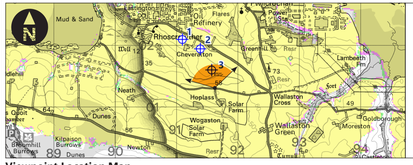

Key

120° horizontal field of view

Rhoscrowther wind turbine

Zone of Theoretical Visibility

3 blade tips may be visible

2 blade tips may be visible

1 blade tip may be visible

0 km 3 km

Scale 1:50,000 @ A1

Viewpoint Location Map

Viewpoint locational data

OS grid reference:	E191 634, N201 330
Ground level elevation (at camera location):	58m AOD
Eye level:	59.5m AOD
Direction of view:	347°

Camera data

Camera:	Canon EOS 5D MkIII
Lens:	35mm (Samyang 35mm f/1.4)
Camera height:	1.5m AGL
Date and time:	15/06/2020 10:15

Image data

Horizontal field of view	120° (cylindrical projection)
Principal distance:	400mm
Paper size:	841mm x 297mm (half A1)
Correct printed image size:	820 x 200mm

Rhoscrowther wind turbine data

Candidate wind turbine:	Vesta V117 - up to 4.3MW Typhoon
Hub height:	76.5m
Rotor diameter:	117m
Height to blade tip:	135m

Predicted wireframe view data

Horizontal field of view occupied by turbines:	38°
Distance to nearest / furthest turbines:	277m (T3) / 937m (T1)
Number of blade tips theoretically visible:	3
Number of hubs theoretically visible:	3

Other wind farm data

Wear Point	Castle Pill	Lower Scoveston Farm	Crican Farm	Scoveston Park
Hub height: 59m	**Hub height:** 50m	**Hub height:** 46m	**Hub height:** 48m	**Hub height:** 55.6m
Rotor diameter: 82m	**Rotor diameter:** 52m	**Rotor diameter:** 56m	**Rotor diameter:** 56m	**Rotor diameter:** 48m
Height to blade tip: 100m	**Height to blade tip:** 76m	**Height to blade tip:** 74m	**Height to blade tip:** 76m	**Height to blade tip:** 79.6m

Rhoscrowther Wind Farm
Rhoscrowther Wind Farm Limited

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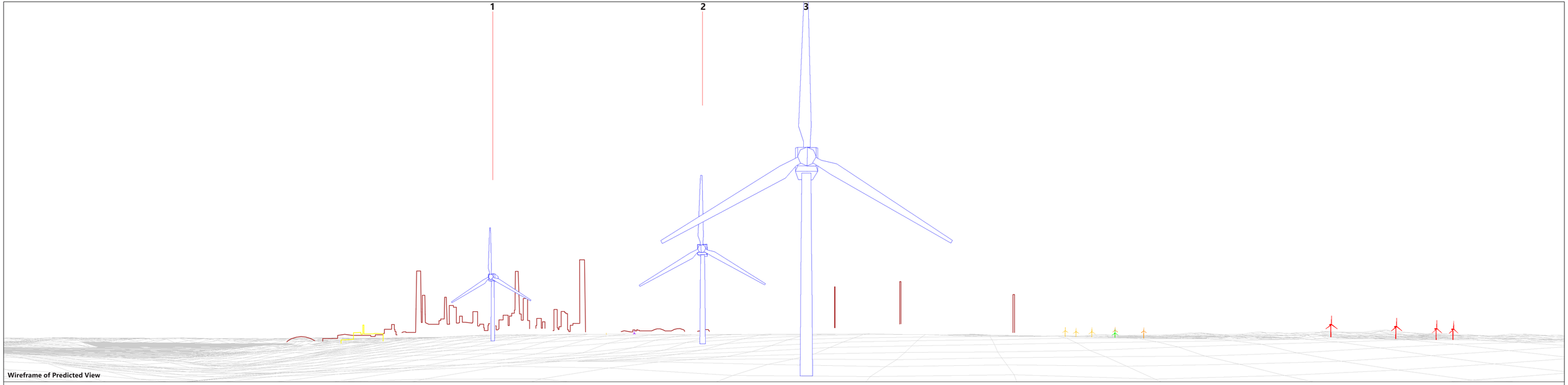
Commissioned by: H:B:A Environment, prepared by: Wood plc.

Figure 5.21a
Viewpoint VP01
Bridleway North of Hoplass



Wireframe of Predicted View

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Figure 5.21b
Viewpoint VP01
Bridleway North of Hoplass

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Figure 5.21c
Viewpoint VP01
Bridleway North of Hoplass