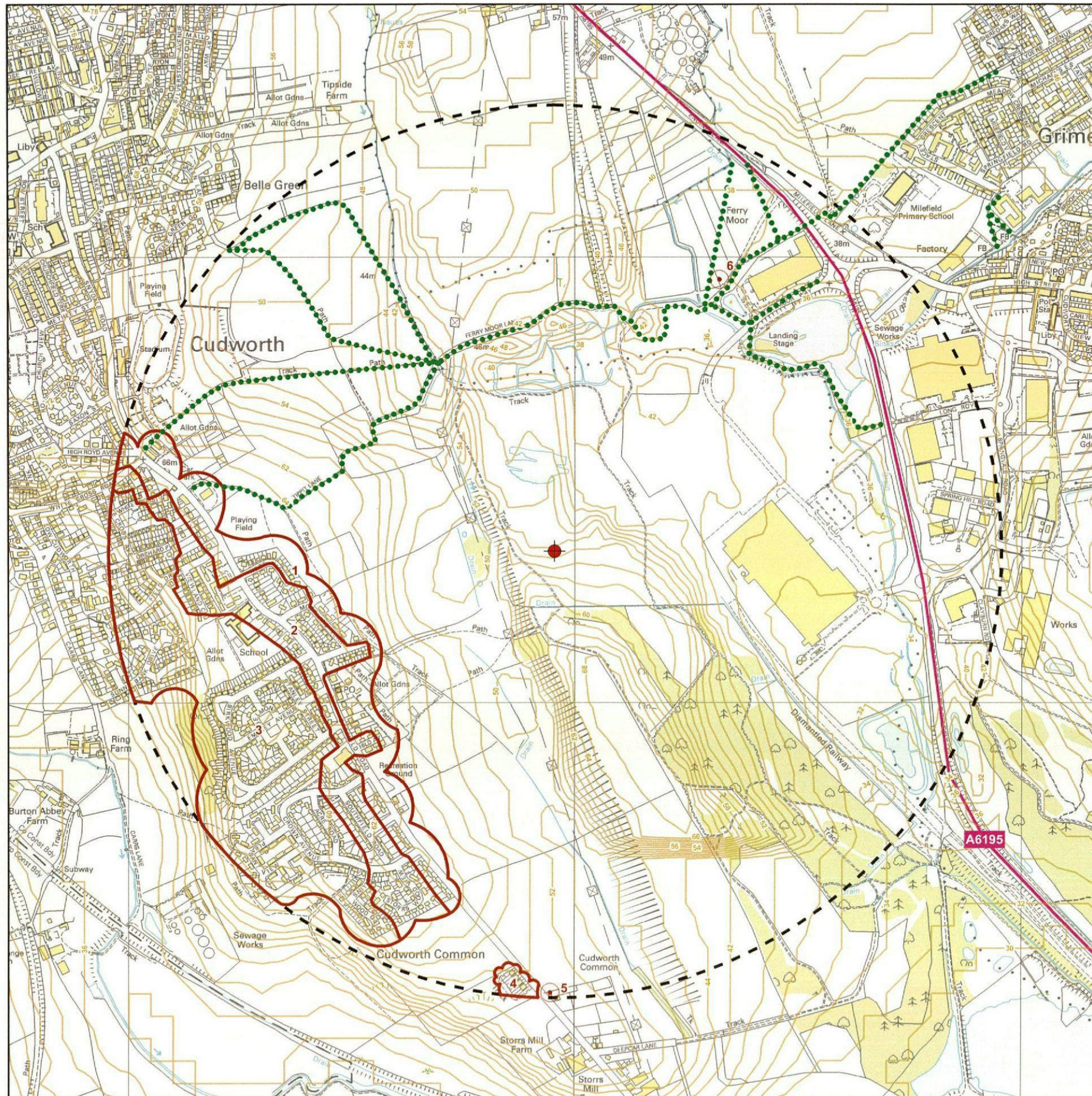




CO-OPERATIVE WIND TURBINE AT SHAFTON TWO GATES

Visual Receptors - Site Locality

Figure 22

KEY

-  North
-  Shafton Two Gates Turbine
-  Shafton Two Gates 10km Study Area Boundary
-  A Road
-  Public Right of Way
-  Residential Property within 1km of the Shafton Two Gates Turbine
 - 1 - Cudworth Residential Zone 1
 - 2 - Cudworth Residential Zone 2
 - 3 - Cudworth Residential Zone 3
 - 4 - Storrs Mill Lane
 - 5 - May Cottage
 - 6 - Dwelling on Ferrymoor Lane
-  2m Contour

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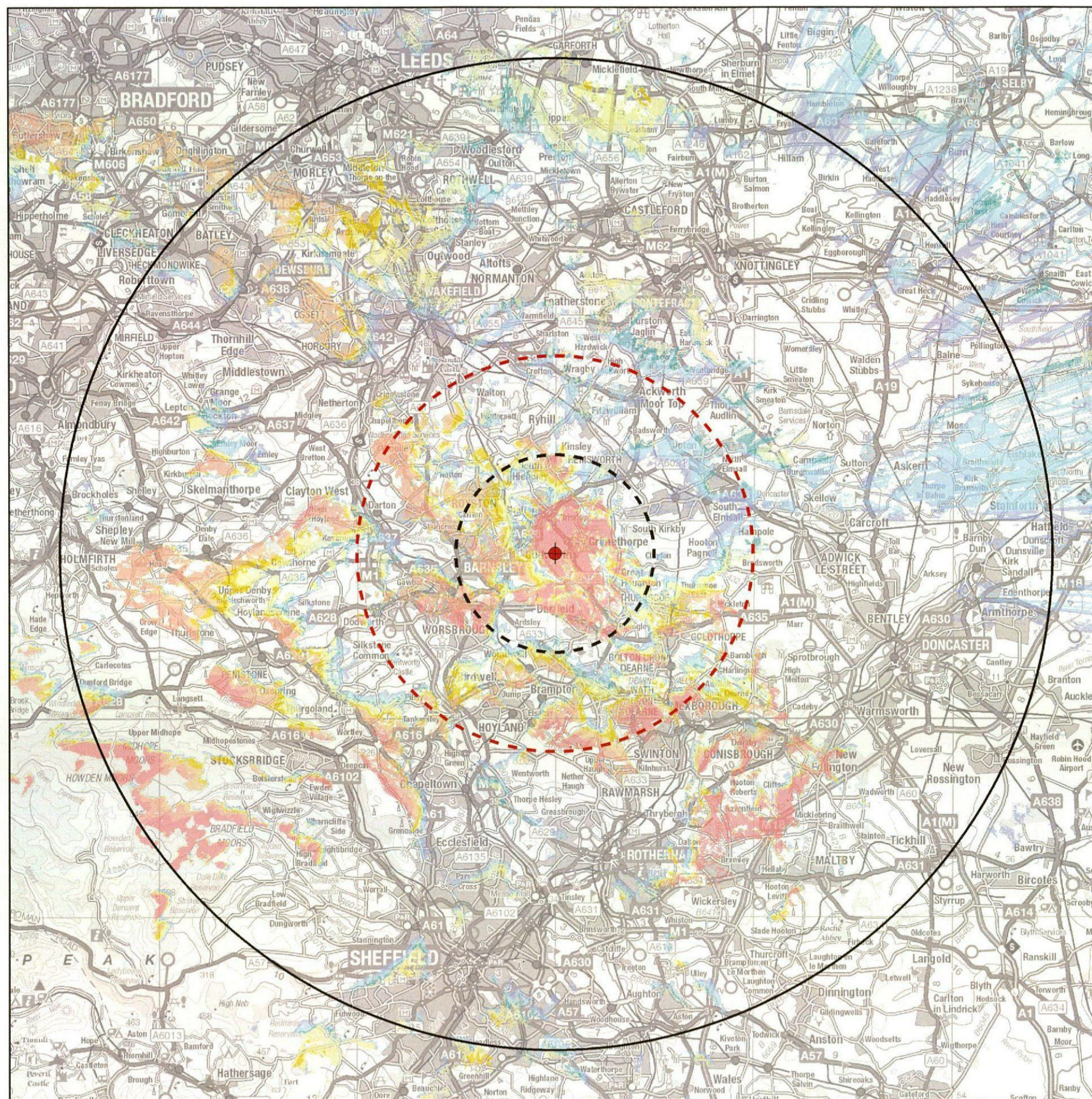
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CO-OPERATIVE WIND TURBINE AT SHAFTON TWO GATES

Surface Model Zone of Theoretical Visibility
(ZTV) 25km Radius
Figure 24

KEY



North



Shafton Two Gates Turbine



Shafton Two Gates 5km Radius

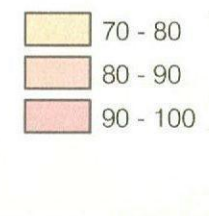
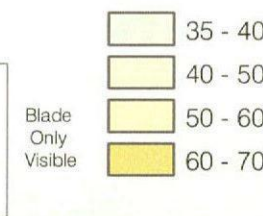
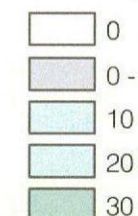


Shafton Two Gates 10km Study Area Boundary



Shafton Two Gates 25km Radius

Theoretical Visibility *
Percentage of Turbine Visible



Tower &
Rotor
Sweep
Visible

* The ZTV shows the percentage of the proposed turbine that is visible as a proportion of the overall height of the turbine. The ZTV was calculated using a digital surface model. This was created by merging OS Profile DTM data with woodland and building features identified in OS Vectormap data. The assessment assumed a building height of 6m, based on an average of two-storey house, and a woodland height of 10m, based on professional judgement and the UNFAO definition of woodland.

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CO-OPERATIVE WIND TURBINE AT SHAFTON TWO GATES

Surface Model Zone of Theoretical Visibility (ZTV)

Figure 25

KEY



North



Shafton Two Gates Turbine



Shafton Two Gates 10km Study Area Boundary



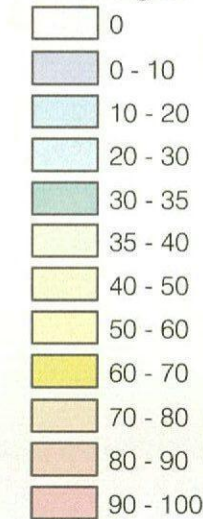
Woodland (Estimated Height of 10m)



Building (Estimated Height of 6m)

Theoretical Visibility *

Percentage of Turbine Visible



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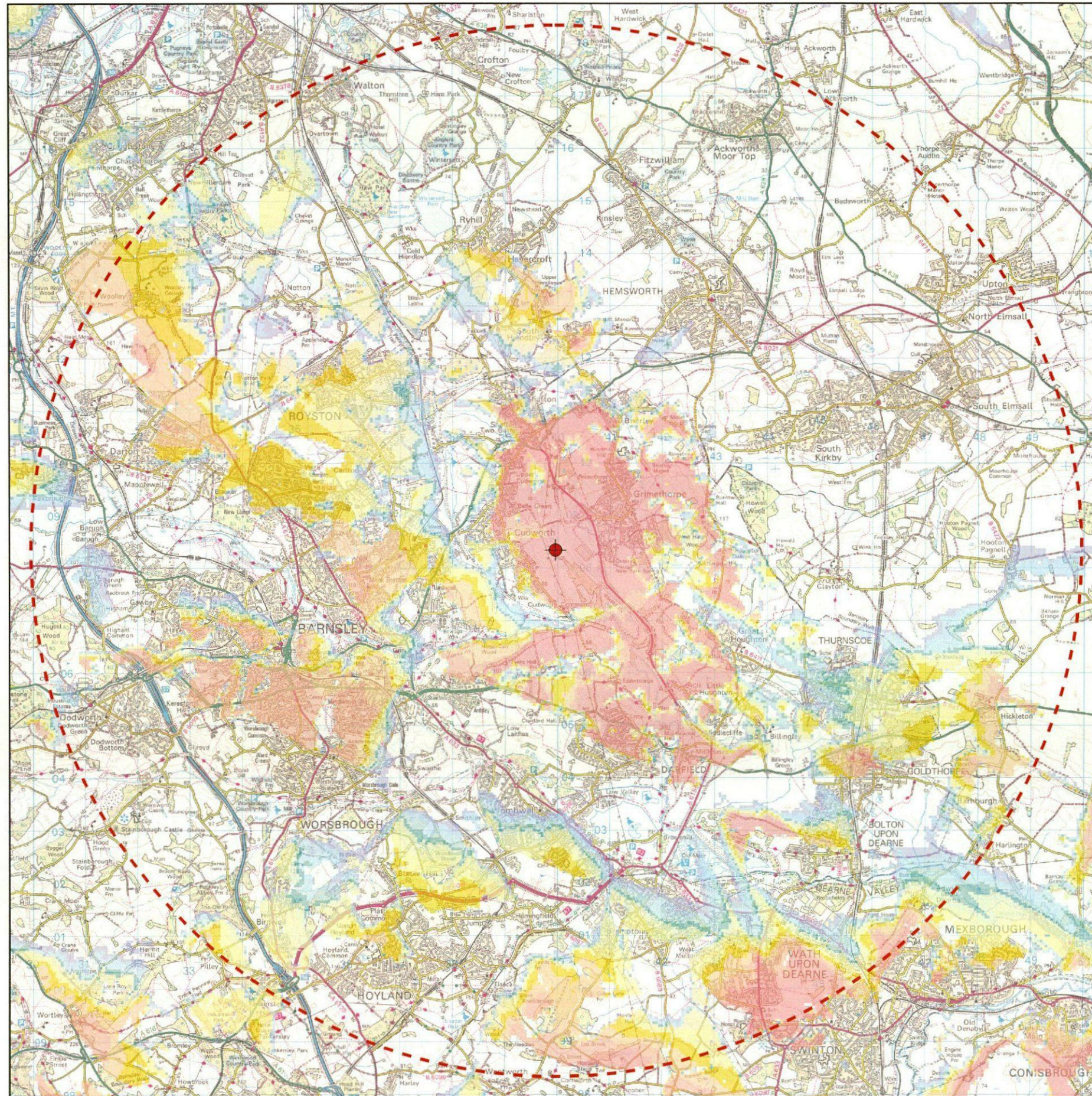
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* The ZTV shows the percentage of the proposed turbine that is visible as a proportion of the overall height of the turbine. The ZTV was calculated using a digital surface model. This was created by merging OS Profile DTM data with woodland and building features identified in OS Vectormap data. The assessment assumed a building height of 6m, based on an average of two-storey house, and a woodland height of 10m, based on professional judgement and the UNFAO definition of woodland.



CO-OPERATIVE WIND TURBINE AT SHAFTON TWO GATES

Terrain Model Zone of Theoretical Visibility (ZTV)

Figure 26

KEY



North



Shafton Two Gates Turbine



Shafton Two Gates 10km Study Area Boundary

Theoretical Visibility of the Shafton Two Gates Turbine

Percentage of Turbine Visible*

0	
0 - 10	Blade Only Visible
10 - 20	
20 - 30	
30 - 35	Hub & Rotor Sweep Visible
35 - 40	
40 - 50	
50 - 60	Tower & Rotor Sweep Visible
60 - 70	
70 - 80	
80 - 90	
90 - 100	

* The ZTV shows the percentage of the proposed turbine that is visible as a proportion of the overall height of the turbine.

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CO-OPERATIVE WIND TURBINE AT SHAFTON TWO GATES

Surface Model Zone of Theoretical Visibility (ZTV) Roads & Long Distance Walking Routes

Figure 27

KEY



North



Shafton Two Gates Turbine



Shafton Two Gates 10km Study Area Boundary



Woodland (Estimated Height of 10m)



Building (Estimated Height of 6m)

Theoretical Visibility * - Percentage of Turbine Visible



0



0 - 10



10 - 20



20 - 30



30 - 35



35 - 40



40 - 50



50 - 60



60 - 70

Blade
Only
Visible

Hub &
Rotor
Sweep
Visible

70 - 80
80 - 90
90 - 100

Tower &
Rotor
Sweep
Visible



A Road, B Road & Long Distance Walking Route with No Theoretical Visibility



A Road with Theoretical Visibility of the Shafton Two Gates Turbine



B Road with Theoretical Visibility of the Shafton Two Gates Turbine



Long Distance Walking Route with Theoretical Visibility of the Shafton Two Gates Turbine

BBW = Barnsley Boundary Walk

DW = Dearne Way

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* The ZTV shows the percentage of the proposed turbine that is visible as a proportion of the overall height of the turbine. The ZTV was calculated using a digital surface model. This was created by merging OS Profile DTM data with woodland and building features identified in OS Vectormap data. The assessment assumed a building height of 6m, based on an average of two-storey house, and a woodland height of 10m, based on professional judgement and the UNFAO definition of woodland.