

Viewpoint Location Plan
Scale: 1:50,000 (Blade Tip ZTV)

Note:
 1. **ZTV:** Created using ESRI ArcGIS 10.4 software using the following data and parameters:
 Blade tip height: 115/130m
 DTM Data: OS Terrain 5. Resampled to a 10m grid.
 Observer height: 1.5m
 No surface features, such as buildings or trees, were included in the analysis.
 Earth curvature and light refraction has been included in calculations.
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Key

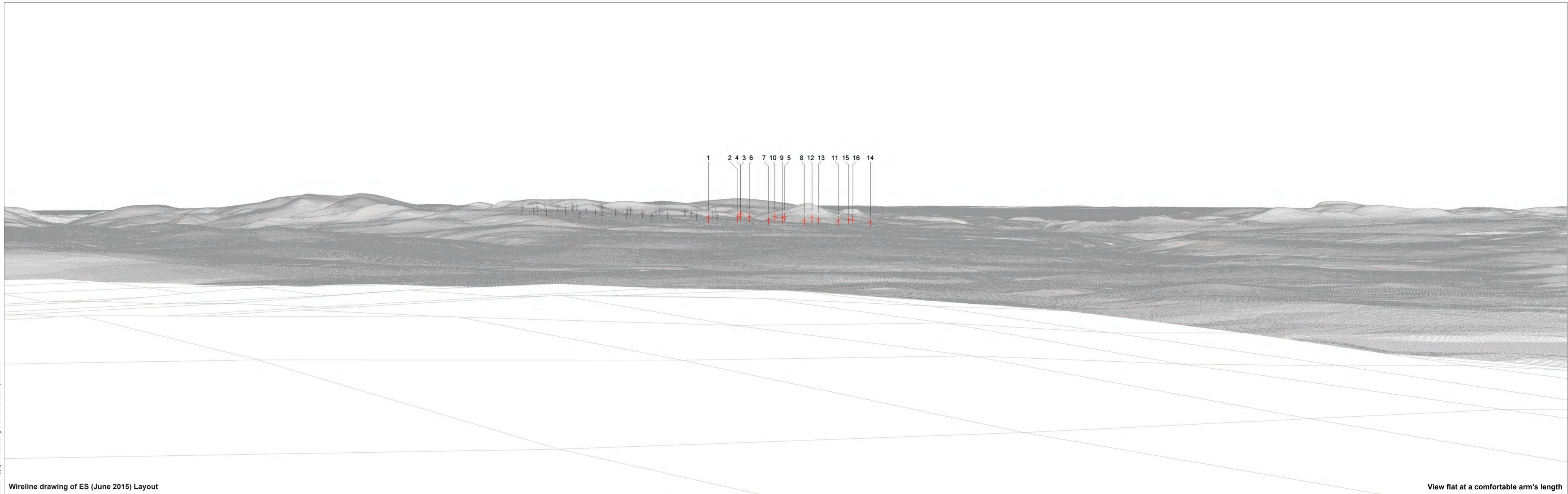
- Gordonbush Extension FEI Layout
- ▼ 53.5 degree field of view viewpoint
- Gordonbush Turbine Locations

Gordonbush Extension FEI Layout Blade Tip ZTV

No. of turbines that are theoretically visible

- 1 - 4
- 5 - 8
- 9 - 12
- 13 - 15

Figure: 2.22a
SNH VISUALISATIONS VIEWPOINT 15:
BEN ARMINE
 Gordonbush Extension Wind Farm
 FEI



1 2 4 3 6 7 10 9 5 8 12 13 11 15 16 14

Wireline drawing of ES (June 2015) Layout

View flat at a comfortable arm's length

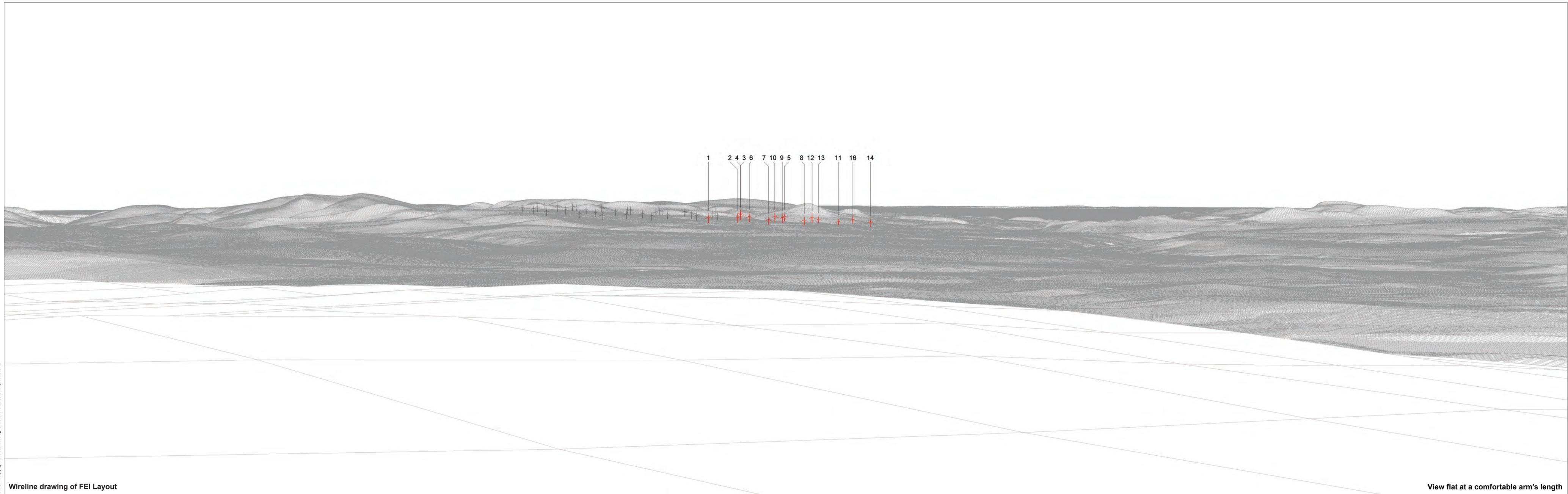
OS reference: 269522 E 927232 N
 Eye level: 702.5 m AOD
 Direction of view: 132°
 Nearest turbine: 19.619 km

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: Canon EOS 5D Mk2
 Lens: 50mm (Canon EF 50mm f/1.4)
 Camera height: 1.5 m AGL
 Date and time: 05/11/14, 12:28

Figure: 2.22b ES (June 2015) Layout
 SNH Viewpoint 15: Ben Armine

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Wireline drawing of FEI Layout

View flat at a comfortable arm's length

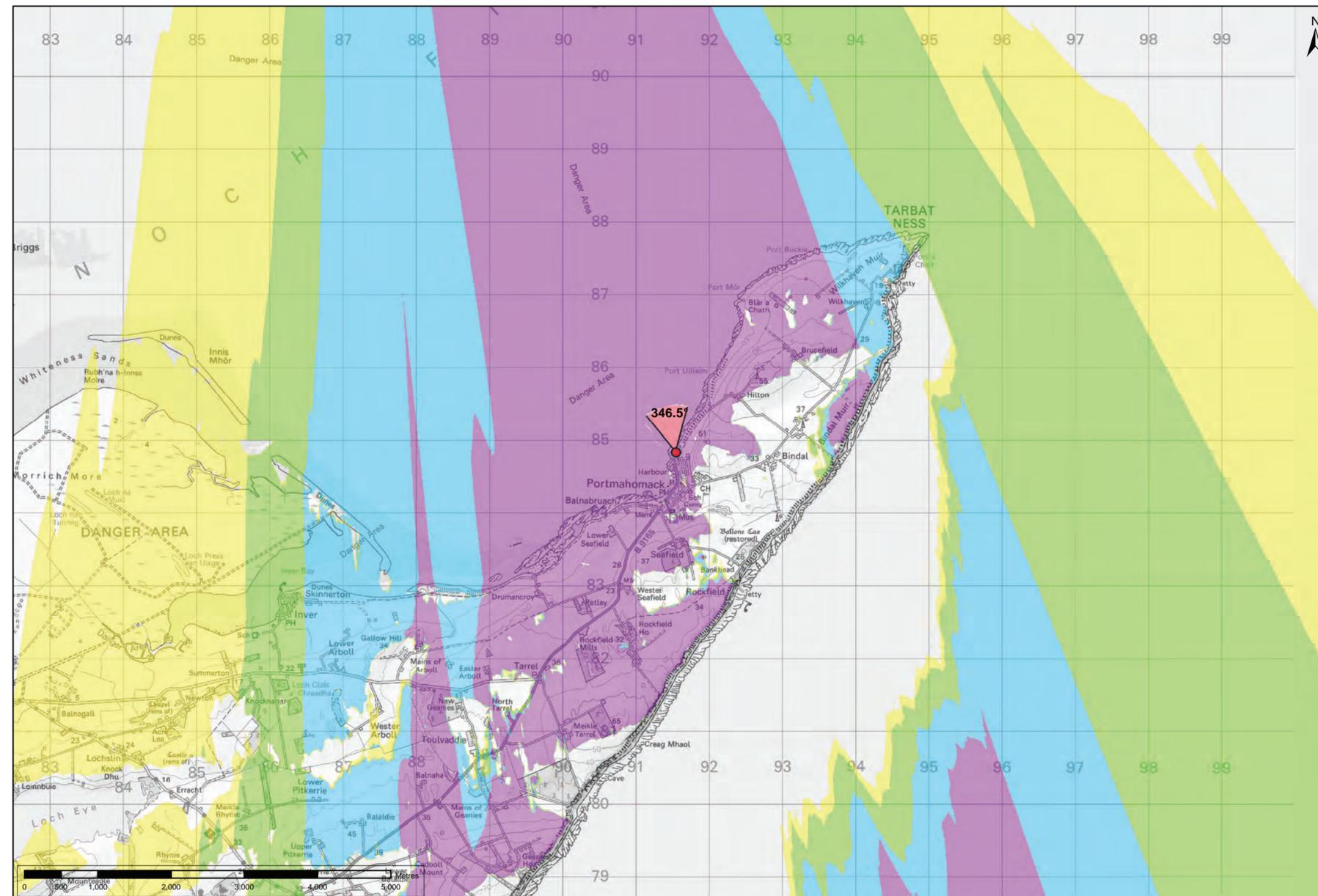
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 Date and time: 05/11/14, 12:28

Figure: 2.22c FEI Layout
 SNH Viewpoint 15: Ben Armine

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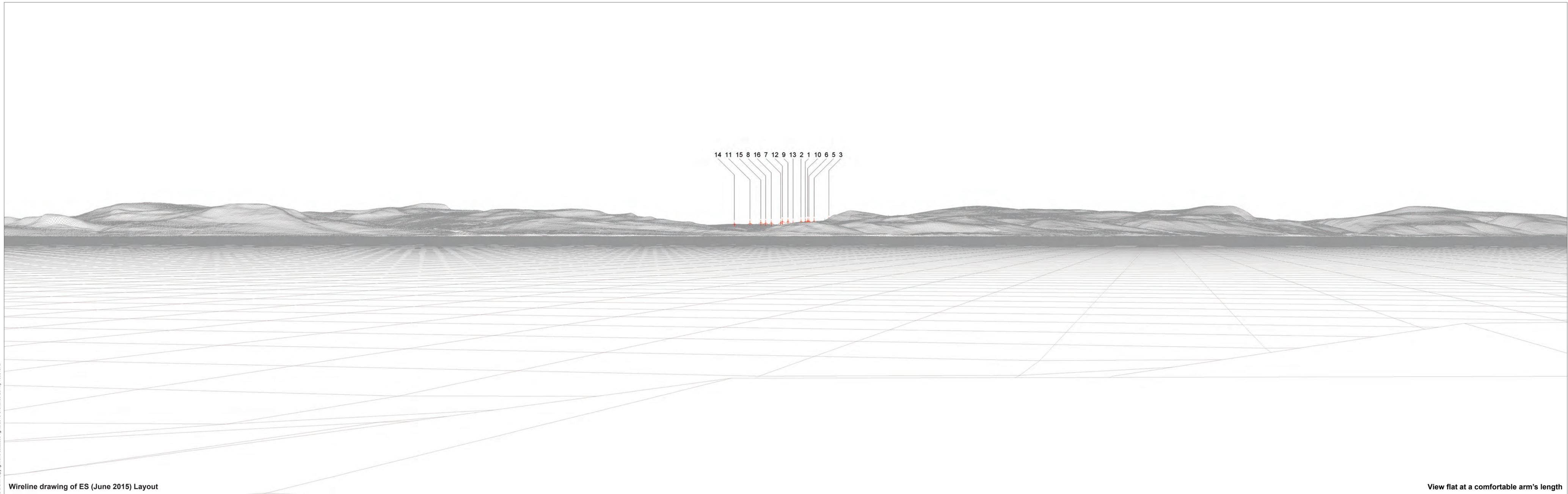


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 - ▼ 53.5 degree field of view viewpoint
 - Gordonbush Turbine Locations
- Gordonbush Extension FEI Layout Blade Tip ZTV
- No. of turbines that are theoretically visible
- 1 - 4
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Figure: 2.23a
SNH VISUALISATIONS VIEWPOINT 16:
PORTMAHOMACK
 Gordonbush Extension Wind Farm
 FEI



14 11 15 8 16 7 12 9 13 2 1 10 6 5 3

Wireline drawing of ES (June 2015) Layout

View flat at a comfortable arm's length

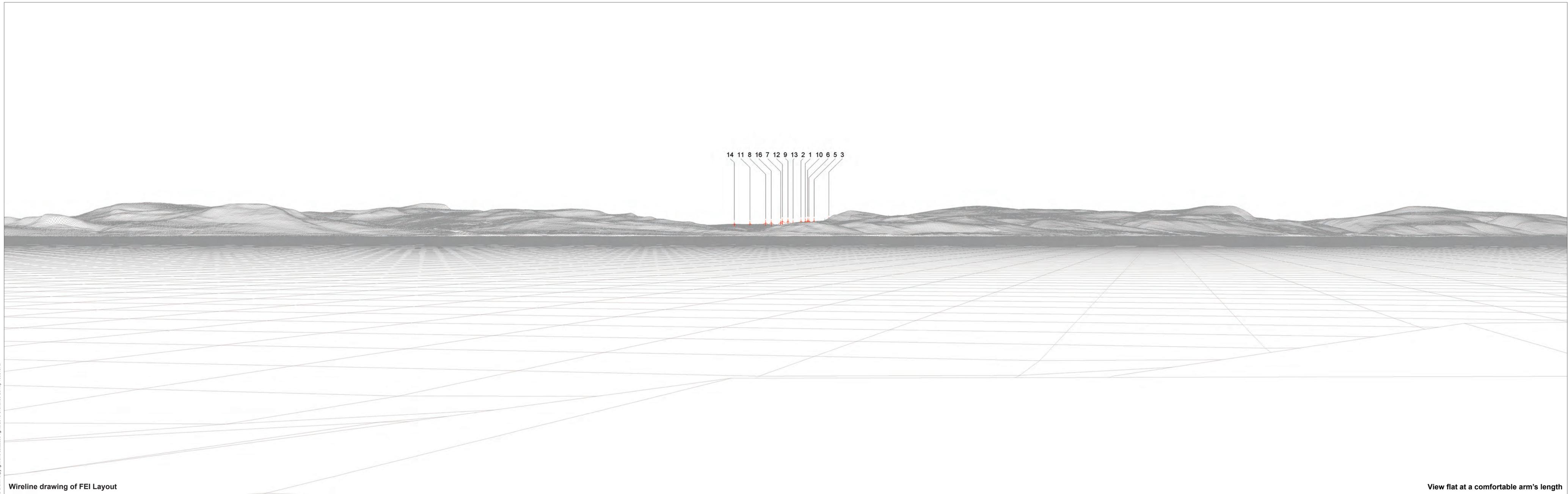
OS reference: 291545 E 884832 N
 Eye level: 5.5 m AOD
 Direction of view: 346.5°
 Nearest turbine: 28.385 km

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: Canon EOS 5D Mk2
 Lens: 50mm (Canon EF 50mm f/1.4)
 Camera height: 1.5 m AGL
 Date and time: 04/03/15 12:14

Figure: 2.23b ES (June 2015) Layout
 SNH Viewpoint 16: Portmahomack

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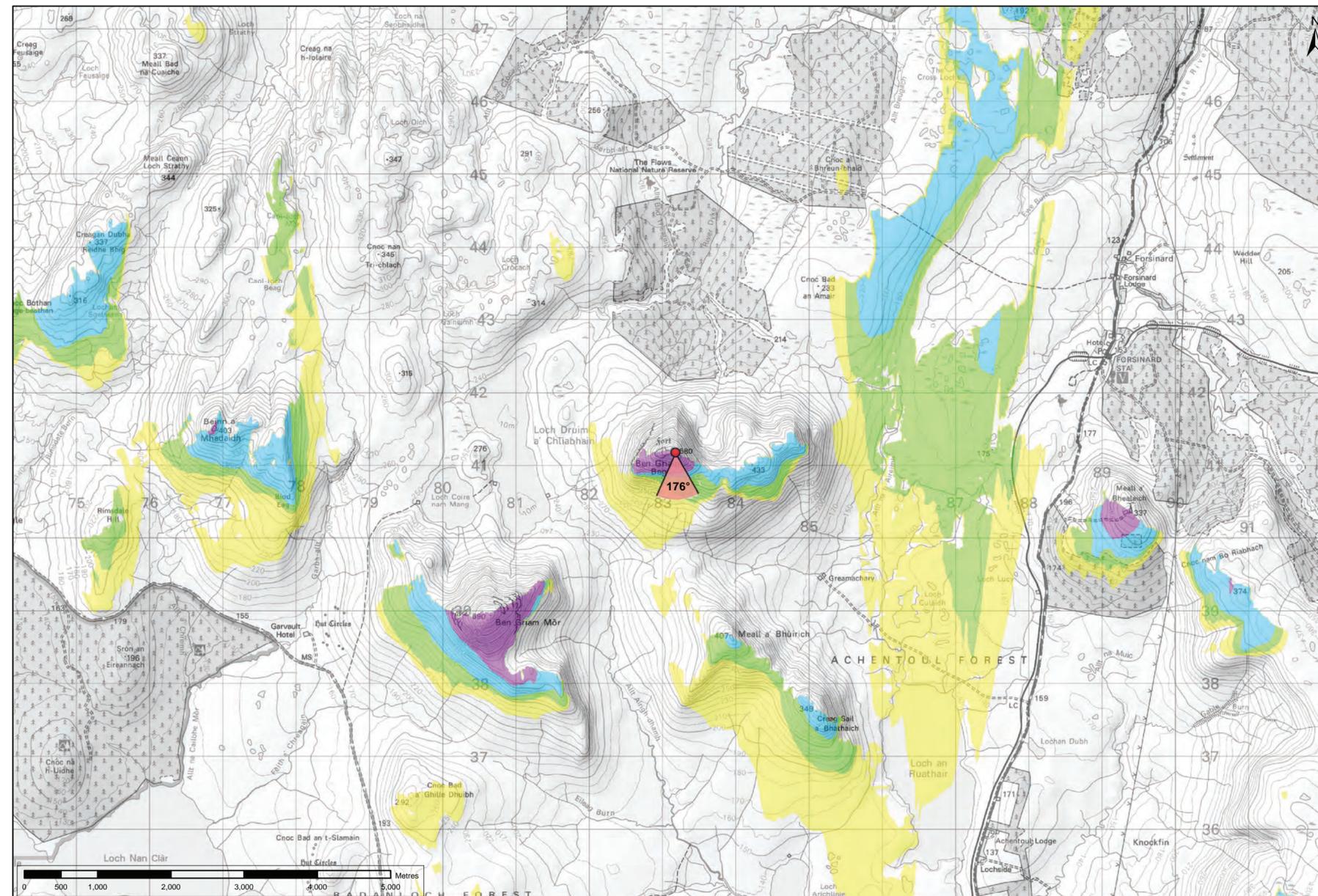


Wireline drawing of FEI Layout

View flat at a comfortable arm's length

<p>OS reference: 291545 E 884832 N Eye level: 5.5 m AOD Direction of view: 346.5° Nearest turbine: 28.385 km</p>	<p>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</p>	<p>Camera: Canon EOS 5D Mk2 Lens: 50mm (Canon EF 50mm f/1.4) Camera height: 1.5 m AGL Date and time: 04/03/15 12:14</p>	<p>Figure: 2.23c FEI Layout SNH Viewpoint 16: Portmahomack</p>
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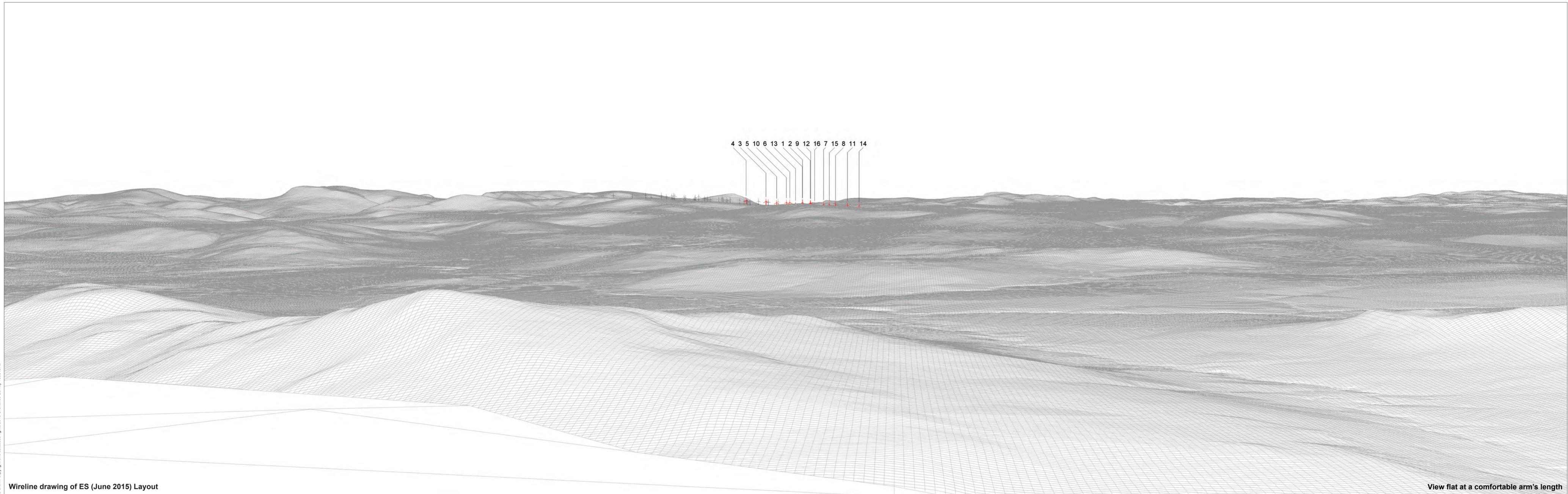
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Gordonbush Extension FEI Layout Blade Tip ZTV

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- 9 - 12
- 13 - 15

Figure: 2.23a
SNH VISUALISATIONS VIEWPOINT 17:
BEN GRIAM BEG
 Gordonbush Extension Wind Farm
 FEI



4 3 5 10 6 13 1 2 9 12 16 7 15 8 11 14

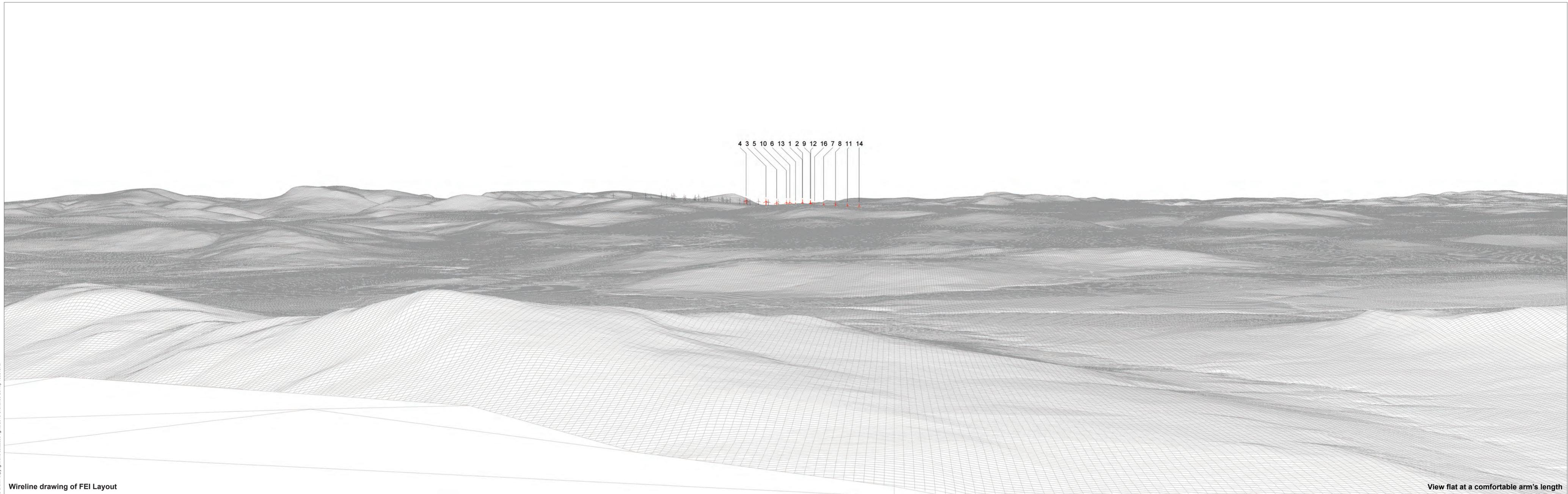
Wireline drawing of ES (June 2015) Layout

View flat at a comfortable arm's length

OS reference:	283180 E 941176 N	Horizontal field of view:	53.5° (planar projection)	Camera:	Canon EOS 5D Mk2
Eye level:	577.5 m AOD	Principal distance	812.5 mm	Lens:	50mm (Canon EF 50mm f/1.4)
Direction of view:	176°	Paper size:	841 x 297 mm (half A1)	Camera height:	1.5 m AGL
Nearest turbine:	26.376 km	Correct printed image size:	820 x 260 mm	Date and time:	02/09/2014 14:00

Figure: 2.24b ES (June 2015) Layout
SNH Viewpoint 17: Ben Griam Beg

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4 3 5 10 6 13 1 2 9 12 16 7 8 11 14

Wireline drawing of FEI Layout

View flat at a comfortable arm's length

OS reference:	283180 E 941176 N	Horizontal field of view:	53.5° (planar projection)	Camera:	Canon EOS 5D Mk2
Eye level:	577.5 m AOD	Principal distance	812.5 mm	Lens:	50mm (Canon EF 50mm f/1.4)
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Figure: 2.24c FEI Layout
SNH Viewpoint 17: Ben Griam Beg

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