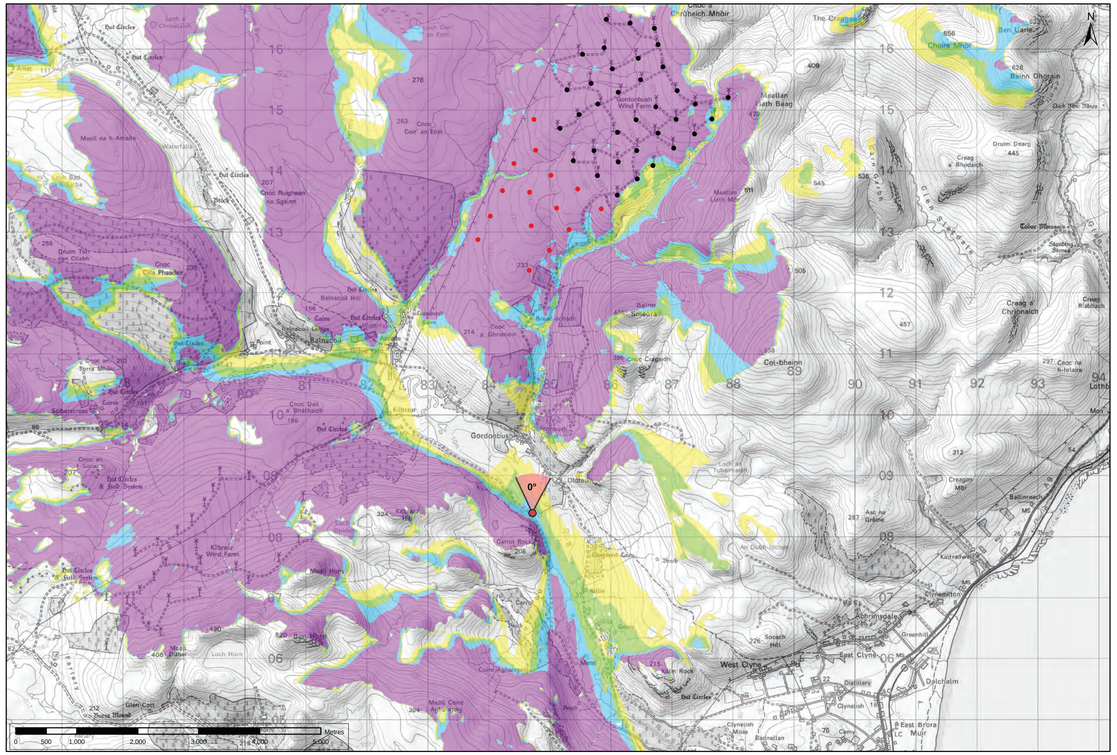

Viewpoint Location Plan
Scale: 1:50,000 (Blade Tip ZTV)

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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sse open optimised environments

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: 2.9a
SNH VISUALISATIONS VIEWPOINT 2: LOCH BRORA (SOUTH-WEST SIDE)

Gordonbush Extension Wind Farm FEI

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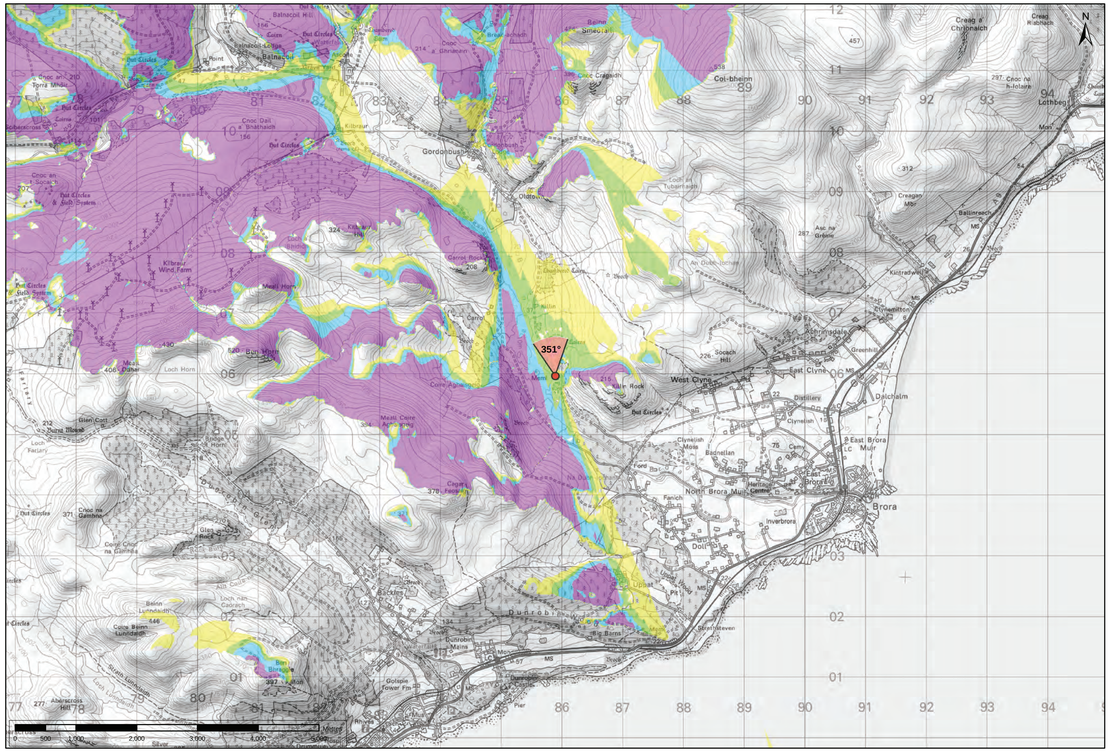
Wireline drawing of ES (June 2015) Layout

View flat at a comfortable arm's length

OS reference:	284710 E 908389 N	**Horizontal field of view:**	53.5° (planar projection)	**Camera:**	Canon EOS 5D Mk2
Eye level:	31.5 m AOD	**Principal distance**	812.5 mm	**Lens:**	50mm (Canon EF 50mm f/1.4)
Direction of view:	0°	**Paper size:**	841 x 297 mm (half A1)	**Camera height:**	1.5 m AGL
Nearest turbine:	3.981 km	**Correct printed image size:**	820 x 260 mm	**Date and time:**	23/07/2014 16:29

Figure: 2.9b ES (June 2015) Layout
SNH Viewpoint 2: Loch Brora (south-west side)



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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sse open optimised environments

Key

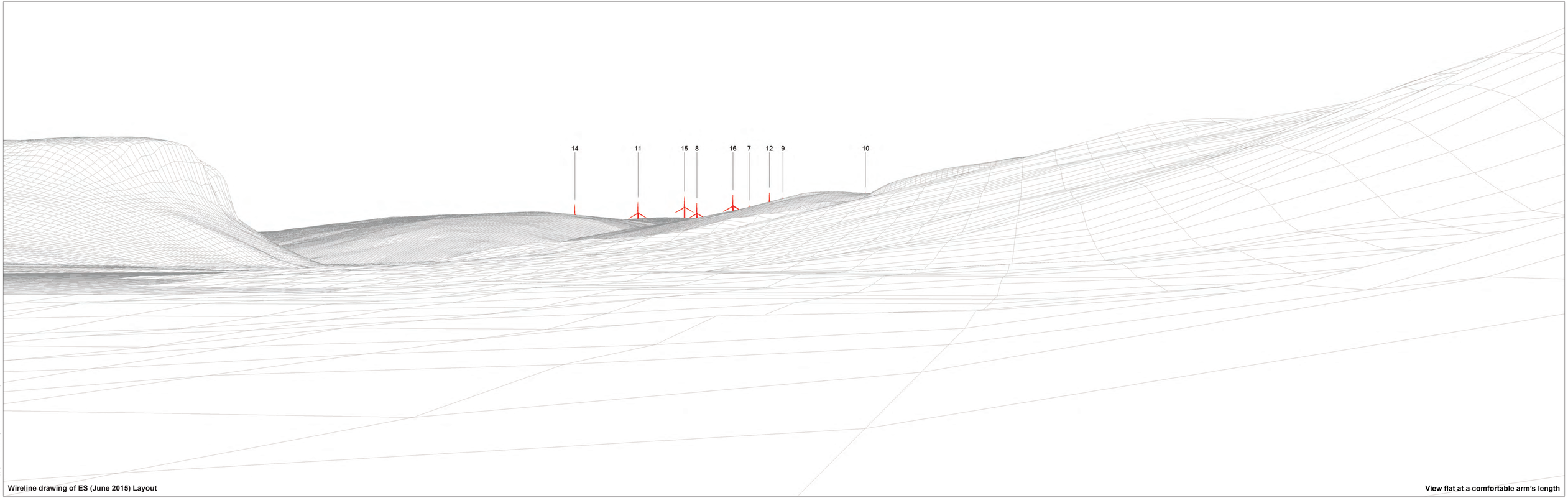
- Gordonbush Extension FEI Layout
- 53.5 degree field of view viewpoint
- Gordonbush Turbine Locations

Gordonbush Extension FEI Layout Blade Tip ZTV
No. of turbines that are theoretically visible

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

Figure: 2.10a
SNH VISUALISATIONS VIEWPOINT 3: BRORA TO ROGART MINOR ROAD SOUTH OF KILLIN

Gordonbush Extension Wind Farm FEI



Wireline drawing of ES (June 2015) Layout

View flat at a comfortable arm's length

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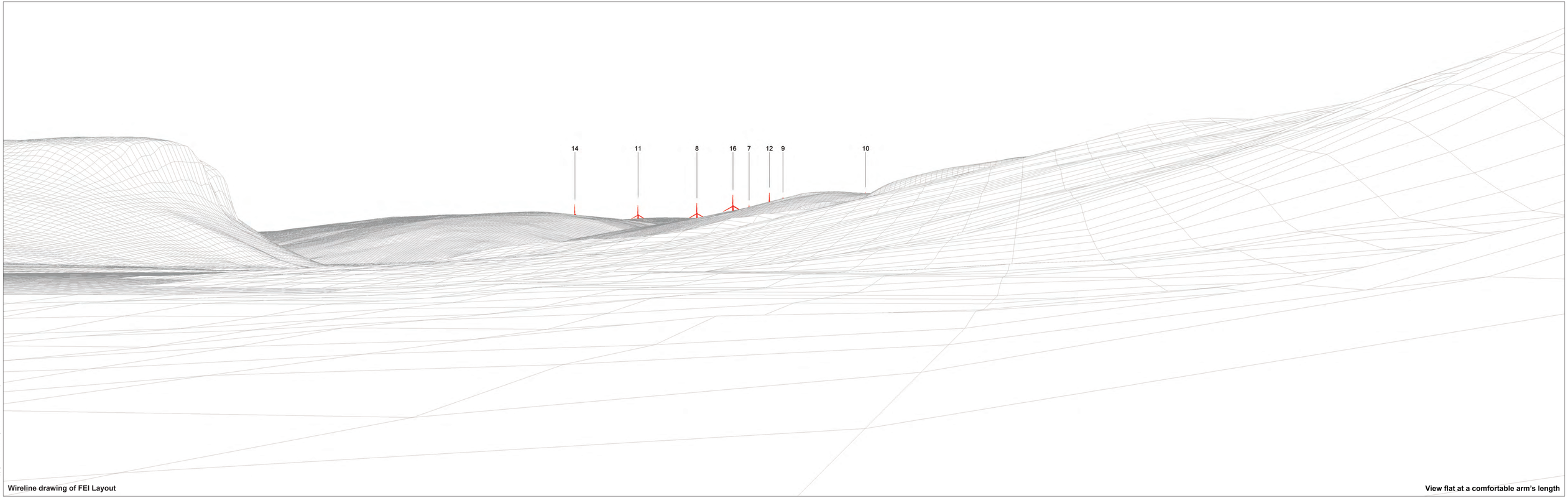
OS reference:	285892 E 905961 N	**Horizontal field of view:**	53.5° (planar projection)	**Camera:**	Canon EOS 5D Mk2
Eye level:	32.5 m AOD	**Principal distance**	812.5 mm	**Lens:**	50mm (Canon EF 50mm f/1.4)
Direction of view:	351°	**Paper size:**	841 x 297 mm (half A1)	**Camera height:**	1.5 m AGL
Nearest turbine:	6.526 km	**Correct printed image size:**	820 x 260 mm	**Date and time:**	19/11/14, 10:15

Figure: 2.10b ES (June 2015) Layout
SNH Viewpoint 3: Brora to Rogart minor road south of Killin



Wireline drawing of FEI Layout

View flat at a comfortable arm's length

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OS reference:	285892 E 905961 N	**Horizontal field of view:**	53.5° (planar projection)	**Camera:**	Canon EOS 5D Mk2
Eye level:	32.5 m AOD	**Principal distance**	812.5 mm	**Lens:**	50mm (Canon EF 50mm f/1.4)
Direction of view:	351°	**Paper size:**	841 x 297 mm (half A1)	**Camera height:**	1.5 m AGL
Nearest turbine:	6.526 km	**Correct printed image size:**	820 x 260 mm	**Date and time:**	19/11/14, 10:15

Figure: 2.10c FEI Layout
SNH Viewpoint 3: Brora to Rogart minor road south of Killin

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OS reference:	285892 E 905961 N	**Horizontal field of view:**	53.5° (planar projection)	**Camera:**	Canon EOS 5D Mk2
Eye level:	32.5 m AOD	**Principal distance**	812.5 mm	**Lens:**	50mm (Canon EF 50mm f/1.4)
Direction of view:	351°	**Paper size:**	841 x 297 mm (half A1)	**Camera height:**	1.5 m AGL
Nearest turbine:	6.526 km	**Correct printed image size:**	820 x 260 mm	**Date and time:**	19/11/14, 10:15

Figure: 2.10d FEI Layout (ES Figure: 7.19d)
SNH Viewpoint 3: Brora to Rogart minor road south of Killin