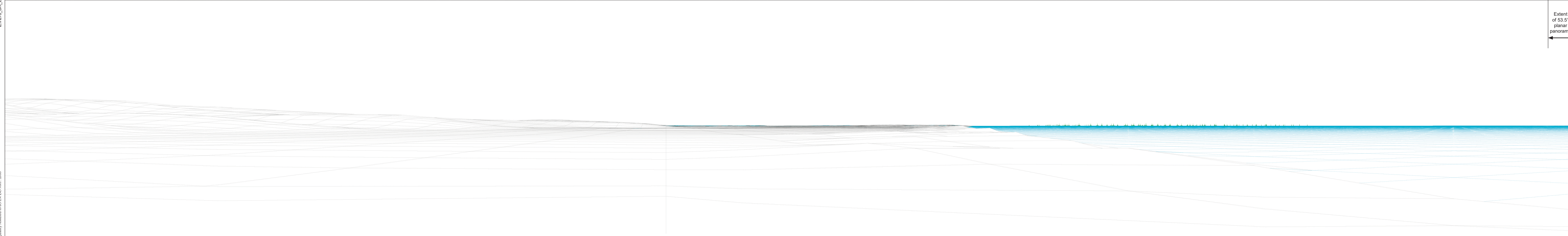
APFP Regulation: 5(2)(a)

Title: <b>Sheringham Shoal and Dudgeon Offshore Wind Farm Extension Projects                  Environmental Statement (Volume 2)                  Chapter 25: Seascape and Visual Impact Assessment Figures (Part 11 of 18)</b>	
PINS Document No.: 6.2.25	
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Classification: <b>Final</b>	
Prepared by: <b>Royal HaskoningDHV</b>	
Approved by: <b>Sarah Chandler, Equinor</b>	Date: August 2022

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Figure 25.30 Viewpoint 10 – Gramborough Hill

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Extent of 53.5° planar panorama

Wireline drawing - Lynn (46.6km), Lincs (45.1km), Inner Dowsing (49.3km)

	Camera Location (OS Grid Reference): 608576 E 344209 N Ground Level (mAOD): 9.0m Direction of View: bearing from North (0°): 277° Nearest Turbine: See above	Horizontal Field of View: 90° (Cylindrical projection) Paper Size: 841mm x 297mm (Half A1) Enlargement Factor: 96% Visualisation Type: Type 2	Photo Date / Time: 21/07/2020 18:10 Camera Model and Sensor Format: Canon EOS 6D Mark II, FFS Lens Make, Model and Focal Length: Sigma 50mm f1.4 Height of Camera Lens above Ground (mAOD): 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 across the development site.		COPYRIGHT Ordnance Survey material by permission of Ordnance Survey on behalf of the Controller of Her Majesty's Stationery Office © Crown Copyright. All rights reserved. 2020 Reference number 0100031673.		<b>Sheringham Shoal and Dudgeon Extension Projects</b> DOCUMENT: Environmental Statement (ES) Chapter 25 Seascape and Visual Impact Assessment APPLICATION DOC. NO.: 6.2.25	Figure 25.30 Viewpoint 10 (Left) - Gramborough Hill EQUINOR DOC. NO.: G282-LD-Z-GA-00003 RHDHV DOC. NO.: PB8164_LDA_ZZ_OF_DR_Z_0077 REV: A DATE: 05/07/2022 STATUS: First Issue DRW: VW CHK: NA APR: CG	Sheet 1 of 2
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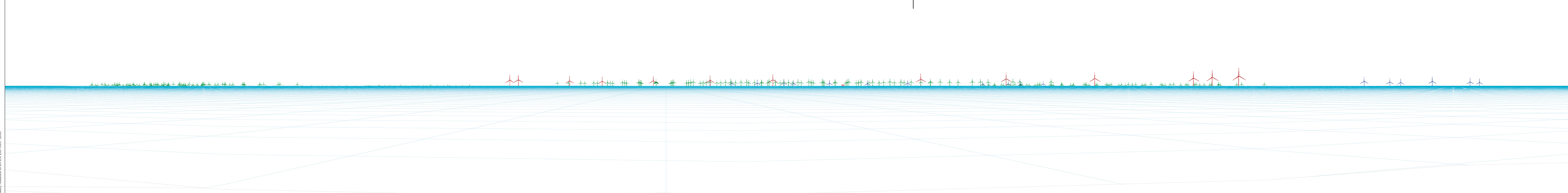
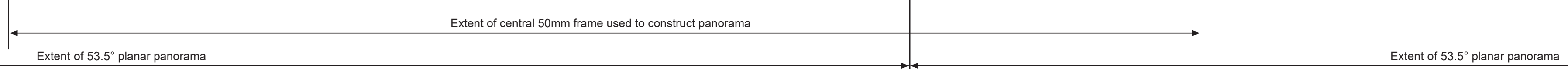
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Baseline photograph

This image provides landscape and visual context only



Wireline drawing - Race Bank (33.1km), Triton Knoll (51.6km), Sheringham Shoal Extension Project (18.2km), Sheringham Shoal (17.6km), Dudgeon (35.9km), Dudgeon Extension Project (32.3km)

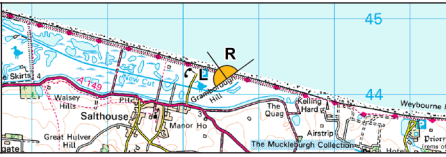


Camera Location (OS Grid Reference): 608576 E 344209 N  
 Ground Level (mAOD): 9.0m  
 Direction of View: bearing from North (0°): 367°  
 Nearest Turbine: See above

Horizontal Field of View: 90° (Cylindrical projection)  
 Paper Size: 841mm x 297mm (Half A1)  
 Enlargement Factor: 96%  
 Visualisation Type: Type 2

Photo Date / Time: 21/07/2020 18:10  
 Camera Model and Sensor Format: Canon EOS 6D Mark II, FFS  
 Lens Make, Model and Focal Length: Sigma 50mm f1.4  
 Height of Camera Lens above Ground (mAOD): 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 across the development site.



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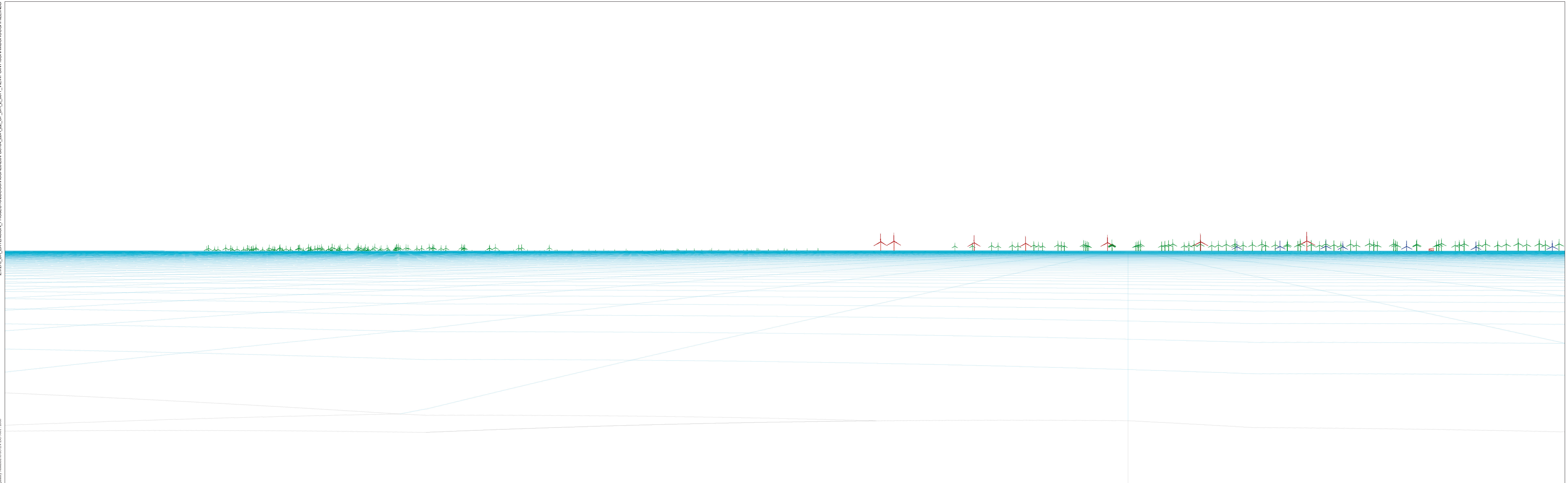


**Sheringham Shoal and Dudgeon Extension Projects**  
 DOCUMENT: Environmental Statement (ES)  
 Chapter 25 Seascape and Visual Impact Assessment  
 APPLICATION DOC. NO.: 6.2.25

Figure 25.30  
**Viewpoint 10 (Right) - Gramborough Hill**  
 EQUINOR DOC. NO.: G282-LD-Z-GA-00003  
 RHDHV DOC. NO.: PB8164\_LDA\_ZZ\_OF\_DR\_Z\_0077  
 REV: A DATE: 05/07/2022 STATUS: First Issue DRW: VW CHK: NA APR: CG

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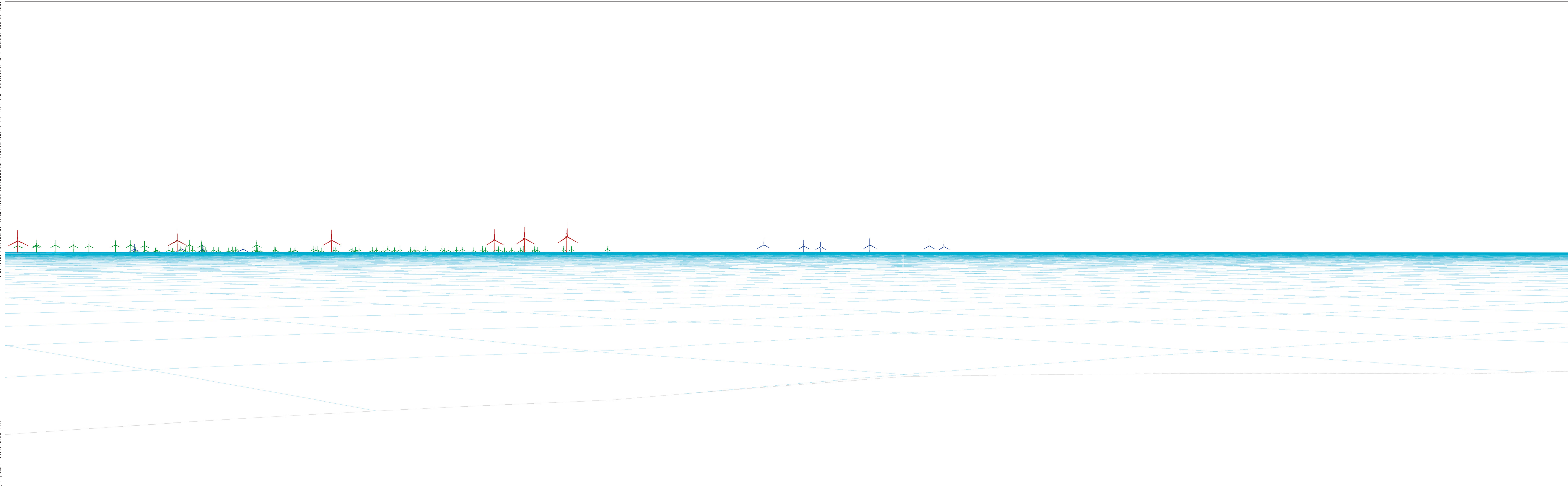


Wireline drawing - Race Bank (33.1km), Triton Knoll (51.6km), Sheringham Shoal Extension Project (18.2km), Sheringham Shoal (17.6km), Dudgeon (35.9km)

	Camera Location (OS Grid Reference): 608576 E 344209 N Ground Level (mAOD): 9.0m Direction of View: bearing from North (0°): 347.3° Nearest Turbine: See above	Horizontal Field of View: 53.5° (Planar projection) Paper Size: 841mm x 297mm (Half A1) Enlargement Factor: TBC Visualisation Type: Type 2	Photo Date / Time: 21/07/2020 18:10 Camera Model and Sensor Format: Canon EOS 6D Mark II, FFS Lens Make, Model and Focal Length: Sigma 50mm f1.4 Height of Camera Lens above Ground (mAOD): 1.5m	Hub / Blade tip height: 180m / 330m	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 across the development site.		COPYRIGHT Ordnance Survey material by permission of Ordnance Survey on behalf of the Controller of Her Majesty's Stationery Office © Crown Copyright. All rights reserved. 2020 Reference number 0100031673.		<b>Sheringham Shoal and Dudgeon Extension Projects</b> DOCUMENT: Environmental Statement (ES) Chapter 25 Seascape and Visual Impact Assessment APPLICATION DOC. NO.: 6.2.25	Figure 25.30 <b>Viewpoint 10 (Left) - Gramborough Hill</b> EQUINOR DOC. NO.: G282-LD-Z-GA-00003 RHDHV DOC. NO.: PB8164_LDA_ZZ_OF_DR_Z_0077 REV: A DATE: 05/07/2022 STATUS: First Issue DRW: VW CHK: NA APR: CG	Sheet 1 of 2
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Wireline drawing - Sheringham Shoal Extension Project (18.2km), Sheringham Shoal (17.6km), Dudgeon (35.9km), Dudgeon Extension Project (32.3km)

	Camera Location (OS Grid Reference): 608576 E 344209 N Ground Level (mAOD): 9.0m Direction of View: bearing from North (0°): 40.7° Nearest Turbine: See above	Horizontal Field of View: 53.5° (Planar projection) Paper Size: 841mm x 297mm (Half A1) Enlargement Factor: TBC Visualisation Type: Type 2	Photo Date / Time: 21/07/2020 18:10 Camera Model and Sensor Format: Canon EOS 6D Mark II, FFS Lens Make, Model and Focal Length: Sigma 50mm f1.4 Height of Camera Lens above Ground (mAOD): 1.5m	Hub / Blade tip height: 180m / 330m	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 across the development site.		COPYRIGHT Ordnance Survey material by permission of Ordnance Survey on behalf of the Controller of Her Majesty's Stationery Office © Crown Copyright. All rights reserved. 2020 Reference number 0100031673.		<b>Sheringham Shoal and Dudgeon Extension Projects</b> DOCUMENT: Environmental Statement (ES) Chapter 25 Seascape and Visual Impact Assessment APPLICATION DOC. NO.: 6.2.25	Figure 25.30 Viewpoint 10 (Right) - Gramborough Hill EQUINOR DOC. NO.: G282-LD-Z-GA-00003 RHDHV DOC. NO.: PB8164_LDA_ZZ_OF_DR_Z_0077 REV: A DATE: 05/07/2022 STATUS: First Issue DRW: VW CHK: NA APR: CG	Sheet 1 of 2
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**Photomontage - Sheringham Shoal Extension Project (18.2km), Dudgeon Extension Project (32.3km)**

To be viewed at comfortable arm's length

	Camera Location (OS Grid Reference): 608576 E 344209 N Ground Level (mAOD): 9.0m Direction of View: bearing from North (0°): 347.3° Distance to Site: See above	Horizontal Field of View: 53.5° (Planar projection) Paper Size: 841mm x 297mm (Half A1) Enlargement Factor: TBC Visualisation Type: Type 3	Photo Date / Time: 21/07/2020 18:10 Camera Model and Sensor Format: Canon EOS 6D Mark II, FFS Lens Make, Model and Focal Length: Sigma 50mm f1.4 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 across the development site.		COPYRIGHT Ordnance Survey material by permission of Ordnance Survey on behalf of the Controller of Her Majesty's Stationery Office © Crown Copyright. All rights reserved. 2020 Reference number 0100031673.		<b>Sheringham Shoal and Dudgeon Extension Projects</b> DOCUMENT: Environmental Statement (ES) Chapter 25 Seascape and Visual Impact Assessment APPLICATION DOC. NO.: 6.2.25	Figure 25.30 <b>Viewpoint 10 (Left) - Gramborough Hill</b> EQUINOR DOC. NO.: G282-LD-Z-GA-00003 RHDHV DOC. NO.: PB164_LDA_ZZ_OF_DR_Z_0077 REV: A DATE: 05/07/2022 STATUS: First Issue DRW: VW CHK: NA APR: CG	Sheet 1 of 2
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**Photomontage - Sheringham Shoal Extension Project (18.2km), Dudgeon Extension Project (32.3km)**

To be viewed at comfortable arm's length

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	Camera Location (OS Grid Reference): 608576 E 344209 N Ground Level (mAOD): 9.0m Direction of View: bearing from North (0°): 40.7° Distance to Site: See above	Horizontal Field of View: 53.5° (Planar projection) Paper Size: 841mm x 297mm (Half A1) Enlargement Factor: TBC Visualisation Type: Type 3	Photo Date / Time: 21/07/2020 18:10 Camera Model and Sensor Format: Canon EOS 6D Mark II, FFS Lens Make, Model and Focal Length: Sigma 50mm f1.4 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 across the development site.		COPYRIGHT Ordnance Survey material by permission of Ordnance Survey on behalf of the Controller of Her Majesty's Stationery Office © Crown Copyright. All rights reserved. 2020 Reference number 0100031673.		<b>Sheringham Shoal and Dudgeon Extension Projects</b> DOCUMENT: Environmental Statement (ES) Chapter 25 Seascape and Visual Impact Assessment APPLICATION DOC. NO.: 6.2.25	Figure 25.30 <b>Viewpoint 10 (Right) - Gramborough Hill</b> EQUINOR DOC. NO.: G282-LD-Z-GA-00003 RHDHV DOC. NO.: PB8164_LDA_ZZ_OF_DR_Z_0077 REV: A DATE: 05/07/2022 STATUS: First Issue DRW: VW CHK: NA APR: CG	Sheet 2 of 2
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This image is intended only for use at the viewpoint.  
Further information in the ES should also be referred to.



**Photomontage - Sheringham Shoal Extension Project (18.2km), Dudgeon Extension Project (32.3km)**

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 across the development site.

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Camera Location (OS Grid Reference): 608576 E 344209 N Ground Level (mAOD): 9.0m Direction of View: bearing from North (0°): 32° Nearest Turbine: See above Hub / Blade tip height: 180m / 330m	Horizontal Field of View: 39.6° (Planar projection) Paper Size: 420mm x 297mm (A3) Enlargement Factor: TBC Visualisation Type: Type 3	Photo Date / Time: 21/07/2020 18:10 Camera Model and Sensor Format: Canon EOS 6D Mark II, FFS Lens Make, Model and Focal Length: Sigma 50mm f1.4 Height of Camera Lens above Ground (mAOD): 1.5m	<b>Sheringham Shoal and Dudgeon Extension Projects</b> DOCUMENT: Environmental Statement (ES) Chapter 25 Seascape and Visual Impact Assessment APPLICATION DOC. NO.: 6.2.25	Figure 25.30 <b>Viewpoint 10 - Gramborough Hill</b> EQUINOR DOC. NO.: C282-LD-Z-GA-00003 RHDHV DOC. NO.: PB8164_LDA_ZZ_OF_DR_Z_0077 REV: A DATE: 05/07/2022 STATUS: First Issue DRW: VW CHK: NA APR: CG	Sheet 1 of 1
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