



# CAIRNMORE HILL WIND FARM

## FIGURE 5.2.13

VIEWPOINT 13:  
EASTER HEAD LIGHT HOUSE CAR PARK

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2022 ORDNANCE SURVEY 0100031673

- Turbine layout (PSCOhof060)
  - 5km intervals from outer turbines
  - 40km LVIA study area
  - ⊙ Viewpoint
  - 53.5° Field of View
  - 90° Field of View
- Theoretical wind farm visibility (138.5m)**
- 1 turbine visible
  - 2 turbines visible
  - 3 turbines visible
  - 4 turbines visible
  - 5 turbines visible

Notes:  
The ZTV is calculated to turbine tip height (138.5m) from a viewing height of 2m above ground level. The terrain model assumes bare ground. The data for a 45km buffer around the turbines is derived from OS Terrain 5 height data (obtained from EMapSite in July 2022). The data for extents beyond 45km is derived from OS Terrain 50 height data (obtained from Ordnance Survey in July 2019). Earth curvature and atmospheric refraction have been taken into account. The ZTV was calculated using ArcMap 10.8.1 software.



Data source: RES, LUC, SNH, NC500

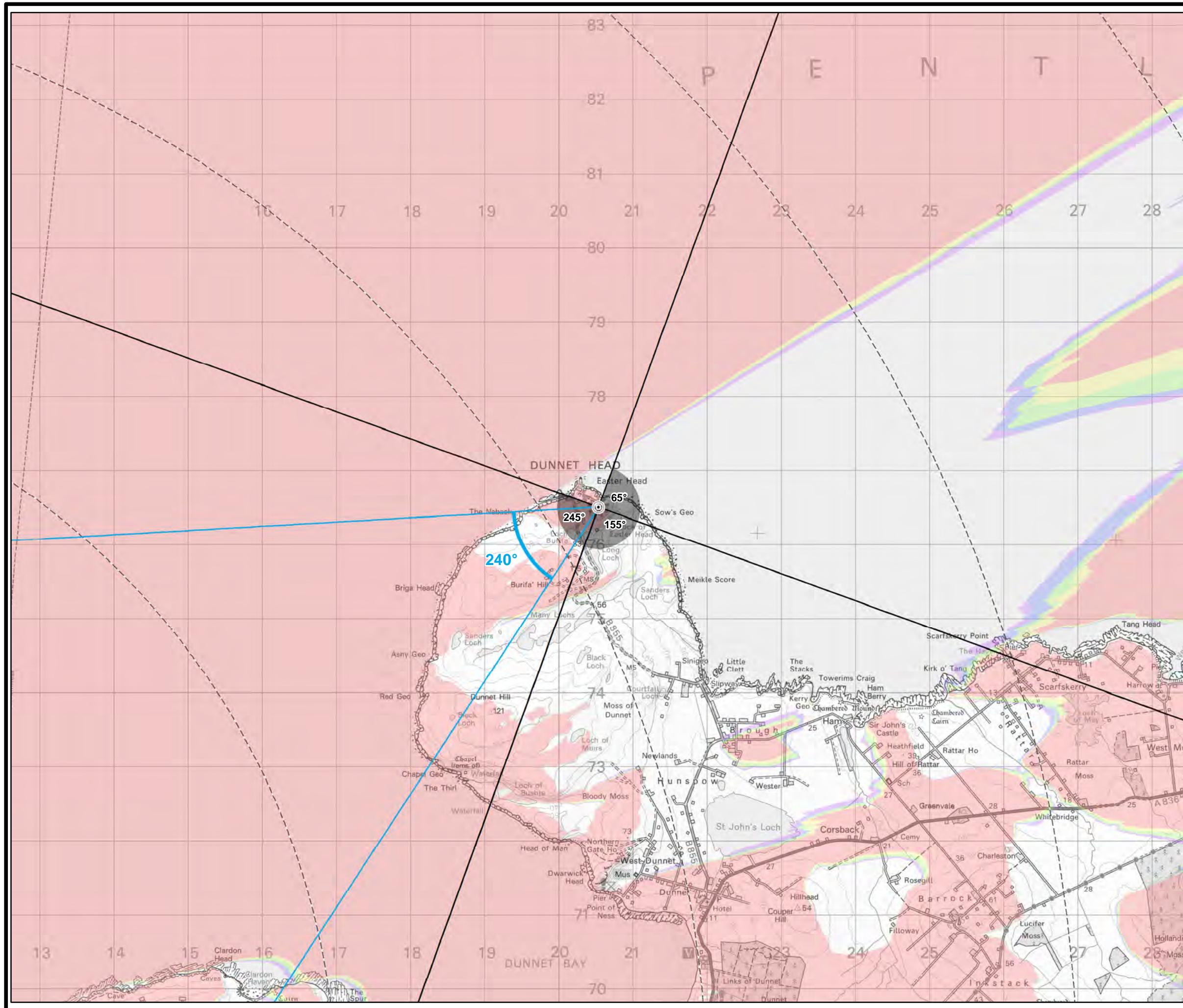
LAYOUT DWG: PSCOhof060

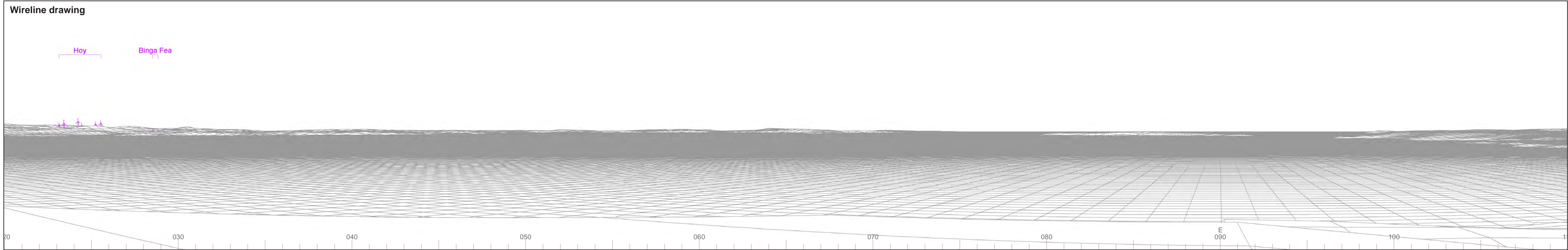
DRAWING NUMBER: FIG5-2-X\_11524\_r0\_VPOverview\_A3L

SCALE - 1:50,000 @ A3

LANDSCAPE AND VISUAL IMPACT ASSESSMENT, 2022

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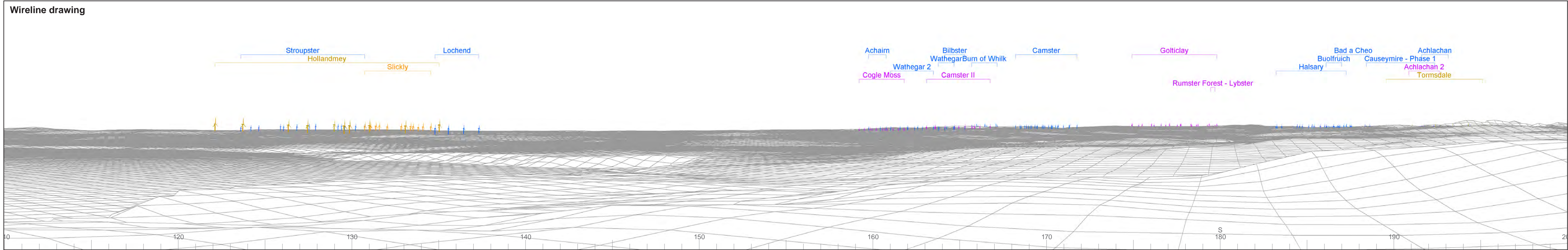


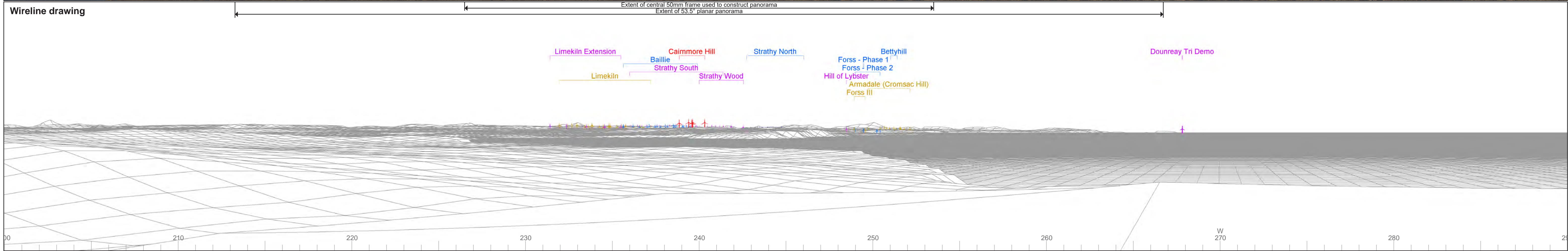




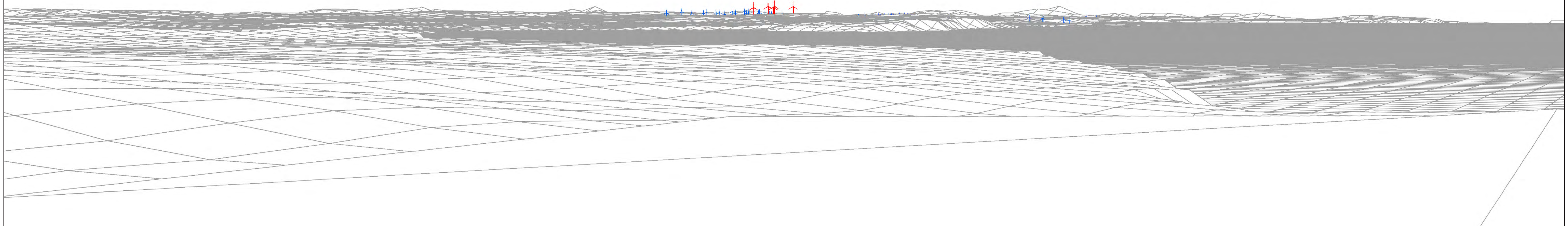
Baseline photograph

This image provides landscape and visual context only





1 4 2 5 3



Wireline drawing

View flat at a comfortable arm's length

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OS reference: 320533E 976502N  
AOD: 123 m  
Direction of view: 240°  
Nearest turbine: 15.69 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

Wind Farm Developments key  
(by status):  
Proposed scheme  
Operational

Cairnmore Hill  
Figure: 5.2.13d  
Viewpoint 13: Easter Head Lighthouse car park



Photomontage

View flat at a comfortable arm's length



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AOD: 123 m  
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Principal distance: 812.5 mm  
Paper size: 841 x 297 mm (half A1)  
Correct printed image size: 820 x 260 mm

Camera: Nikon D750  
Lens: 50mm Fixed Focal Length  
Camera height: 1.5 m

Photography Date: 11/02/2022  
Photography Time: 10:35

Cairnmore Hill  
**Figure: 5.2.13e**  
**Viewpoint 13: Easter Head Light House car park**