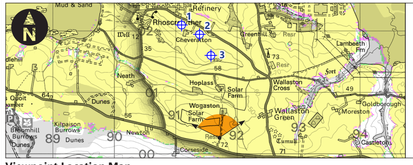

Key

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		Camera data		Image data		Rhoscrowther wind turbine data		Predicted wireframe view data	
OS grid reference:	E191 728, N200 249	**Camera:**	Canon EOS 5D MkII	**Horizontal field of view**	120° (cylindrical projection)	**Candidate wind turbine:**	Vesta V117 - up to 4.3MW Typhoon	**Horizontal field of view occupied by turbines:**	16°
Ground level elevation (at camera location):	70m AOD	**Lens:**	50mm	**Principal distance:**	400mm	**Hub height:**	76.5m	**Distance to nearest / furthest turbines:**	1,360m (T3) / 1,953m (T1)
Eye level:	71.5m AOD	**Camera height:**	1.5m AGL	**Paper size:**	841mm x 297mm (half A1)	**Rotor diameter:**	117m	**Number of blade tips theoretically visible:**	3
Direction of view:	356°	**Date and time:**	31/03/2015 11:59	**Correct printed image size:**	820 x 200mm	**Height to blade tip:**	135m	**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

Version: P02
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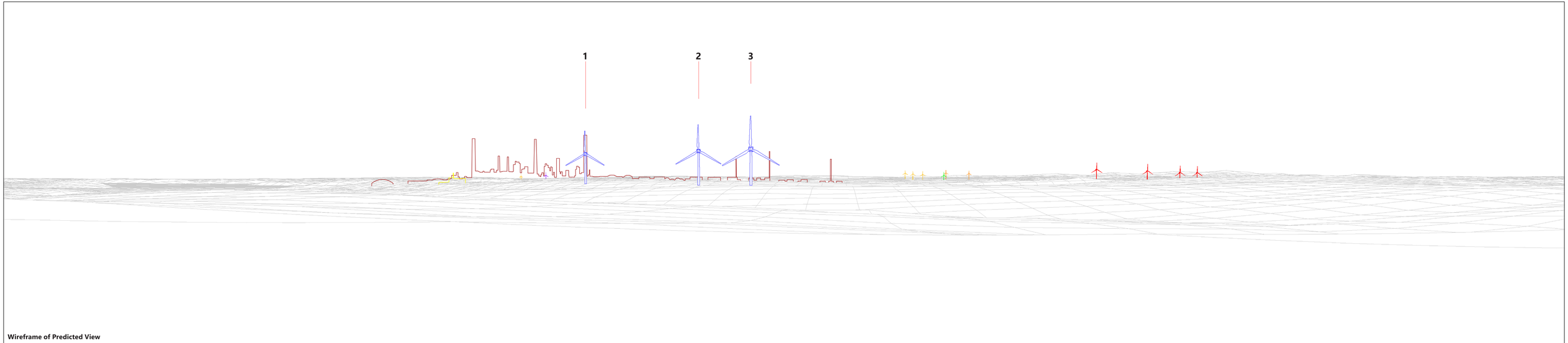
File reference: 42701-WOOD-XX-XX-FG-L-0012_S0
Commissioned by: H:B:A Environment, prepared by: Wood plc.

Figure 5.25a
Viewpoint VP05
Bridleway, South of Wogaston



Wireframe of Predicted View

Rhoscrowther Wind Farm
Rhoscrowther Wind Farm Limited

Version: P02
Date: 10/09/2021
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Figure 5.25b
Viewpoint VP05
Bridleway, South of Wogaston

Rhoscrowther Wind Farm
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Figure 5.25c
Viewpoint VP05
Bridleway, South of Wogaston