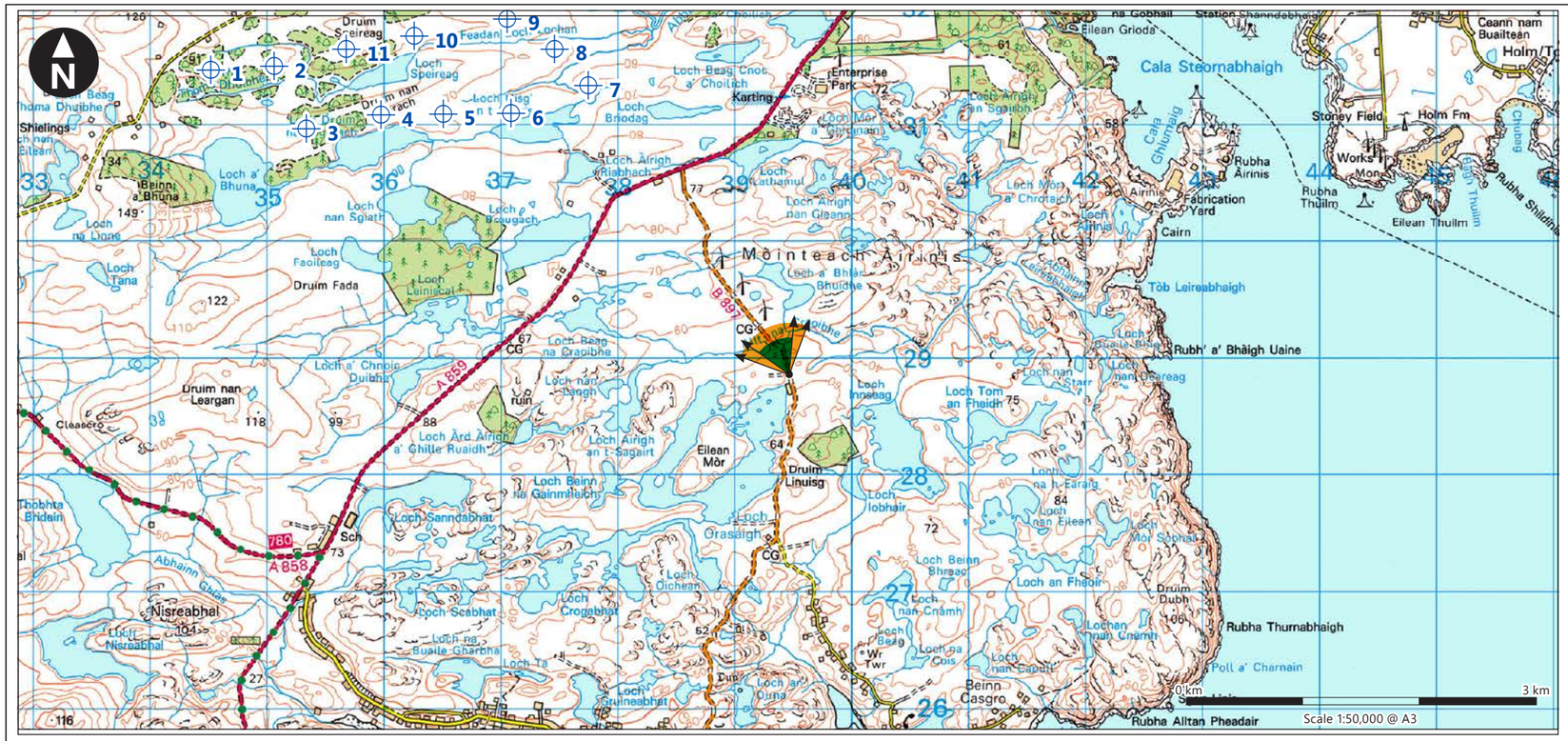

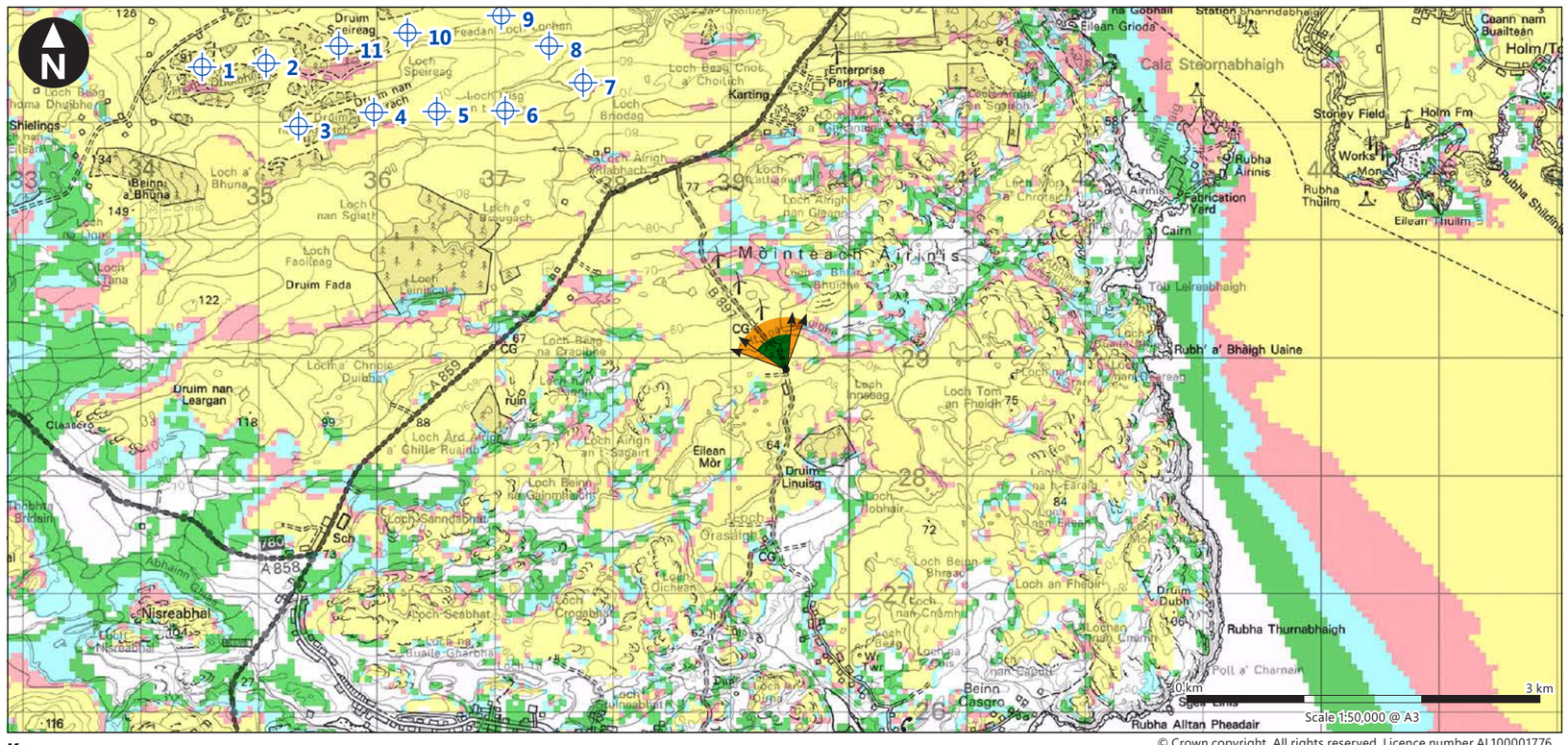

Key

- 90° horizontal field of view
- 60° horizontal field of view
- 1 - 8 blade tips may be visible
- 9 - 17 blade tips may be visible
- 18 - 26 blade tips may be visible
- 27 - 35 blade tips may be visible

Viewpoint Parameters

OS reference:	E139 470, N928 857
Ground Level Elevation:	58m AOD
Camera Height:	1.5m AGL
Direction of view to site centre[3]:	335°
Distance to nearest turbine:	3,018m
Number of blade tips theoretically visible[4]:	35
Number of hubs theoretically visible[4]:	31
Date and time of viewpoint photography:	30/10/2018 @ 12:50
Camera:	Canon EOS 5D Mk2
Lens:	50mm (Canon EF 50mm f/1.8)

Information on the limitations of visualisations:

Visualisations of wind farms have a number of limitations which you should be aware of when using them to form a judgement on a wind farm proposal. These include:

- A visualisation can never show exactly what the wind farm will look like in reality due to factors such as: different lighting, weather and seasonal conditions which vary through time and the resolution of the image;
- The images provided give a reasonable impression of the scale of the turbines and the distance to the turbines, but can never be 100% accurate;
- A static image cannot convey turbine movement, or flicker or reflection from the sun on the turbine blades as they move;
- The viewpoints illustrated are representative of views in the area, but cannot represent visibility at all locations;
- To form the best impression of the impacts of the wind farm proposal these images are best viewed at the viewpoint location shown;
- The images must be printed at the right size to be viewed properly (260mm by 820mm);
- You should hold the images flat at a comfortable arm's length. If viewing these images on a wall or board at an exhibition, you should stand at arm's length from the image presented.
- The ZTV presented here takes no account of the screening effects of vegetation or buildings.

Additonal notes:

1. This figure has been based on the following parameters:
Turbine layout file: LSTORNOWAY045.WFL

• Hub height: 105m/88m
• Rotor diameter: 150m/136m
• Height to blade tip: 180m/156m

2. Turbine positions could be subject to micro-siting (typically up to 50m).

3. Direction given as bearing relative to Grid North (BNG).

4. The number of turbine blades and hubs theoretically visible is counted from the wireline in sets of 3 and ignores the screening effects of any intervening objects and forestry.

Client

Lewis Wind Power
Cumhachd Gaoithe

Stornoway Wind Farm
EIA Report

Figure 6.49a
Viewpoint 27: B897 Approach to A859

March 2019

wood.

Wind Farm Key: Stornoway Wind Farm | Existing | Consented

OS reference:	E139 470 , N928 857	Horizontal field of view:	90° (cylindrical projection)	Camera:	Canon EOS 5D Mk2
Eye level:	59.5m AOD	Principal distance:	522mm	Lens:	50mm (Canon EF 50mm f/1.8)
Direction of view:	336°	Paper size:	841mm x 297mm (half A1)	Camera height:	1.5m AGL
Nearest turbine:	3,018m	Correct printed image size:	820 x 130mm	Date and time:	30/10/2018 12:50

Client

Lewis Wind Power
Cumhachd Gaoithe

Stornoway Wind Farm
EIA Report

Figure 6.49b
Viewpoint 27: B897 Approach to A859

March 2019

wood.

H:\Projects\40001 Stornoway Optimisation Feasibility Study\D040\Drawings\40001-GOS292.indd   Originator: brycc

Wireline drawing

View flat at a comfortable arm's length

Wind Farm Key: Stornoway Wind Farm | Existing | Consented

Note:
In order to show all of the turbines on this wireline and the photomontage over the page, the planer projection has been increased from the standard 53.5° field of view to 60° field of view with the permission of SNH. The scale of the turbines remains unchanged and otherwise accords with the SNH Visual Representation of Wind Farms Guidance: Version 2.2, February 2017.

OS reference:	E139 470 , N928 857	Horizontal field of view:	60° (planar projection)	Camera:	Canon EOS 5D Mk2
Eye level:	59.5m AOD	Principal distance:	812.5mm	Lens:	50mm (Canon EF 50mm f/1.8)
Direction of view:	336°	Paper size:	939.6mm x 297mm	Camera height:	1.5m AGL
Nearest turbine:	3,018m	Correct printed image size:	919.6 x 260mm	Date and time:	30/10/2018 12:50

Client
Lewis Wind Power
Cumhachd Gaoithe

Stornoway Wind Farm
EIA Report

Figure 6.49c
Viewpoint 27: B897 Approach to A859

March 2019

wood.

H:\Projects\40001 Stornoway Optimisation Feasibility Study\D040\Drawings\40001-GOS292.indd   Originator: brycc

Note:
In order to show all of the turbines on this photomontage and the wireframe on the previous page, the planer projection has been increased from the standard 53.5° field of view to 60° field of view with the permission of SNH. The scale of the turbines remains unchanged and otherwise accords with the SNH Visual Representation of Wind Farms Guidance: Version 2.2, February 2017.

OS reference:	E139 470 , N928 857	Horizontal field of view:	60° (planar projection)	Camera:	Canon EOS 5D Mk2
Eye level:	59.5m AOD	Principal distance:	812.5mm	Lens:	50mm (Canon EF 50mm f/1.8)
Direction of view:	336°	Paper size:	939.6mm x 297mm	Camera height:	1.5m AGL
Nearest turbine:	3,018m	Correct printed image size:	919.6 x 260mm	Date and time:	30/10/2018 12:50

Client
Lewis Wind Power
Cumhachd Gaoithe

Stornoway Wind Farm
EIA Report

Figure 6.49d
Viewpoint 27: B897 Approach to A859

March 2019

wood.

Photomontage

View flat at a comfortable arm's length

OS reference:	E139 470 , N928 857	Horizontal field of view:	90º (cylindrical projection)	Camera:	Canon EOS 5D Mk2
Eye level:	59.5m AOD	Principal distance:	522mm	Lens:	50mm (Canon EF 50mm f/1.8)
Direction of view:	336º	Paper size:	841mm x 297mm (half A1)	Camera height:	1.5m AGL
Nearest turbine:	3,018m	Correct printed image size:	820 x 260mm	Date and time:	30/10/2018 12:50

Client

Lewis Wind Power
Cumhachd Gaoithe

Stornoway Wind Farm
EIA Report

Figure 6.49e
Viewpoint 27: B897 Approach to A859

March 2019

wood.

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