

PROJECT: KNOWES WIND FARM

CLIENT: KNOWES RENEWABLES LLP

FIGURE 3.28

Viewpoint 6 - St Davids

Photo taken at western edge of village.

Scale: 1:20,000

Checked by: AF

Drawn by: AE

Date: 04/04/2014

VIEWPOINT DATA

Grid Reference 294685, 719867

Elevation 90m

Distance to nearest turbine 10.3km

PHOTOGRAPHY

Height above ground 1.5m

Camera Canon EOS 5D

Focal length 50mm

Photography date 10/03/2014

Photography time 14:30

PREDICTED TURBINE VISIBILITY

Number of turbine tips visible 24

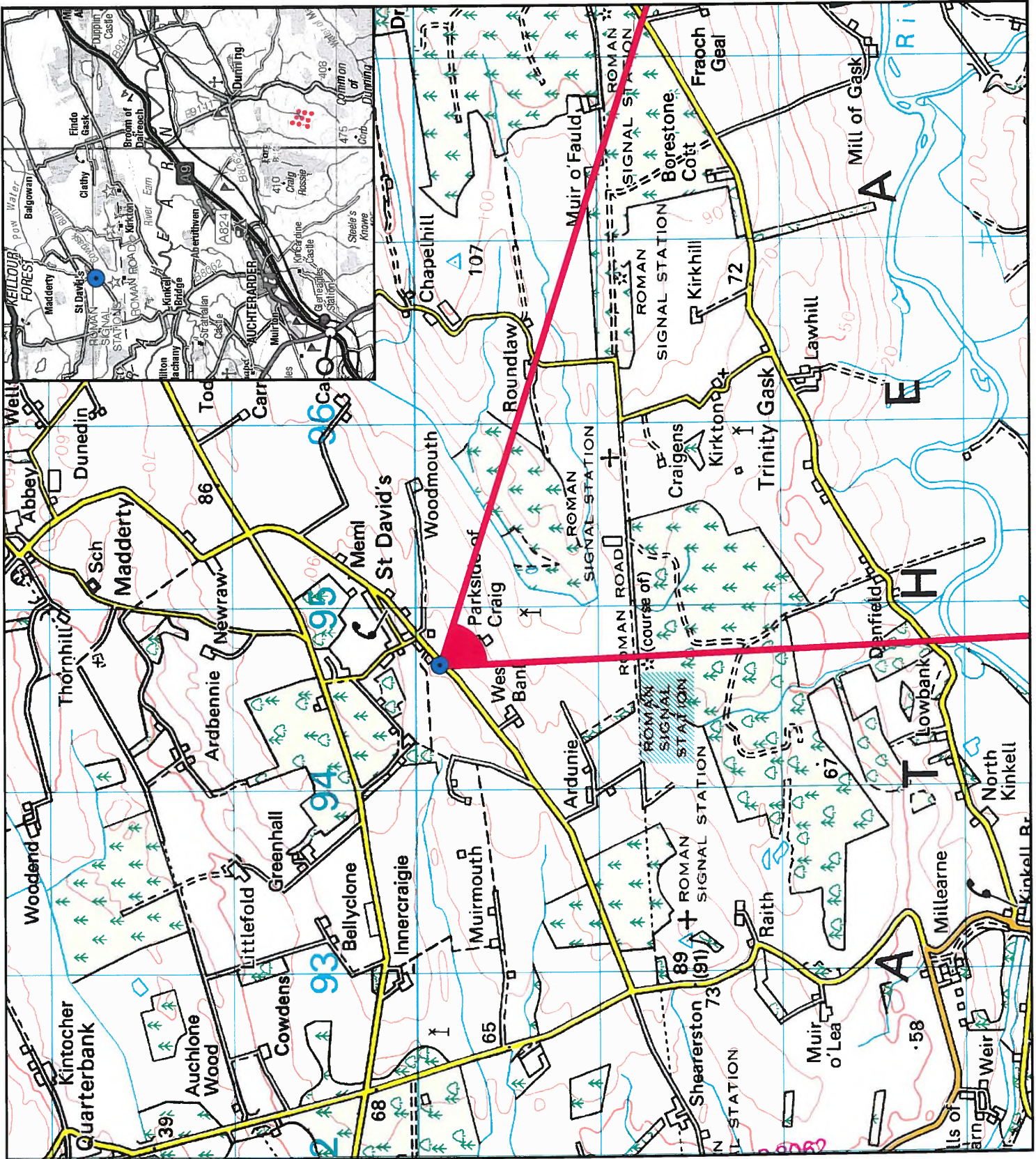
Number of turbine hubs visible 8



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Aberdeenshire  
AB53 4NH



VIEWPOINT 6: St David's

Photograph



VIEWPOINT 6a

Recommended viewing distance when viewed with both eyes: 330mm

Horizontal View Angle: 70°

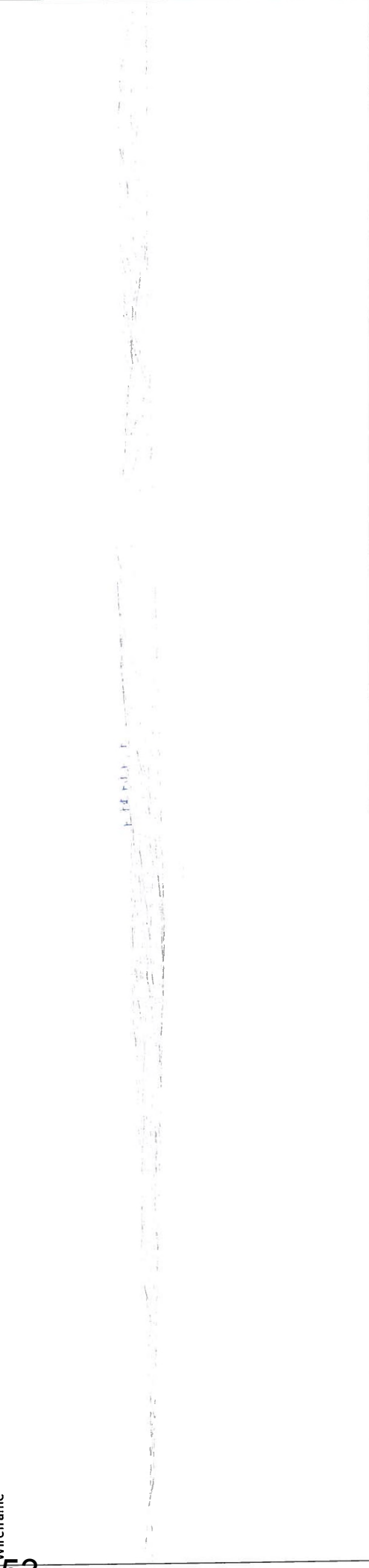
IMPORTANT VIEWING INSTRUCTIONS

The following photomontages are composite images made up of multiple 50mm photographs joined together horizontally to form an overall field of view which may be wider than that seen in detail by the human eye. For correct perspective viewing, the following images must be viewed at their recommended viewing distance. This image should only be assessed in the real landscape from the same viewpoint.

Photomontage



Wireframe



## VIEWPOINT 6b

Recommended viewing distance when viewed with both eyes: 330mm

### IMPORTANT VIEWING INSTRUCTIONS

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Horizontal View Angle: 70°

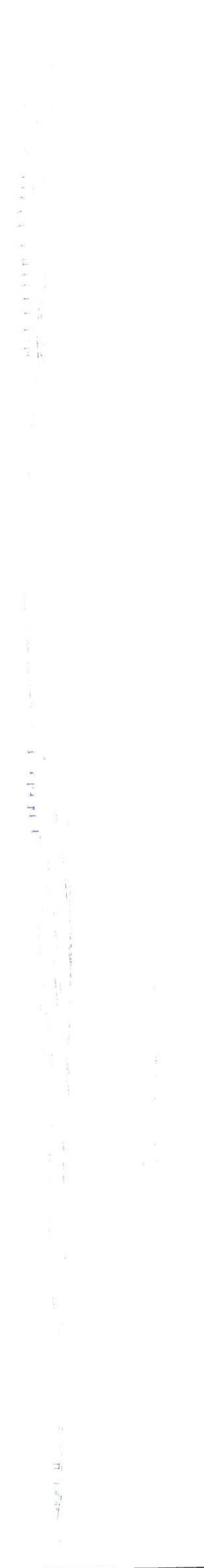


Cumulative Wireframe

Lochelbank

Knowes

Green Knowes



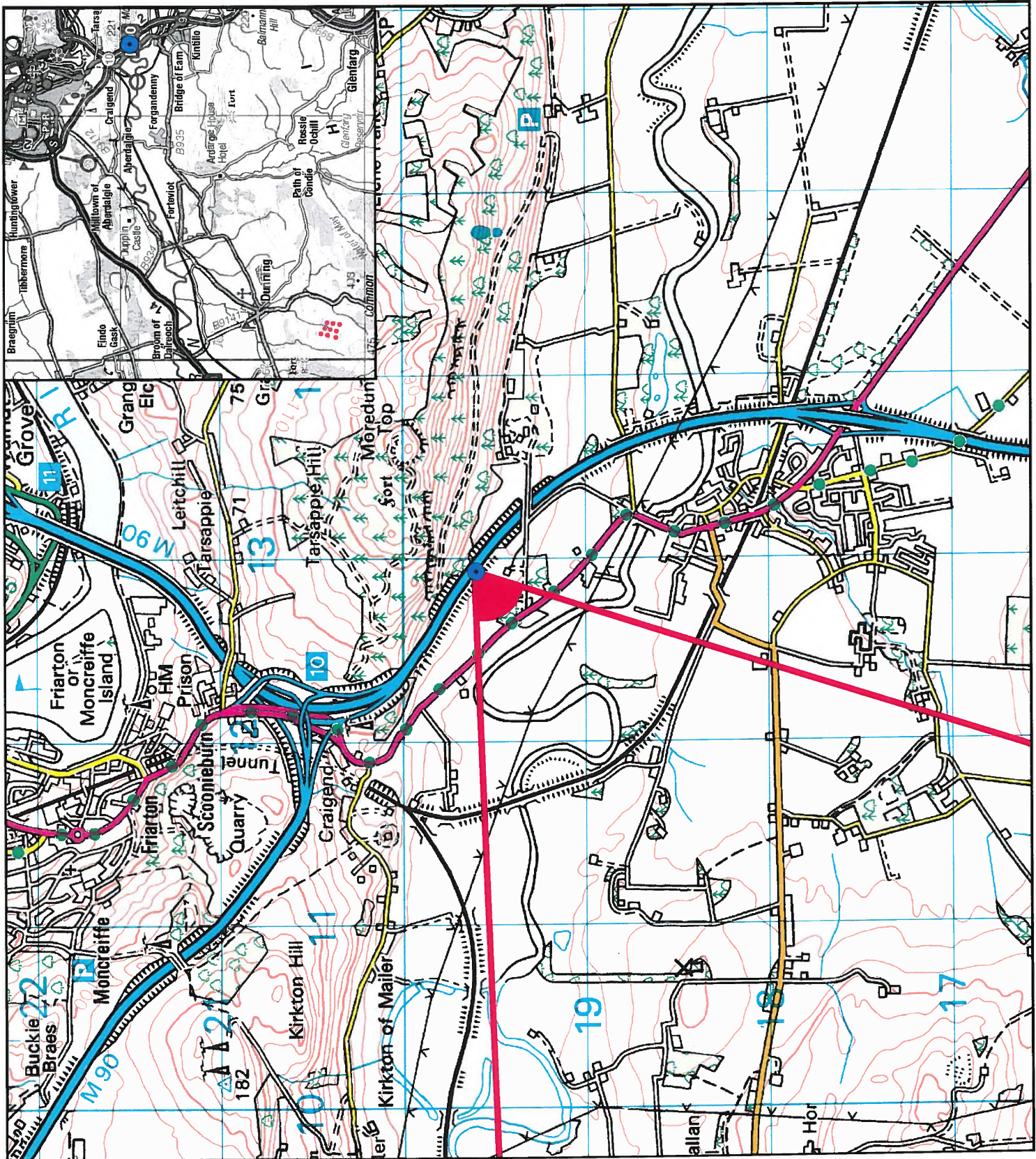
VIEWPOINT 6c

Recommended viewing distance when viewed with both eyes: 330mm

Horizontal View Angle: 70°

IMPORTANT VIEWING INSTRUCTIONS

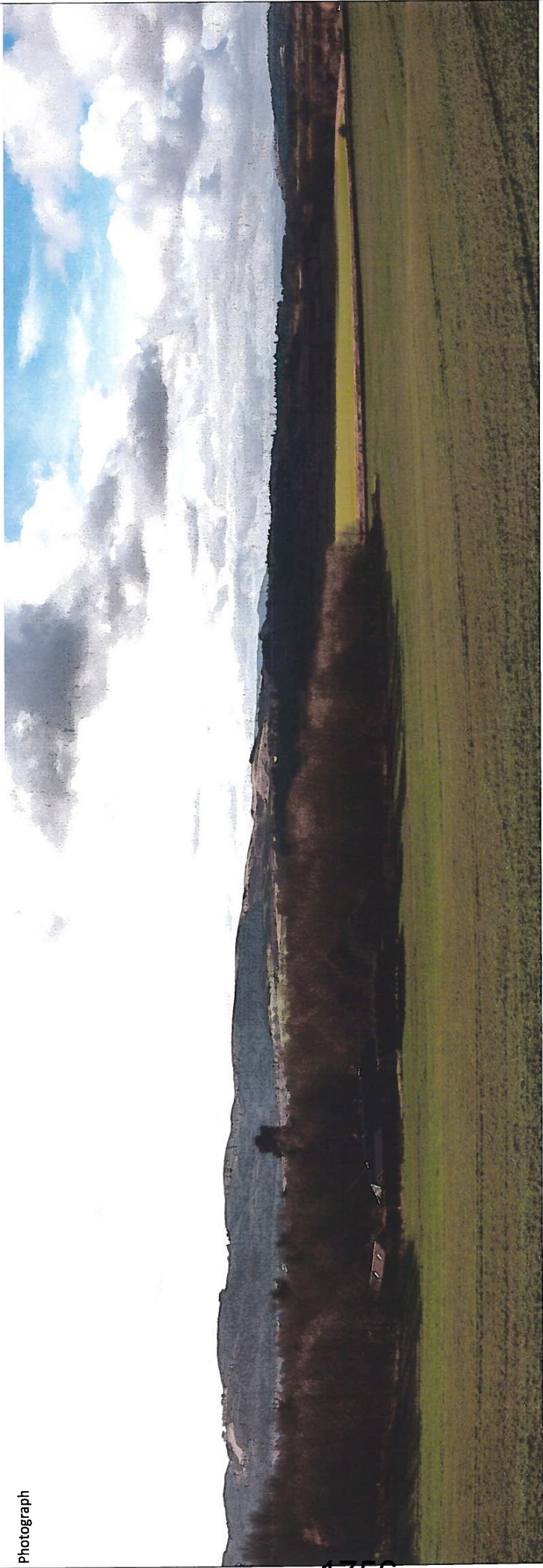
The following photomontages are composite images made up of multiple 50mm photographs joined together horizontally to form an overall field of view which may be wider than that seen in detail by the human eye. For correct perspective viewing, the following images must be viewed at their recommended viewing distance. This image should only be assessed in the real landscape from the same viewpoint.



|                                                                                      |                  |
|--------------------------------------------------------------------------------------|------------------|
| PROJECT: KNOWES WIND FARM                                                            |                  |
| CLIENT: KNOWES RENEWABLES LLP                                                        |                  |
| <b>FIGURE 3.29</b>                                                                   |                  |
| <b>Viewpoint 7 - M90</b>                                                             |                  |
| Photo taken from edge of dual carriageway, south of Perth.                           |                  |
| Scale: 1:20,000                                                                      | Checked by: AF   |
| Drawn by: AE                                                                         | Date: 04/04/2014 |
| <b>VIEWPOINT DATA</b>                                                                |                  |
| Grid Reference                                                                       | 312931, 719597   |
| Elevation                                                                            | 28m              |
| Distance to nearest turbine                                                          | 14km             |
| <b>PHOTOGRAPHY</b>                                                                   |                  |
| Height above ground                                                                  | 1.5m             |
| Camera                                                                               | Canon EOS 5D     |
| Focal length                                                                         | 50mm             |
| Photography date                                                                     | 10/03/2014       |
| Photography time                                                                     | 12:30            |
| <b>PREDICTED TURBINE VISIBILITY</b>                                                  |                  |
| Number of turbine tips visible                                                       | 1                |
| Number of turbine hubs visible                                                       | 0                |
| 0 0.25 0.5 1 1.5<br>Kilometers                                                       |                  |
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VIEWPOINT 7: M90

Photograph



VIEWPOINT 7 a

Recommended viewing distance when viewed with both eyes: 330mm

Horizontal View Angle: 70°

IMPORTANT VIEWING INSTRUCTIONS

The following photomontages are composite images made up of multiple 50mm photographs joined together horizontally to form an overall field of view which may be wider than that seen in detail by the human eye. For correct perspective viewing, the following images must be viewed at their recommended viewing distance. This image should only be assessed in the real landscape from the same viewpoint.

Photomontage



Wireframe



## VIEWPOINT 7b

Recommended viewing distance when viewed with both eyes: 330mm

### IMPORTANT VIEWING INSTRUCTIONS

The following photomontages are composite images made up of multiple 50mm photographs joined together horizontally to form an overall field of view which may be wider than that seen in detail by the human eye. For correct perspective viewing, the following images must be viewed at their recommended viewing distance. This image should only be assessed in the real landscape from the same viewpoint.

Horizontal View Angle: 70°

PROJECT: KNOWES WIND FARM

CLIENT: KNOWES RENEWABLES LLP

### FIGURE 3.30

#### Viewpoint 8 - Kinnoull Hill

Photo taken from viewpoint at top of Kinnoull Hill.

Scale: 1:20,000  
Drawn by: AE  
Checked by: AF  
Date: 04/04/2014

#### VIEWPOINT DATA

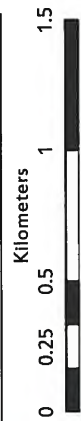
Grid Reference 313677, 722841  
Elevation 215m  
Distance to nearest turbine 16.7km

#### PHOTOGRAPHY

Height above ground 15m  
Camera Canon EOS 5D  
Focal length 50mm  
Photography date 12/03/2014  
Photography time 10:30

#### PREDICTED TURBINE VISIBILITY

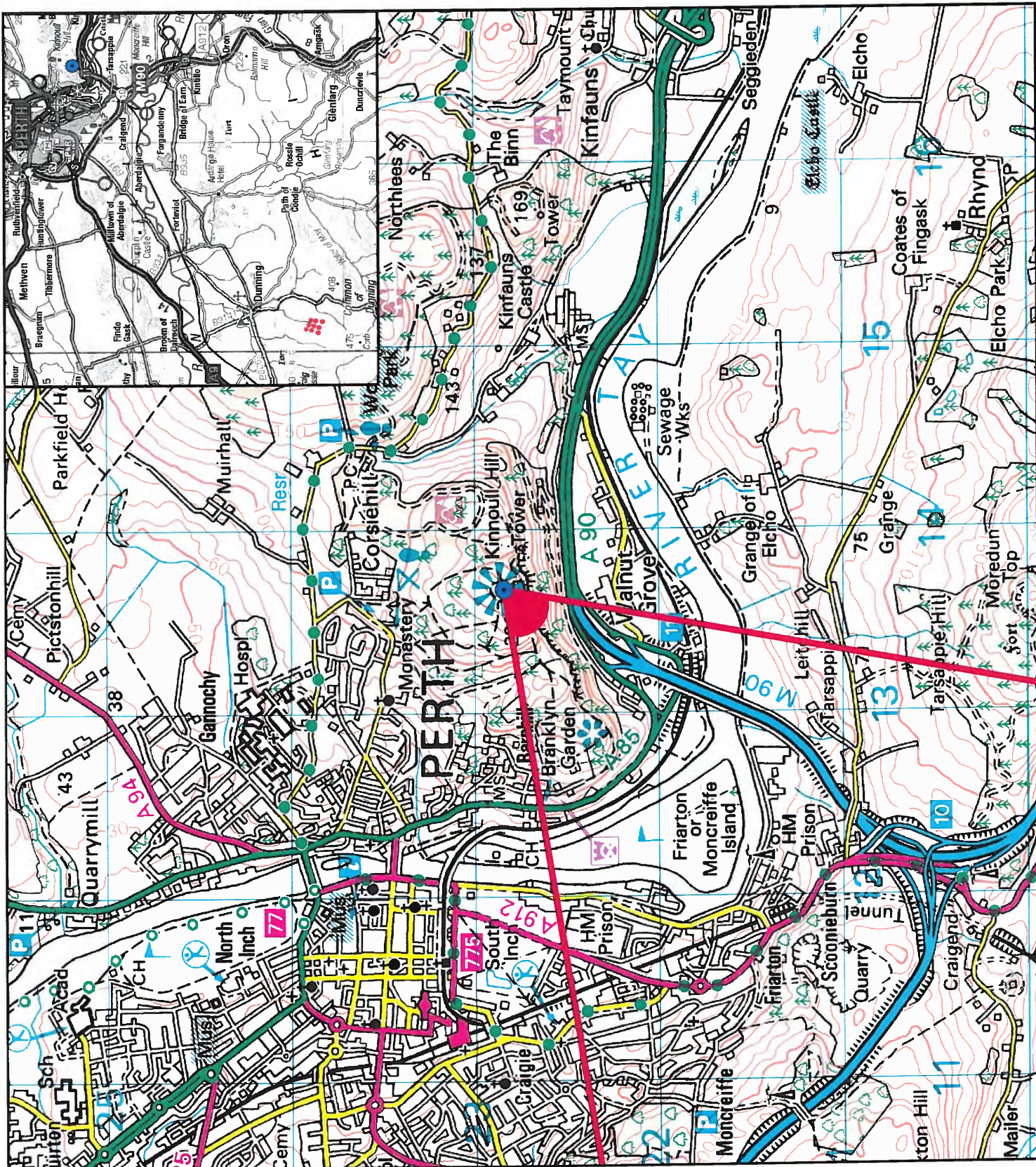
Number of turbine tips visible 27  
Number of turbine hubs visible 9



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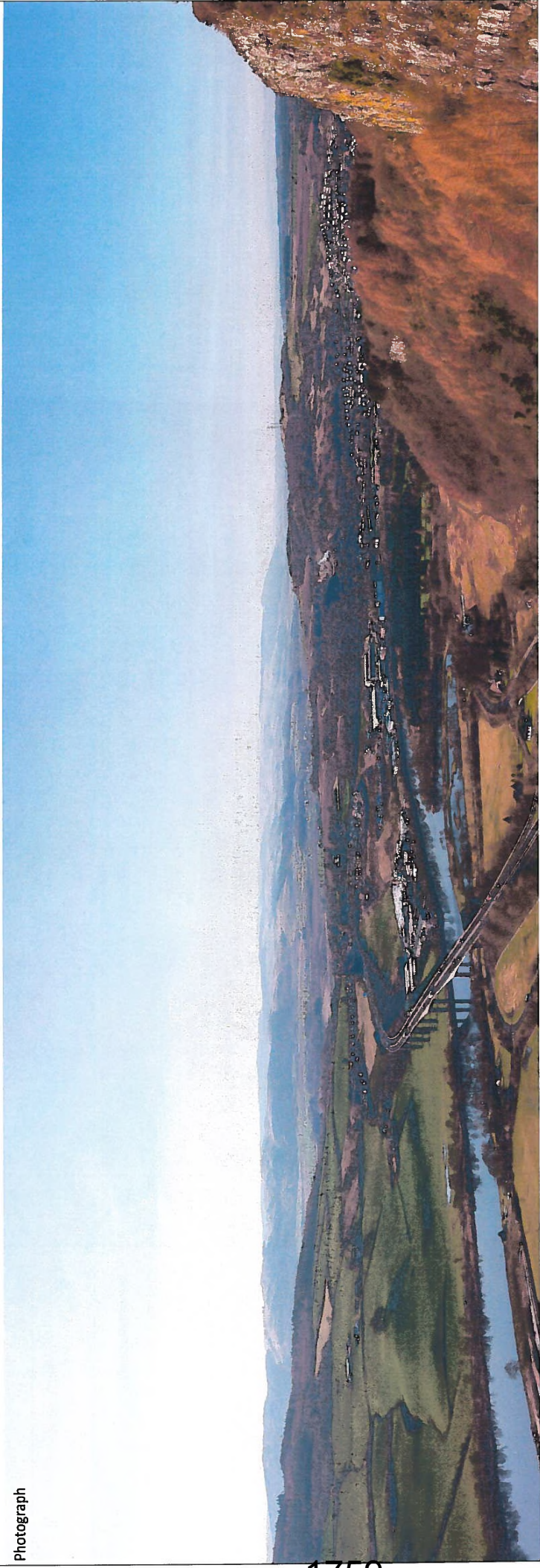


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VIEWPOINT 8: Kinnoull Hill

Photograph



VIEWPOINT 8a

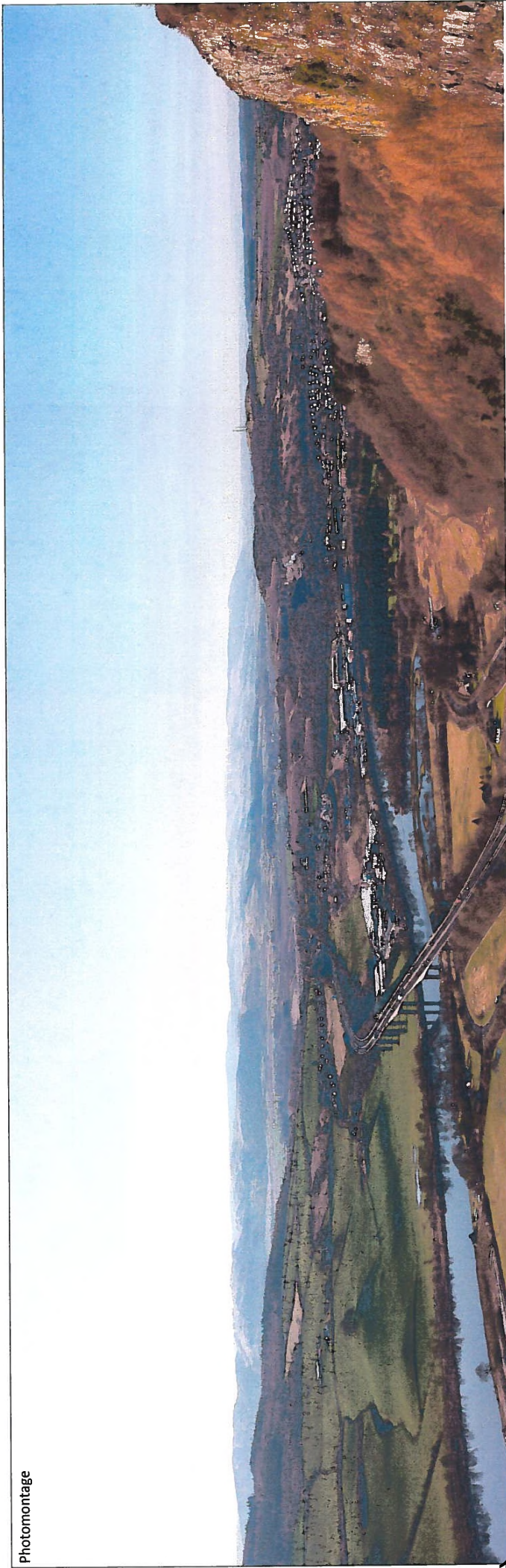
Recommended viewing distance when viewed with both eyes: 330mm

IMPORTANT VIEWING INSTRUCTIONS

The following photomontages are composite images made up of multiple 50mm photographs joined together horizontally to form an overall field of view which may be wider than that seen in detail by the human eye. For correct perspective viewing, the following images must be viewed at their recommended viewing distance. This image should only be assessed in the real landscape from the same viewpoint.

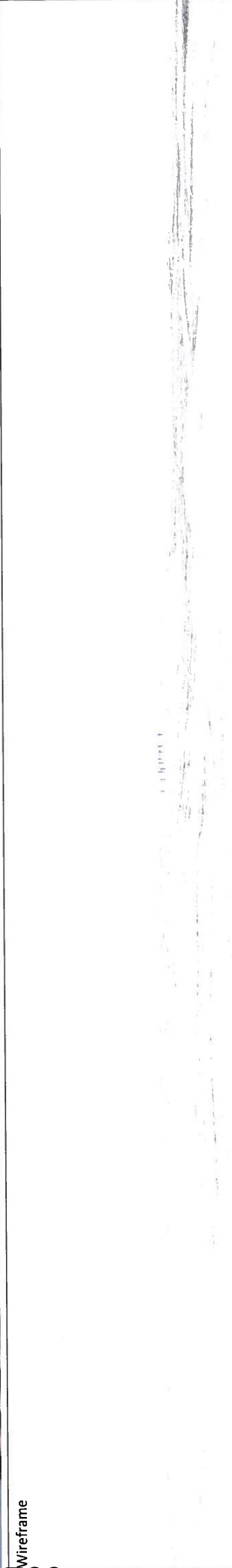
Horizontal View Angle: 70°

Photomontage



Wireframe

1760



## VIEWPOINT 8b

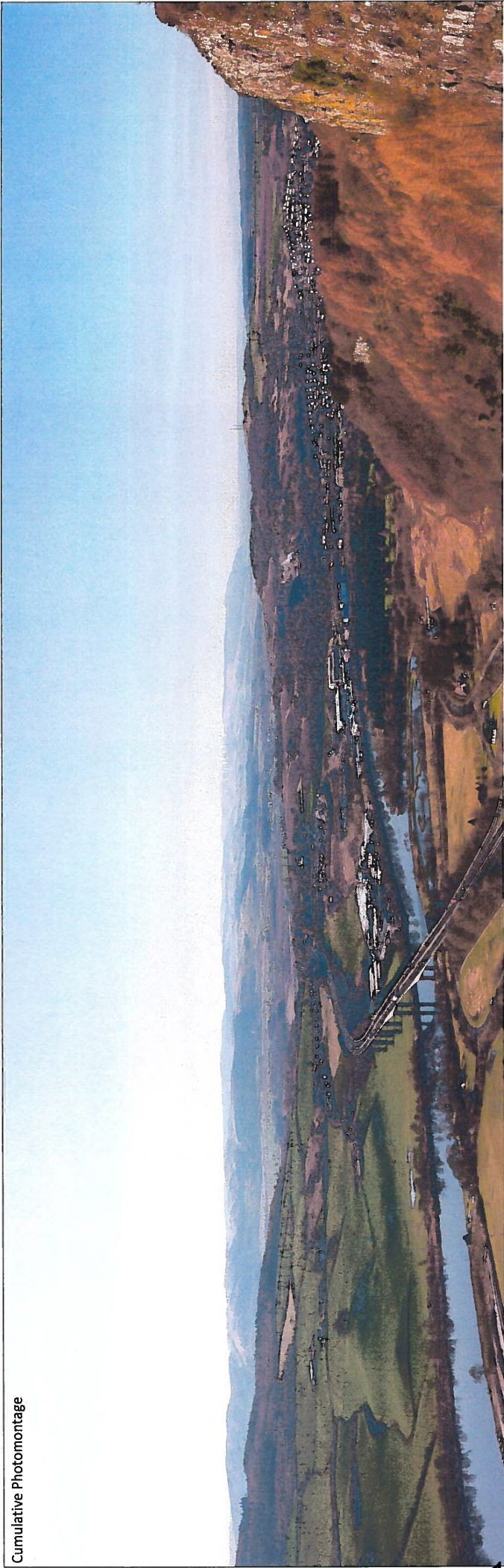
Recommended viewing distance when viewed with both eyes: 330mm

### IMPORTANT VIEWING INSTRUCTIONS

The following photomontages are composite images made up of multiple 50mm photographs joined together horizontally to form an overall field of view which may be wider than that seen in detail by the human eye. For correct perspective viewing, the following images must be viewed at their recommended viewing distance. This image should only be assessed in the real landscape from the same viewpoint.

Horizontal View Angle: 70°

Cumulative Photomontage



Cumulative Wireframe

Lochelbank  
East Blair Farm

Green Knowes  
Knowes  
Burnfoot Hill  
Blowdies

Feddal Farm  
Wester Cambuslinnie Farm



## VIEWPOINT 8c

Recommended viewing distance when viewed with both eyes: 330mm

### IMPORTANT VIEWING INSTRUCTIONS

The following photomontages are composite images made up of multiple 50mm photographs joined together horizontally to form an overall field of view which may be wider than that seen in detail by the human eye. For correct perspective viewing, the following images must be viewed at their recommended viewing distance. This image should only be assessed in the real landscape from the same viewpoint.

Horizontal View Angle: 70°

CLIENT: KNOWES RENEWABLES LLP

## Viewpoint 9 - Fowlis Wester

Photo taken from south of the village.

Scale: 1:20,000  
Checked by: AF  
Drawn by: AE  
Date: 04/04/2014

## VIEWPOINT DATA

**Grid Reference** 292764, 723944

| Location | Elevation | Distance to nearest turbine |
|----------|-----------|-----------------------------|
| 130m     | 130m      | 14.7km                      |

## PHOTOGRAPHY

|                     |              |
|---------------------|--------------|
| Height above ground | 1.5m         |
| Camera              | Canon EOS 5D |
| Focal length        | 50mm         |
| Photography date    | 10/03/2014   |
| Photography time    | 13:40        |

### PREDICTED TURBINE VISIBILITY

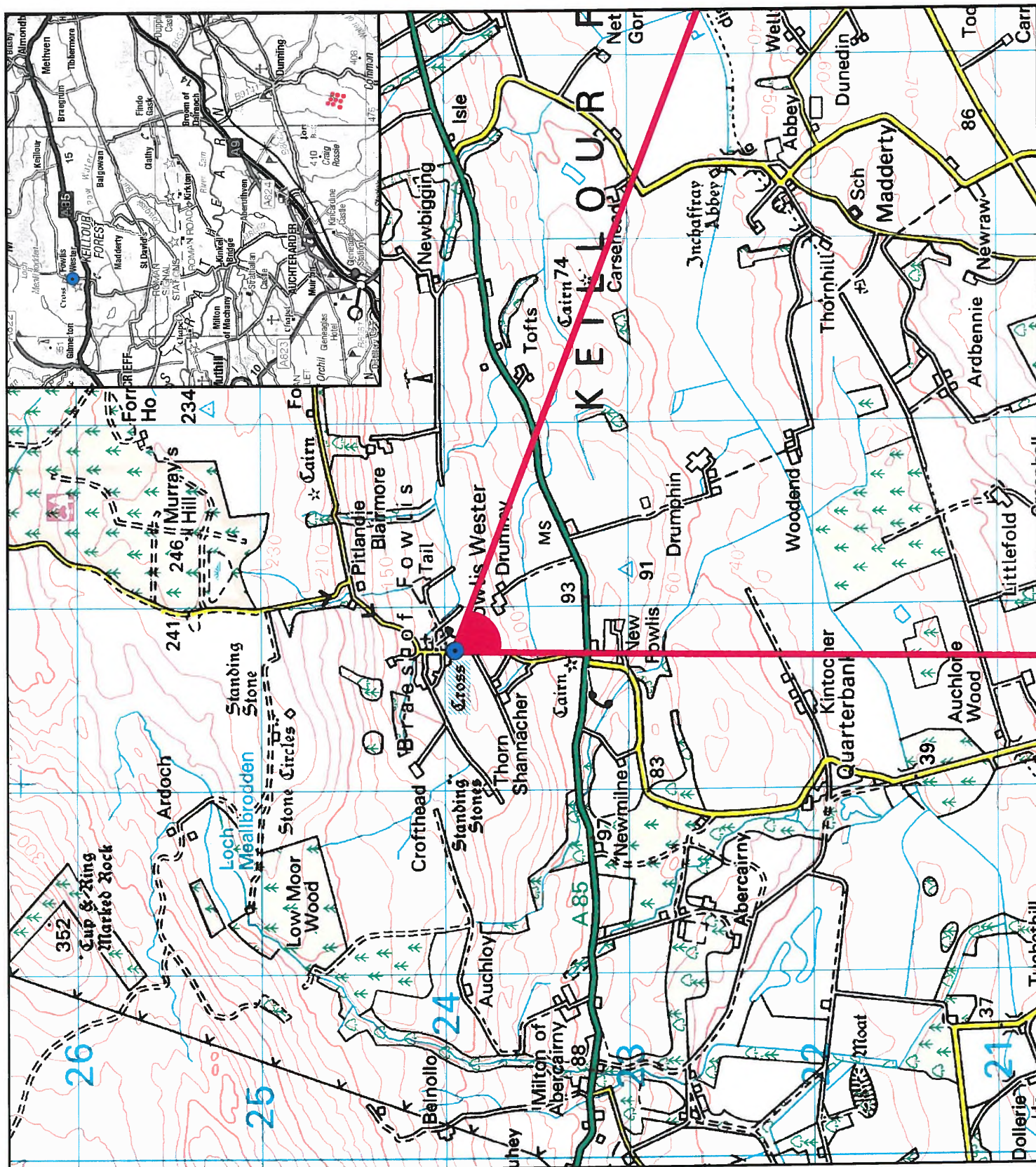
|                                |    |
|--------------------------------|----|
| Number of turbine tips visible | 26 |
| Number of turbine hubs visible | 8  |



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VIEWPOINT 9: Fowlis Wester



VIEWPOINT 9a

Recommended viewing distance when viewed with both eyes: 330mm

IMPORTANT VIEWING INSTRUCTIONS

The following photomontages are composite images made up of multiple 50mm photographs joined together horizontally to form an overall field of view which may be wider than that seen in detail by the human eye. For correct perspective viewing, the following images must be viewed at their recommended viewing distance. This image should only be assessed in the real landscape from the same viewpoint.

Horizontal View Angle: 70°

Photomontage



Wireframe

## VIEWPOINT 9b

Recommended viewing distance when viewed with both eyes: 330mm

### IMPORTANT VIEWING INSTRUCTIONS

The following photomontages are composite images made up of multiple 50mm photographs joined together horizontally to form an overall field of view which may be wider than that seen in detail by the human eye. For correct perspective viewing, the following images must be viewed at their recommended viewing distance. This image should only be assessed in the real landscape from the same viewpoint.

Horizontal View Angle: 70°

Cumulative Photomontage



Cumulative Wireframe



Lochelbank

Knowes

Green Knowes

## VIEWPOINT 9c

Recommended viewing distance when viewed with both eyes: 330mm

### IMPORTANT VIEWING INSTRUCTIONS

The following photomontages are composite images made up of multiple 50mm photographs joined together horizontally to form an overall field of view which may be wider than that seen in detail by the human eye. For correct perspective viewing, the following images must be viewed at their recommended viewing distance. This image should only be assessed in the real landscape from the same viewpoint.

Horizontal View Angle: 70°

PROJECT: KNOWES WIND FARM

CLIENT: KNOWES RENEWABLES LLP

### FIGURE 3.32

#### Viewpoint 10 - Keillor

Photo taken from minor road beneath castle.

Scale: 1:20,000  
Drawn by: AE  
Checked by: AF  
Date: 04/04/2014

#### VIEWPOINT DATA

Grid Reference 297762, 725247  
Elevation 97m  
Distance to nearest turbine 13.9km

#### PHOTOGRAPHY

Height above ground 1.5m  
Camera Canon EOS 5D  
Focal length 50mm  
Photography date 10/03/2014  
Photography time 13:20

#### PREDICTED TURBINE VISIBILITY

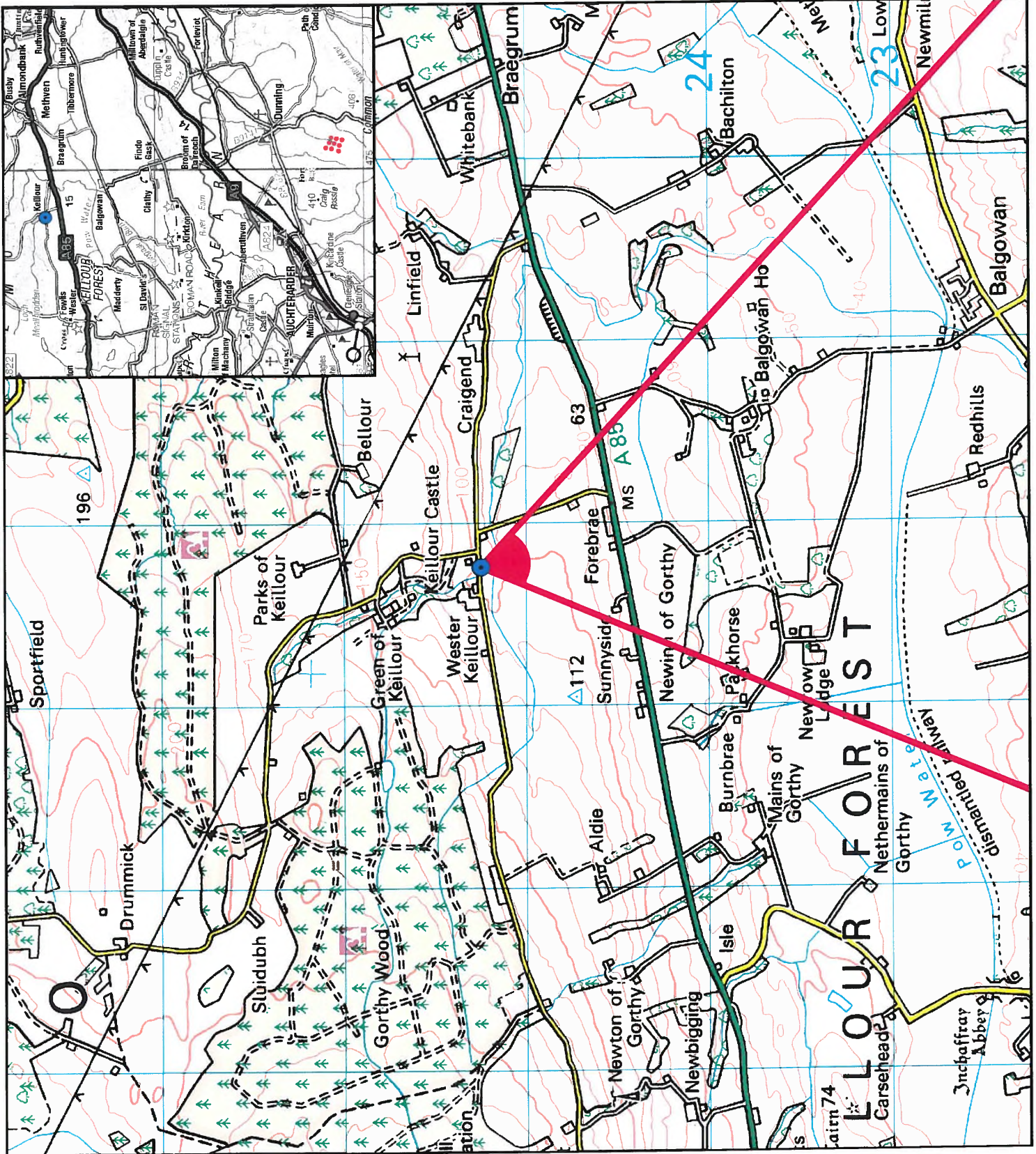
Number of turbine tips visible 26  
Number of turbine hubs visible 9



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VIEWPOINT 10: Keillor

Photograph



VIEWPOINT 10a

Recommended viewing distance when viewed with both eyes: 330mm

IMPORTANT VIEWING INSTRUCTIONS

The following photomontages are composite images made up of multiple 50mm photographs joined together horizontally to form an overall field of view which may be wider than that seen in detail by the human eye. For correct perspective viewing, the following images must be viewed at their recommended viewing distance. This image should only be assessed in the real landscape from the same viewpoint.

Horizontal View Angle: 70°



**VIEWPOINT 10b**

Recommended viewing distance when viewed with both eyes: 330mm

**IMPORTANT VIEWING INSTRUCTIONS**

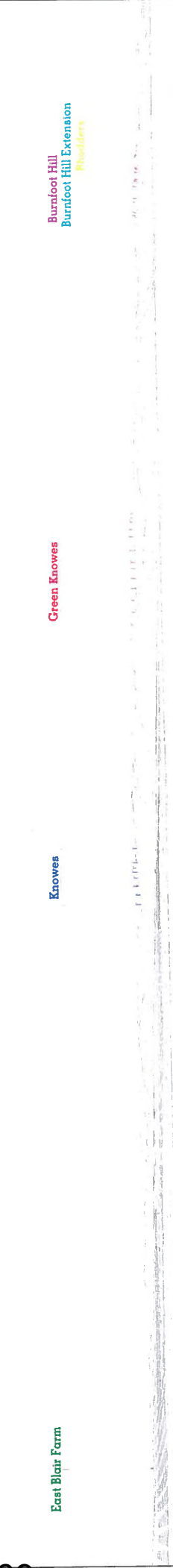
The following photomontages are composite images made up of multiple 50mm photographs joined together horizontally to form an overall field of view which may be wider than that seen in detail by the human eye. For correct perspective viewing, the following images must be viewed at their recommended viewing distance. This image should only be assessed in the real landscape from the same viewpoint.

Horizontal View Angle: 70°

Cumulative Photomontage



Cumulative Wireframe



East Blair Farm

Knowes

Green Knowes

Burnfoot Hill  
Burnfoot Hill Extension  
Rhoelids

## VIEWPOINT 10c

Recommended viewing distance when viewed with both eyes: 330mm

### IMPORTANT VIEWING INSTRUCTIONS

The following photomontages are composite images made up of multiple 50mm photographs joined together horizontally to form an overall field of view which may be wider than that seen in detail by the human eye. For correct perspective viewing, the following images must be viewed at their recommended viewing distance. This image should only be assessed in the real landscape from the same viewpoint.

Horizontal View Angle: 70°

VIEWPOINT 11: Methven

Photograph



VIEWPOINT 11a

Recommended viewing distance when viewed with both eyes: 330mm

IMPORTANT VIEWING INSTRUCTIONS

The following photomontages are composite images made up of multiple 50mm photographs joined together horizontally to form an overall field of view which may be wider than that seen in detail by the human eye. For correct perspective viewing, the following images must be viewed at their recommended viewing distance. This image should only be assessed in the real landscape from the same viewpoint.

Horizontal View Angle: 70°

PROJECT: KNOWES WIND FARM

CLIENT: KNOWES RENEWABLES LLP

### FIGURE 3.33

#### Viewpoint 11 - Methven

Photo taken from edge of park.

Scale: 1:20,000

Checked by: AF

Drawn by: AE

Date: 04/04/2014

#### VIEWPOINT DATA

Grid Reference 302940, 725869

Elevation 77m

Distance to nearest turbine 14.2km

#### PHOTOGRAPHY

Height above ground 1.5m

Camera Canon EOS 5D

Focal length 50mm

Photography date 10/03/2014

Photography time 13:00

#### PREDICTED TURBINE VISIBILITY

Number of turbine tips visible 26

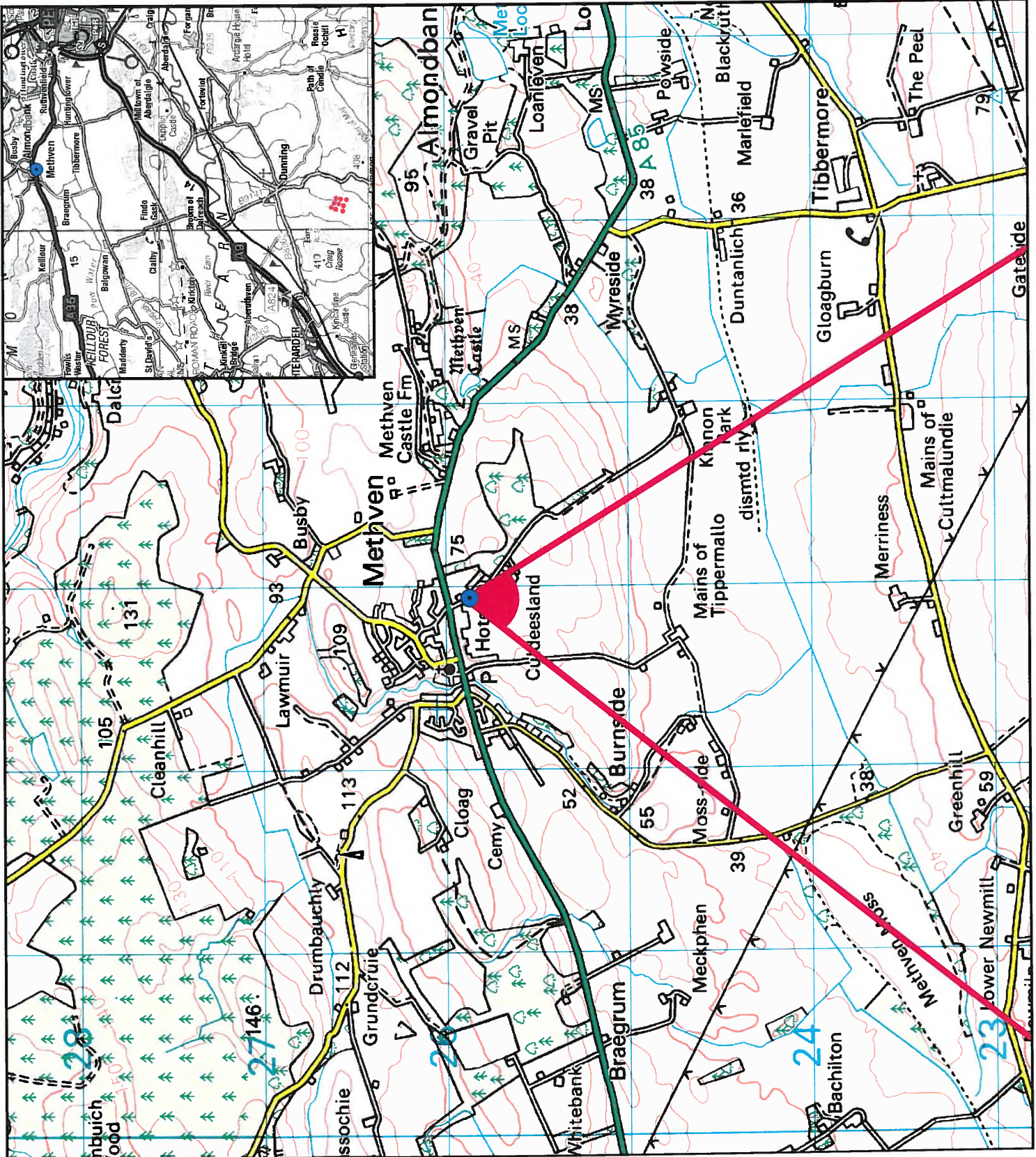
Number of turbine hubs visible 9



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Photomontage



Wireframe

1772

## VIEWPOINT 11b

Recommended viewing distance when viewed with both eyes: 330mm

### IMPORTANT VIEWING INSTRUCTIONS

The following photomontages are composite images made up of multiple 50mm photographs joined together horizontally to form an overall field of view which may be wider than that seen in detail by the human eye. For correct perspective viewing, the following images must be viewed at their recommended viewing distance. This image should only be assessed in the real landscape from the same viewpoint.

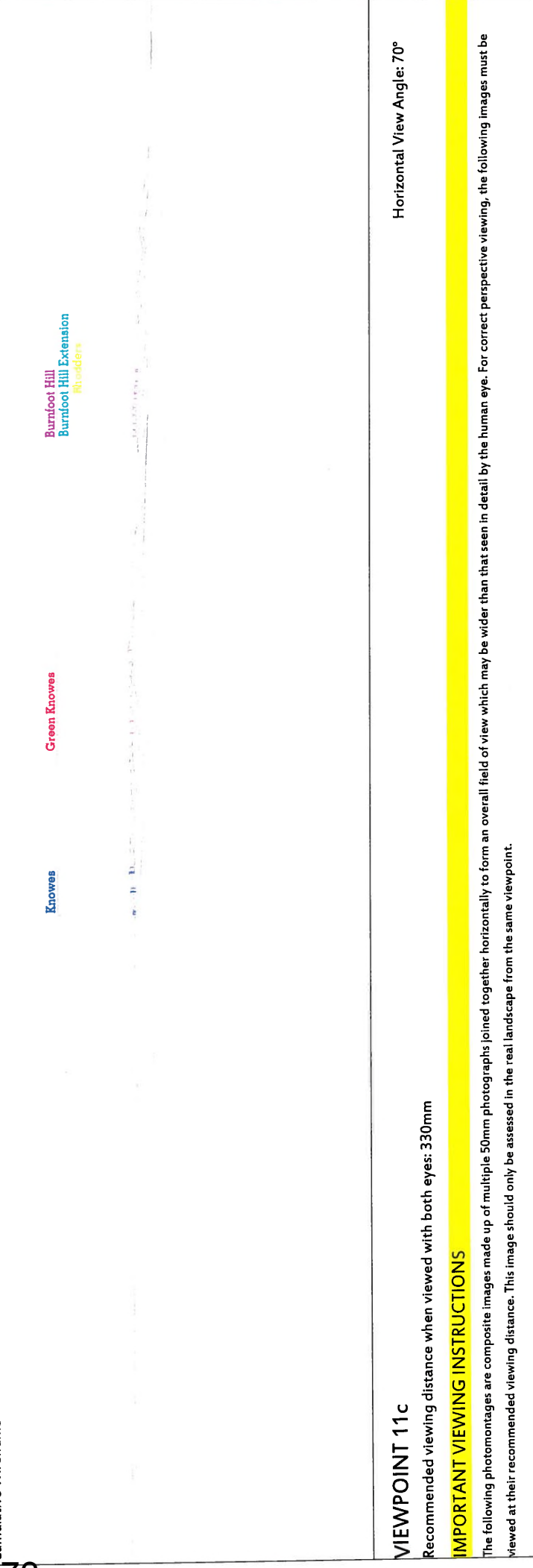
Horizontal View Angle: 70°

Cumulative Photomontage



Cumulative Wireframe

Knowes  
Green Knowes  
Burnfoot Hill  
Burnfoot Hill Extension  
Rhododendrons



VIEWPOINT 11c

Recommended viewing distance when viewed with both eyes: 330mm

IMPORTANT VIEWING INSTRUCTIONS

The following photomontages are composite images made up of multiple 50mm photographs joined together horizontally to form an overall field of view which may be wider than that seen in detail by the human eye. For correct perspective viewing, the following images must be viewed at their recommended viewing distance. This image should only be assessed in the real landscape from the same viewpoint.

Horizontal View Angle: 70°

## VIEWPOINT 12: Crieff



### VIEWPOINT 12a

Recommended viewing distance when viewed with both eyes: 330mm

#### IMPORTANT VIEWING INSTRUCTIONS

The following photomontages are composite images made up of multiple 50mm photographs joined together horizontally to form an overall field of view which may be wider than that seen in detail by the human eye. For correct perspective viewing, the following images must be viewed at their recommended viewing distance. This image should only be assessed in the real landscape from the same viewpoint.

Horizontal View Angle: 70°