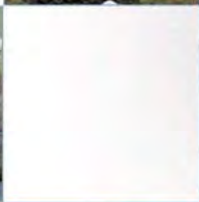


# Ingliston Farm Turbine Angus Assessment of Impacts upon Setting

AOC project 22580  
November 2013



## Ingliston Farm, Angus

### Assessment of Impacts upon Setting

**On Behalf of:** Locogen Ltd  
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**National Grid Reference (NGR):** NO 34397 44313

**AOC Project No:** 22580

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This document has been prepared in accordance with AOC standard operating procedures.

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Appendix 1: Assessment Methodology

## 1 Introduction

- 1.1 AOC Archaeology Group was commissioned by Locogen Ltd to undertake an assessment of impacts upon the settings of a number of Scheduled prehistoric monuments in close proximity to the proposed turbine at Ingliston Farm, near Glamis, Angus. The assessment is required following a request by Historic Scotland for further information subsequent to their review of the planning application.
- 1.2 This report assesses the potential impacts upon the settings of burial mounds at Wester Denoon (HS Index 4764), Castleward (HS Index 4742) and Carlunie Hill (HS Index 6449) and the fort at Denoon Law (HS Index 138) (See Figure 1). Throughout the assessment, the report will also consider the visual relationship between these monuments, making note also of the fort at Kinpurney Hill (HS Index 3219) where relevant, and how the proposed turbine may affect visual relationships with that monument.

## 2 Methodology

- 2.1 The assessment aims to establish the cultural significance and visual sensitivity of the Scheduled Monuments in question and establish the magnitude of impact upon said monuments by the proposed turbine at Ingliston Farm. The assessment of such factors has been informed by desk-based study, GIS analysis, site visits and visualisations.
- 2.2 Cultural significance, visual sensitivity and magnitude of impact having thus been established, a matrix, presented in Table 1 below, will be used to inform conclusions regarding the significance of these impacts:

**TABLE 1: SIGNIFICANCE OF IMPACT ON THE SETTING OF CULTURAL HERITAGE FEATURES**

Impact magnitude	Relative Visual Sensitivity			
	<i>Marginal</i>	<i>Low</i>	<i>Medium</i>	<i>High</i>
<i>High</i>	Minor	Minor	Moderate	Major
<i>Medium</i>	Negligible	Minor	Minor	Moderate
<i>Low</i>	None/Negligible	Negligible	Minor	Minor
<i>Marginal</i>	None	None	Negligible	Minor

The impacts recorded in highlighted cells are 'significant' in terms of the Environmental Impact Assessment (Scotland) Regulations 2011

- 2.3 A detailed methodology is presented in Appendix 1 of this report.

### 3 Site Visits

3.1 Site visits were undertaken on Thursday 31st October 2013 in variable weather ranging during the day from partly overcast to sunny and clear. Records made in the field were guided by the methodology presented in Appendix 1 and in particular by the Aesthetic Appraisal forms as presented in Table 3 of the appendix. In general, factors such as condition, orientation, visual relationships with nearby sites and about the nature of the current settings of the monuments were made.

3.2 A brief discussion of each site is outlined below.

#### ***Castleward, burial mound***

3.3 The monument at Castleward comprises a burial mound measuring 6 m in diameter with a maximum height of c. 0.4 m (Plate 1). It is surrounded by a 2 m ditch and is slightly dished on its top (RCAHMS 1983). The monument is extremely denuded and only clearly legible as a cairn once one is within c. 20 m of it. The cairn is located near the northeastern summit of Castleward Hill which lies along the ridge line which runs between Kinpurney Hill and Denoon Law. Views to the north-east, east and south are primarily of adjacent hill tops and ridges which mask valleys and lower hills. Views to the west are expansive as the land drops away to the Dean Water.

3.4 Denoon Law is obscured by the actual northeastern summit of Castleward Hill, the cairn itself lying slightly off this to the southwest. Looking southwest, the burial mound at Western Denoon is visible but only to the trained eye (and even then with the assistance of an existing fencepost located at the centre of the cairn). Carlunie Hill is clearly visible to the west-southwest.

#### ***Wester Denoon, burial mound***

3.5 Wester Denoon burial mound is located at the southwestern summit of Castleward Hill. It measures c. 13 m in diameter and survives to a height of c. 2 m, and is visible as an earthen and stone mound (Plate 2). A modern fenceline bisects the cairn. Views across lower lying land to the northwest, towards the Dean Water, are expansive. Unlike views from Castleward, views from Wester Denoon include views along the valley to the east created by Ewnie Burn and to the summits of Carlunie Hill and Ark Hill beyond.

3.6 Views of Denoon Law are obscured by intervening topography. The cairn on Carlunie Hill is readily discernable. The location of Castleward can be seen, though the cairn is not recognisable.

#### ***Denoon Law, fort***

3.7 Denoon Law, fort is a well-preserved fort, surviving as well-defined earthwork ramparts and retaining visible foundations of internal structures (Plate 3). The entrances to the fort are clearly visible to the east and west, though the former may be a later insertion. From the eastern entrance there are extensive views along the Ewnie Burn Valley which is aligned northeast to southwest to the south of the fort. There are also extensive views from the fort to the north where land dips from Castleward Hill eastward towards the Ewnie Burn. Views beyond Castleward Hill to the west and Carlunie Hill, and its associated ridge, to the southeast and east are limited by these topographical features.

3.8 While the landform of Castleward Hill is clearly visible from Denoon Law, the cairns at Castleward and Wester Denoon are not clearly visible. This is a result of the current condition of the cairns (e.g. their reduced height) and the positions of the cairns along a linear hilltop that sees undulations of the ridge obscuring views. Kinpurney Hill, fort is visible from some, but by no means all, locations within

Denoon Law Fort, most clearly from the southern ramparts of the monument. The cairn at Carlunie Hill is clearly visible breaking the skyline to the southeast.

### ***Carlunie Hill, cairn***

- 3.9 The cairn at Carlunie Hill comprises a grass-covered mound measuring c. 14 m in diameter and 2 m high. The cairn has been bisected by two post and wire fence lines (Plate 4). The cairn is set on a prominent hill with commanding views across Strathmore to the north and more locally along the Ewnie Burn valley to the west and Glen Oglivie to the east. Views to the south are of higher hilltops such as Auchterhouse Hill and Craigowl Hill, which stand to heights of 426 m and 455 m respectively.
- 3.10 Views of the other monuments in question here are generally possible. However, the existing Arkhill Wind Farm distracts in views towards Wester Denoon burial mound. The location of the cairn at Castleward is visible but the monument itself is not legible.

## **4 Impact Assessment**

### ***Castleward, burial mound***

- 4.1 As noted above, the low height of the burial mound at Castleward, which appears to be greatly denuded, makes it difficult to identify or understand from any great distance. While views from the cairn into the surrounding landscape are clearly expansive, particularly views to the north-west, the cairn itself can no longer be understood as a feature when viewed from the wider landscape. Given the current condition of the monument, the visual sensitivity of the cairn is judged to be Medium.
- 4.2 The proposed turbine at Ingliston Farm is located in close proximity to the cairn, c. 500 m to its north. As such, the turbine will appear quite prominent in views towards the north (Viewpoint 15). However, given the condition of the cairn the turbine cannot be said to challenge the cairn for dominance in the landscape. Furthermore, the significant sight line to the cairn is along the ridge of Castleward Hill and from the cairn itself the most important view is likely southwest towards the cairn at Wester Denoon. The proposed turbine is not located directly along this primary access, being set off to the north c. 15°. Additionally, the turbine will be located behind the viewer when looking towards the cairn at Wester Denoon. Given this, an impact of Medium magnitude is predicted upon the setting of the cairn. This will result in an impact of *Minor* significance.

### ***Wester Denoon, burial mound***

- 4.3 Wester Denoon burial mound is clearly discernable as a cairn. It commands views along the Ewnie Burn valley to the east and across Strathmore to the northwest. Additionally, it can be seen and is legible as a burial monument from a number of locations in the landscape. As such, its visual sensitivity to change is judged to be High.
- 4.4 The proposed turbine is located c. 1.3 km from the cairn (Viewpoint 16). The turbine will form a significant new feature within the wider landscape setting of the cairn. This is deemed to be an impact of Medium Magnitude and *Moderate* significance. However, the turbine will be located off the alignment of monuments extending along the ridge of Castleward Hill from Kinpurney Hill to Denoon Law. It will not affect views from the cairn along the Ewnie Burn valley and will form a single feature in expansive panoramic views across low-lying land to the north and west towards the Dean Water. It will not interrupt views to Carlunie Hill. As has already been noted above, the cairn at Castleward is not clearly visible from Wester Denoon and neither is the fort at Denoon Law. As such, while the

turbine will be visible in views in this direction it will not affect the visibility of these features nor challenge them for dominance.

### ***Denoon Law, fort***

- 4.5 Denoon Law is a well-preserved fort which has clearly been placed in a commanding and strategic position. Its visual sensitivity is judged to be High.
- 4.6 The proposed turbine is located c. 1.1 km to the west of Denoon Law on the opposite side of Castleward Hill (Viewpoint 2). The turbine is predicted to form a significant alteration to the wider landscape setting of the monument. This is an impact of Medium magnitude and *Moderate* significance. However, the turbine will be located beyond those elements of the setting which directly contribute to the understanding of the cultural significance of the monument. While historically there may have been visual links between the fort and the two burial mounds on Castleward Hill these no longer exist as the cairns (the northernmost apparently no longer surviving to its full height), are not visible from the fort. As such, the turbine will not interrupt an extant visual link. Furthermore, the turbine will not be located on land clearly commanded by the fort e.g. the lower-lying land between Castleward Hill and Denoon Law to the west and north and land along the Ewnie Burn valley to the south. It will therefore not directly affect those elements of setting which contribute most to the understanding and appreciation of the fort.

### ***Carlunie Hill, cairn***

- 4.6 Carlunie Hill is a well preserved cairn which retains its overtly intended relationship with its visual setting. Its location on top of Carlunie Hill affords expansive views both from and to it. Its placement at the summit of the hill means that it breaks the skyline and is conspicuous when viewed from the surrounding landscape. Its relative visual sensitivity is judged to be High.
- 4.7 The proposed turbine at Ingliston Farm is located c. 2.4 km from the cairn (Viewpoint 5). It will feature peripherally in the expansive views of Strathmore, being located to the west while the most spectacular views of Strathmore are to the north. It will not intrude upon the more local elements of the cairn's setting, e.g. along the Ewnie Burn valley or Glen Oglivie. As has been noted above, while there may have been a visual link between Carlunie and the Castleward burial monuments in the past, that link has been significantly diminished as a result of the condition of the Castleward burial mound. As such, the turbine cannot be seen to be challenging Castleward for dominance in views from Carlunie. In any case the turbine would be set off the theoretical sightline by some 20° and viewed further to the right/north than the location of Castleward. In views towards Wester Denoon from Carlunie the turbine will be located some 55° off the sightline to the right, making it largely peripheral. It is judged that the impact upon the setting of Carlunie Hill will be of Low magnitude and therefore *Minor* significance.

## **5 Summary**

- 5.1 This assessment of impact upon the settings of the Castleward, Wester Denoon and Carlunie burial monuments and Denoon Law, fort has been undertaken at the request of Locogen Ltd. It has indicated that the proposed wind turbine at Ingliston Farm will have impacts of *Minor* significance upon the settings of Castleward burial mound and Carlunie Hill cairn. Impacts of *Moderate* significance are predicted upon the settings of Wester Denoon burial mound and Denoon Law fort
- 5.2 The impacts of *Minor* significance upon the settings of Castleward and Carlunie Hill are not considered to be significant in terms of EIA regulations. The impacts of *Moderate* significance



predicted upon the setting of the Wester Denoon and Denoon Law are significant in terms of EIA regulations and, while the turbine does not constitute an EIA development, will require consideration in the planning decision. Despite these assessments of significance, it is not considered that the placement of the Ingliston Farm turbine in the proposed location will impede the ability to understand the monuments or their ability to inform, in which their cultural value lies.

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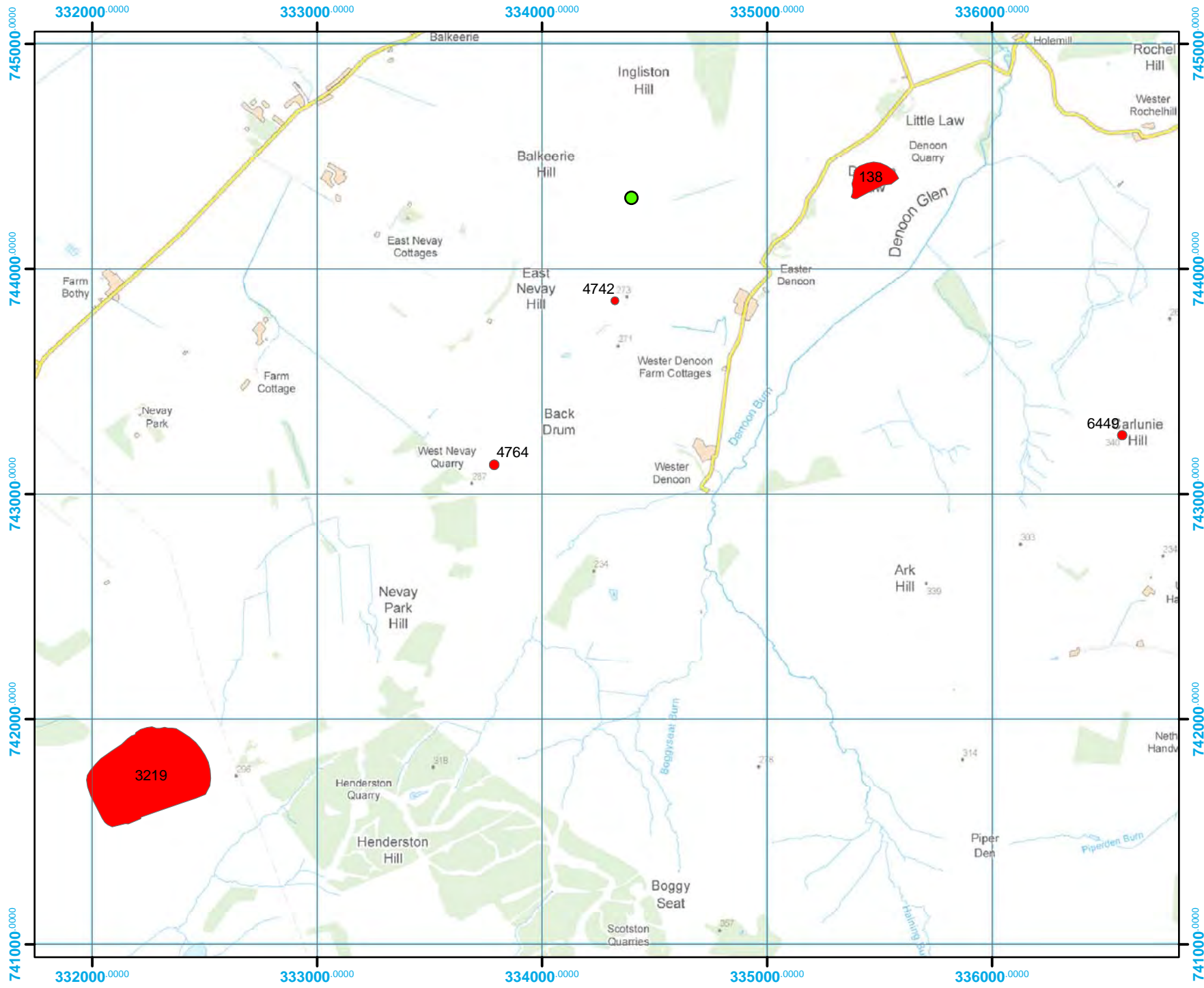
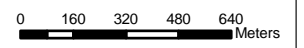


Figure 1: Proposed turbine location and location of relevant Scheduled Monuments

**Legend**  
● Turbine\_Location  
 Scheduled\_Monuments



Cartographic data derived from OS OpenData, Crown Copyright

<b>Project No.:</b>	22580
<b>Date:</b>	25.7.2010
<b>Scale at A4:</b>	1:22,928



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Plate 1: Castleward, burial mound from the northeast



Plate 2: Wester Denoon, burial mound from southwest



Plate 3: Denoon Law, fort from east



Plate 4: Carlunie Hill, cairn from southeast

## **Appendix 1: Assessment Methodology**

## Setting

The *X'ian Declaration on the Conservation of the Setting of Heritage Structures, Sites and Areas* adopted by the 15<sup>th</sup> General Assembly of ICOMOS in October 2005 (ICOMOS 2005) states that:

*'The setting of a heritage structure, site or area is defined as the immediate and extended environment that is part of, or contributes to, its significance and distinctive character'*

In October 2010, Historic Scotland published a guidance document on setting as part of their *Managing Change in the Historic Environment* series of guidance notes intended to explain how to apply the policies contained in the *Scottish Historic Environment Policy* (SHEP). This document defines setting thus:

*Setting should be thought of as the way in which the surroundings of a historic asset or place contribute to how it is experienced, understood and appreciated.*

*Monuments, buildings, gardens and settlements were not constructed in isolation. They were often deliberately positioned with reference to the surrounding topography, resources, landscape and other monuments or buildings. These relationships will often have changed through the life of a historic asset or place*

*Setting often extends beyond the immediate property boundary of a historic structure into the broader landscape' (Historic Scotland 2010).*

It also states that:

*'The setting of a historic structure can incorporate a range of factors, not all of which will apply to every case. These include:*

*current landscape or townscape context;*

*visual envelope, incorporating views to, from and across the historic asset or place;*

*key vistas, framed by rows of trees, buildings, or natural features that give a an asset or place a context, whether intentional or not;*

*the prominence of the historic asset or place in views throughout the surrounding area;*

*character of the surrounding landscape;*

*general and specific views including foregrounds and backdrops;*

*relationships between both built and natural features;*

*aesthetic qualities;*

*other non-visual factors such as historical, artistic, literary, linguistic, or scenic associations, intellectual relationships (e.g. to a theory, plan or design), or sensory factors;*

*a 'Sense of Place': the overall effect formed by the above factors' (Historic Scotland, 2010).*

## Assessing Cultural Value

The methodology used regards all heritage or archaeological remains as being sensitive to some degree and is also guided by local, regional, national and international heritage policy (e.g. various charters including the Burra Charter (Aus ICOMOS, 1999)), which defines sites and monuments as potentially comprising a very wide variety of heritage remains. In some cases a site or building which does not have a protective designation assigned to it could nonetheless still be rated as having the same significance as another one which *is* protected. This is because the selection of items for listing and scheduling is an ongoing national activity. Generally, the criteria for judging archaeological significance are gradually evolving, with an increasing trend towards including more recent types of structures. In some cases, important buildings or monuments may have been overlooked during listing, or could now be judged worthy of listing, whereas they were not previously.

The criteria used to rate cultural heritage value in the assessment area are presented in Table 1 below:

**TABLE 1: CRITERIA FOR ESTABLISHING RELATIVE CULTURAL VALUE**

<b>Cultural Value</b>	<b>Criteria</b>
International and National	<p>World Heritage Sites  <i>or</i>            Iconic Sites and Monuments;  <i>or</i>            Scheduled Ancient Monuments (Actual and Potential);  <i>or</i>            Category A Listed Buildings;  <i>or</i>            Inventory Gardens &amp; Designed Landscapes  <i>or</i>            Inventory Battlefields</p> <p>Remains of national or international importance, or fine, little-altered examples of some particular period, style or type</p>
Regional	<p>Category B Listed Buildings;</p> <p>Remains of regional or more than local importance, or major examples of some period, style or type, which may have been altered.</p> <p>Remains of national importance that have been partially damaged.</p>
Local	<p>Category C Listed Buildings</p> <p>Remains of local importance, lesser examples of any period, style or type, as originally constructed or altered, and simple, traditional sites, which group well with other significant remains, or are part of a planned group such as an estate or an industrial complex;</p> <p>Cropmarks of indeterminate origin.</p> <p>Remains of regional importance that have been partially damaged or remains of national importance that have been largely damaged.</p>
Negligible	<p>Relatively numerous types of remains, of some local importance;</p> <p>findspots of artefacts that have no definite archaeological remains known in their context.</p> <p>Remains of local importance that have been largely damaged;            Isolated findspots;</p> <p>Undesignated structures</p>

Whilst the relative cultural value of site or monument is important for establishing the importance of a monument, it is widely recognised (see Lambrick 2008) that the importance of an asset is not the same as its sensitivity to change. Thus in determining visual effects by the proposed wind farm on the setting of monuments, both importance and sensitivity to visual change need to be considered.

### **Assessing Visual Sensitivity**



Setting is a key issue in the case of some, but by no means all monuments. A nationally important site with high cultural value does not necessarily have high visual sensitivity. Our evaluation of the visual sensitivity of a given monument and the subsequent significance of impact on its setting takes cognisance of the four principal heritage values which closely resemble those laid down in the Burra Charter (AUS ICOMOS 1999, 2.1) and can be summarised as follows:

- **Evidential Value:** *the potential to yield primary evidence about past human activity*
- **Historical Value:** *the ways in which the present can be connected through a place<sup>1</sup> to past people, events and aspects of life*
- **Aesthetic Value:** *the ways in which people derive sensory and intellectual stimulation from a place*
- **Communal Value:** *the meanings of a place for the people who relate to it, and whose collective experience or memory it holds.*

The assessment of the scale of any impact on a given monument is based on the magnitude of proposed change to a monument and the extent to which that change would compromise or reduce the monument's cultural value i.e. its ability to inform this and future generations about humanity's past. The '*ability-to-demonstrate*' is the key criterion used in establishing the cultural value of a monument or place as defined within the Burra Charter (AUS ICOMOS 1999). A direct impact on cultural value will occur if, and only if, views to or from the object of cultural value form an essential part of the information content of the monument.

Certain sites and monuments exist, for which it is generally accepted that their builders designed the monuments with particular intentional vistas or sightlines, perhaps incorporating or sighting across other monuments or natural features (see Renfrew & Bahn, 2001, 397; Bergh 1995; Bradley 2000). Amongst these we may include burial monuments and stone circles. Some scholars (e.g. Bergh 1995) have argued that some monuments have been sited in order that sightlines between them would have a particular significance, or that their intervisibility was a factor in the original selection of their locations. It has been argued that even single monuments could have significant relationships with the physical landform. Professor Alexander Thom (1967 & 1971) argued that sightlines projected from stone circles utilised features on the distant horizon to calculate the precise determination of significant astronomical events. In such instances the sightline between the monument and its horizon is arguably a characteristic of the monument itself. Thus, the positioning of a structure that caused an interruption to that sightline would clearly reduce the information content of the monument by removing or compromising one of its fundamental characteristics. This amounts to a reduction of its information content and in consequence an impact of this type would significantly reduce the cultural value of the site or monument.

The criteria for establishing a monument's relative visual sensitivity are outlined in Table 2 below.

**TABLE 2: CRITERIA FOR ESTABLISHING RELATIVE VISUAL SENSITIVITY**

Sensitivity*	Definition
High	A monument which retains an overtly intended or authentic relationship within its visual setting and the surrounding landscape. In particular ritual monuments which have constructed sightlines to and/or from them or structures intended to be visually dominant within a wide landscape area i.e. castles, tower houses, prominent forts etc.

<sup>1</sup> The term 'place' is used throughout the Burra Charter to describe a site, monument or landscape of cultural value

	A monument, the current understanding of which, relies heavily on its modern aesthetic setting regardless of whether or not this was intended by the original constructors or authentic users of the monument.
Medium	A monument which had an overtly intended authentic relationship with its visual setting and the surrounding landscape but where that relationship has been moderately compromised either by previous modern intrusion to the setting or landscape or where the monument itself is in such a state of disrepair that the relationship cannot be fully determined. A monument, the current understanding of which, relies partially on its modern aesthetic setting regardless of whether or not this was intended by the original constructors or authentic users of the monument.
Low	A monument which had an overtly intended authentic relationship with its visual setting and the surrounding landscape but where that relationship has been significantly compromised either by previous modern intrusion to the setting or landscape or whereby the monument itself is in such a state of disrepair that the relationship cannot be determined. A monument whose placement within the landscape was not determined by visual setting but by some other factor whether that be industrial, agricultural or simply functional etc.**
Marginal	A monument whose placement within the landscape was not determined by visual setting but by some other factor whether that be industrial, agricultural or simply functional etc; and is additionally in such a state of disrepair that its relationship to its setting cannot be determined.
None	A site whose remains are located fully below the current ground surface (i.e. crop mark sites), and subsequently for which neither the full extent nor significance of the site itself nor its setting can be determined without archaeological investigation.
<p>* Note that the determination of a monument's sensitivity is first and foremost reliant upon the determination of its setting; i.e. a country house may have a high sensitivity within its own landscaped park or garden but its level of sensitivity may be less when considered within the wider landscape area.</p> <p>**While the immediate setting of such monuments is clearly significant, their relationship to the wider landscape is less sensitive to visual change. Where the immediate setting of such sites is to be impacted by development this will be taken into consideration.</p>	

In establishing the relative visual sensitivity of a monument we must first come to have an aesthetic appreciation of a monument and its setting. Table 3 below outlines the factors which must be considered when establishing an aesthetic appreciation and therefore determining visual sensitivity. These have been used as a guide in assessing each monument from known records and in the field. In defining these criteria, emphasis has been placed on establishing the current setting of each monument and how the proposed turbine will affect it.

**TABLE 3: ESTABLISHING AN AESTHETIC APPRECIATION OF A MONUMENT AND ITS SETTING**

Site Details	
1) Site No. /Name.	Unique number for each monument and name as shown in the National Monuments Record Scotland
2) Site type	Brief description of the monument type as defined in the National Monuments Record Scotland
3) Site visit	Conditions on day of survey with particular reference to visibility

conditions	
4) Orientation of proposed wind farm site	Direction in which Wind Farm lies measured from the monument.
5) Distance from proposed wind farm	Distance to nearest turbines measured from the monument.
6) Designation	Scheduled Ancient Monument Number or Historic Building Number if applicable
7) Horizon angle	Angle of elevation of the horizon in direction of wind farm as measured from the monument
<b>Scientific Detail</b>	
8) Monument form	The form of a monument, together with its size as it survives in the landscape.
9) Current Monument Condition	The current state of survival of a monument with reference to its location in the modern landscape. Alterations to the physical condition may already have severed or impaired attempts at understanding its original function and its relationship to the physical landform in which it occurs.
10) Relationship and intervisibility with other key sites.	<p>This includes key viewpoints to, from and across the setting of a monument. Depending on the monument in question these could include: entrances, specific points on approaches, routeways, farmlands, other related buildings, monuments or natural features.</p> <p>Some sites and monuments exist, where modern scholars argue that intervisibility with other monuments in a given landscape was/is an integral part of the function of the monument. For example, the intervisibility of a number of cairns on the skyline of a monument may be understood as a key function of these ritual sites linking the separate sites across the landscape. The impact of the proposed development may be considered to be higher if the intervisibility between such sites is interrupted by the placing of a modern turbine and as such the key relationships between monuments is of relevance to this assessment.</p>
11) Economic Function	What was the economic function of the monument in the past and how does it function economically in the current landscape?
12) Evidence for technology engineering	What evidence remains for internal architecture, evidence for the skills of its builders? How was it constructed?
13) Palaeoenvironment potential	What is the likely palaeoenvironmental potential of the monument? Is it likely to preserve significant evidence for past environments?
<b>Historic Detail</b>	
14) Chronology of monument	What evidence does the monument contain for activity from specific archaeological periods?
15) Chronology of landscape	What evidence exists in the surrounding landscape for time depth and use through history and prehistory?

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16) Landform Evolution	How has the surrounding physical landform evolved and how does it relate to the monument in its current setting?
17) Archaeological Study	Has the monument been the subject of previous archaeological study? What did it reveal about the monument in its current setting? What is the potential for future archaeological study?
<b>Social Detail</b>	
18) Nature of original and authentic uses	<p>When the historic structure was developed or in use, was it located to be seen from a distance, perhaps from other sites or buildings? Was it intended to have wide views over the landscape?</p> <p>Generally the role of site and setting was potentially of higher importance in the case of ritual monuments (e.g. barrow cemeteries), strategic and defensive monuments, and monuments designed to convey power or high status (e.g. hillforts and castles). Conversely, the setting of farms and industrial buildings was usually less important than their primary economic functions. Typically, their location would be strongly influenced by economics, e.g. emphasising proximity to raw materials, markets, etc). Similarly, commercial premises were sited according to demographics and economics, with setting being less relevant. Therefore the uses of a monument and whether views to and from it were relevant to its function are factors in this assessment.</p>
19) Inferred Importance of setting	<p>The importance of the setting refers, as above, to our conception of the importance of a monument's setting and orientation to its builders and users. Some scholars argue that monuments interacted as part of a system with other contemporary elements (man-made or natural) in the landscape. In some cases, setting was thus a significant element in the siting of monuments.</p> <p>The importance of this original setting thus partially reflects how sensitive a monument is to changes to that setting.</p>
20) Inferred importance of view towards proposed wind farm site	The importance of views towards the proposed development area from the monument either in the past or present is a key factor in understanding how changes in these views will affect the overall appropriateness of monument setting. For example, a monument with open and extensive views across the proposed wind farm will be more sensitive to the development than one with restricted views towards the development and open views focused away from the proposed wind farm.
21) Geographical remoteness	The geographical remoteness of a monument can affect how frequently it is visited by either professionals or members of the public. For example, how close is the monument to modern population centres? Are there any public amenities or interpretation centres nearby? Is the monument close to public roads or footpaths that would encourage and allow the site to be easily visited?

### Assessing Magnitude of Impact

The magnitude of impact by the proposed development is an assessment of the magnitude of change at any given monument. Table 4 below outlines the main factors affecting magnitude of impact:

**TABLE 4: FACTORS AFFECTING MAGNITUDE OF IMPACT**

Site Details	Importance of detail for assessing magnitude impact
1) Proximity to centre of development	The greater the distance a cultural heritage feature is from the proposed development, the more diminished the visual effects will be. With regard to the now revoked PAN45 (2002) the Scottish Executive issued the following guidance on visibility of towers with a tower height of >70m and rotor diameters of >80m: at <2 km towers are likely to be a prominent feature; at 2-5 km towers are relatively prominent; at 5-15 km towers are only prominent in clear visibility – seen as part of the wider landscape; at 15-30 km towers are only seen in very clear visibility – a minor element in the landscape. The new guidance does not offer any indication of prominence of towers and as such we continue to refer to that offered in PAN45.
2) Number of turbines visible based on ZTV model and wireframes	The number and proportion of the full height of the turbines that will be visible will directly affect the magnitude of impact on setting on any given cultural heritage feature.
3) Complexity of landscape	The more visually complex a landscape is, the less prominent the new development will seem within it. This is because where a landscape is visually complex; the eye can be distracted by other features and will not focus exclusively on the wind farm. Visual complexity describes the extent to which a landscape varies visually and the extent to which there are various land types, land uses, and built features producing variety in the landscape.
4) Visual obstructions	This refers to the existence of features (e.g. tree belts, forestry, landscaping or built features) that could partially or wholly obscure the wind farm from view. The form of mapping called ZTV always presents a worst case scenario for visibility precisely because the readily accessible digital mapping does not take cognisance of vegetation, structures and local micro-topography. Ground truthing is always necessary for a real appraisal of the magnitude of visual impacts.

Once the above has been considered the magnitude of impact will be classified based upon the criteria set out below in Table 5.

**TABLE 5 CRITERIA FOR CLASSIFYING MAGNITUDE OF VISUAL IMPACT**

Visual Impact	Criteria
High	Direct and substantial visual impact on a significant sightline to or from a ritual monument or prominent fort; Direct severance of the relationship between a monument and its setting where that monument has a Low, Medium or High visual sensitivity; Major alteration to elements of setting which directly and demonstrably contribute to the cultural value of a Designated Heritage Asset

## INGLISTON FARM TURBINE, ANGUS: ASSESSMENT OF IMPACTS UPON SETTING

	<p>with Low to High visual sensitivity;</p> <p>Major visual imposition within a Cultural Landscape;</p> <p>Major visual imposition within or affecting an Iconic Site or Monument</p>
Medium	<p>Oblique visual impact on an axis adjacent to a significant sightline to or from a ritual monument but where the significant sightline of the monument is not obscured;</p> <p>Glacis of a prominent fort (based on the proportion of the glacis that would be obscured);</p> <p>Partial severance of the relationship between a monument and its setting where that monument has a Low, Medium or High visual sensitivity;</p> <p>Significant alteration to the setting a SM (or asset of comparable importance) of Medium to High visual sensitivity or significant alteration to the setting of a Category A, B or C Listed Building (or asset of comparable importance) of Medium to High visual sensitivity beyond those elements of the setting which directly contribute to the understanding of the cultural significance of the monument;</p> <p>Significant but not major visual imposition within a Cultural Landscape.</p>
Low	<p>Peripheral visual impact on a significant sightline to or from a ritual monument;</p> <p>Insignificant alteration to the setting of a SM of Medium to High visual sensitivity or insignificant alteration to the setting of a Category A, B or C Listed Building (or asset of comparable importance) of Medium to High visual sensitivity beyond those elements of the setting which directly contribute to the understanding of the cultural significance of the monument;</p> <p>Minor visual imposition with a Cultural Landscape.</p>
Marginal	All other visual impacts
None	No intervisibility.

### ***Assessing Significance of Impact***

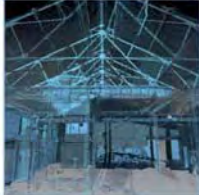
The significance of impacts on the setting of cultural heritage features is judged to be the interaction of the monument's visual sensitivity (Table 2) and the magnitude of the impact (Table 5) and also takes into consideration the cultural value of the monument (Table 1). In order to provide a level of consistency the assessment of sensitivity, the prediction of magnitude of impact and the assessment of significance of impact have been guided by pre-defined criteria. A short descriptive narrative is also provided for each monument to summarise and explain each of the value judgements that have been made.

The interactions determining significance of impact on settings of the monuments in question is shown in Table 6.

**TABLE 6: SIGNIFICANCE OF IMPACT ON THE SETTING OF CULTURAL HERITAGE FEATURES**

<b>Impact magnitude</b>	<b>Relative Visual Sensitivity</b>			
	<i>Marginal</i>	<i>Low</i>	<i>Medium</i>	<i>High</i>
<i>High</i>	Minor	Minor	Moderate	Major
<i>Medium</i>	Negligible	Minor	Minor	Moderate
<i>Low</i>	None/Negligible	Negligible	Minor	Minor
<i>Marginal</i>	None	None	Negligible	Minor

The impacts recorded in highlighted cells are 'significant' in terms of the Environmental Impact Assessment (Scotland) Regulations 2011



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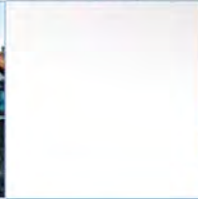
[www.aocarchaeology.com](http://www.aocarchaeology.com)



# Ingliston Farm Turbine Angus Response to Historic Scotland Objection

AOC Project Number 22580

February 2014



## Introduction

This document sets out AOC Archaeology's (AOC) comments on the proposed turbine at Ingliston Farm, Angus. It is intended that it will act as a discussion document at a meeting between the applicants, their agents, Locogen, and Historic Scotland on the 11<sup>th</sup> February 2014. The document sets out AOC's involvement in the project, summarising the results of our assessment and addressing Historic Scotland comments on the adequacy of that assessment.

This response will also provide comment on Historic Scotland's letters of objection (dated 16 December 2013 and 4 February 2014). We note from these consultation responses that Historic Scotland's main concern is impacts upon the burial cairns at Castleward (HS Index 4742) and Wester Denoon (HS Index 4764). We note also that Historic Scotland consider that there is the potential for adverse affects upon the setting of Denoon Law Hillfort (HS Index 138) but that they do not believe such impacts would raise issues of National Importance. Given this understanding our comments will focus on the burial cairns alone.

This document also sets out AOC's comments upon the revised proposal for a lower turbine and will note Historic Scotland responses to applications which we believe are comparable to the Ingliston Farm proposal.

## AOC Assessment

AOC Archaeology was commissioned by Locogen, on behalf of their client, to provide an assessment of the potential impacts upon the settings of a number of scheduled monuments in the vicinity of the proposed turbine at Ingliston Farm, Angus. This commission followed Historic Scotland's request for further information in a letter dated 17 October 2013. AOC's assessment was informed by desk-based research, site visits (undertaken 31 October 2013) and visualisations provided by Locogen.

AOC's assessment concluded that the turbine, in its originally proposed location, had the potential to have impacts of *Minor* and *Moderate* significance, respectively, upon the burial cairns at Castleward and Wester Denoon.

Burial cairns, as a monument type, are generally deemed to have high visual sensitivity\*. This is because it is commonly accepted that such cairns were constructed in locations from which they could be seen from the surrounding landscape. Their positions also often afforded wide views of the that landscape. They are furthermore often known to be placed sequentially along ridgelines or routeways. In the specific cases of Wester Denoon and Castleward, AOC judged the cairns to be of High and Medium visual sensitivity respectively. The visual sensitivity of Castleward was reduced due to its particularly denuded nature. It survives to a maximum height of 40cm and the site visit indicated that, as a result of its reduced field characteristics, the monument was difficult to discern unless one was in close proximity to it. While it is clear when standing at the cairn that views from it are expansive, it is AOC's view that the cairn can no longer be said to be a dominant feature in the landscape. As such the ability to understand its relationship to its setting has been moderately compromised (see Table 2 of Appendix 1 of the AOC's assessment).

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\* As per the methodology set out in Appendix 1 of our assessment, visual sensitivity refers to the monument's sensitivity to changes to its setting.

The assessment judged that the turbine had the potential to form a significant new feature in the landscape setting of the cairns and noted that the turbine would be located in views along the ridgeline upon which the cairns are located. While this sightline was accepted to be an important element of the cairns' setting, the turbine would not be located directly along this alignment, and therefore would not sever the sightline between the cairns or appear directly behind Castleward when viewed from Wester Denoon. As per the methodology set out in Appendix 1 (see Table 5) of our assessment this was classified as an impact of Medium magnitude for both cairns. The resulting Significance of the impacts, noted above, were the results of the matrix set out in Table 1 of the assessment (also Table 6 in Appendix 1).

Qualitative assessment considered that while the turbine, in its originally proposed position, would be a prominent new feature in views to the north from the cairns, the ability to understand and appreciate the monuments and their relationship with each other and the surrounding landscape would not be materially compromised. The significant alignment along the ridgeline would not be severed and views along Denoon Glen (Ewnie Burn) would be largely unaffected. Expansive views to the west and northwest across the Strathmore and Dean Water would still be possible, albeit with the inclusion of the turbine in views to the north. The monument's ability to inform<sup>†</sup>, in which its cultural value lies, would not be impeded.

AOC stand by their assessment both of the visual sensitivity of the monuments and of the magnitude and significance of impact upon the setting of the burial cairns by the original proposal.

### Historic Scotland Response to AOC Assessment

In an email to Locogen on the 15 November 2013, Historic Scotland noted that they had '...some reservations...' about the AOC Assessment, characterising it as a visual assessment rather than an assessment of the potential impacts upon the setting of the monuments. AOC asked for clarification on this statement from Rory McDonald during a telephone conversation on the 19<sup>th</sup> November 2013. Mr McDonald indicated that he had re-read the assessment since providing feedback to Locogen and was content that the assessment was a setting assessment, though he noted he would be undertaking a site visit to inform his own assessment of impacts upon setting.

We would note that our assessment of impact upon setting takes cognisance of the Historic Scotland guidance on setting (2010). As per that guidance we have identified the assets which could be affected, defined their setting (including those elements of setting which contribute most to significance of the monuments) and assessed how the new development would impact upon that setting. In making that assessment we have considered how setting contributes to the ability to understand, appreciate and experience the assets and how the proposed turbine may affect these abilities.

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<sup>†</sup> Note in Historic Scotland's online search for Scheduled Monuments for Castleward no reasons for its National Importance are given ([http://data.historic-scotland.gov.uk/pls/html/db/f?p=2300:35:1047654111002192::NO::P35\\_SELECTED\\_MONUMENT:4742](http://data.historic-scotland.gov.uk/pls/html/db/f?p=2300:35:1047654111002192::NO::P35_SELECTED_MONUMENT:4742)). For Wester Denoon the description notes that the monument is of national importance because of its potential ability to inform this and future generations about prehistoric burial and ceremonial practices (including the relationship of contemporary and proximate monuments to one another) and prehistoric landuse. These reasons are quoted in HS's response letters to this application.

Furthermore we would note that, it is primarily the visual setting with which we have to be concerned for this proposal. Indeed Historic Scotland's response of the 17 October 2013 referenced 'visual links' between the cairns, the 'prominent locations' of the cairns, and the potential for the turbine to 'challenge the cairns for dominance in views' when discussing potential impacts upon setting. All of these elements of setting were considered in the AOC assessment. No comment on our assessment is made in the objection letters from Historic Scotland.

## Revised Proposal

Following Historic Scotland's site visit, and subsequent objection, the applicant suggested a mitigation measure to reduce the impact upon the setting of the burial cairns at Castleward and Wester Denoon. The applicant suggested a 20% reduction in the height of the turbine. This reduction in height meant that the turbine no longer broke the skyline in views from Castleward and resulted in a reduction in the impact upon the setting of the cairns. Following submission of revised visualisations Historic Scotland maintained their objection.

## Historic Scotland Objection

Historic Scotland provided letters of objection to the amended proposal on 16 December 2013 and 4 February 2014. In these responses Historic Scotland identify the assets which will be potentially impacted by the development, they define the setting of these assets and they assess the potential impacts upon them by the proposal. We agree with the descriptions of the monuments and their settings which are not dissimilar from our own.

With regard to the assessment of impact we have a number of observations and queries.

The letters note that Castleward burial cairn is located prominently '...between the upland and Strathmore.' While we would agree that the cairn is located on a prominent ridge (e.g. landform), it can no longer be said that the cairn itself is prominent. This is important because, as is argued in paragraph 4.4 of our report, the cairn at Castleward does not form a prominent feature in views from Wester Denoon or in when viewed from the wider landscape. The angle off which the turbine is set from the ridge means that it cannot be said that turbine will replace Castleward cairn as a prominent feature in the view along the ridgeline from Wester Denoon, nor can it be said for any other view.

Both objection letters noted that the turbine would '...reduce the monument's elevated location in the landscape'. It is unclear what is meant by this and we would ask for clarification.

The letters note that:

*'Due to its dominance and location, the turbine would become the main feature in this surrounding area, altering the balance between the relationship of the local landscape agricultural setting and the elevated position of the monuments, and its key visual relationship along the ridge line'*

The letters go on to say that this would reduce the ability to appreciate the monument and its setting. However the letters also acknowledge expansive views across the Strathmore which

effectively form a 180° view from southwest to northeast. Therefore it is unlikely that an observer would have difficulty understanding the elevated location of the cairns above the extensive Strathmore plain and agricultural land below. Our comments on impacts upon the visual relationship between the cairns along the ridge line are addressed throughout this response and so not reiterated here.

## HS Response to Similar Applications

Whilst we would acknowledge the idiosyncrasies of each case we would offer the following examples (in addition to the mention of West Mains, Auchterhouse by Locogen in an email of 5 February) of Historic Scotland's responses to one turbine developments in the vicinity of prehistoric burial cairns. In both cases, AOC acted as the heritage consultant for the applicant and predicted impacts of moderate significance (and therefore of significance in terms of EIA regulations) upon the setting of the burial cairns. While Historic Scotland acknowledged significant adverse affects, and in both cases indicated they felt impacts would be slightly greater than the impacts of Moderate significance predicted by AOC, they did not consider that the impacts warranted objection.

### *Greens Farm, South Lanarkshire (CL/13/0026)*

The application at Greens Farm was for a single turbine of a maximum height of 87 m to tip. The turbine was located within 1 km of five scheduled monuments which comprised a total of seven burial cairns. It was these cairns which were the main concern for Historic Scotland, though a number of other scheduled cairns were also located within 2 km of the proposal. One of Historic Scotland concerns was that the turbine would be juxtaposed with two round cairns when these were viewed from a nearby long cairn (e.g. a concern similar in nature to that expressed in this case with regard to view of Castleward from Wester Denoon). The dominance and/or prominence of the turbine in a number of other views was also a concern. In initial pre-application advice Historic Scotland indicated they would object to the proposal. However, following assessment by AOC, a joint site visit and submission of the application, Historic Scotland did not object to the application but rather advised the council that they should consider requesting that the applicant reduce the height of the turbine and/or consider other locations within the land holding.

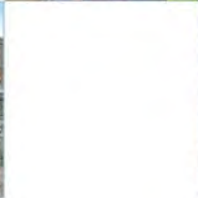
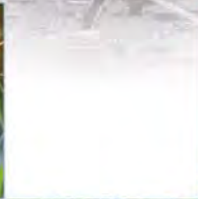
### *Lessendrum Home Farm, Aberdeenshire (APP/2013/1103)*

The application at Lessendrum Home Farm was for a single turbine of a maximum height of 77 m to tip. The turbine was located between c. 590 m and c. 672 m from Gerrieswells scheduled monument which comprised a long barrow and a round cairn set atop a prominent hill. The turbine was proposed to the north of the monuments. The monuments were aligned northeast to southwest and the turbine would have appeared prominent in the view to the north from the long barrow across the round cairn. The turbine was set off slightly from the alignment and did not appear directly behind the round cairn in views. While the hill on which the cairns were located was sparsely surround by mature deciduous trees which partially screened the turbine; the turbine could be glimpsed through the trees and the tip of the blade over topped the trees. While Historic Scotland didn't object they considered the impact was of slightly more than Moderate significance, as predicted by AOC, and they indicated they would welcome mitigation measures such as relocation or height reduction.

## Conclusion

This discussion document has set out AOC's comments on the application for a single turbine proposed at Ingliston Farm, Angus. We stand by our assessment of the original proposal which indicated impacts of *Minor* and *Moderate* significance, respectively, upon the setting of the scheduled burial cairns at Castleward and Wester Denoon. We note that the applicant's proposals to shorten the proposed turbine would lessen the impact upon the setting of these heritage assets.

Our comments on Historic Scotland's objection letters are set out above and we consider that further comment and/or clarification from them on points of prominence, key visual relationships and reduction of elevated location is necessary and would be helpful. This is especially true given that from Historic Scotland has not objected to a number of similar single turbine proposals, as set out above.



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**Project Description**

Number of Turbine(s):	1
Turbine Model:	EWT Directwind 54
Hub Height:	50m
Blade diameter:	54m
Total height to blade tip:	77m
Turbine location:	334397 744313

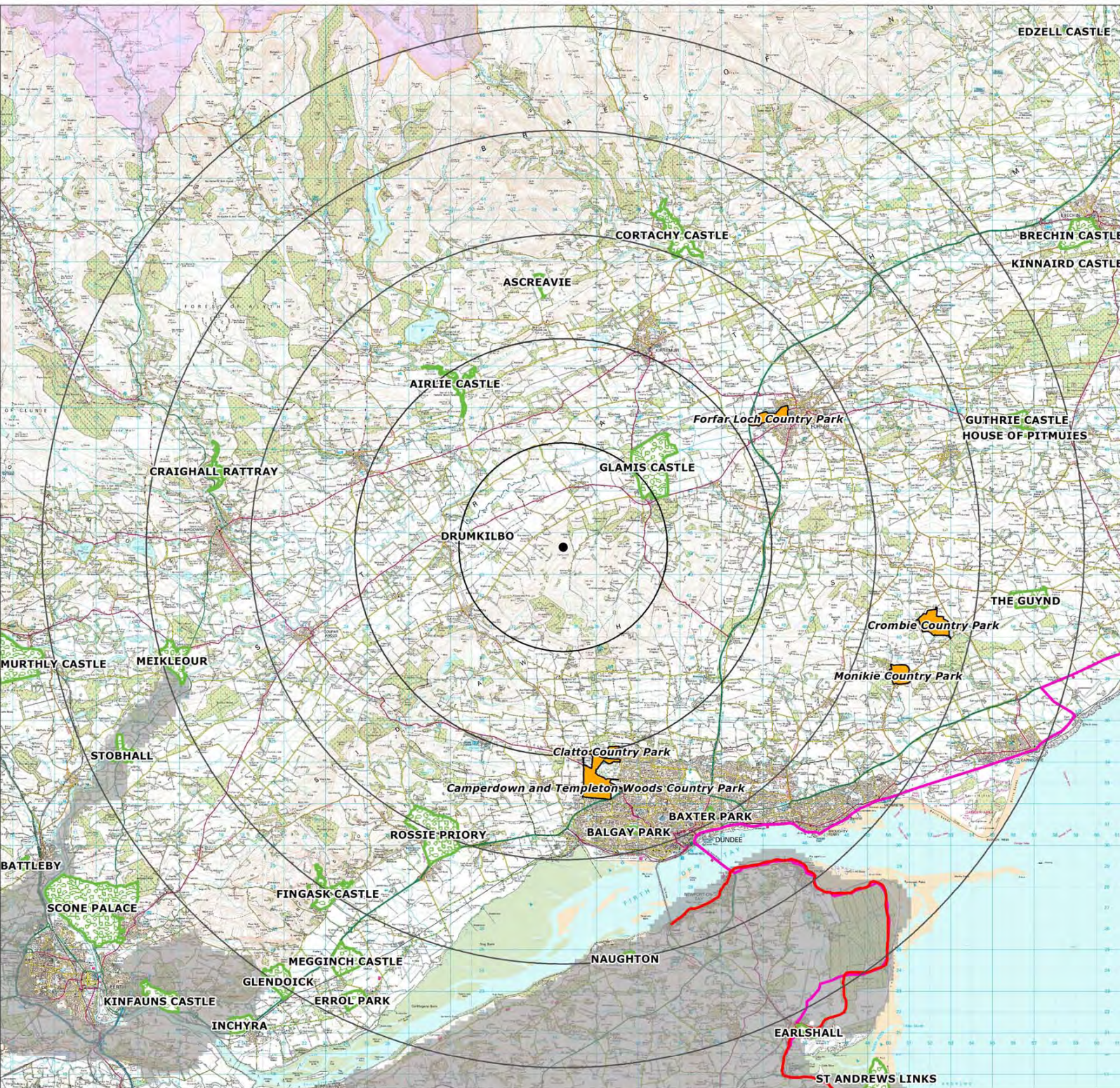
**Notes**

This map shows the designated landscape areas within 25km of the proposed site: country parks, gardens and designed landscapes, popular walking and cycling routes and local designated areas.  
 Radii: 5, 10, 15, 20 and 25km

**Legend**

-  Turbine Location
-  Country Parks
-  Gardens and Landscapes Scotland
-  Fife Coastal Path
-  National Cycle Route 1
-  Cairngorm National Park
-  Local Designation Areas

PROJECT:	Ingliston Farm
DRAWING TITLE:	Designated Landscape Areas
DRAWING NO:	ING006
DOCUMENT SIZE:	A3
SCALE:	1: 180,000
DATE:	27/08/2013
DRAWING BY:	Bojan Jevtic
APPROVED BY:	Andy Lowe





**Project Description**

Number of Turbine(s): 1  
 Turbine Model: EWT Directwind 54  
 Hub Height: 50m  
 Blade diameter: 54m  
 Total height to blade tip: 77m  
 Turbine location: 334397 744313

**Notes**

This map shows the Scheduled Monuments and A-Listed Buildings within 5km of the proposed wind turbine site.

Radius: 5km

**Legend**

- Turbine Location
- Scheduled Monuments
- ▲ A Listed Buildings

PROJECT:	Ingliston Farm
DRAWING TITLE:	Cultural Heritage
DRAWING NO:	ING007
DOCUMENT SIZE:	A3
SCALE:	1: 40,000
DATE:	27/08/2013
DRAWING BY:	Bojan Jevtic
APPROVED BY:	Andy Lowe





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 Company Number: SC370060; VAT Number: 983 3836 77

**Project Description**

Number of Turbine(s): 1  
 Turbine Model: EWT Directwind 54  
 Hub Height: 50m  
 Blade diameter: 54m  
 Total height to blade tip: 77m  
 Turbine location: 334397 744313

**Notes**

This table provides a list of Scheduled Monuments and A-Listed Buildings shown in the Cultural Heritage drawing ING007.

ID	Scheduled Monuments	Easting	Northing	Distance from turbine (km)
1	Castleward, burial mound	334323	743859	0.5
2	Denoon Law, fort	335464	744402	1.1
3	Wester Denoon, burial mound	333787	743130	1.3
4	Hatton of Eassie, ring-ditch	335322	746180	2.1
5	Balkeerie, unenclosed settlement	332401	745167	2.2
6	Newmill, ring ditch	332559	745505	2.2
7	Carlunie Hill, cairn	336578	743261	2.4
8	Castleton Motte	333300	746618	2.6
9	Carlunie Hill, hut platforms	336907	743245	2.7
10	West Nevay, burial mound	332975	741941	2.8
11	Nevay Church, Kirkinch	331230	744111	3.2
12	Eassie Old Church and cross slab	335252	747453	3.3
13	Kinpurney Hill, fort	332250	741749	3.3
14	Cookston Farm, enclosure	333921	748079	3.8
15	Newton of Glamis, unenclosed settlement	337083	747110	3.9
16	Newton of Glamis, enclosure	337453	746780	3.9
17	Braideston, enclosures	331770	747402	4.1
18	Cardean, Roman camps	329954	745937	4.7
19	Glamis Manse, cross slab	338591	746865	4.9

ID	A - Listed Buildings	Easting	Northing	Distance from turbine (km)
a	Mains Of Rochelhill, Dovecot	337502	745142	3.2
b	Glamis, Kirkwynd, St Fergus's Church, Strathmore Aisle	338644	746855	4.9
c	Glamis Castle, Dovecot	338407	747286	5.0

PROJECT: Ingliston Farm  
 DRAWING TITLE: List of Cultural Heritage Sites  
 DRAWING NO: ING008  
 DOCUMENT SIZE: A3  
 SCALE: n/a  
 DATE: 27/08/2013  
 DRAWING BY: Bojan Jevtic  
 APPROVED BY: Andy Lowe

**Project Description**

Number of Turbine(s): 1  
 Turbine Model: EWT Directwind 54  
 Hub Height: 50m  
 Blade diameter: 54m  
 Total height to blade tip: 77m  
 Turbine location: 334397 744313

**Notes**

This map shows the various Landscape Character Areas within 25km of the proposed wind turbine site.

Radii: 5, 10, 15, 20 and 25km

**Legend**

● Turbine Location



PROJECT:	Ingliston Farm
DRAWING TITLE:	Landscape Character Type
DRAWING NO:	ING009
DOCUMENT SIZE:	A3
SCALE:	1: 180,000
DATE:	27/08/2013
DRAWING BY:	Bojan Jevtic
APPROVED BY:	Andy Lowe



**Project Description**

Number of Turbine(s): 1  
 Turbine Model: EWT Directwind 54  
 Hub Height: 50m  
 Blade diameter: 54m  
 Total height to blade tip: 77m  
 Turbine location: 334397 744313

**Notes**

This map shows the Zone of Theoretical Visibility of the proposed wind turbine within 25km.

Radii: 5, 10, 15, 20 and 25km

**Legend**

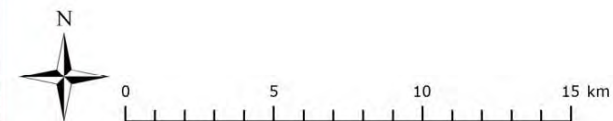
● Turbine Location

This theoretical visibility map is based on a receptor viewing height of 1.8m AGL. The levels of theoretical visibility are based on the following colouring scheme:

- Blue: Only the blades are theoretically visible from these areas
- Yellow: At least the nacelle and blades are theoretically visible in these areas
- Red: The blades, nacelle and tower down to a point at least 1m AGL are theoretically visible in these areas

PROJECT: Ingliston Farm

DRAWING TITLE: ZTV  
 DRAWING NO: ING010  
 DOCUMENT SIZE: A3  
 SCALE: 1: 180,000  
 DATE: 27/08/2013  
 DRAWING BY: Bojan Jevtic  
 APPROVED BY: Andy Lowe



**Project Description**

Number of Turbine(s):	1
Turbine Model:	EWT Directwind 54
Hub Height:	50m
Blade diameter:	54m
Total height to blade tip:	77m
Turbine location:	334397 744313

**Notes**

This map shows the proposed turbine Zone of Theoretical Visibility within 10km of the proposed site in a south east direction.

Radii: 5 and 10km

**Legend**

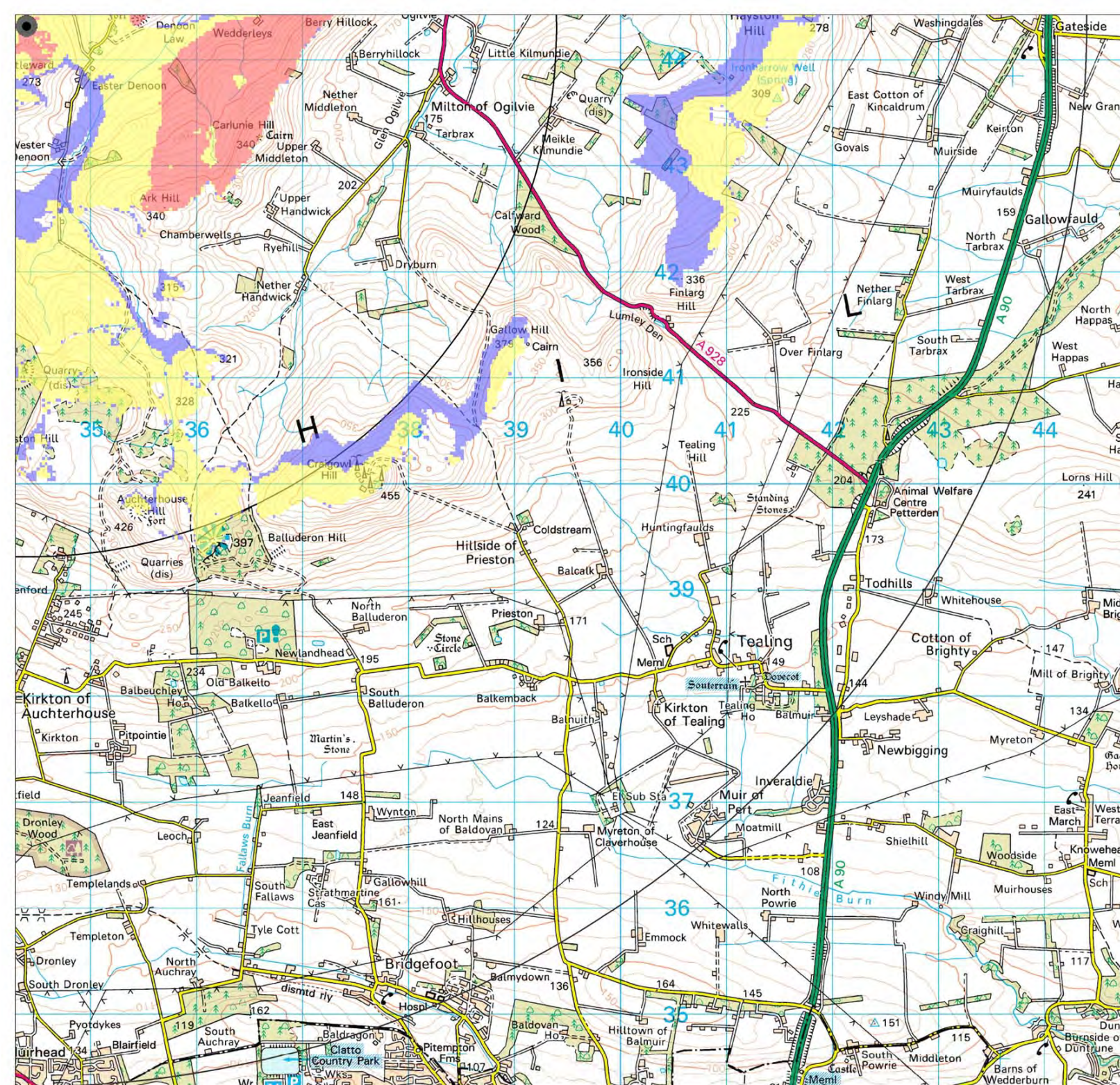
- Turbine Location

This theoretical visibility map is based on a receptor viewing height of 1.8m AGL. The levels of theoretical visibility are based on the following colouring scheme:

- Blue: Only the blades are theoretically visible from these areas
- Yellow: At least the nacelle and blades are theoretically visible in these areas
- Red: The blades, nacelle and tower down to a point at least 1m AGL are theoretically visible in these areas

PROJECT: Ingliston Farm

DRAWING TITLE: ZTV 10km South East  
 DRAWING NO: ING011  
 DOCUMENT SIZE: A3  
 SCALE: 1:35,000  
 DATE: 27/08/2013  
 DRAWING BY: Bojan Jevtic  
 APPROVED BY: Andy Lowe



**Project Description**

Number of Turbine(s):	1
Turbine Model:	EWT Directwind 54
Hub Height:	50m
Blade diameter:	54m
Total height to blade tip:	77m
Turbine location:	334397 744313

**Notes**

This map shows the proposed turbine Zone of Theoretical Visibility within 10km of the proposed site in a north east direction.

Radii: 5 and 10km

**Legend**

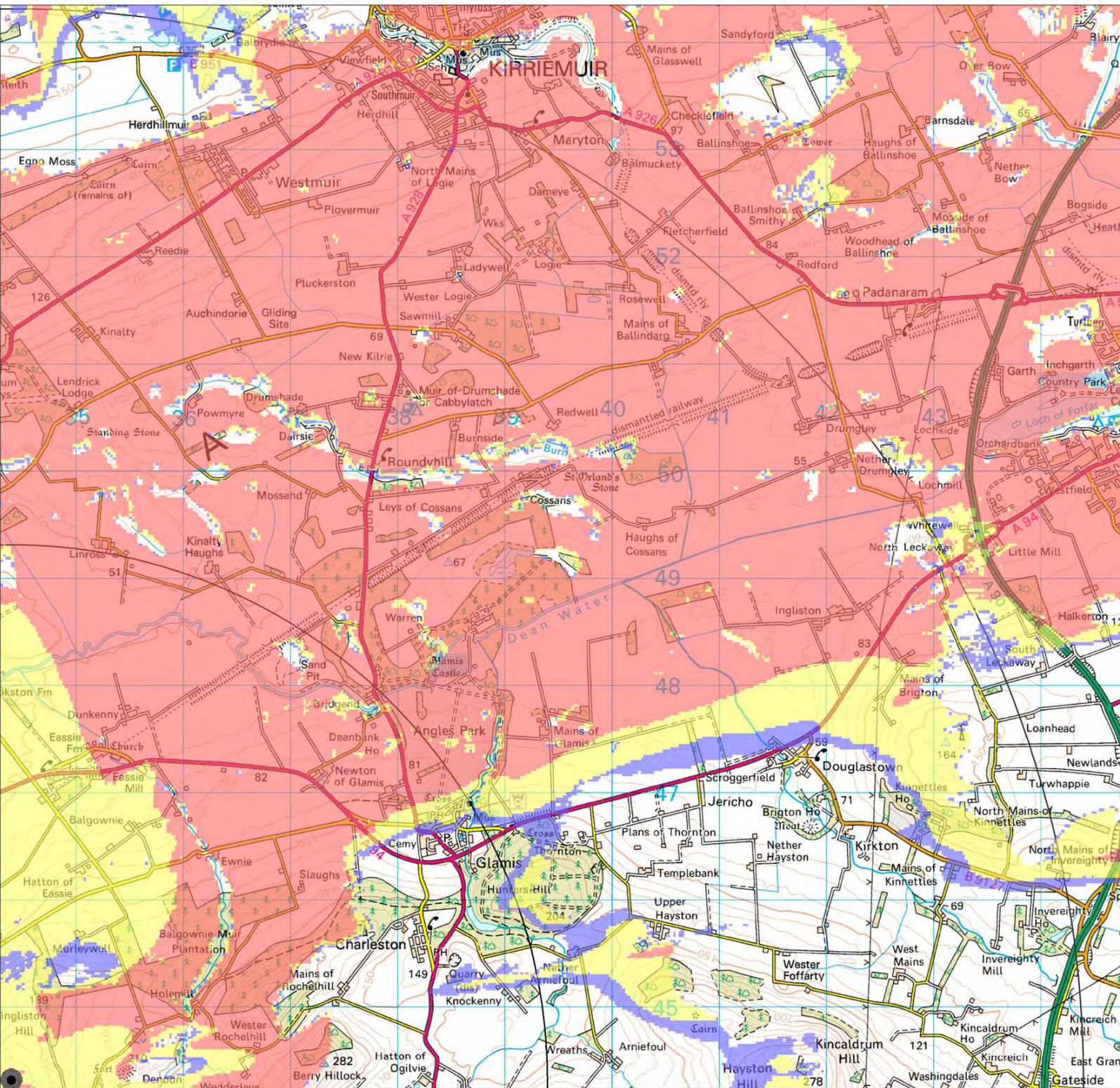
- Turbine Location

This theoretical visibility map is based on a receptor viewing height of 1.8m AGL. The levels of theoretical visibility are based on the following colouring scheme:

- Blue: Only the blades are theoretically visible from these areas
- Yellow: At least the nacelle and blades are theoretically visible in these areas
- Red: The blades, nacelle and tower down to a point at least 1m AGL are theoretically visible in these areas

PROJECT: Ingliston Farm

DRAWING TITLE: ZTV 10km North East  
 DRAWING NO: ING012  
 DOCUMENT SIZE: A3  
 SCALE: 1:35,000  
 DATE: 27/08/2013  
 DRAWING BY: Bojan Jevtic  
 APPROVED BY: Andy Lowe



**Project Description**

Number of Turbine(s):	1
Turbine Model:	EWT Directwind 54
Hub Height:	50m
Blade diameter:	54m
Total height to blade tip:	77m
Turbine location:	334397 744313

**Notes**

This map shows the proposed turbine Zone of Theoretical Visibility within 10km of the proposed site in a north west direction.

Radii: 5 and 10km

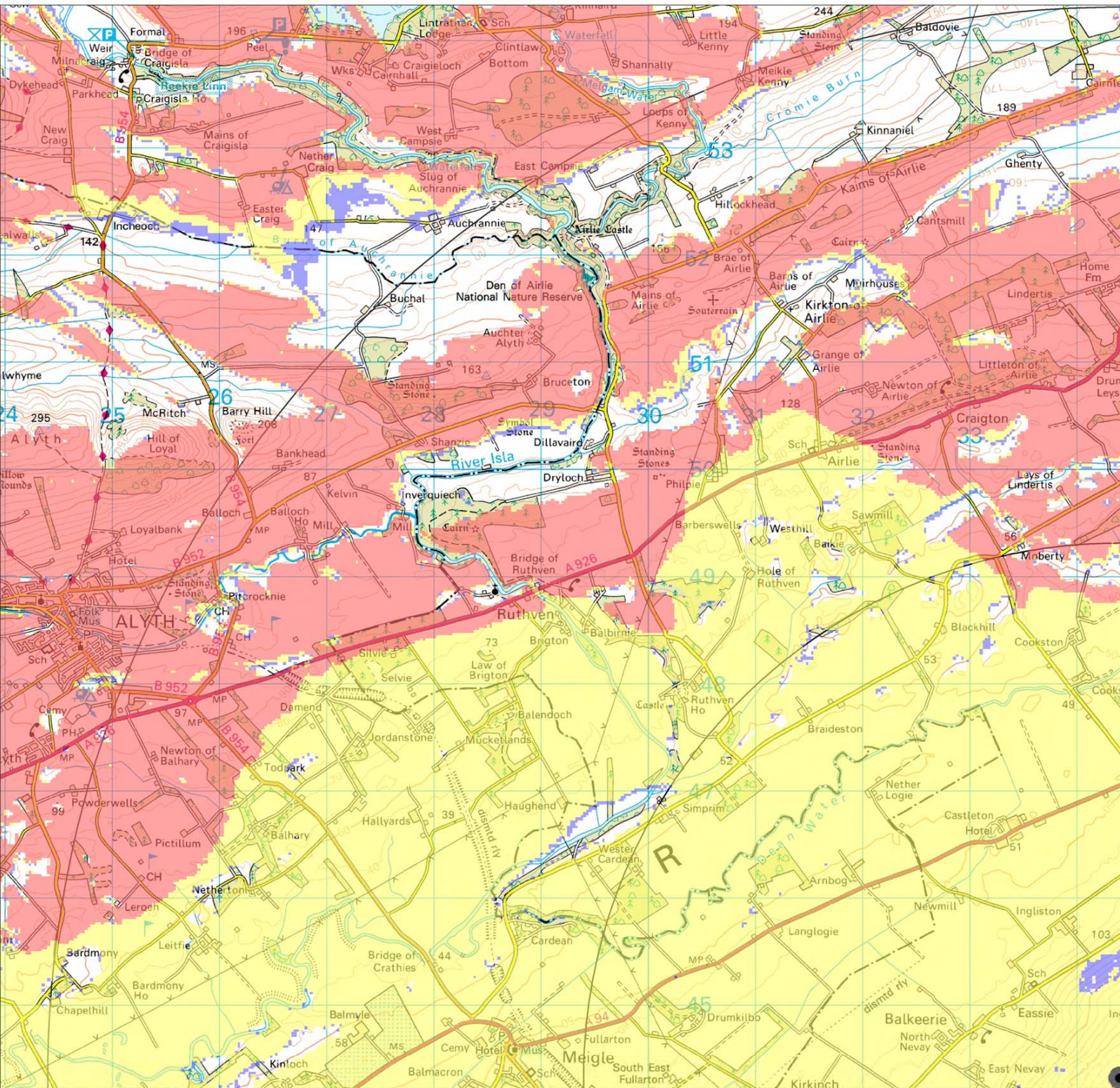
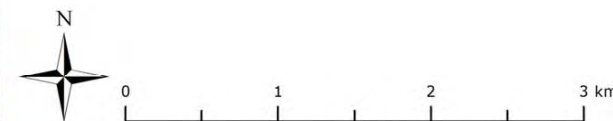
**Legend**

- Turbine Location

This theoretical visibility map is based on a receptor viewing height of 1.8m AGL. The levels of theoretical visibility are based on the following colouring scheme:

- Blue:** Only the blades are theoretically visible from these areas
- Yellow:** At least the nacelle and blades are theoretically visible in these areas
- Red:** The blades, nacelle and tower down to a point at least 1m AGL are theoretically visible in these areas

PROJECT:	Ingliston Farm
DRAWING TITLE:	ZTV 10km North West
DRAWING NO:	ING013
DOCUMENT SIZE:	A3
SCALE:	1:35,000
DATE:	27/08/2013
DRAWING BY:	Bojan Jevtic
APPROVED BY:	Andy Lowe



**Project Description**

Number of Turbine(s):	1
Turbine Model:	EWT Directwind 54
Hub Height:	50m
Blade diameter:	54m
Total height to blade tip:	77m
Turbine location:	334397 744313

**Notes**

This map shows the proposed turbine Zone of Theoretical Visibility within 10km of the proposed site in a south west direction.

Radii: 5 and 10km

**Legend**

- Turbine Location

This theoretical visibility map is based on a receptor viewing height of 1.8m AGL. The levels of theoretical visibility are based on the following colouring scheme:

- Blue: Only the blades are theoretically visible from these areas
- Yellow: At least the nacelle and blades are theoretically visible in these areas
- Red: The blades, nacelle and tower down to a point at least 1m AGL are theoretically visible in these areas

PROJECT: Ingliston Farm

DRAWING TITLE: ZTV 10km South West  
 DRAWING NO: ING014  
 DOCUMENT SIZE: A3  
 SCALE: 1:35,000  
 DATE: 27/08/2013  
 DRAWING BY: Bojan Jevtic  
 APPROVED BY: Andy Lowe





**Project Description**

Number of Turbine(s):	1
Turbine Model:	EWT Directwind 54
Hub Height:	50m
Blade diameter:	54m
Total height to blade tip:	77m
Turbine location:	334397 744313

**Notes**

This map shows the designated landscape areas within 25km of the proposed site: country parks, gardens and designed landscapes, popular walking and cycling routes and local designated areas.  
 Radii: 5, 10, 15, 20 and 25km

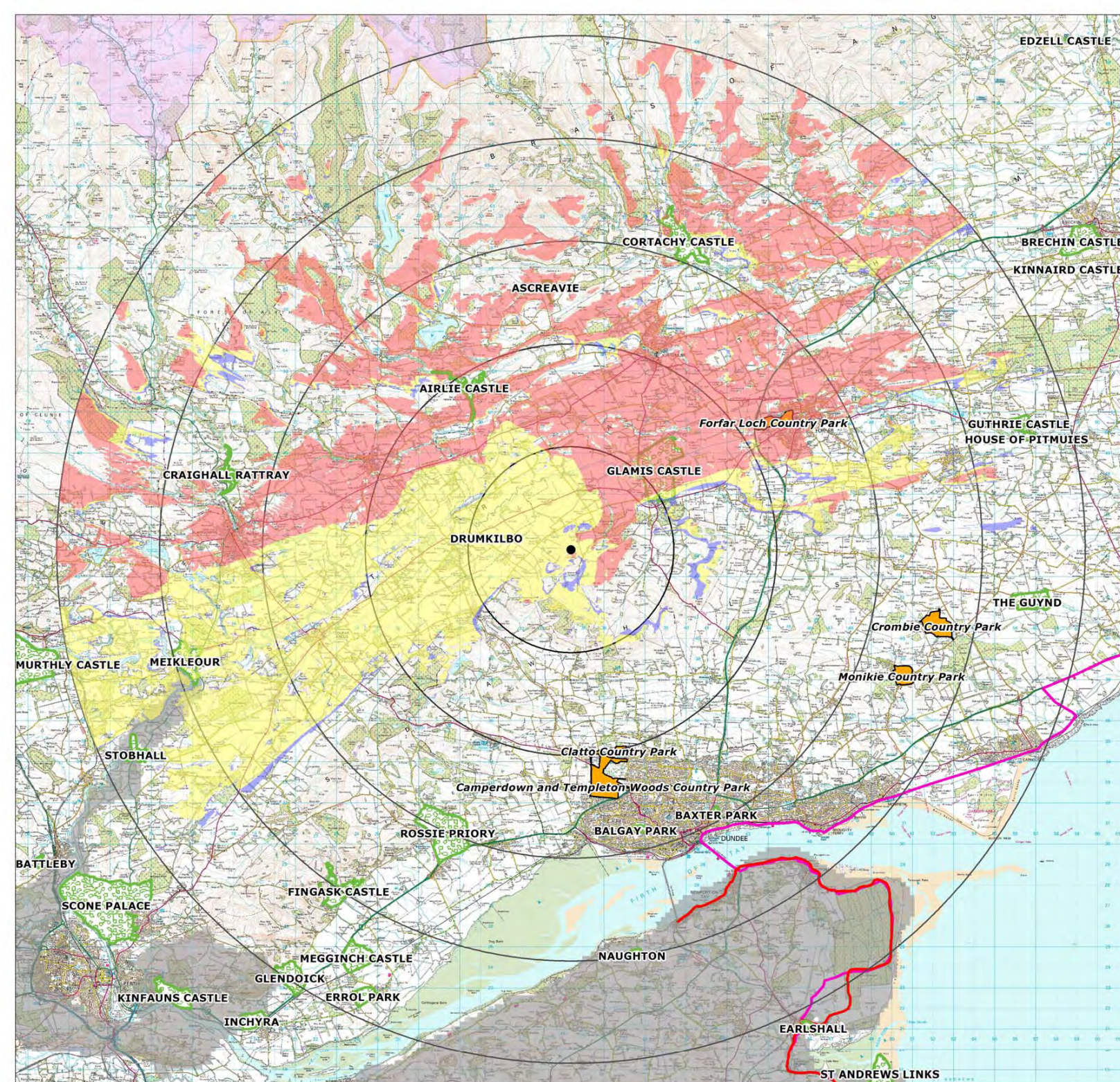
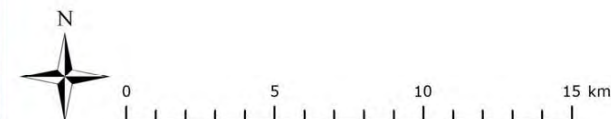
**Legend**

-  Turbine Location
-  Country Parks
-  Gardens and Landscapes Scotland
-  Fife Coastal Path
-  National Cycle Route 1
-  Cairngorm National Park
-  Local Designation Areas

This theoretical visibility map is based on a receptor viewing height of 1.8m AGL. The levels of theoretical visibility are based on the following colouring scheme:

- Blue:** Only the blades are theoretically visible from these areas
- Yellow:** At least the nacelle and blades are theoretically visible in these areas
- Red:** The blades, nacelle and tower down to a point at least 1m AGL are theoretically visible in these areas

PROJECT:	Ingliston Farm
DRAWING TITLE:	Designated Landscapes and ZTV
DRAWING NO:	ING015
DOCUMENT SIZE:	A3
SCALE:	1:180,000
DATE:	27/08/2013
DRAWING BY:	Bojan Jevtic
APPROVED BY:	Andy Lowe



**Project Description**




Number of Turbine(s): 1  
 Turbine Model: EWT Directwind 54  
 Hub Height: 50m  
 Blade diameter: 54m  
 Total height to blade tip: 77m  
 Turbine location: 334397 744313

**Notes**

This map shows the Scheduled Monuments and A-Listed Buildings within 5km of the proposed wind turbine site.

Radius: 5km

**Legend**

-  Turbine Location
-  Scheduled Monuments
-  A Listed Buildings

This theoretical visibility map is based on a receptor viewing height of 1.8m AGL. The levels of theoretical visibility are based on the following colouring scheme:

- Blue:** Only the blades are theoretically visible from these areas
- Yellow:** At least the nacelle and blades are theoretically visible in these areas
- Red:** The blades, nacelle and tower down to a point at least 1m AGL are theoretically visible in these areas

PROJECT:	Ingliston Farm
DRAWING TITLE:	Cultural Heritage and ZTV
DRAWING NO:	ING016
DOCUMENT SIZE:	A3
SCALE:	1: 40,000
DATE:	27/08/2013
DRAWING BY:	Bojan Jevtic
APPROVED BY:	Andy Lowe





Locogen Ltd, 44 Constitution St, Edinburgh, EH6 6RS  
 Tel: +44 (0) 131 555 4745; Email: [info@locogen.com](mailto:info@locogen.com)  
 Company Number: SC370060; VAT Number: 983 3836 77

ID	Scheduled Monuments	Easting	Northing	Distance from turbine (km)
1	Castleward, burial mound	334323	743859	0.5
2	Denoon Law, fort	335464	744402	1.1
3	Wester Denoon, burial mound	333787	743130	1.3
4	Hatton of Eassie, ring-ditch	335322	746180	2.1
5	Balkeerie, unenclosed settlement	332401	745167	2.2
6	Newmill, ring ditch	332559	745505	2.2
7	Carlunie Hill, cairn	336578	743261	2.4
8	Castleton Motte	333300	746618	2.6
9	Carlunie Hill, hut platforms	336907	743245	2.7
10	West Nevay, burial mound	332975	741941	2.8
11	Nevay Church, Kirkinch	331230	744111	3.2
12	Eassie Old Church and cross slab	335252	747453	3.3
13	Kinpurney Hill, fort	332250	741749	3.3
14	Cookston Farm, enclosure	333921	748079	3.8
15	Newton of Glamis, unenclosed settlement	337083	747110	3.9
16	Newton of Glamis, enclosure	337453	746780	3.9
17	Braideston, enclosures	331770	747402	4.1
18	Cardean, Roman camps	329954	745937	4.7
19	Glamis Manse, cross slab	338591	746865	4.9

**Project Description**

Number of Turbine(s): 1  
 Turbine Model: EWT Directwind 54  
 Hub Height: 50m  
 Blade diameter: 54m  
 Total height to blade tip: 77m  
 Turbine location: 334397 744313

**Notes**

This table provides a list of Scheduled Monuments and A-Listed Buildings shown in the Cultural Heritage drawing ING016.

ID	A - Listed Buildings	Easting	Northing	Distance from turbine (km)
a	Mains Of Rochelhill, Dovecot	337502	745142	3.2
b	Glamis, Kirkwynd, St Fergus's Church, Strathmore Aisle	338644	746855	4.9
c	Glamis Castle, Dovecot	338407	747286	5.0

PROJECT: Ingliston Farm  
 DRAWING TITLE: List of Cultural Heritage Sites  
 DRAWING NO: ING017  
 DOCUMENT SIZE: A3  
 SCALE: n/a  
 DATE: 27/08/2013  
 DRAWING BY: Bojan Jevtic  
 APPROVED BY: Andy Lowe

**Project Description**

Number of Turbine(s): 1  
 Turbine Model: EWT Directwind 54  
 Hub Height: 50m  
 Blade diameter: 54m  
 Total height to blade tip: 77m  
 Turbine location: 334397 744313

**Notes**

This map shows the proposed wind turbine ZTV and Landscape Characters within 25km of the proposed wind turbine site.

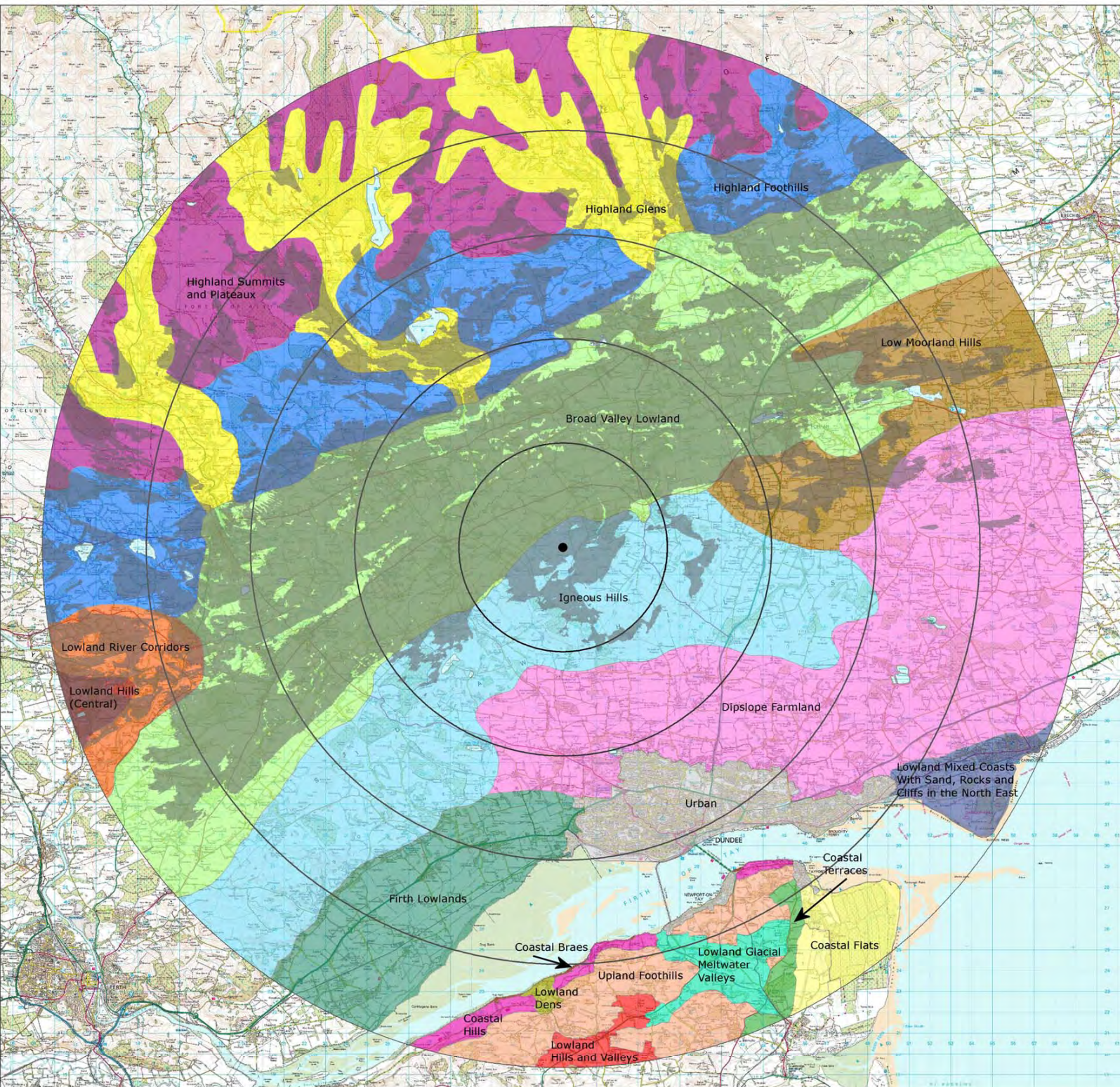
Radii: 5, 10, 15, 20 and 25km

**Legend**

● Turbine Location

This theoretical visibility map is based on a receptor viewing height of 1.8m AGL.

PROJECT:	Ingliston Farm
DRAWING TITLE:	Landscape Character Type and ZTV
DRAWING NO:	ING018
DOCUMENT SIZE:	A3
SCALE:	1: 180,000
DATE:	27/08/2013
DRAWING BY:	Bojan Jevtic
APPROVED BY:	Andy Lowe



**Project Description**

Number of Turbine(s): 1  
 Turbine Model: EWT Directwind 54  
 Hub Height: 50m  
 Blade diameter: 54m  
 Total height to blade tip: 77m  
 Turbine location: 334397 744313

**Notes**

This map shows the cumulative base plan around the proposed turbine location.

Radii: 10, 20, 30, 40, 50 and 60km

**Legend**

● Turbine Location

**Cumulative Developments Status**

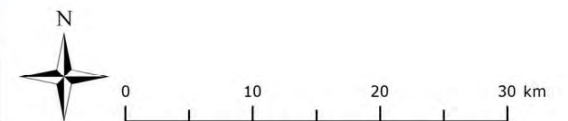
● Approved

● Installed

● Pending

PROJECT: Ingliston Farm

DRAWING TITLE: Cumulative Base Plan  
 DRAWING NO: ING019  
 DOCUMENT SIZE: A3  
 SCALE: 1:420,000  
 DATE: 27/08/2013  
 DRAWING BY: Bojan Jevtic  
 APPROVED BY: Andy Lowe





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 Company Number: SC370060; VAT Number: 983 3836 77

**Project Description**

Number of Turbine(s): 1  
 Turbine Model: EWT Directwind 54  
 Hub Height: 50m  
 Blade diameter: 54m  
 Total height to blade tip: 77m  
 Turbine location: 334397 744313

**Notes**

Details of cumulative developments shown in the Cumulative Base Plan drawing ING019

PROJECT: Ingliston Farm

DRAWING TITLE: Cumulative Base Plan List  
 DRAWING NO: ING020  
 DOCUMENT SIZE: A3  
 SCALE: n/a  
 DATE: 27/08/2013  
 DRAWING BY: Bojan Jevtic  
 APPROVED BY: Andy Lowe

Label	Location	Turbine Number	Tip (m)	Status	Distance (km)
1	Arkhill Wind Farm	8	79.6	Installed	1.8
2	Henderston Quarry	1	66.0	Approved	3.3
3	Scotson	1	79.6	Installed	4.3
4	Davidston Farm	1	62.0	Pending	5.0
5	Govals Wind Farm	6	86.5	Pending	7.1
6	Frawney Wind Farm	5	80.0	Pending	7.3
7	North Leoch	1	45.6	Approved	7.4
8	West Mains Farmhouse	1	61.0	Approved	7.6
9	Balkemback Farm	2	46.5	Approved	7.7
10	Reedie Farm	2	46.9	Approved	7.8
11	House On The Hill Kettlins	1	45.4	Approved	8.8
12	West Adamston Farm	1	47.5	Installed	8.9
13	Lundie Castle Farm	1	48.5	Pending	8.9
14	North Tarbax	1	45.9	Approved	9.1
15	House On The Hill	1	46.5	Approved	9.4
16	Tealing	1	86.5	Approved	9.5
17	Former Tealing Airfield	1	86.5	Pending	9.5
18	Dodd Hill Wind Farm	5	126.5	Pending (Appeal)	10.6
19	Loyal Farm	1	47.0	Pending	10.7
20	Wester Meathie Farm	2	46.6	Approved	11.6
21	Bamff Wind Farm	7	111.0	Pending (Appeal)	14.6
22	Greenhillock 1	1	45.9	Approved	15.2
23	Greenhillock 2	1	67.0	Pending	15.2
24	Drowndubbs Farm	2	46.5	Pending	15.3
25	Glenbran Farm	1	56.3	Pending	15.4
26	Michelin Tyres	2	120.0	Installed	15.4
27	Wester Derry Farm	1	45.0	Approved	15.5
28	Stotfaulds Farm	1	77.0	Pending	15.7
29	Gallow Hill	1	46.5	Pending	17.2
30	Outfield Farm Abernyte	1	40.0	Approved	17.3
31	Lochlair Farmhouse	1	47.0	Approved	17.4
32	Kalulu House	2	44.8	Pending	18.1
33	East Memus	1	86.5	Approved	18.2
34	White Top	1	86.5	Pending	18.6
35	Netheraid of Glasclune	1	67.0	Pending	19.1
36	Drumderg Wind Farm	16	107.0	Installed	19.1
37	Newmill Of Balgavies	1	66.5	Pending	19.3
38	West Mains Of Turin	1	49.0	Pending	19.5
39	New Downie Farm	1	54.0	Pending	19.8
40	Broom Farm	1	49.5	Pending	20.1
41	Newton Of Idvies Farm	1	47.5	Approved	20.3
42	Hill Of Lethendy Farm	1	66.6	Approved	20.6
43	Upper Balmachie Farm	1	77.0	Pending	21.0
44	Pitkenney Farm	1	74.0	Pending	21.9
45	The Corb Bridge	1	84.0	Pending (Appeal)	22.0
46	Wester Kilmany Farm	1	86.5	Pending	22.2
47	East Gormack Farm	1	66.7	Approved	22.2
48	Shandry Farm Rait	2	45.5	Approved	22.4
49	North Mains Of Conon-syth	1	66.7	Installed	22.8
50	Easter Logie	1	47.0	Pending	23.0
51	Pickerton	1	77.0	Approved	23.5
52	Parkconon Farm	1	45.0	Approved	23.5
53	Dubton Farm	1	77.0	Pending	23.9
54	Afflochie Farm	2	46.9	Approved	24.0
55	Cuthlie	1	77.0	Pending	24.3
56	Dunswood	1	77.0	Approved	25.0
57	Balnacake Farm	1	67.0	Pending	25.4
58	Newington Farm	1	41.5	Approved	25.6
59	Lordscairnrie Farm	1	45.7	Approved	25.7
60	Balhall Lodge 2	1	49.0	Pending	25.9
61	Balhall Lodge 1	1	47.5	Approved	26.2
62	Glen Trusta	2	46.9	Approved	26.4
63	Stewart Tower Farm	1	45.0	Approved	27.0
64	Nathro Hill Wind Farm	17	135.0	Pending	27.1
65	Pitbladdo Farm	1	51.0	Approved	27.3
66	Hatton Mill Farm	1	77.0	Pending (Appeal)	28.0
67	Lumbennie Hill	1	84.0	Approved	28.4
68	Westhall Cupar Fife	1	45.5	Installed	29.4
69	Balrownie Farm	2	46.5	Approved	30.7
70	Easter Pitscottie Farm	1	48.7	Pending	31.8
71	East Pitforthie Farm	1	47.0	Approved	32.2
72	Auchenreoch Farm	1	45.9	Approved	32.7
73	Lower Melville Wood	1	85.0	Pending	32.7
74	Rennure Farm	1	77.0	Pending	32.9
75	Wilton Farm	2	74.0	Pending	33.1
76	North Callange Farm	1	47.0	Pending (Appeal)	33.8
77	Arrat Farm	2	46.0	Approved	33.9
78	Whitefield Of Dun Farm	1	67.0	Approved	34.6
79	Ethie Barns Farm	1	45.0	Pending	34.6
80	Demperston Farmhouse	1	54.0	Pending	35.1
81	Hill Of Stracathro	1	79.6	Approved	35.2
82	Crossgates Cottages	1	49.0	Pending	35.5
83	Griffin Wind Farm	68	130.5	Approved	37.4
84	Lochelbank Wind Farm	12	86.5	Installed	37.8
85	Lingo Farm Lingo Wind Farm	5	100.0	Pending (Appeal)	38.2
86	Steelstrath Farm	1	84.0	Pending	38.5
87	Moss Side of Esslie	1	45.5	Approved	39.6
88	South Cassingray Farm	1	50.0	Pending	39.8
89	Lacesston Farm	1	48.0	Installed	40.0
90	Gossesslie Farm	1	47.5	Approved	40.2
91	Carriston Farm	1	56.7	Pending	40.2
92	South Baldutho Farm	1	47.5	Approved	40.7
93	East Blair Farm	2	45.5	Pending	41.3
94	Cuthill Towers Farm	1	40.0	Approved	41.5
95	Drumside	1	46.0	Pending	42.0
96	Temple Hill	1	84.0	Pending	42.0
97	Stone of Morphie Cottage	1	77.0	Pending	42.0
98	Airdrie Farm	1	74.0	Approved	42.0
99	Brigton Farm	1	81.0	Approved	42.9
100	Pitbeadle Farm	1	76.0	Pending (Appeal)	43.3
101	Dykelands	2	40.2	Approved	43.5
102	EFFC	1	81.0	Pending	44.5
103	Hydrogen Office - Methil Docks	1	81.0	Installed	44.8
104	Kirkmay Farm	1	45.0	Approved	44.8
105	Balgonie	1	86.5	Pending	44.8
106	Criggie Farmhouse	2	45.5	Approved	44.9
107	Cornceres Farm	1	53.7	Pending	45.1
108	Windy Corner	1	63.5	Approved	45.4
109	Earlseat Wind Farm	8	120.5	Approved	45.9
110	Methil Offshore Wind Demonstration Project	1	179.0	Approved	46.0
111	Mains of Woodstone	1	80.0	Pending (Appeal)	46.4
112	South Bradieston	1	66.0	Pending	46.7
113	Skeddoway Farm 2	1	126.0	Pending	47.2
114	Skeddoway Farm 1	1	110.0	Approved	47.2
115	Noble Foods Thornton	1	110.0	Approved	47.3
116	Westfield Wind Farm	5	110.0	Installed	47.4
117	West Cairnbeg	1	77.0	Pending	47.6
118	Calliachar Wind Farm	7	110.0	Pending	48.6
119	Calliachar Wind Farm Amulree	14	109.0	Approved	49.0
120	Redford Farm	1	53.9	Approved	49.2
121	Inchcape Wind Farm - Offshore	213	215.0	Pending	49.6
122	Tullo Wind Farm	7	100.0	Approved	49.7
123	Paul Matthew Hill	1	99.5	Pending (Appeal)	49.7
124	South Kilduff	2	45.0	Pending	50.7
125	Thorntonhill	1	45.5	Pending	51.6
126	Greenknowes Wind Farm	18		Installed	51.7
127	Denside	3	92.5	Pending	51.9
128	Dundonald	1	99.5	Pending	52.2
129	Bankhead Farm	2	47.0	Approved	52.2
130	Herscha Hill Extension	2	79.0	Pending	53.0
131	Herscha Hill Cluster	3	79.6	Pending	53.2
132	Clentrie Farm (Gevens Wind Cluster)	3	99.5	Approved	53.7
133	Craig Garbil	1	79.0	Pending (Appeal)	53.9
134	Peattie	1	67.0	Pending	54.1
135	Chapleton Farm	1	49.0	Pending	54.6
136	Little Raith Wind Farm	9	126.0	Installed	54.6
137	Dendoldrum Farm	1	45.7	Approved	54.8
138	Droop Hill	2	100.0	Approved	55.5
139	Wairds of Alpity	1	79.0	Approved	55.8
140	Balmacnaughton Remony	2	46.6	Approved	55.9
141	Glenhead Farm	2	45.0	Pending	56.1
142	Cleish Hills Wind Farm	5	110.0	Pending	56.1
143	Pitkinnie Farm	2	45.0	Approved	56.4
144	Chemical Works	2	126.5	Pending	57.1
145	Chemical Works Moss-moran	2	100.0	Approved	57.2
146	Balbie Farm	1	74.0	Pending	57.3
147	Jacksbank	3	100.0	Approved	57.4
148	Kirkton Farm Extension	1	77.0	Pending	57.4
149	Lathalmond Farm	1	45.9	Pending	57.5
150	Barnhill Farm Powmill	2	47.0	Pending	57.6
151	St John's Hill Wind Farm	9	80.0	Approved	57.7
152	Goathill Quarry	1	100.0	Approved	57.7
153	Kingdom of Fife Community Wind Park	4	125.0	Pending	58.3
154	Shampher Cottage	1	40.0	Approved	58.4
155	Wester Buckleyvie	1	45.7	Approved	58.9
156	Glendevon Reservoirs	2	102.0	Approved	59.7
157	Burnfoot Hill Wind Farm	13	102.0	Installed	60.0

**Project Description**

Number of Turbine(s):	1
Turbine Model:	EWT Directwind 54
Hub Height:	50m
Blade diameter:	54m
Total height to blade tip:	77m
Turbine location:	334397 744313

**Notes**

This map shows the cumulative zone of visibility of the proposed Ingliston Farm turbine and the operational Arkhill development.

Radii: 5, 10, 15, 20 and 25km

**Legend**

This theoretical visibility map is based on a receptor viewing height of 1.8m AGL. The levels of theoretical visibility are based on the following colouring scheme:

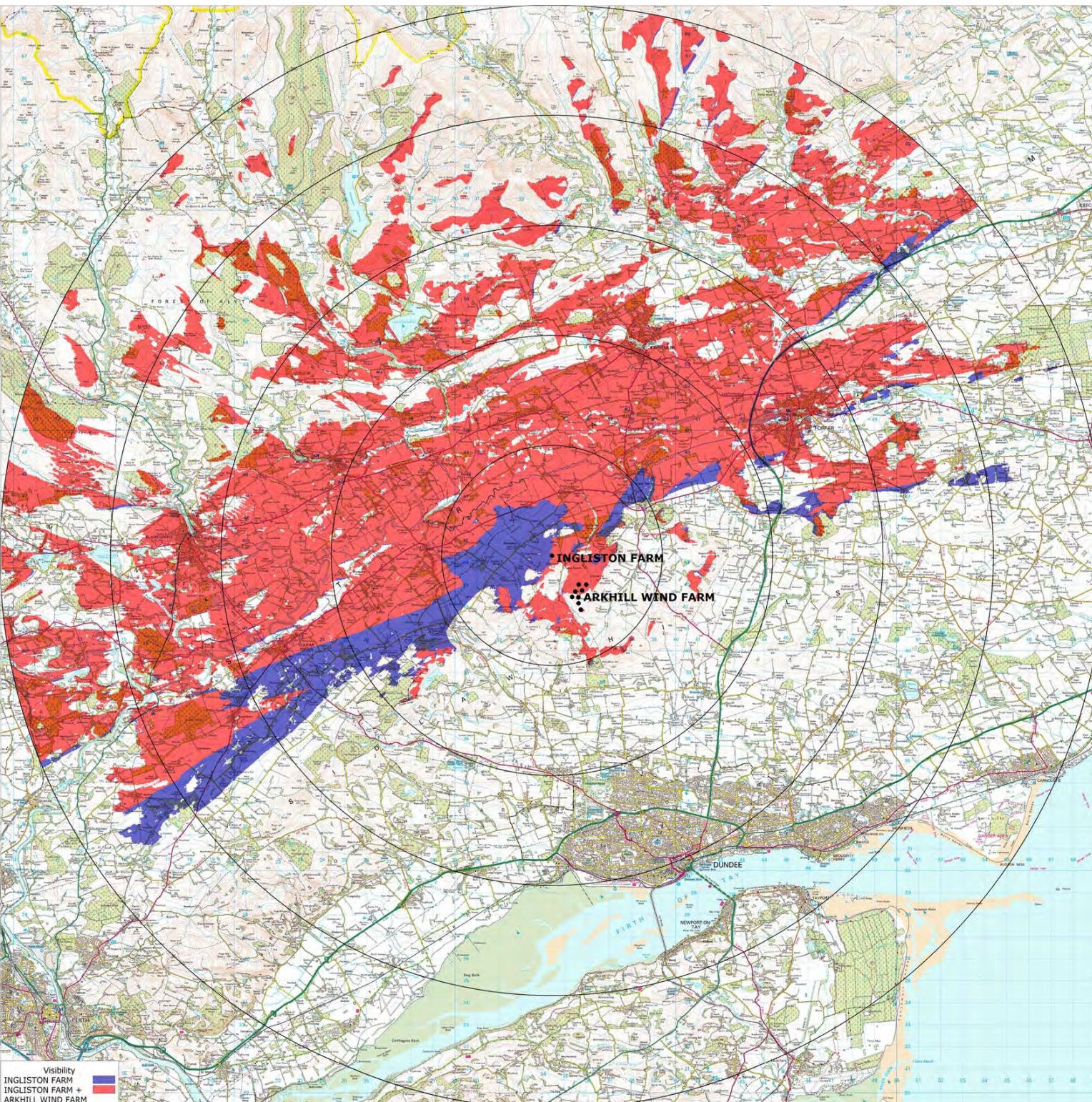
Blue: Only Ingliston Farm turbine visible

Red: At least the nacelle of the Ingliston Farm turbine and the Arkhill Wind Farm turbines will be visible

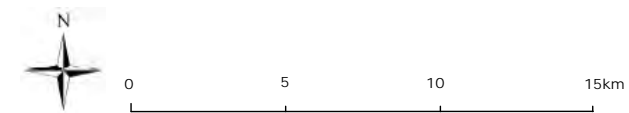
**Arkhill Wind Farm details**

No of turbines:	8
Distance from Ingliston Farm:	1.8km
Height to blade tip:	79.6m
Status:	Operational

PROJECT:	Ingliston Farm
DRAWING TITLE:	Cumulative ZTV—Arkhill Wind Farm
DRAWING NO:	ING021
DOCUMENT SIZE:	A3
SCALE:	1: 170,000
DATE:	30/08/2013
DRAWING BY:	Bojan Jevtic
APPROVED BY:	Andy Lowe



Visibility  
 INGLISTON FARM  
 INGLISTON FARM +  
 ARKHILL WIND FARM



**Project Description**

Number of Turbines:	1
Turbine Model:	EWT Directwind 54
Hub Height:	50m
Blade diameter:	54m
Total height to blade tip:	77m
Turbine location:	334397 744313

**Notes**

This map shows the cumulative zone of visibility of the proposed Ingliston Farm turbine and the approved Henderston Quarry development.

Radii: 5, 10, 15, 20 and 25km

**Legend**

This theoretical visibility map is based on a receptor viewing height of 1.8m AGL. The levels of theoretical visibility are based on the following colouring scheme:

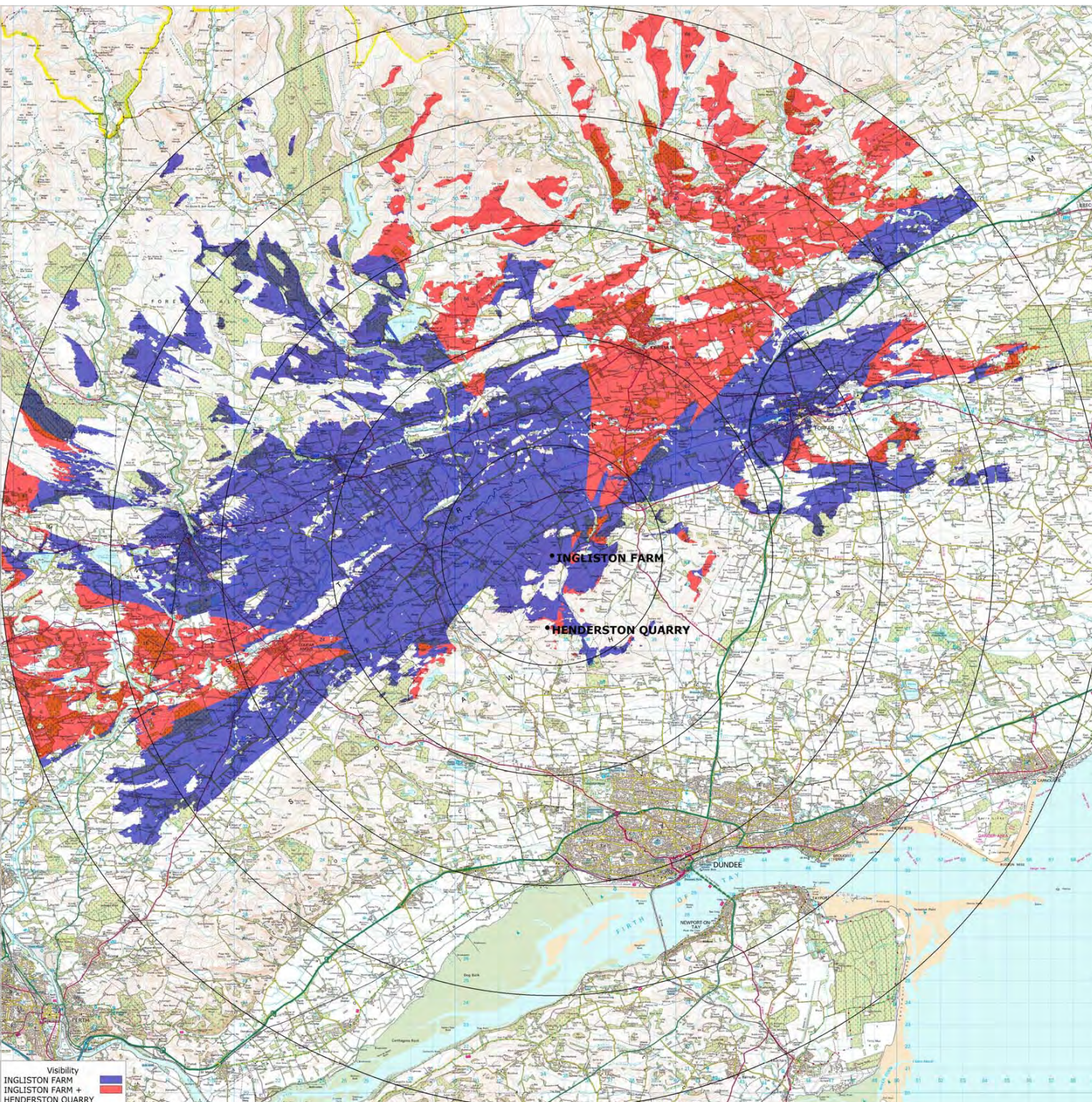
Blue: Only Ingliston Farm turbine visible

Red: At least the nacelle of the Ingliston Farm turbine and the Henderston Quarry turbine will be visible


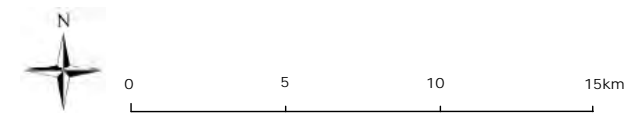
**Henderston Quarry details**

No of turbines:	1
Distance from Ingliston Farm:	3.3km
Height to blade tip:	66.0m
Status:	Approved

PROJECT:	Ingliston Farm
DRAWING TITLE:	Cumulative ZTV—Henderston Quarry
DRAWING NO:	ING022
DOCUMENT SIZE:	A3
SCALE:	1: 170,000
DATE:	30/08/2013
DRAWING BY:	Bojan Jevtic
APPROVED BY:	Andy Lowe



Visibility  
 INGLISTON FARM  
 INGLISTON FARM +  
 HENDERSTON QUARRY



**Project Description**

Number of Turbines:	1
Turbine Model:	EWT Directwind 54
Hub Height:	50m
Blade diameter:	54m
Total height to blade tip:	77m
Turbine location:	334397 744313

**Notes**

This map shows the cumulative zone of visibility of the proposed Ingliston Farm turbine and the operational Scotson development.

Radii: 5, 10, 15, 20 and 25km

**Legend**

This theoretical visibility map is based on a receptor viewing height of 1.8m AGL. The levels of theoretical visibility are based on the following colouring scheme:

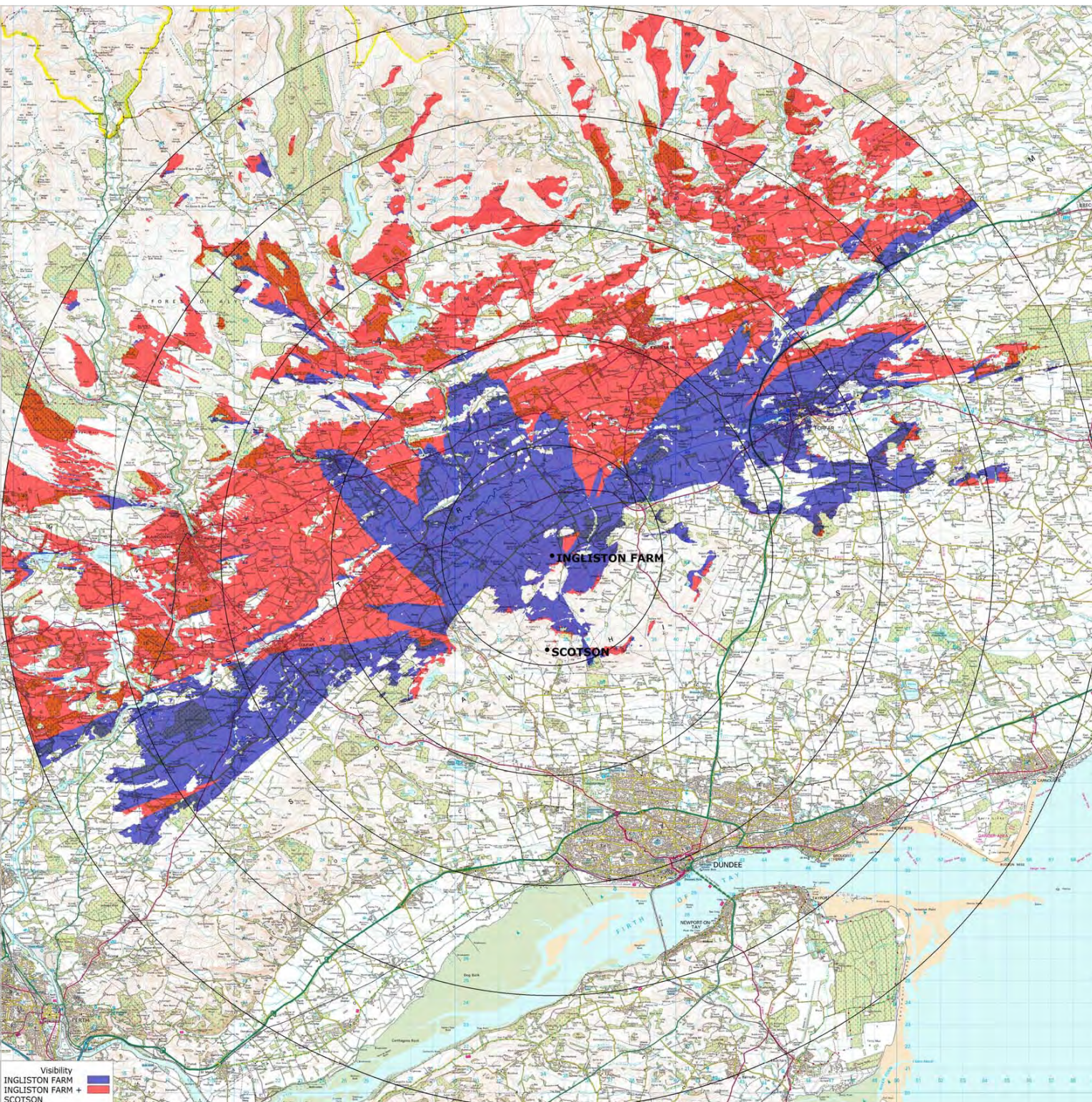
Blue: Only Ingliston Farm turbine visible

Red: At least the nacelle of the Ingliston Farm turbine and the Scotson turbine will be visible

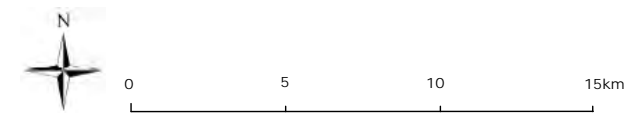
**Scotson details**

No of turbines:	1
Distance from Ingliston Farm:	4.3km
Height to blade tip:	79.6m
Status:	Operational

PROJECT:	Ingliston Farm
DRAWING TITLE:	Cumulative ZTV—Scotson
DRAWING NO:	ING023
DOCUMENT SIZE:	A3
SCALE:	1: 170,000
DATE:	30/08/2013
DRAWING BY:	Bojan Jevtic
APPROVED BY:	Andy Lowe



Visibility  
 INGLISTON FARM  
 INGLISTON FARM +  
 SCOTSON



**Project Description**

Number of Turbines:	1
Turbine Model:	EWT Directwind 54
Hub Height:	50m
Blade diameter:	54m
Total height to blade tip:	77m
Turbine location:	334397 744313

**Notes**

This map shows the cumulative zone of visibility of the proposed Ingliston Farm turbine and the proposed Davidston Farm development.

Radii: 5, 10, 15, 20 and 25km

**Legend**

This theoretical visibility map is based on a receptor viewing height of 1.8m AGL. The levels of theoretical visibility are based on the following colouring scheme:

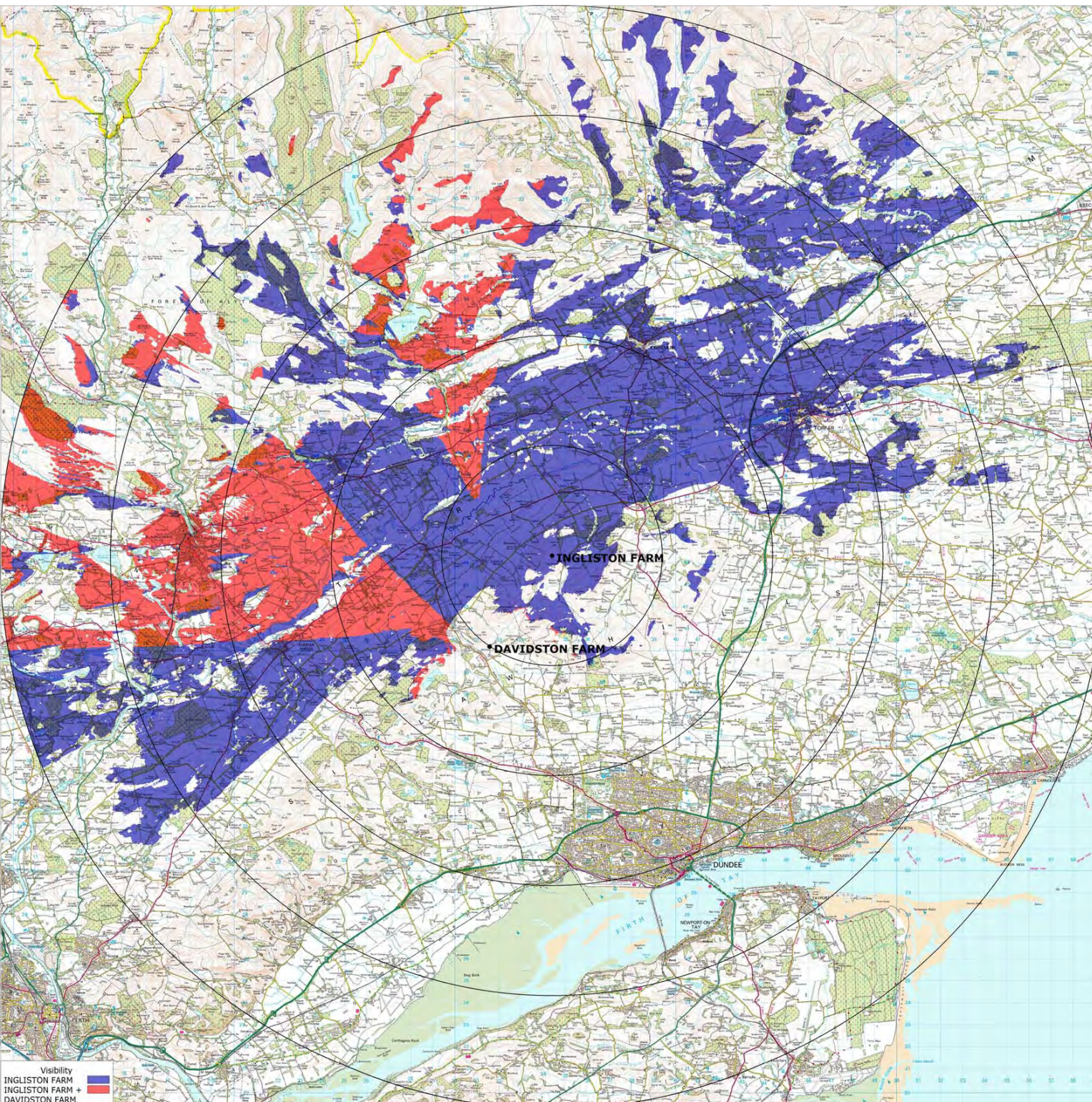
Blue: Only Ingliston Farm turbine visible

Red: At least the nacelle of the Ingliston Farm turbine and the Davidston Farm turbine will be visible

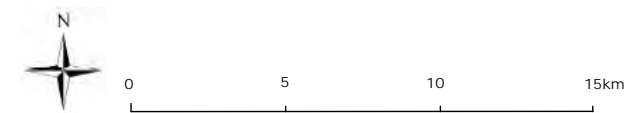
**Davidston Farm details**

No of turbines:	1
Distance from Ingliston Farm:	5.0km
Height to blade tip:	62.0m
Status:	Proposed

PROJECT:	Ingliston Farm
DRAWING TITLE:	Cumulative ZTV—Davidston Farm
DRAWING NO:	ING024
DOCUMENT SIZE:	A3
SCALE:	1: 170,000
DATE:	30/08/2013
DRAWING BY:	Bojan Jevtic
APPROVED BY:	Andy Lowe



Visibility  
 INGLISTON FARM  
 INGLISTON FARM +  
 DAVIDSTON FARM



**Project Description**

Number of Turbines:	1
Turbine Model:	EWT Directwind 54
Hub Height:	50m
Blade diameter:	54m
Total height to blade tip:	77m
Turbine location:	334397 744313

**Notes**

This map shows the cumulative zone of visibility of the proposed Ingliston Farm turbine and the proposed Govals development.

Radii: 5, 10, 15, 20 and 25km

**Legend**

This theoretical visibility map is based on a receptor viewing height of 1.8m AGL. The levels of theoretical visibility are based on the following colouring scheme:

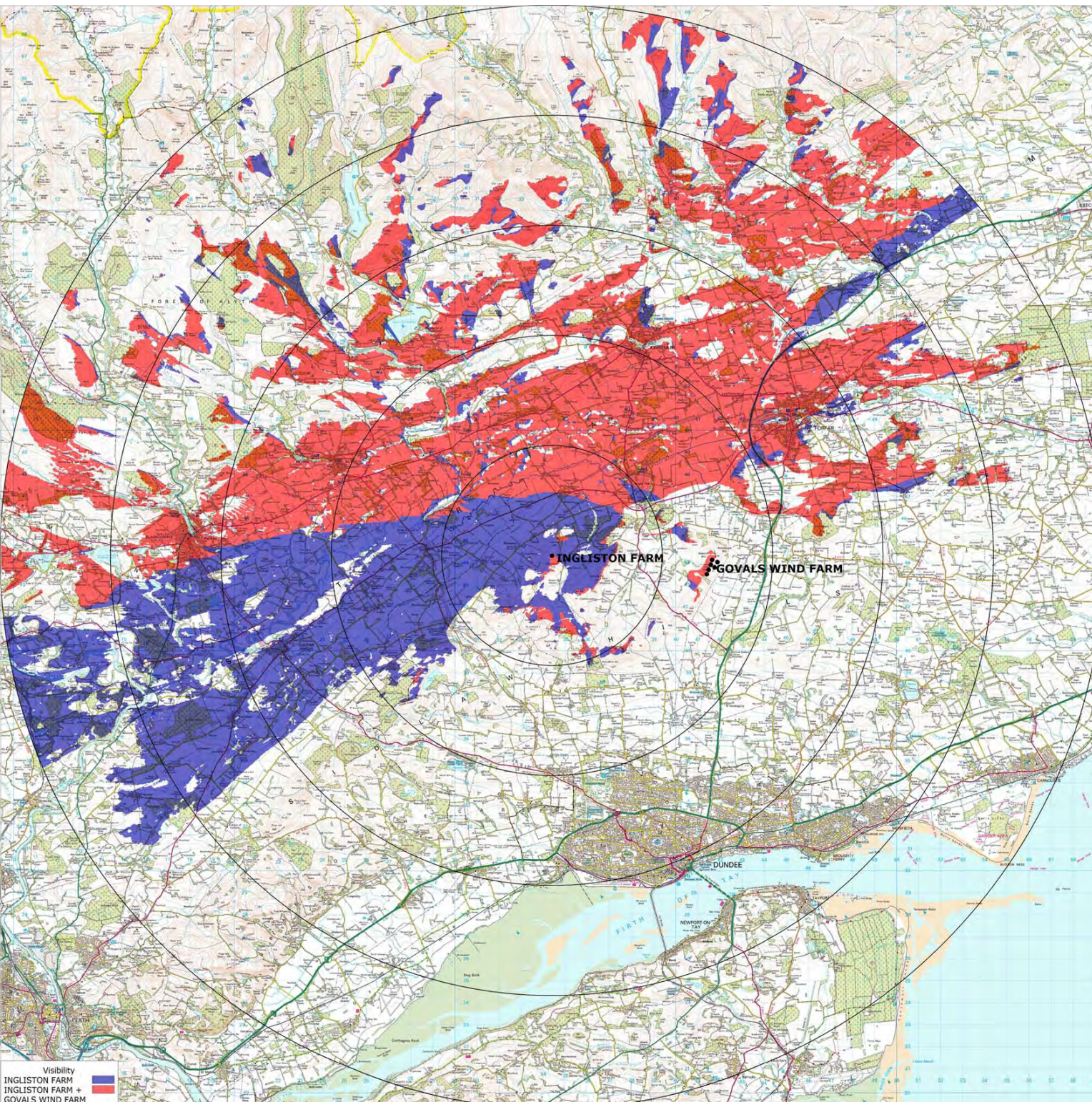
Blue: Only Ingliston Farm turbine visible

Red: At least the nacelle of the Ingliston Farm turbine and the Govals Wind Farm turbines will be visible

**Govals Wind Farm details**

No of turbines:	6
Distance from Ingliston Farm:	7.1km
Height to blade tip:	86.5m
Status:	Proposed

PROJECT:	Ingliston Farm
DRAWING TITLE:	Cumulative ZTV—Govals Wind Farm
DRAWING NO:	ING025
DOCUMENT SIZE:	A3
SCALE:	1: 170,000
DATE:	30/08/2013
DRAWING BY:	Bojan Jevtic
APPROVED BY:	Andy Lowe



Visibility  
 INGLISTON FARM  
 INGLISTON FARM +  
 GOVALS WIND FARM



**Project Description**

Number of Turbines:	1
Turbine Model:	EWT Directwind 54
Hub Height:	50m
Blade diameter:	54m
Total height to blade tip:	77m
Turbine location:	334397 744313

**Notes**

This map shows the cumulative zone of visibility of the proposed Ingliston Farm turbine and the proposed Frawney development.

Radii: 5, 10, 15, 20 and 25km

**Legend**

This theoretical visibility map is based on a receptor viewing height of 1.8m AGL. The levels of theoretical visibility are based on the following colouring scheme:

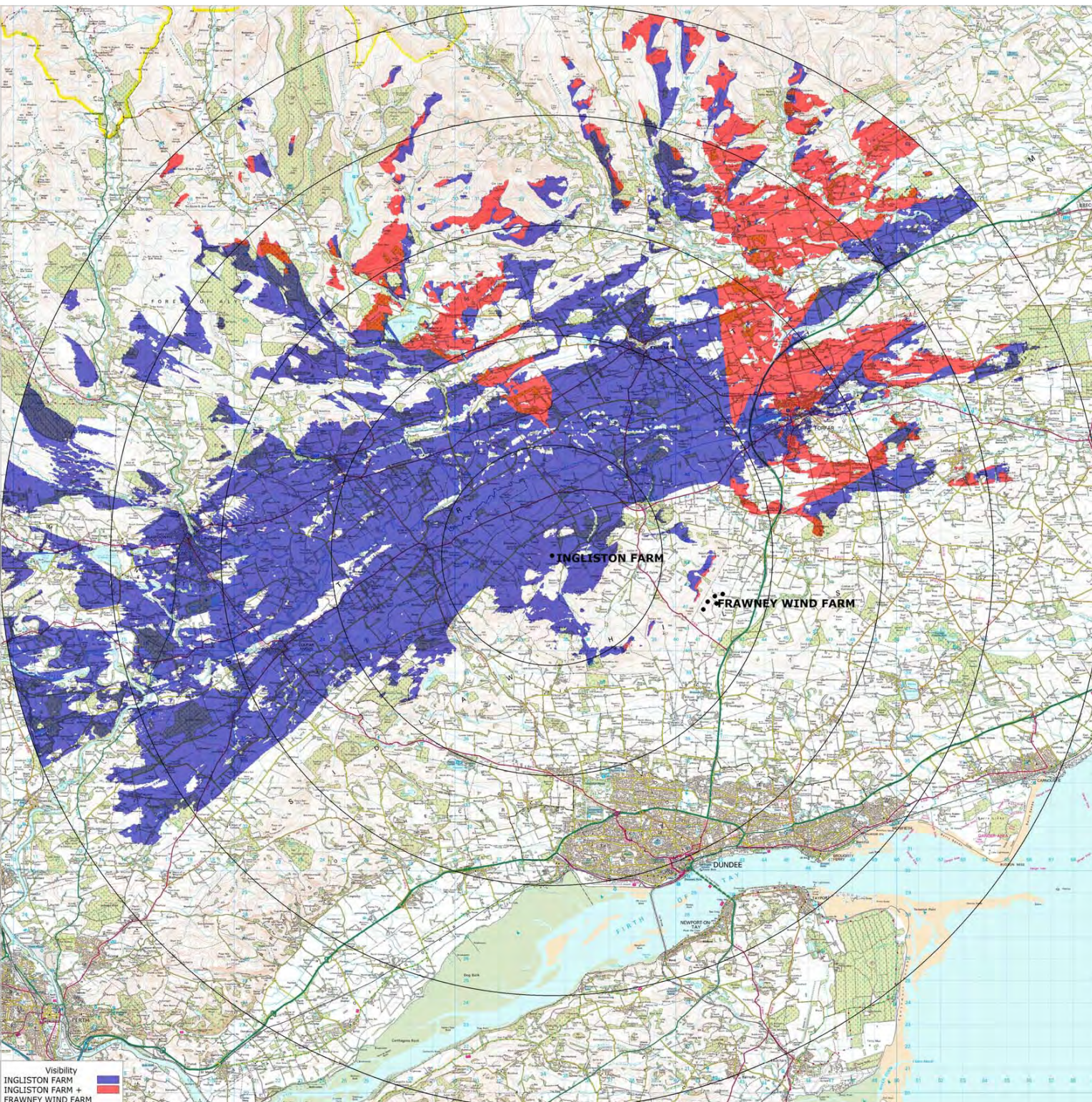
Blue: Only Ingliston Farm turbine visible

Red: At least the nacelle of the Ingliston Farm turbine and the Frawney Wind Farm turbines will be visible

**Frawney Wind Farm details**

No of turbines:	5
Distance from Ingliston Farm:	7.3km
Height to blade tip:	80.0m
Status:	Proposed

PROJECT:	Ingliston Farm
DRAWING TITLE:	Cumulative ZTV—Frawney Wind Farm
DRAWING NO:	ING026
DOCUMENT SIZE:	A3
SCALE:	1: 170,000
DATE:	30/08/2013
DRAWING BY:	Bojan Jevtic
APPROVED BY:	Andy Lowe



Visibility  
 INGLISTON FARM  
 INGLISTON FARM +  
 FRAWNEY WIND FARM



**Project Description**

Number of Turbines:	1
Turbine Model:	EWT Directwind 54
Hub Height:	50m
Blade diameter:	54m
Total height to blade tip:	77m
Turbine location:	334397 744313

**Notes**

This map shows the cumulative zone of visibility of the proposed Ingliston Farm turbine and the approved North Leoch development.

Radii: 5, 10, 15, 20 and 25km

**Legend**

This theoretical visibility map is based on a receptor viewing height of 1.8m AGL. The levels of theoretical visibility are based on the following colouring scheme:

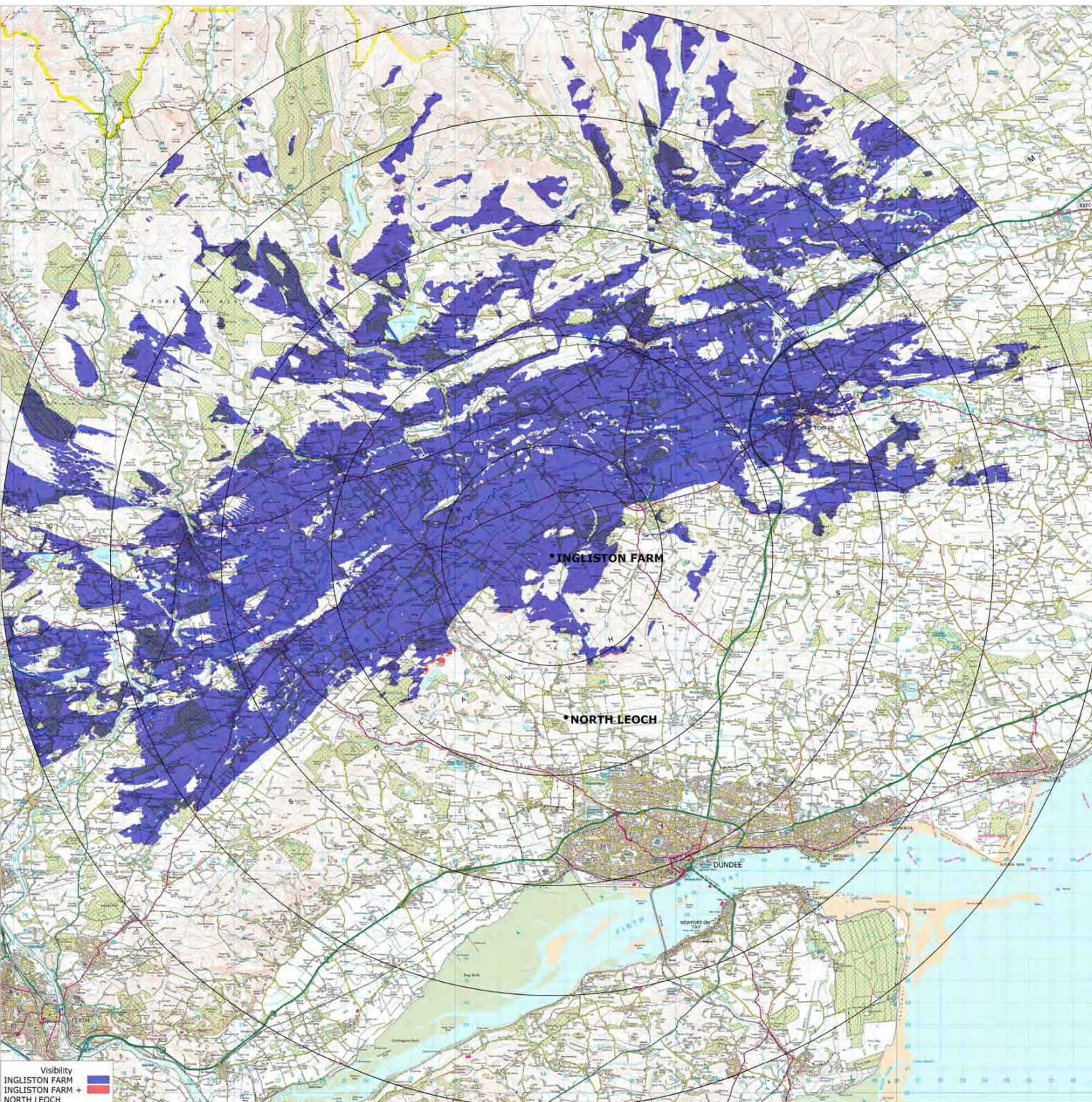
Blue: Only Ingliston Farm turbine visible

Red: At least the nacelle of the Ingliston Farm turbine and the North Leoch turbine will be visible

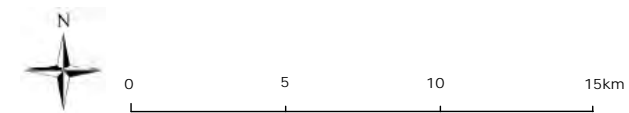
**North Leoch details**

No of turbines:	1
Distance from Ingliston Farm:	7.4km
Height to blade tip:	45.6m
Status:	Approved

PROJECT:	Ingliston Farm
DRAWING TITLE:	Cumulative ZTV—North Leoch
DRAWING NO:	ING027
DOCUMENT SIZE:	A3
SCALE:	1: 170,000
DATE:	30/08/2013
DRAWING BY:	Bojan Jevtic
APPROVED BY:	Andy Lowe



Visibility  
 INGLSTON FARM  
 INGLSTON FARM +  
 NORTH LEACH



**Project Description**

Number of Turbines:	1
Turbine Model:	EWT Directwind 54
Hub Height:	50m
Blade diameter:	54m
Total height to blade tip:	77m
Turbine location:	334397 744313

**Notes**

This map shows the cumulative zone of visibility of the proposed Ingliston Farm turbine and the approved West Mains Farmhouse development.

Radii: 5, 10, 15, 20 and 25km

**Legend**

This theoretical visibility map is based on a receptor viewing height of 1.8m AGL. The levels of theoretical visibility are based on the following colouring scheme:

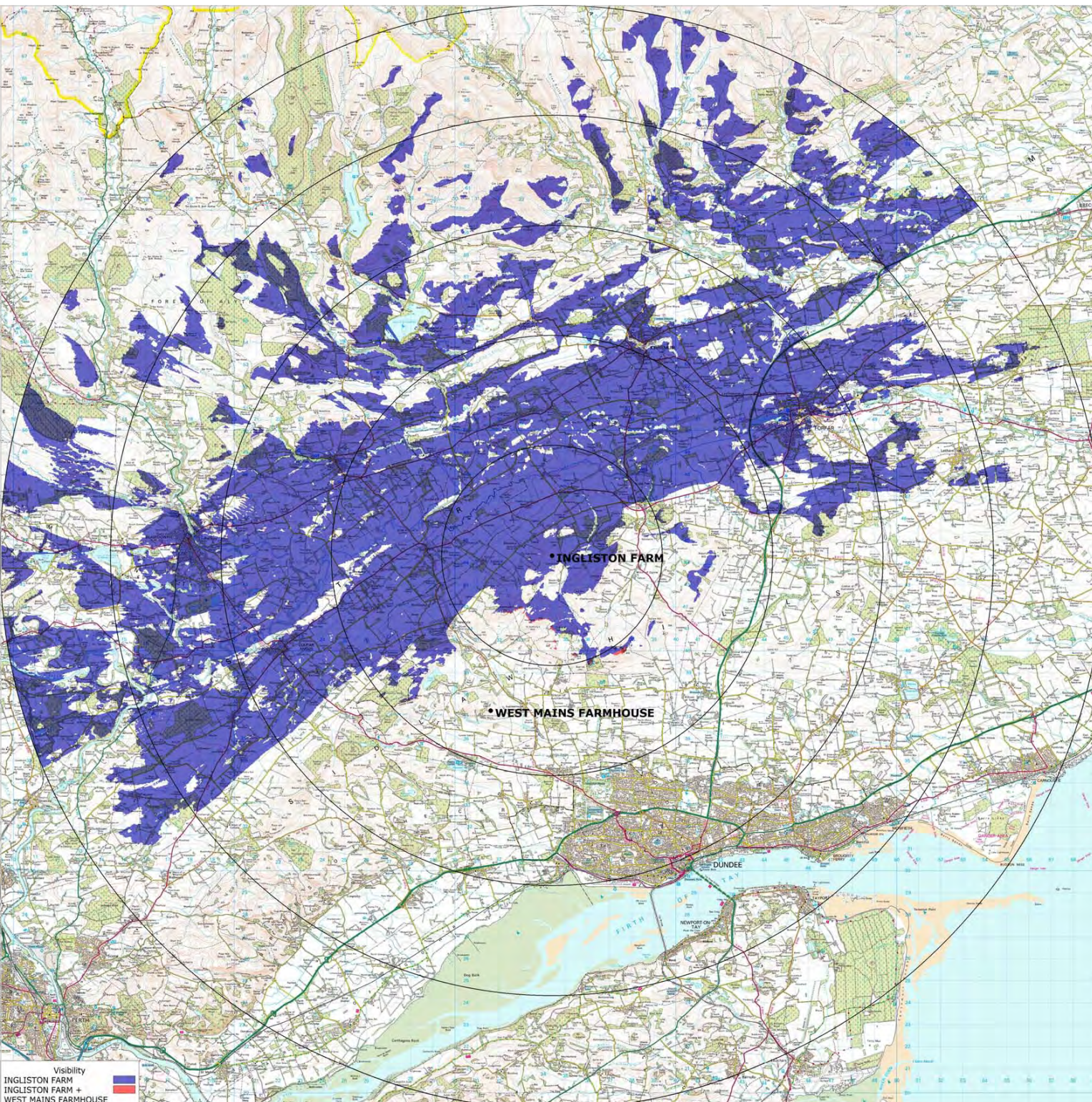
Blue: Only Ingliston Farm turbine visible

Red: At least the nacelle of the Ingliston Farm turbine and the West Mains Farmhouse turbine will be visible

**West Mains Farmhouse details**

No of turbines:	1
Distance from Ingliston Farm:	7.6km
Height to blade tip:	61.0m
Status:	Approved

<b>PROJECT:</b>	Ingliston Farm
<b>DRAWING TITLE:</b>	Cumulative ZTV—West Mains Farmhouse
<b>DRAWING NO:</b>	ING028
<b>DOCUMENT SIZE:</b>	A3
<b>SCALE:</b>	1: 170,000
<b>DATE:</b>	30/08/2013
<b>DRAWING BY:</b>	Bojan Jevtic
<b>APPROVED BY:</b>	Andy Lowe



Visibility  
 INGLISTON FARM  
 INGLISTON FARM +  
 WEST MAINS FARMHOUSE

**Project Description**

Number of Turbines:	1
Turbine Model:	EWT Directwind 54
Hub Height:	50m
Blade diameter:	54m
Total height to blade tip:	77m
Turbine location:	334397 744313

**Notes**

This map shows the cumulative zone of visibility of the proposed Ingliston Farm turbine and the approved Balkemback Farm development.

Radii: 5, 10, 15, 20 and 25km

**Legend**

This theoretical visibility map is based on a receptor viewing height of 1.8m AGL. The levels of theoretical visibility are based on the following colouring scheme:

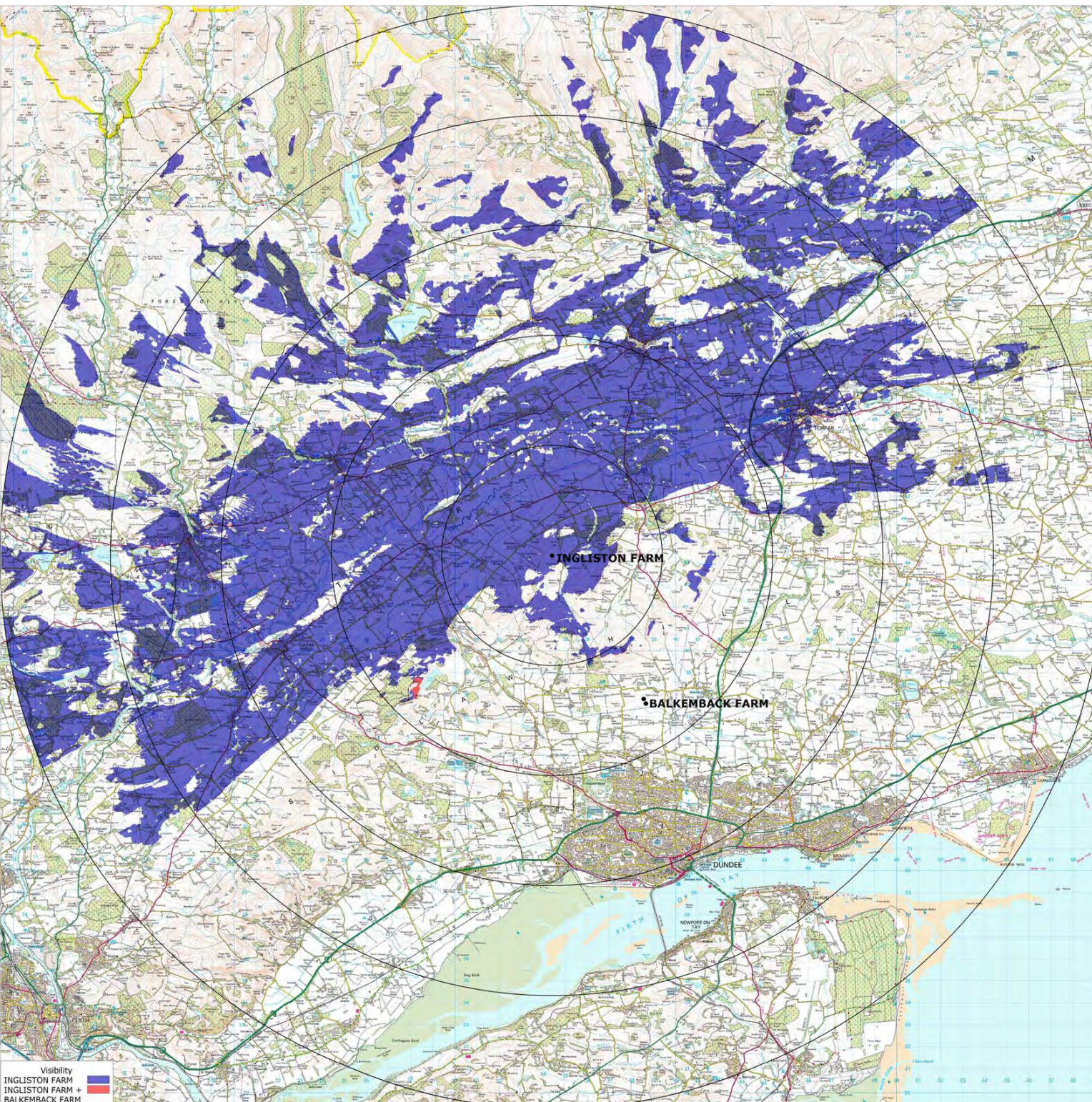
Blue: Only Ingliston Farm turbine visible

Red: At least the nacelle of the Ingliston Farm turbine and the Balkemback Farm turbines will be visible

**Balkemback Farm details**

No of turbines:	2
Distance from Ingliston Farm:	7.7km
Height to blade tip:	46.5m
Status:	Approved

<b>PROJECT:</b>	Ingliston Farm
<b>DRAWING TITLE:</b>	Cumulative ZTV—Balkemback Farm
<b>DRAWING NO:</b>	ING029
<b>DOCUMENT SIZE:</b>	A3
<b>SCALE:</b>	1: 170,000
<b>DATE:</b>	30/08/2013
<b>DRAWING BY:</b>	Bojan Jevtic
<b>APPROVED BY:</b>	Andy Lowe



Visibility  
 INGLSTON FARM  
 INGLSTON FARM +  
 BALKEMBACK FARM



**Project Description**

Number of Turbines:	1
Turbine Model:	EWT Directwind 54
Hub Height:	50m
Blade diameter:	54m
Total height to blade tip:	77m
Turbine location:	334397 744313

**Notes**

This map shows the cumulative zone of visibility of the proposed Ingliston Farm turbine and the approved Reedie Farm development.

Radii: 5, 10, 15, 20 and 25km

**Legend**

This theoretical visibility map is based on a receptor viewing height of 1.8m AGL. The levels of theoretical visibility are based on the following colouring scheme:

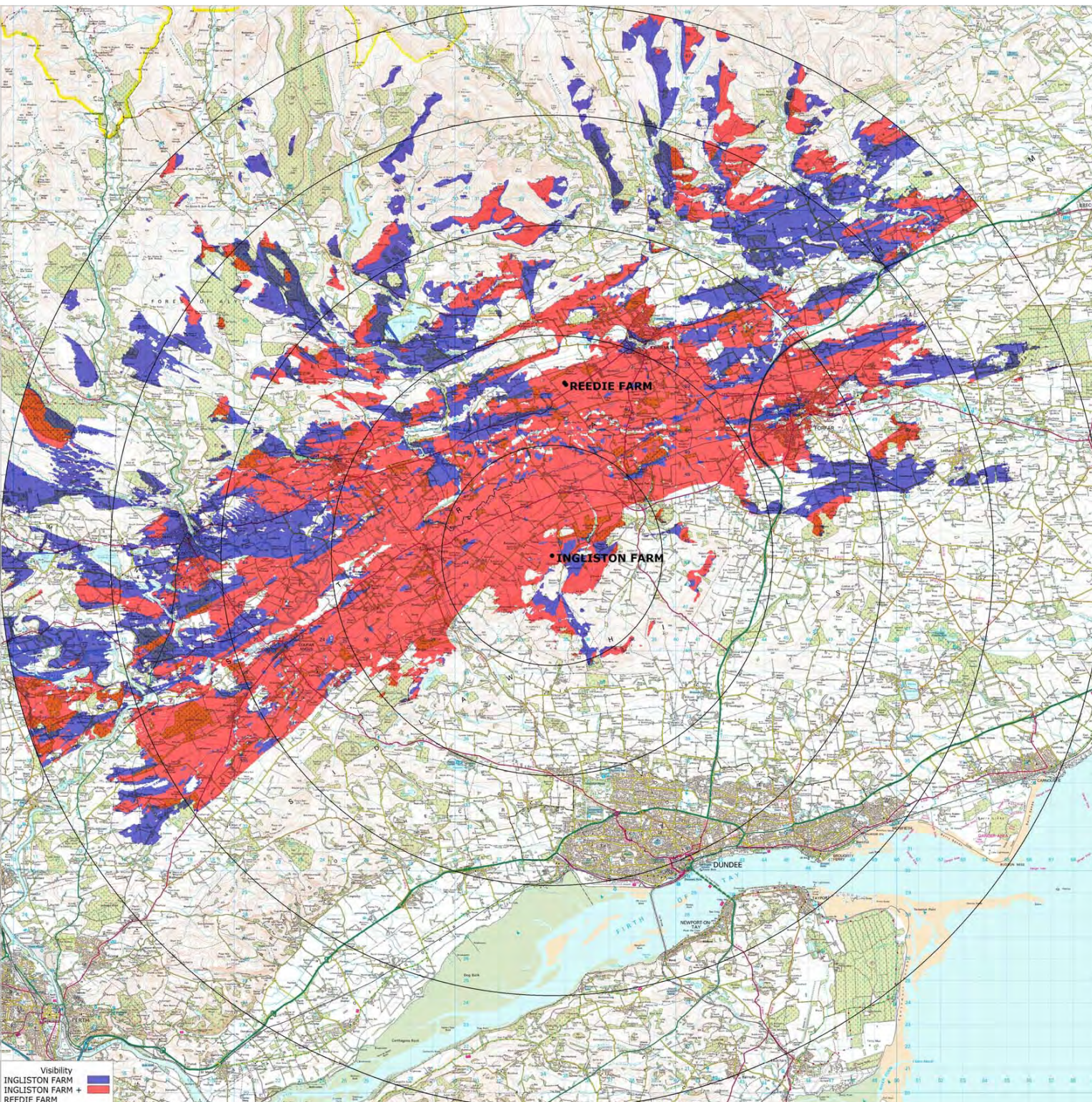
Blue: Only Ingliston Farm turbine visible

Red: At least the nacelle of the Ingliston Farm turbine and the Reedie Farm turbines will be visible

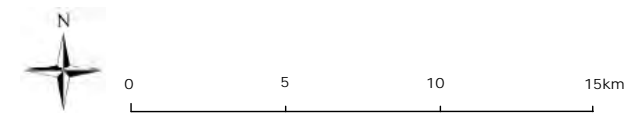
**Reedie Farm details**

No of turbines:	2
Distance from Ingliston Farm:	7.8km
Height to blade tip:	46.9m
Status:	Approved

PROJECT:	Ingliston Farm
DRAWING TITLE:	Cumulative ZTV—Reedie Farm
DRAWING NO:	ING030
DOCUMENT SIZE:	A3
SCALE:	1: 170,000
DATE:	30/08/2013
DRAWING BY:	Bojan Jevtic
APPROVED BY:	Andy Lowe



Visibility  
 INGLISTON FARM  
 INGLISTON FARM +  
 REEDIE FARM





**Project Description**

Number of Turbines:	1
Turbine Model:	EWT Directwind 54
Hub Height:	50m
Blade diameter:	54m
Total height to blade tip:	77m
Turbine location:	334397 744313

**Notes**

This map shows the cumulative zone of visibility of the proposed Ingliston Farm turbine and the approved House On The Hill Kettins development.

Radii: 5, 10, 15, 20 and 25km

**Legend**

This theoretical visibility map is based on a receptor viewing height of 1.8m AGL. The levels of theoretical visibility are based on the following colouring scheme:

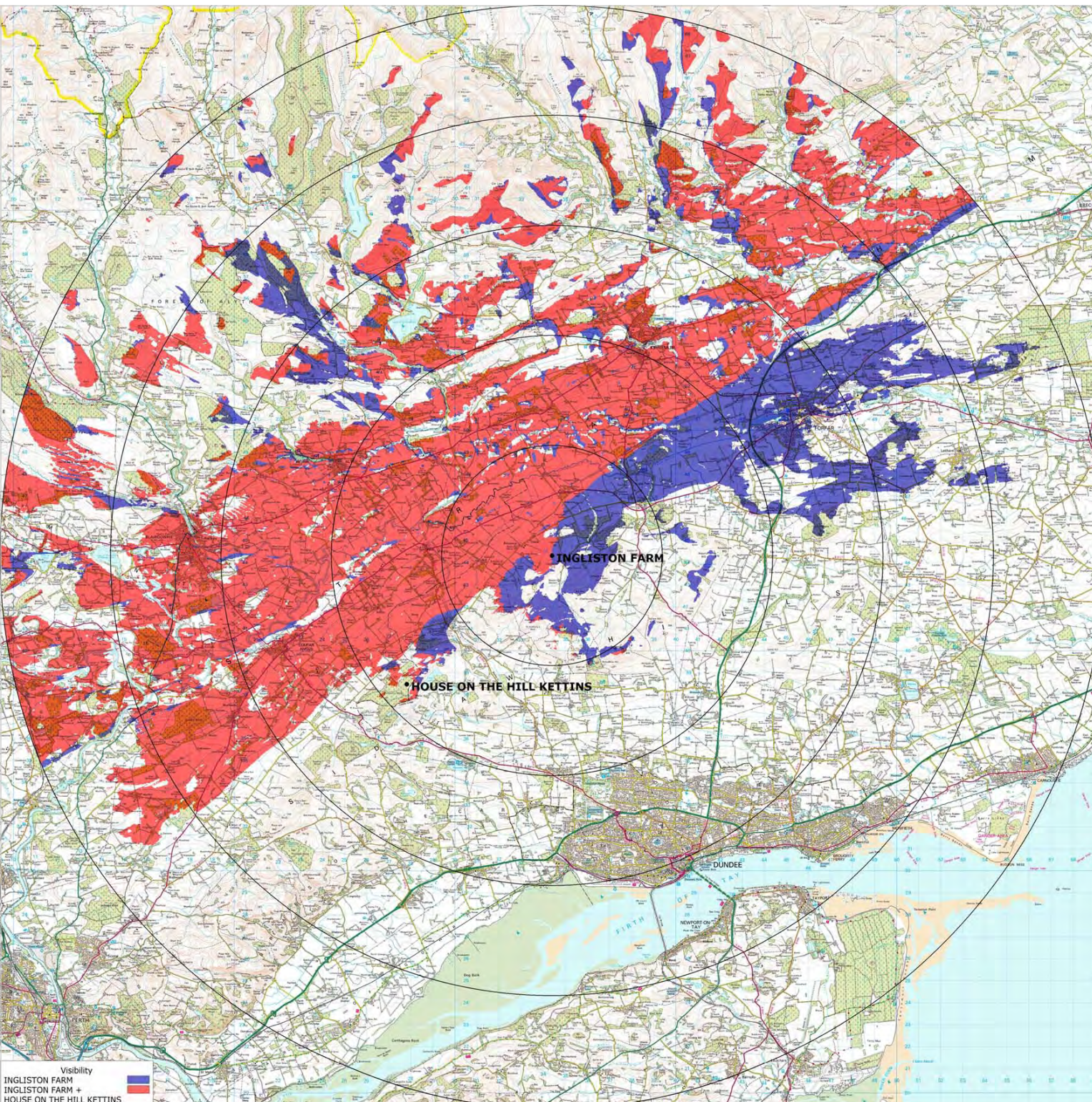
Blue: Only Ingliston Farm turbine visible

Red: At least the nacelle of the Ingliston Farm turbine and the House On The Hill Kettins turbine will be visible

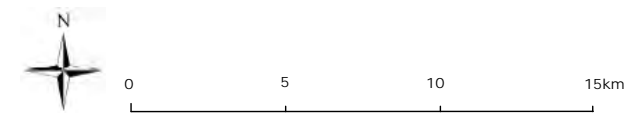
**House On The Hill Kettins details**

No of turbines:	1
Distance from Ingliston Farm:	8.8km
Height to blade tip:	45.4m
Status:	Approved

PROJECT:	Ingliston Farm
DRAWING TITLE:	Cumulative ZTV—House On The Hill Kettins
DRAWING NO:	ING031
DOCUMENT SIZE:	A3
SCALE:	1:170,000
DATE:	30/08/2013
DRAWING BY:	Bojan Jevtic
APPROVED BY:	Andy Lowe



Visibility  
 INGLISTON FARM  
 INGLISTON FARM +  
 HOUSE ON THE HILL KETTINS



**Project Description**

Number of Turbines:	1
Turbine Model:	EWT Directwind 54
Hub Height:	50m
Blade diameter:	54m
Total height to blade tip:	77m
Turbine location:	334397 744313

**Notes**

This map shows the cumulative zone of visibility of the proposed Ingliston Farm turbine and the operational West Adamston Farm development.

Radii: 5, 10, 15, 20 and 25km

**Legend**

This theoretical visibility map is based on a receptor viewing height of 1.8m AGL. The levels of theoretical visibility are based on the following colouring scheme:

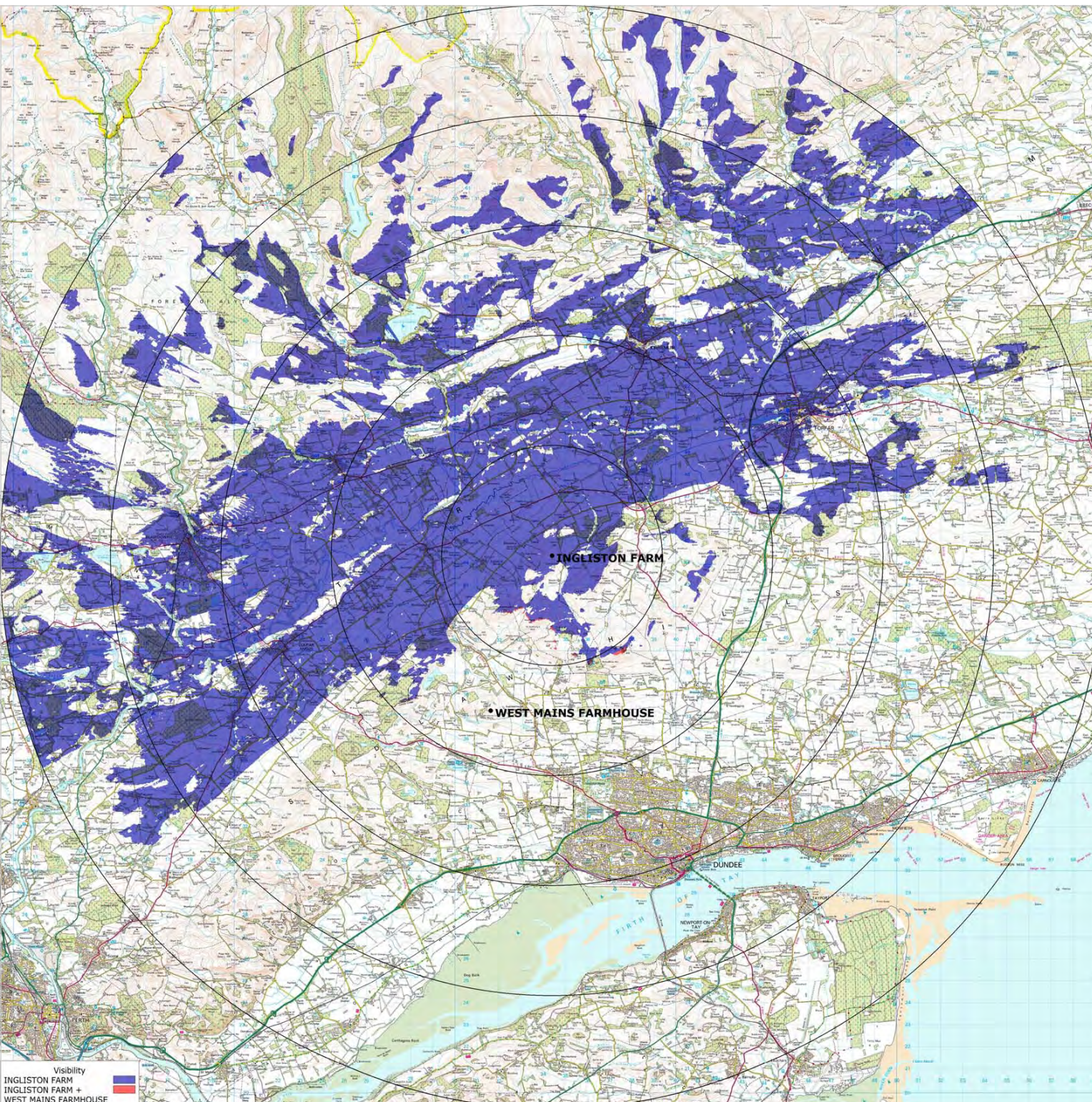
Blue: Only Ingliston Farm turbine visible

Red: At least the nacelle of the Ingliston Farm turbine and the West Adamston Farm turbine will be visible

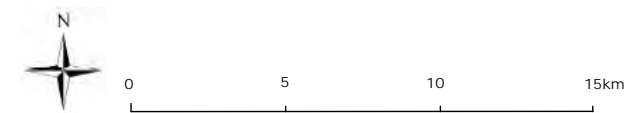
**West Adamston Farm details**

No of turbines:	1
Distance from Ingliston Farm:	8.9km
Height to blade tip:	47.5m
Status:	Operational

PROJECT:	Ingliston Farm
DRAWING TITLE:	Cumulative ZTV—West Adamston Farm
DRAWING NO:	ING032
DOCUMENT SIZE:	A3
SCALE:	1:170,000
DATE:	30/08/2013
DRAWING BY:	Bojan Jevtic
APPROVED BY:	Andy Lowe



Visibility  
 INGLISTON FARM  
 INGLISTON FARM +  
 WEST MAINS FARMHOUSE



**Project Description**

Number of Turbines:	1
Turbine Model:	EWT Directwind 54
Hub Height:	50m
Blade diameter:	54m
Total height to blade tip:	77m
Turbine location:	334397 744313

**Notes**

This map shows the cumulative zone of visibility of the proposed Ingliston Farm turbine and the proposed Lundie Castle Farm development.

Radii: 5, 10, 15, 20 and 25km

**Legend**

This theoretical visibility map is based on a receptor viewing height of 1.8m AGL. The levels of theoretical visibility are based on the following colouring scheme:

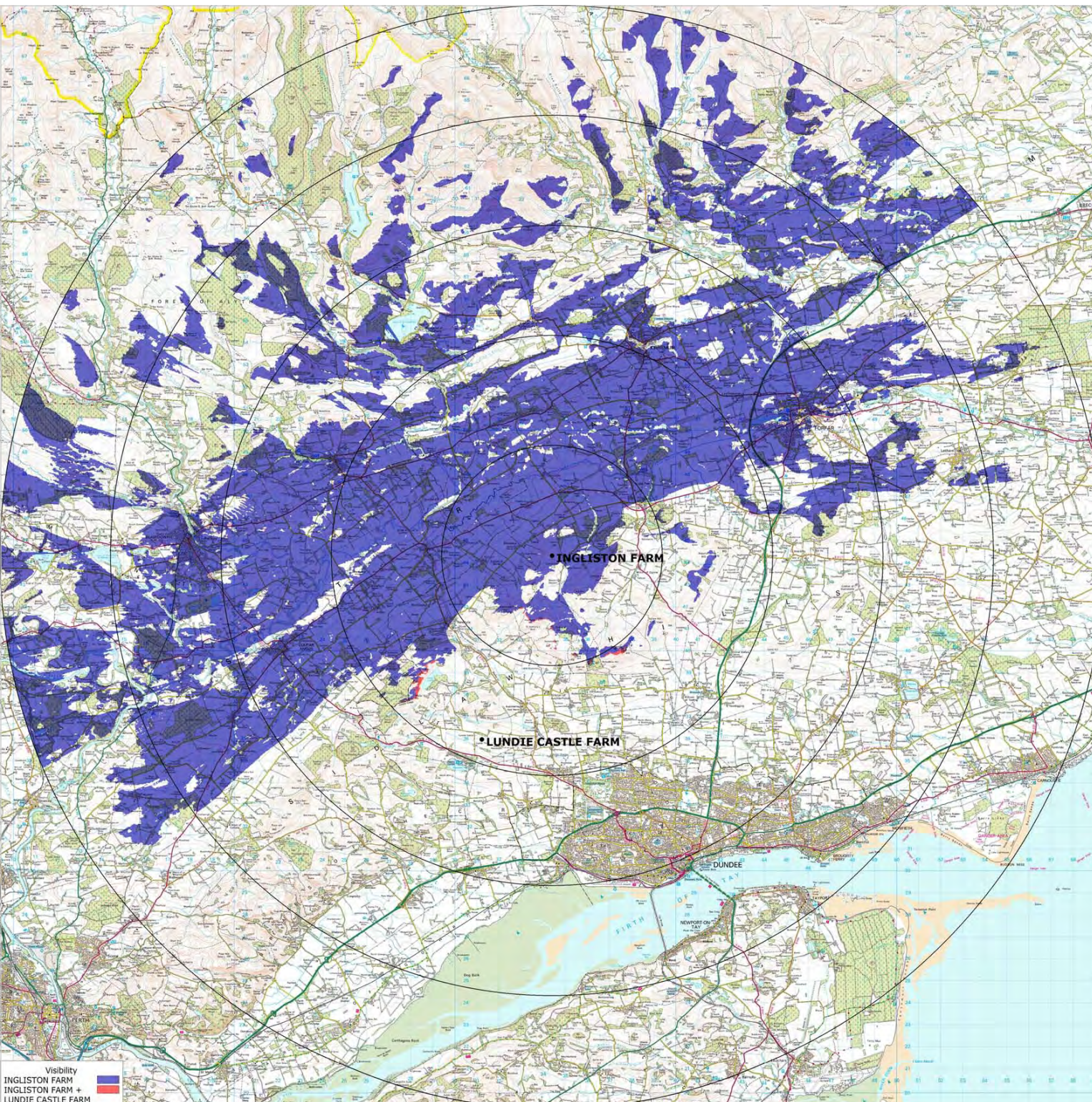
Blue: Only Ingliston Farm turbine visible

Red: At least the nacelle of the Ingliston Farm turbine and the Lundie Castle Farm turbine will be visible

**Lundie Castle Farm details**

No of turbines:	1
Distance from Ingliston Farm:	8.9km
Height to blade tip:	48.5m
Status:	Proposed

<b>PROJECT:</b>	Ingliston Farm
<b>DRAWING TITLE:</b>	Cumulative ZTV—Lundie Castle Farm
<b>DRAWING NO:</b>	ING033
<b>DOCUMENT SIZE:</b>	A3
<b>SCALE:</b>	1: 170,000
<b>DATE:</b>	30/08/2013
<b>DRAWING BY:</b>	Bojan Jevtic
<b>APPROVED BY:</b>	Andy Lowe



Visibility  
 INGLISTON FARM  
 INGLISTON FARM +  
 LUNDIE CASTLE FARM



**Project Description**

Number of Turbines:	1
Turbine Model:	EWT Directwind 54
Hub Height:	50m
Blade diameter:	54m
Total height to blade tip:	77m
Turbine location:	334397 744313

**Notes**

This map shows the cumulative zone of visibility of the proposed Ingliston Farm turbine and the approved North Tarbax development.

Radii: 5, 10, 15, 20 and 25km

**Legend**

This theoretical visibility map is based on a receptor viewing height of 1.8m AGL. The levels of theoretical visibility are based on the following colouring scheme:

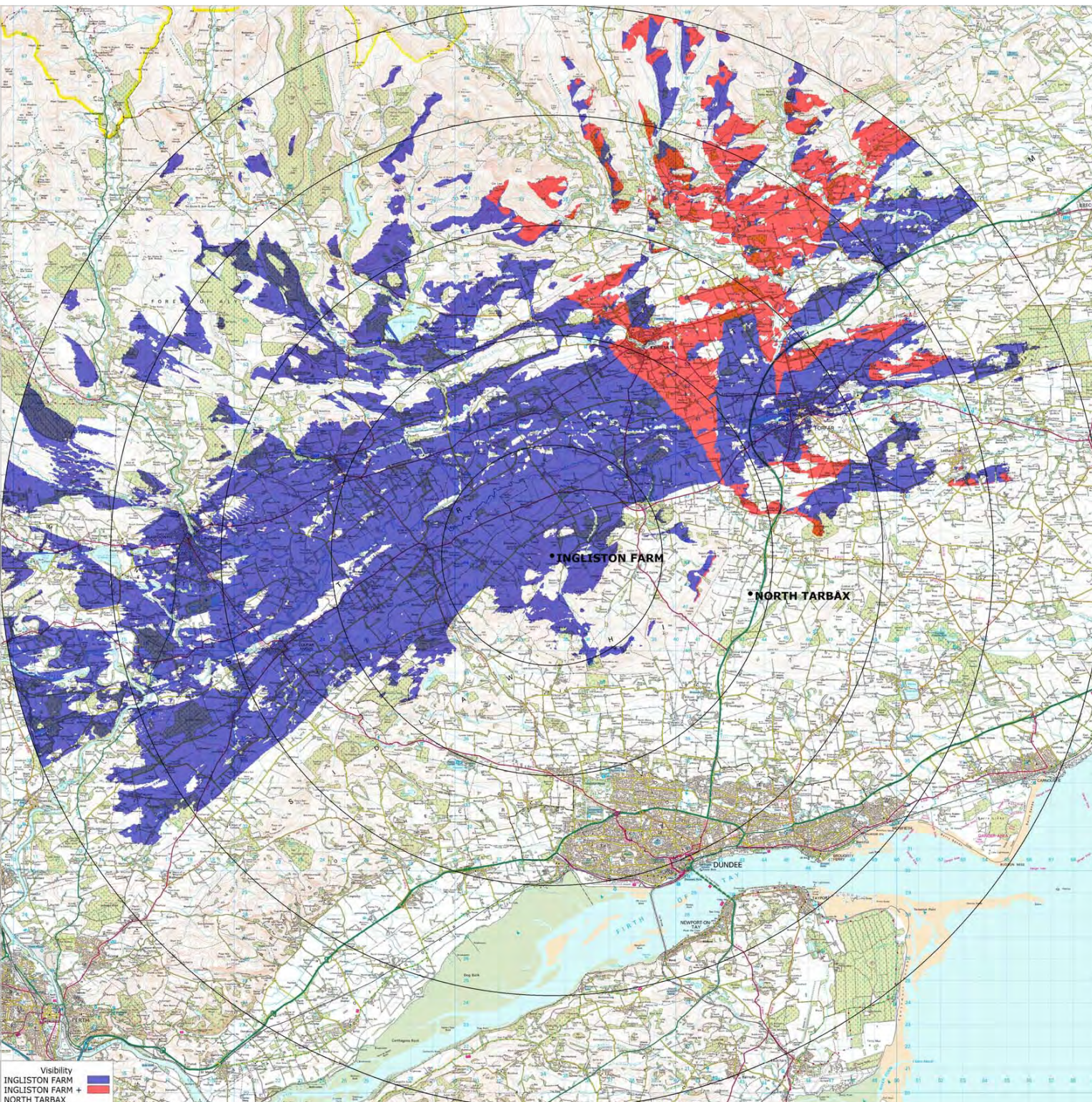
Blue: Only Ingliston Farm turbine visible

Red: At least the nacelle of the Ingliston Farm turbine and the North Tarbax turbine will be visible

**North Tarbax details**

No of turbines:	1
Distance from Ingliston Farm:	9.1km
Height to blade tip:	45.9m
Status:	Approved

PROJECT:	Ingliston Farm
DRAWING TITLE:	Cumulative ZTV—North Tarbax
DRAWING NO:	ING034
DOCUMENT SIZE:	A3
SCALE:	1: 170,000
DATE:	30/08/2013
DRAWING BY:	Bojan Jevtic
APPROVED BY:	Andy Lowe



Visibility  
 INGLISTON FARM  
 INGLISTON FARM +  
 NORTH TARBAX



**Project Description**

Number of Turbines:	1
Turbine Model:	EWT Directwind 54
Hub Height:	50m
Blade diameter:	54m
Total height to blade tip:	77m
Turbine location:	334397 744313

**Notes**

This map shows the cumulative zone of visibility of the proposed Ingliston Farm turbine and the approved House On The Hill development.

Radii: 5, 10, 15, 20 and 25km

**Legend**

This theoretical visibility map is based on a receptor viewing height of 1.8m AGL. The levels of theoretical visibility are based on the following colouring scheme:

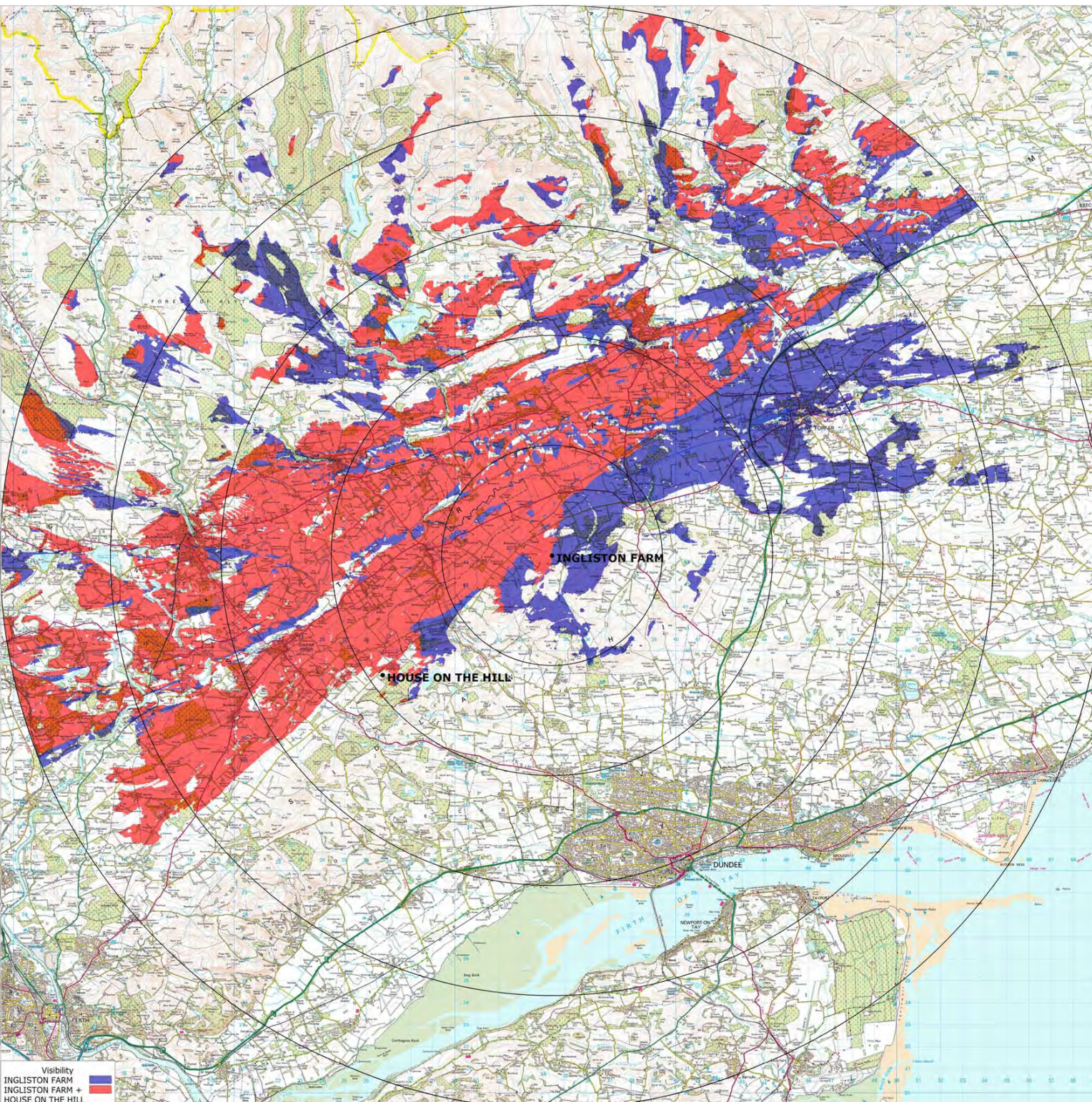
Blue: Only Ingliston Farm turbine visible

Red: At least the nacelle of the Ingliston Farm turbine and the House On The Hill turbine will be visible

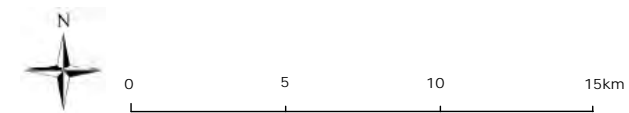
**House On The Hill details**

No of turbines:	1
Distance from Ingliston Farm:	9.4km
Height to blade tip:	46.5m
Status:	Approved

PROJECT:	Ingliston Farm
DRAWING TITLE:	Cumulative ZTV—House On The Hill
DRAWING NO:	ING035
DOCUMENT SIZE:	A3
SCALE:	1: 170,000
DATE:	30/08/2013
DRAWING BY:	Bojan Jevtic
APPROVED BY:	Andy Lowe



Visibility  
 INGLISTON FARM  
 INGLISTON FARM +  
 HOUSE ON THE HILL



**Project Description**

Number of Turbines:	1
Turbine Model:	EWT Directwind 54
Hub Height:	50m
Blade diameter:	54m
Total height to blade tip:	77m
Turbine location:	334397 744313

**Notes**

This map shows the cumulative zone of visibility of the proposed Ingliston Farm turbine and the approved Tealing development.

Radii: 5, 10, 15, 20 and 25km

**Legend**

This theoretical visibility map is based on a receptor viewing height of 1.8m AGL. The levels of theoretical visibility are based on the following colouring scheme:

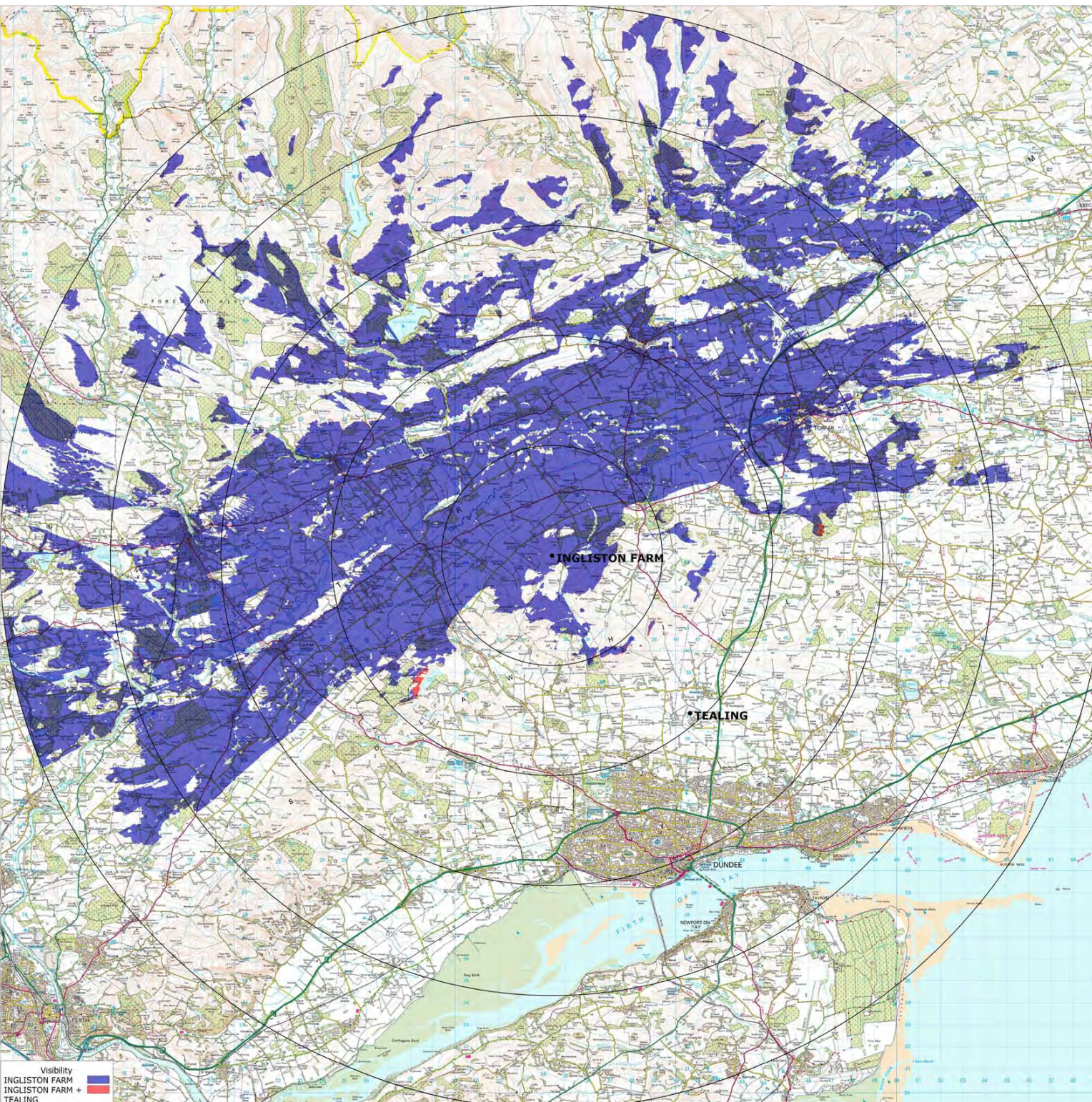
Blue: Only Ingliston Farm turbine visible

Red: At least the nacelle of the Ingliston Farm turbine and the Tealing turbine will be visible

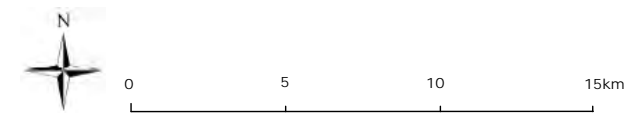
**Tealing details**

No of turbines:	1
Distance from Ingliston Farm:	9.5km
Height to blade tip:	86.5m
Status:	Approved

PROJECT:	Ingliston Farm
DRAWING TITLE:	Cumulative ZTV—Tealing
DRAWING NO:	ING036
DOCUMENT SIZE:	A3
SCALE:	1: 170,000
DATE:	30/08/2013
DRAWING BY:	Bojan Jevtic
APPROVED BY:	Andy Lowe



Visibility  
 INGLISTON FARM  
 INGLISTON FARM +  
 TEALING



**Project Description**

Number of Turbines:	1
Turbine Model:	EWT Directwind 54
Hub Height:	50m
Blade diameter:	54m
Total height to blade tip:	77m
Turbine location:	334397 744313

**Notes**

This map shows the cumulative zone of visibility of the proposed Ingliston Farm turbine and the proposed Former Tealing Airfield development.

**Legend**

This theoretical visibility map is based on a receptor viewing height of 1.8m AGL. The levels of theoretical visibility are based on the following colouring scheme:

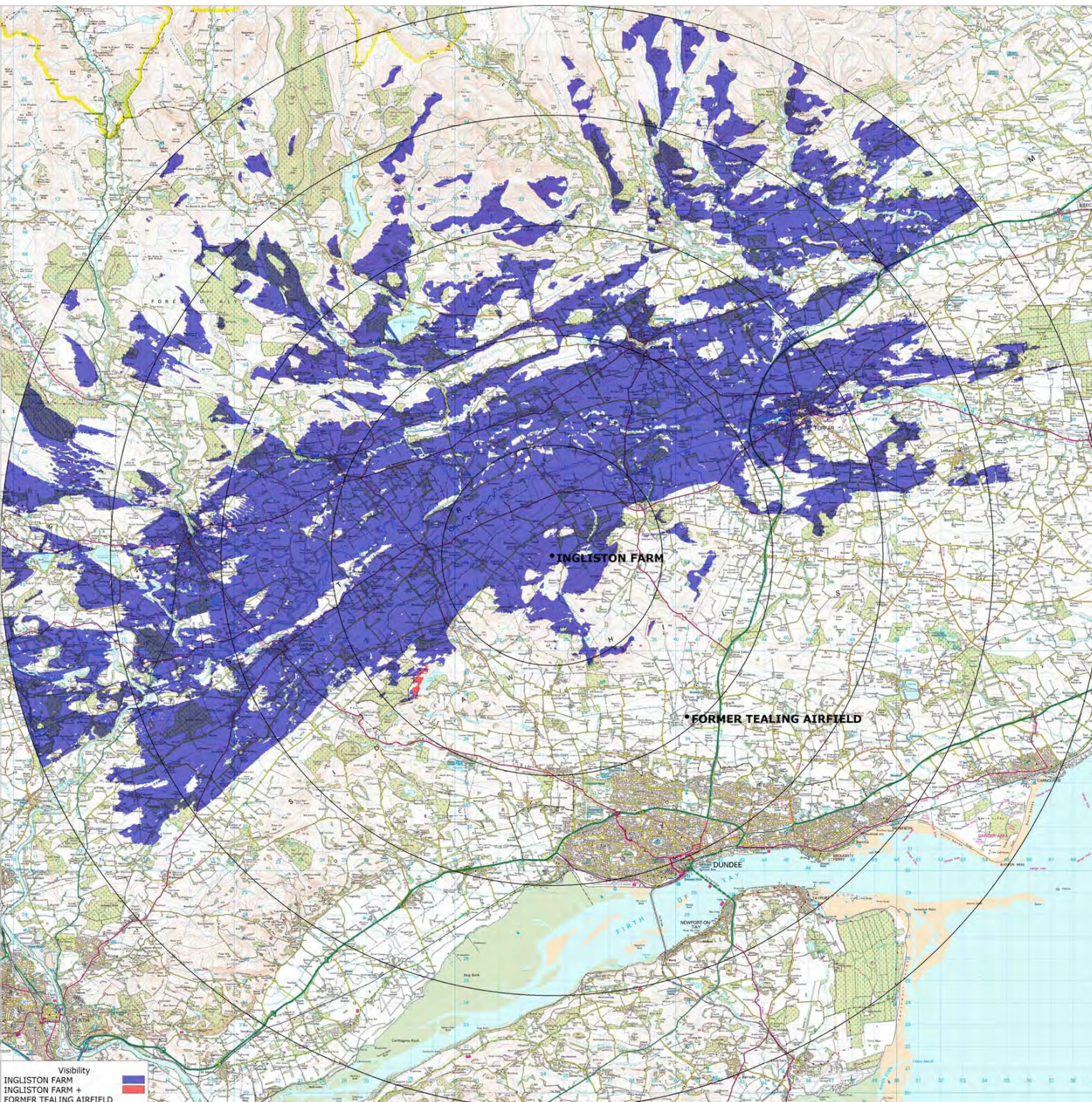
Blue: Only Ingliston Farm turbine visible

Red: At least the nacelle of the Ingliston Farm turbine and the Former Tealing Airfield turbine will be visible

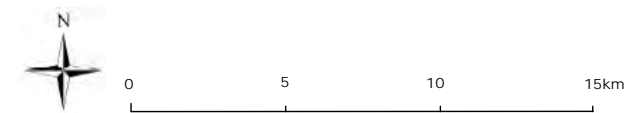
**Former Tealing Airfield details**

No of turbines:	1
Distance from Ingliston Farm:	9.5km
Height to blade tip:	86.5m
Status:	Proposed

PROJECT:	Ingliston Farm
DRAWING TITLE:	Cumulative ZTV—Former Tealing Airfield
DRAWING NO:	ING037
DOCUMENT SIZE:	A3
SCALE:	1: 170,000
DATE:	30/08/2013
DRAWING BY:	Bojan Jevtic
APPROVED BY:	Andy Lowe



Visibility  
 INGLISTON FARM  
 INGLISTON FARM +  
 FORMER TEALING AIRFIELD



**Project Description**



Number of Turbine(s): 1  
 Turbine Model: EWT Directwind 54  
 Hub Height: 50m  
 Blade diameter: 54m  
 Total height to blade tip: 77m  
 Turbine location: 334397 744313

**Notes**

This map illustrates the selected viewpoints for the LVIA study and the turbine ZTV.

Radii: 5, 10 and 15km

**Legend**

-  Turbine Location
-  Viewpoints

This theoretical visibility map is based on a receptor viewing height of 1.8m AGL. The levels of theoretical visibility are based on the following colouring scheme:

- Blue:** Only the blades are theoretically visible from these areas
- Yellow:** At least the nacelle and blades are theoretically visible in these areas
- Red:** The blades, nacelle and tower down to a point at least 1m AGL are theoretically visible in these areas

PROJECT: Ingliston Farm

DRAWING TITLE: Viewpoints and ZTV  
 DRAWING NO: ING038  
 DOCUMENT SIZE: A3  
 SCALE: 1:110,000  
 DATE: 27/08/2013  
 DRAWING BY: Bojan Jevtic  
 APPROVED BY: Andy Lowe

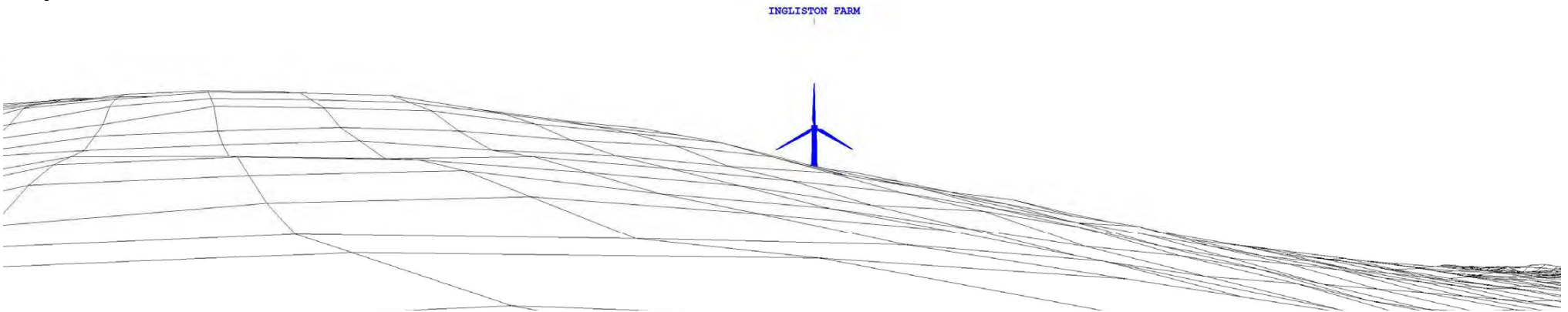
VP	Location	Distance to Turbine (km)
1	Easter Denoon	0.7
2	Denoon Law	1.1
3	Local road near Eassie School	1.2
4	Balkeerie	1.4
5	Carlunie Hill	2.4
6	Eassie Bridge	3.2
7	Kinpurney Hill	3.3
8	Auchterhouse Hill	4.6
9	Glamis Castle	5.0
10	B 954 near Belmont Castle	5.4
11	Local road near Dryloch	7.1
12	A 928 near Kirriemuir	9.7
13	A 926 near Padanaram	11.5
14	A 923 near Coupar Angus	12.8







Existing view from Easter Denoon



Computer generated wireframe showing proposed turbine in blue



Photomontage showing proposed development

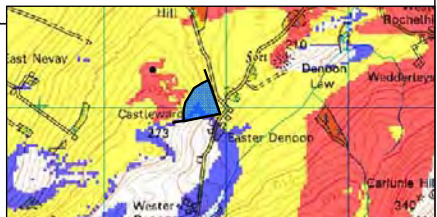


Locogen Ltd, 44 Constitution St, Edinburgh, EH6 6RS  
 Tel: +44(0)131 555 4745;  
 Email: [info@locogen.com](mailto:info@locogen.com)  
 Company Number: SC370060

Project:	Ingliston Farm
Drawing no:	ING039
Drawing by:	Bojan Jevtic
Approved by:	Andy Lowe
OS Licence N°:	100050069

Viewpoint No:	VP01
Viewpoint Location:	E334976 N743942
Field of View:	80°
View direction:	301°
Dist to turbine:	0.7 km
Title:	Easter Denoon

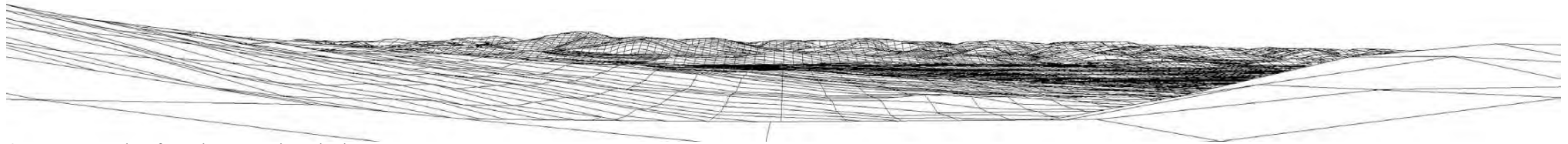
Camera:	Nikon D60
Effective Focal Length:	50 mm
Viewing Distance:	23.8 cm
Elevation:	1.8 m
Date taken:	19/08/2013
Time taken:	11:29



REEDIE FARM

GALLOW HILL

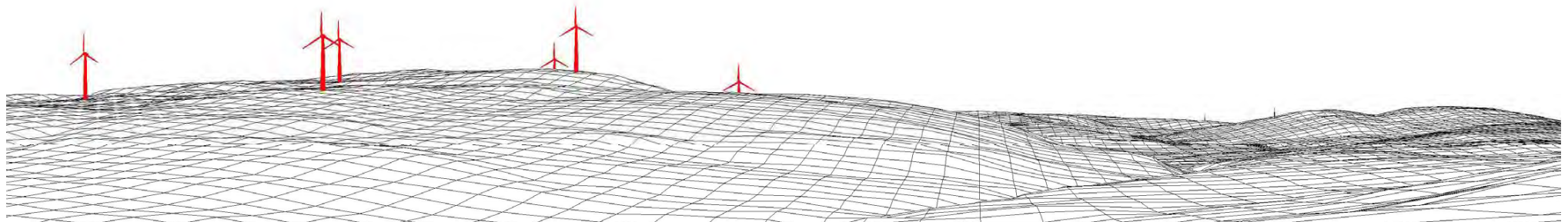
EAST MEMUS  
WHITE TOP



Computer generated wireframe showing cumulative development

ARKHILL

HENDERSTON QUARRY  
SCOTSON



Computer generated wireframe showing cumulative development

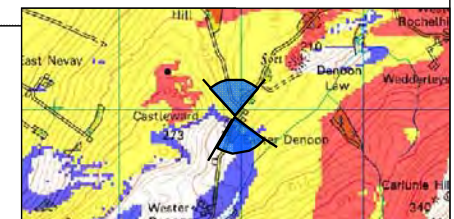


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Tel: +44(0)131 555 4745;  
Email: [info@locogen.com](mailto:info@locogen.com)  
Company Number: SC370060

Project: Ingliston Farm  
Drawing no: ING040  
Drawing by: Bojan Jevtic  
Approved by: Andy Lowe  
OS Licence N°: 100050069

Viewpoint No: VP01  
Viewpoint Location: E334976 N743942  
Field of View: 80°  
View direction: 0° (top), 170 (bottom)°  
Dist to turbine: 0.7 km  
Title: Easter Denoon

Camera: Nikon D60  
Effective Focal Length: 50 mm  
Viewing Distance: 23.8 cm  
Elevation: 1.8 m  
Date taken: 19/08/2013  
Time taken: 11:29





Photomontage showing proposed development

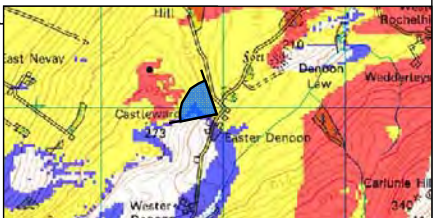


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 Email: [info@locogen.com](mailto:info@locogen.com)  
 Company Number: SC370060

Project: Ingliston Farm  
 Drawing no: ING041  
 Drawing by: Bojan Jevtic  
 Approved by: Andy Lowe  
 OS Licence N°: 100050069

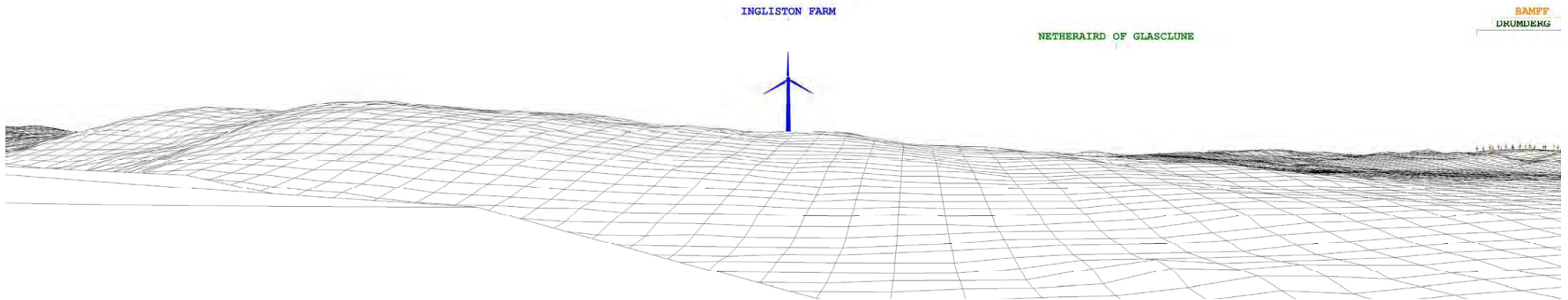
Viewpoint No: VP01  
 Viewpoint Location: E334976 N743942  
 Field of View: 45°  
 View direction: 301°  
 Dist to turbine: 0.7 km  
 Title: Easter Denoon

Camera: Nikon D60  
 Effective Focal Length: 50 mm  
 Viewing Distance: 48.3 cm  
 Elevation: 1.8 m  
 Date taken: 19/08/2013  
 Time taken: 11:29





Existing view from Denoon Law



Computer generated wireframe showing proposed turbine in blue



Photomontage showing proposed development

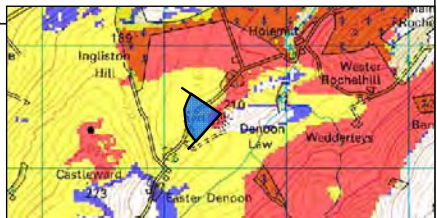


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 Tel: +44(0)131 555 4745;  
 Email: [info@locogen.com](mailto:info@locogen.com)  
 Company Number: SC370060

Project:	Ingliston Farm
Drawing no:	ING042
Drawing by:	Bojan Jevtic
Approved by:	Andy Lowe
OS Licence N°:	100050069

Viewpoint No:	VP02
Viewpoint Location:	E335467 N744432
Field of View:	80°
View direction:	264°
Dist to turbine:	1.1 km
Title:	Denoon Law

Camera:	Nikon D60
Effective Focal Length:	50 mm
Viewing Distance:	23.8 cm
Elevation:	1.8 m
Date taken:	19/08/2013
Time taken:	11:16

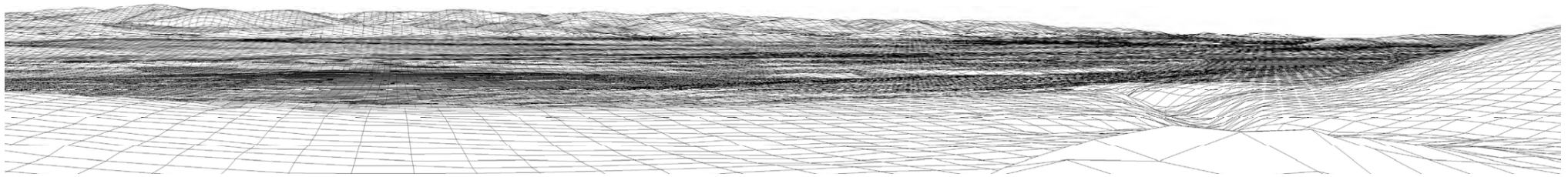


REEDIE FARM

GALLOW HILL

EAST MEMUS  
WHITE TOP

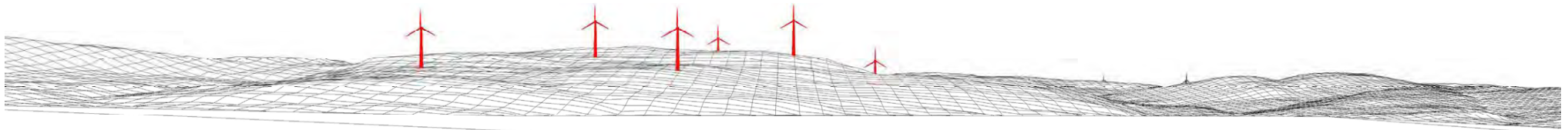
AFFLOCHIE FARM BROOM FARM DUNSWOOD  
KALULU HOUSE



Computer generated wireframe showing cumulative development

ARKHILL

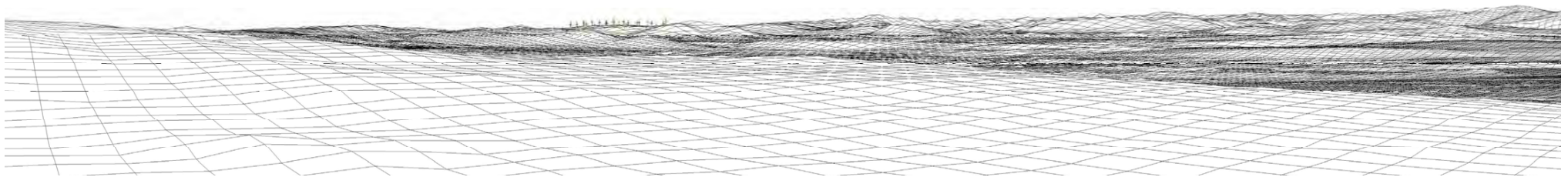
SCOTSON HENDERSTON QUARRY



Computer generated wireframe showing cumulative development

NETHERAIRD OF GLASCLUNE

BAMFF  
DRUMBERG  
THE CORB BRIDGE



Computer generated wireframe showing cumulative development

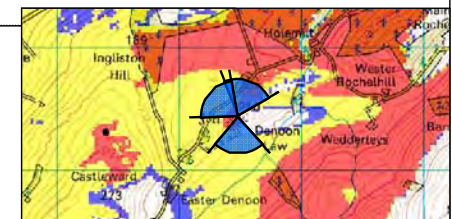


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Tel: +44(0)131 555 4745;  
Email: [info@locogen.com](mailto:info@locogen.com)  
Company Number: SC370060

Project: Ingliston Farm  
Drawing no: ING043  
Drawing by: Bojan Jevtic  
Approved by: Andy Lowe  
OS Licence N°: 100050069

Viewpoint No: VP02  
Viewpoint Location: E335467 N744432  
Field of View: 80°  
View direction: 20° (top), 180° (middle), 310° (bottom)  
Dist to turbine: 1.1 km  
Title: Denoon Law

Camera: Nikon D60  
Effective Focal Length: 50 mm  
Viewing Distance: 23.8 cm  
Elevation: 1.8 m  
Date taken: 19/08/2013  
Time taken: 11:16





Photomontage showing proposed development

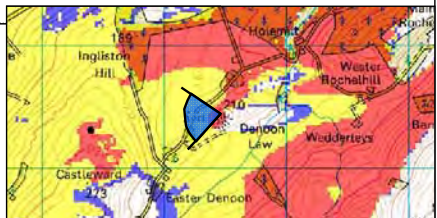


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 Tel: +44(0)131 555 4745;  
 Email: [info@locogen.com](mailto:info@locogen.com)  
 Company Number: SC370060

Project: Ingliston Farm  
 Drawing no: ING044  
 Drawing by: Bojan Jevtic  
 Approved by: Andy Lowe  
 OS Licence N°: 100050069

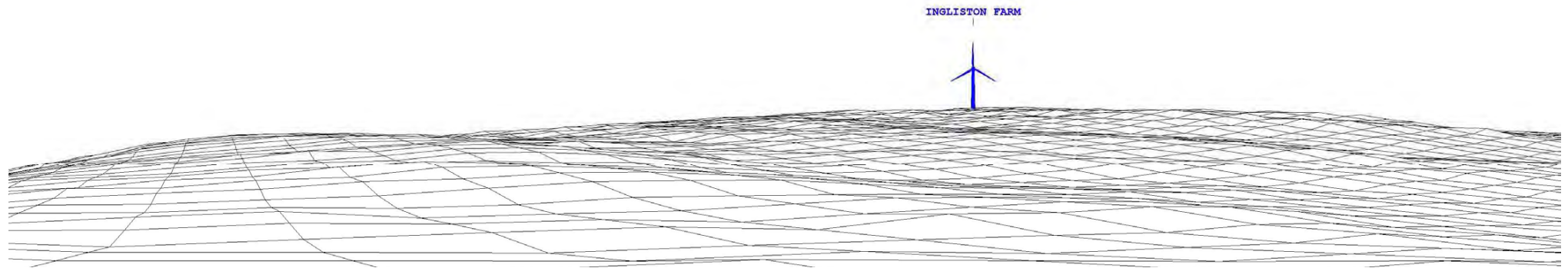
Viewpoint No: VP02  
 Viewpoint Location: E335467 N744432  
 Field of View: 45°  
 View direction: 264°  
 Dist to turbine: 1.1 km  
 Title: Denoon Law

Camera: Nikon D60  
 Effective Focal Length: 50 mm  
 Viewing Distance: 48.3 cm  
 Elevation: 1.8 m  
 Date taken: 19/08/2013  
 Time taken: 11:16





Existing view from local road near Eassie School



Computer generated wireframe showing proposed turbine in blue



Photomontage showing proposed development



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 Company Number: SC370060

Project: Ingliston Farm  
 Drawing no: ING045  
 Drawing by: Bojan Jevtic  
 Approved by: Andy Lowe  
 OS Licence N°: 100050069

Viewpoint No: VP03  
 Viewpoint Location: E333482 N745062  
 Field of View: 80°  
 View direction: 120°  
 Dist to turbine: 1.2 km  
 Title: Local road near Eassie School

Camera: Nikon D60  
 Effective Focal Length: 50 mm  
 Viewing Distance: 23.8 cm  
 Elevation: 1.8 m  
 Date taken: 19/08/2013  
 Time taken: 10:21

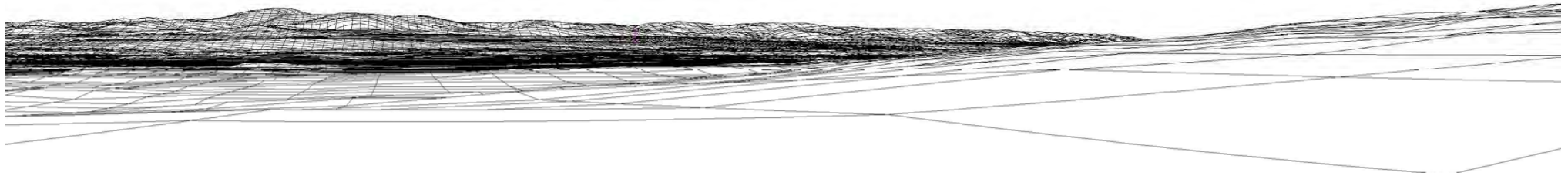


REEDIE FARM

GALLOW HILL

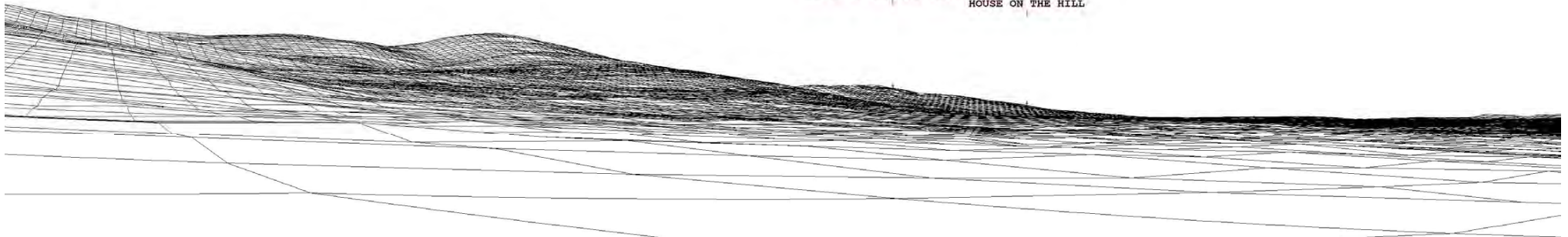
EAST MEMUS  
WHITE TOP

AFFLOCHIE FARM



Computer generated wireframe showing cumulative development

HOUSE ON THE HILL KETTINS  
HOUSE ON THE HILL



Computer generated wireframe showing cumulative development

HILL OF LETHENDY FARM

EASTER LOGIE  
NETHERAIRD OF GLASCLUNE

BAMFF  
DRUMDERG



Computer generated wireframe showing cumulative development

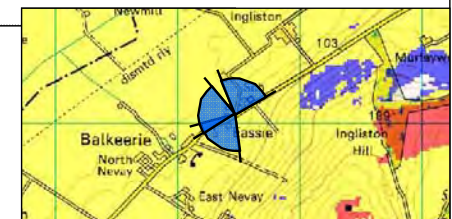


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Tel: +44(0)131 555 4745;  
Email: [info@locogen.com](mailto:info@locogen.com)  
Company Number: SC370060

Project: Ingliston Farm  
Drawing no: ING046  
Drawing by: Bojan Jevtic  
Approved by: Andy Lowe  
OS Licence N°: 100050069

Viewpoint No: VP03  
Viewpoint Location: E333482 N745062  
Field of View: 80°  
View direction: 20° (top), 215° (middle), 280° (bottom)  
Dist to turbine: 1.2 km  
Title: Local road near Eassie School

Camera: Nikon D60  
Effective Focal Length: 50 mm  
Viewing Distance: 23.8 m  
Elevation: 1.8 m  
Date taken: 19/08/2013  
Time taken: 10:21







Photomontage showing proposed development



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 Email: [info@locogen.com](mailto:info@locogen.com)  
 Company Number: SC370060

Project: Ingliston Farm  
 Drawing no: ING047  
 Drawing by: Bojan Jevtic  
 Approved by: Andy Lowe  
 OS Licence N°: 100050069

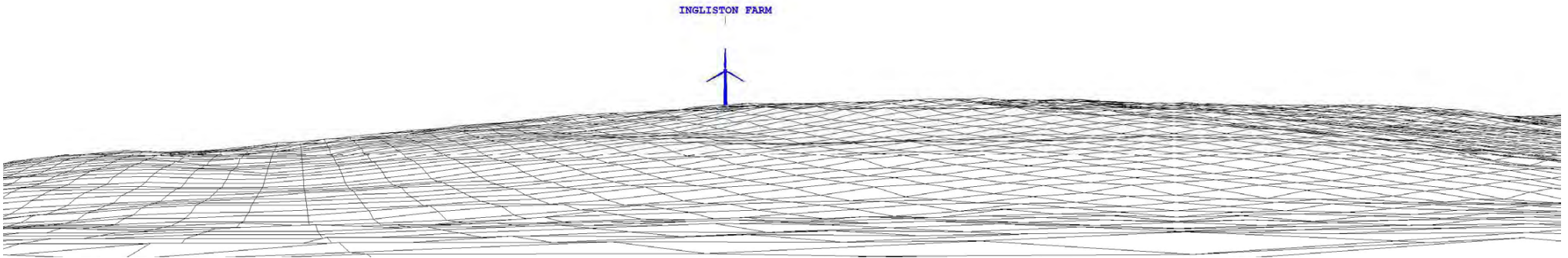
Viewpoint No: VP03  
 Viewpoint Location: E333482 N745062  
 Field of View: 45°  
 View direction: 129°  
 Dist to turbine: 1.2 km  
 Title: Local road near Eassie School

Camera: Nikon D60  
 Effective Focal Length: 50 mm  
 Viewing Distance: 48.3 cm  
 Elevation: 1.8 m  
 Date taken: 19/08/2013  
 Time taken: 10:21





Existing view from Balkeerie



Computer generated wireframe showing proposed turbine in blue



Photomontage showing proposed development

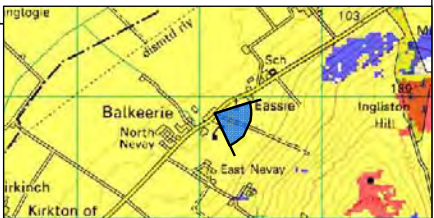


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 Email: [info@locogen.com](mailto:info@locogen.com)  
 Company Number: SC370060

Project: Ingliston Farm  
 Drawing no: ING048  
 Drawing by: Bojan Jevtic  
 Approved by: Andy Lowe  
 OS Licence N°: 100050069

Viewpoint No: VP04  
 Viewpoint Location: E333122 N744830  
 Field of View: 80°  
 View direction: 115°  
 Dist to turbine: 1.4 km  
 Title: Balkeerie

Camera: Nikon D60  
 Effective Focal Length: 50 mm  
 Viewing Distance: 23.8 cm  
 Elevation: 1.8 m  
 Date taken: 19/08/2013  
 Time taken: 11:58

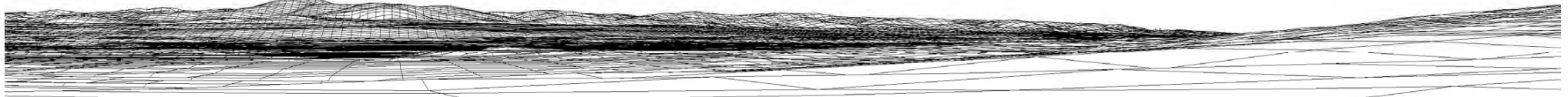


REEDIE FARM

GALLOW HILL

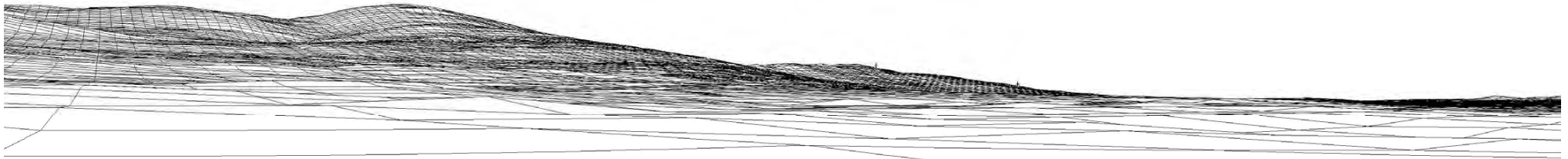
EAST MEMUS  
WHITE TOP

AFFLOCHIE FARM



Computer generated wireframe showing cumulative development

HOUSE ON THE HILL KETTINS      HOUSE ON THE HILL

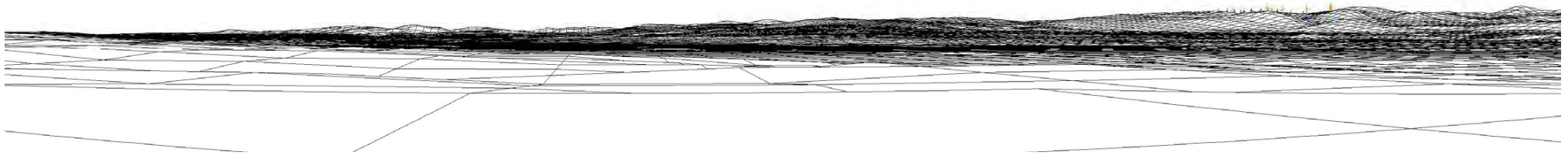


Computer generated wireframe showing cumulative development

HILL OF LETHENDY FARM

EASTER LOGIE  
NETHERAIRD OF GLASCLUNE

BAMFF  
DRUMBERG



Computer generated wireframe showing cumulative development

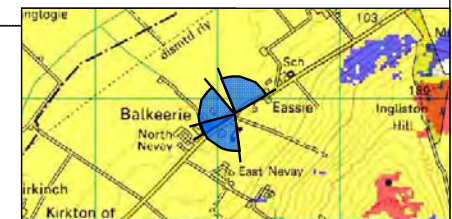


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Tel: +44(0)131 555 4745;  
Email: [info@locogen.com](mailto:info@locogen.com)  
Company Number: SC370060

Project: Ingliston Farm  
Drawing no: ING049  
Drawing by: Bojan Jevtic  
Approved by: Andy Lowe  
OS Licence N°: 100050069

Viewpoint No: VP04  
Viewpoint Location: E333122 N744830  
Field of View: 80°  
View direction: 20° (top), 215° (middle), 280° (bottom)  
Dist to turbine: 1.4 km  
Title: Balkeerie

Camera: Nikon D60  
Effective Focal Length: 50 mm  
Viewing Distance: 23.8 cm  
Elevation: 1.8 m  
Date taken: 19/08/2013  
Time taken: 11:58





Photomontage showing proposed development



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 Email: [info@locogen.com](mailto:info@locogen.com)  
 Company Number: SC370060

Project: Ingliston Farm  
 Drawing no: ING050  
 Drawing by: Bojan Jevtic  
 Approved by: Andy Lowe  
 OS Licence N°: 100050069

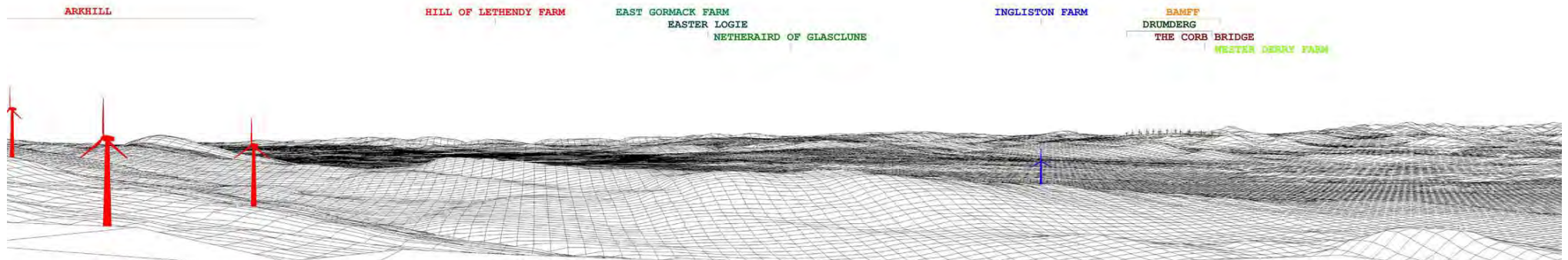
Viewpoint No: VP04  
 Viewpoint Location: E333122 N744830  
 Field of View: 45°  
 View direction: 115°  
 Dist to turbine: 1.4 km  
 Title: Balkeerie

Camera: Nikon D60  
 Effective Focal Length: 50 mm  
 Viewing Distance: 48.3 cm  
 Elevation: 1.8 m  
 Date taken: 19/08/2013  
 Time taken: 11:58





Existing view from Carlunie Hill



Computer generated wireframe showing proposed turbine in blue



Photomontage showing proposed development

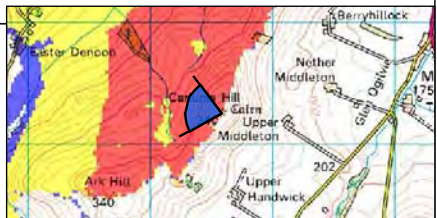


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 Company Number: SC370060

Project: Ingliston Farm  
 Drawing no: ING051  
 Drawing by: Bojan Jevtic  
 Approved by: Andy Lowe  
 OS Licence N°: 100050069

Viewpoint No: VP05  
 Viewpoint Location: E336575 N743253  
 Field of View: 80°  
 View direction: 283°  
 Dist to turbine: 2.4 km  
 Title: Carlunie Hill

Camera: Nikon D60  
 Effective Focal Length: 50 mm  
 Viewing Distance: 23.8 cm  
 Elevation: 1.8 m  
 Date taken: 19/08/2013  
 Time taken: 15:30







Photomontage showing proposed development

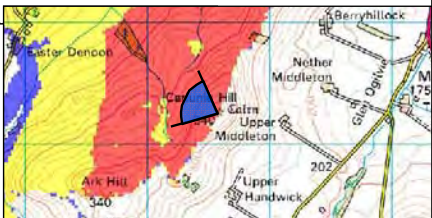


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 Email: [info@locogen.com](mailto:info@locogen.com)  
 Company Number: SC370060

Project: Ingliston Farm  
 Drawing no: ING053  
 Drawing by: Bojan Jevtic  
 Approved by: Andy Lowe  
 OS Licence N°: 100050069

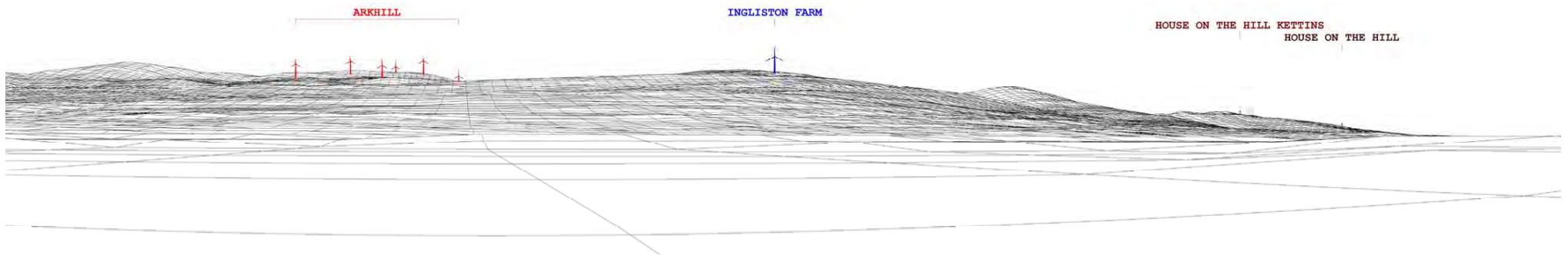
Viewpoint No: VP05  
 Viewpoint Location: E336575 N743253  
 Field of View: 45°  
 View direction: 296°  
 Dist to turbine: 2.4 km  
 Title: Carlunie Hill

Camera: Nikon D60  
 Effective Focal Length: 50 mm  
 Viewing Distance: 48.3 cm  
 Elevation: 1.8 m  
 Date taken: 19/08/2013  
 Time taken: 15:30





Existing view from Eassie Bridge



Computer generated wireframe showing proposed turbine in blue



Photomontage showing proposed development screened by vegetation



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 Company Number: SC370060

Project: Ingliston Farm  
 Drawing no: ING054  
 Drawing by: Bojan Jevtic  
 Approved by: Andy Lowe  
 OS Licence N°: 100050069

Viewpoint No: VP06  
 Viewpoint Location: E335278 N747395  
 Field of View: 80°  
 View direction: 196°  
 Dist to turbine: 3.2 km  
 Title: Eassie Bridge

Camera: Nikon D60  
 Effective Focal Length: 50 mm  
 Viewing Distance: 23.8 cm  
 Elevation: 1.8 m  
 Date taken: 19/08/2013  
 Time taken: 10:45





REEDIE FARM

EAST MEMUS  
WHITE TOP

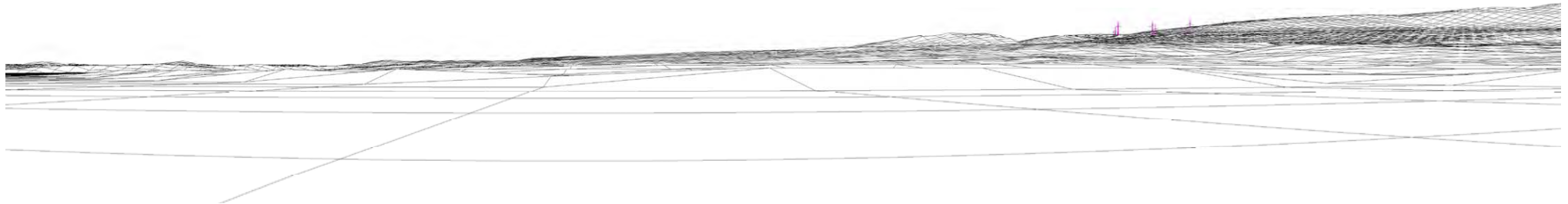
AFFLOCHIE FARM



Computer generated wireframe showing cumulative development

WEST MAINS OF TURIN

GOVALS



Computer generated wireframe showing cumulative development



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 Tel: +44(0)131 555 4745  
 Email: [info@locogen.com](mailto:info@locogen.com)  
 Company Number: SC370060

Project: Ingliston Farm  
 Drawing no: ING055  
 Drawing by: Bojan Jevtic  
 Approved by: Andy Lowe  
 OS Licence N°: 100050069

Viewpoint No: VP06  
 Viewpoint Location: E335278 N747395  
 Field of View: 80°  
 View direction: 20° (top), 100° (bottom)  
 Dist to turbine: 3.2 km  
 Title: Eassie Bridge

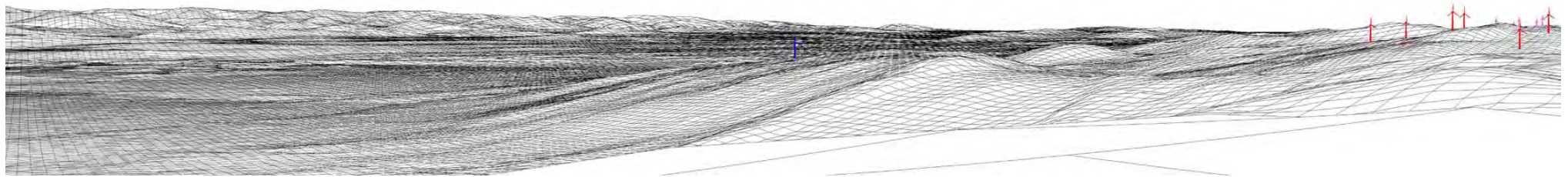
Camera: Nikon D60  
 Effective Focal Length: 50 mm  
 Viewing Distance: 23.8 cm  
 Elevation: 1.8 m  
 Date taken: 19/08/2013  
 Time taken: 10:45





Existing view from Kinpurney Hill

REEDIE FARM      GALLOW HILL      EAST MEMUS      INGLISTON FARM      DUNSWOOD      PITKENNEDY FARM      ARKHILL  
WHITE TOP      AFFLOCHIE FARM      BROOM FARM      KALULU HOUSE      WEST MAINS OF TURIN      GOVALS



Computer generated wireframe showing proposed turbine in blue



Photomontage showing proposed development



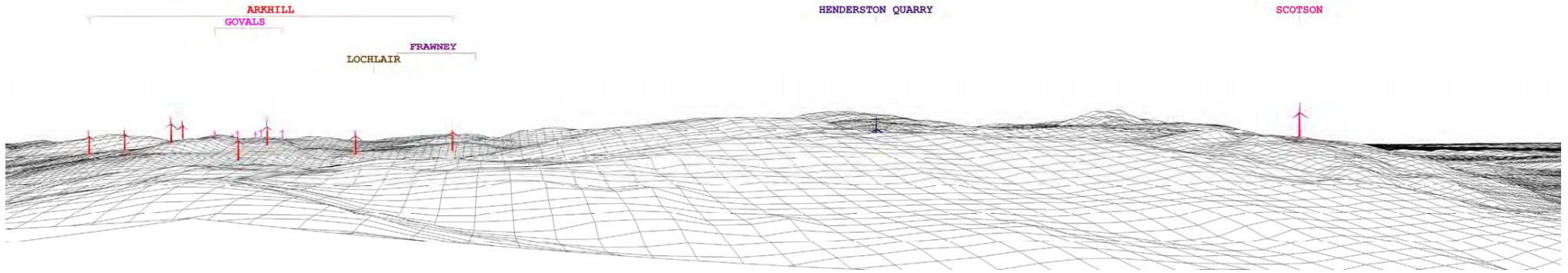
Locogen Ltd, 44 Constitution St, Edinburgh, EH6 6RS  
 Tel: +44(0)131 555 4745  
 Email: [info@locogen.com](mailto:info@locogen.com)  
 Company Number: SC370060

Project: Ingliston Farm  
 Drawing no: ING056  
 Drawing by: Bojan Jevtic  
 Approved by: Andy Lowe  
 OS Licence N°: 100050069

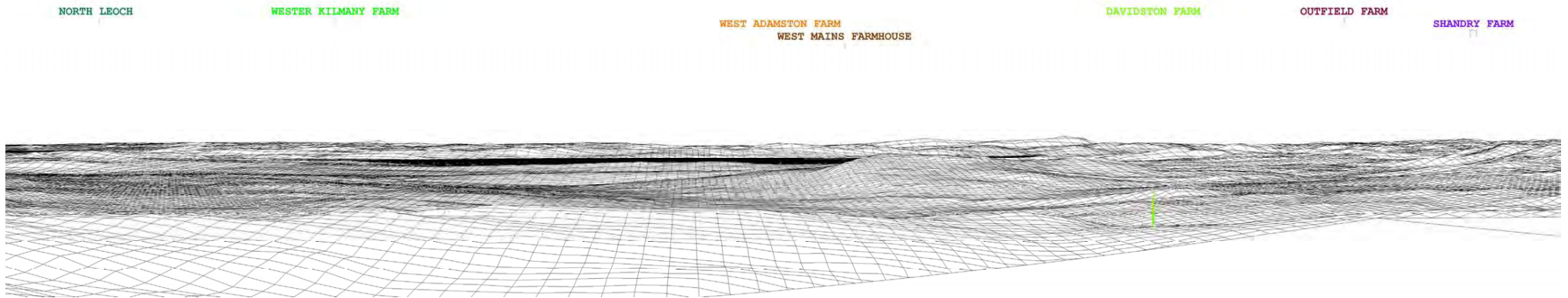
Viewpoint No: VP07  
 Viewpoint Location: E332260 N741739  
 Field of View: 80°  
 View direction: 39°  
 Dist to turbine: 3.3 km  
 Title: Kinpurney Hill

Camera: Nikon D60  
 Effective Focal Length: 50 mm  
 Viewing Distance: 23.8 cm  
 Elevation: 1.8 m  
 Date taken: 19/08/2013  
 Time taken: 12:50

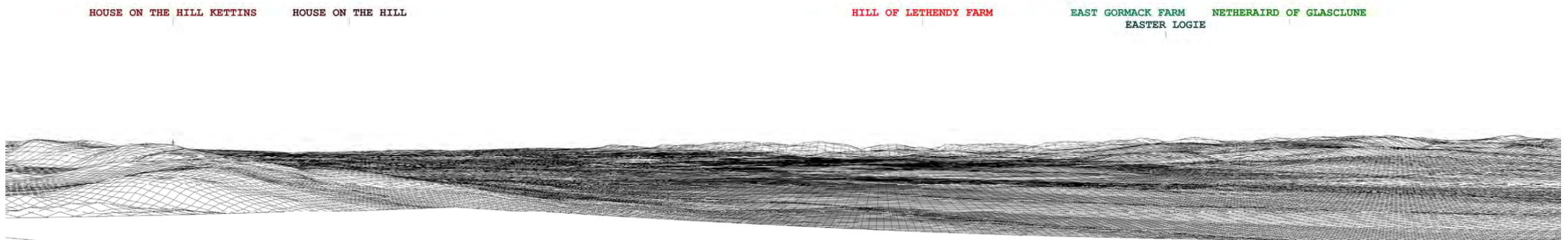




Computer generated wireframe showing cumulative development



Computer generated wireframe showing cumulative development



Computer generated wireframe showing cumulative development

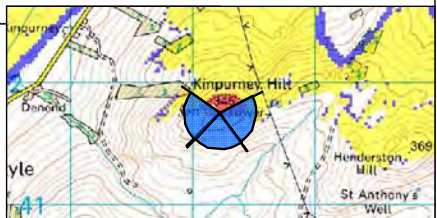


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 Tel: +44(0)131 555 4745  
 Email: [info@locogen.com](mailto:info@locogen.com)  
 Company Number: SC370060

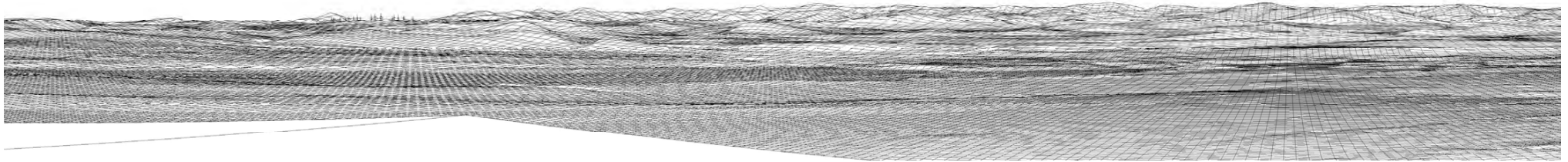
Project:	Ingliston Farm
Drawing no:	ING057
Drawing by:	Bojan Jevtic
Approved by:	Andy Lowe
OS Licence N°:	100050069

Viewpoint No:	VP07
Viewpoint Location:	E332260 N741739
Field of View:	80°
View direction:	105° (top), 185° (middle), 265° (bottom)
Dist to turbine:	3.3 km
Title:	Kinpurney Hill

Camera:	Nikon D60
Effective Focal Length:	50 mm
Viewing Distance:	23.8 cm
Elevation:	1.8 m
Date taken:	19/08/2013
Time taken:	12:50



DRUMBERG  
 BAMPT  
 THE CORB BRIDGE



Computer generated wireframe showing cumulative development



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 Email: [info@locogen.com](mailto:info@locogen.com)  
 Company Number: SC370060

Project: Ingliston Farm  
 Drawing no: ING058  
 Drawing by: Bojan Jevtic  
 Approved by: Andy Lowe  
 OS Licence N°: 100050069

Viewpoint No: VP07  
 Viewpoint Location: E332260 N741739  
 Field of View: 80°  
 View direction: 334°  
 Dist to turbine: 3.3 km  
 Title: Kinpurney Hill

Camera: Nikon D60  
 Effective Focal Length: 50 mm  
 Viewing Distance: 23.8 cm  
 Elevation: 1.8 m  
 Date taken: 19/08/2013  
 Time taken: 12:50





Photomontage showing proposed development



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6RS  
Tel: +44(0)131 555 4745;  
Email: [info@locogen.com](mailto:info@locogen.com)  
Company Number: SC370060

Project: Ingliston Farm  
Drawing no: ING059  
Drawing by: Bojan Jevtic  
Approved by: Andy Lowe  
OS Licence N°: 100050069

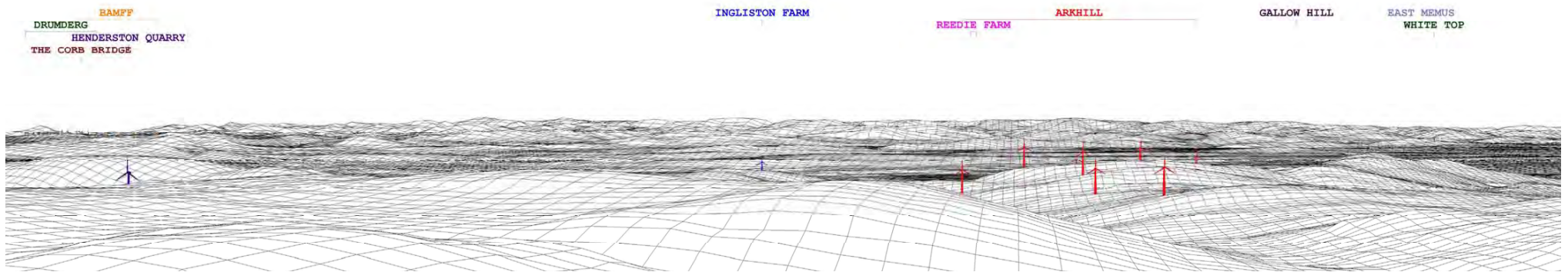
Viewpoint No: VP07  
Viewpoint Location: E332260 N741739  
Field of View: 45°  
View direction: 39°  
Dist to turbine: 3.3 km  
Title: Kinpurney Hill

Camera: Nikon D60  
Effective Focal Length: 50 mm  
Viewing Distance: 48.3 cm  
Elevation: 1.8 m  
Date taken: 19/08/2013  
Time taken: 12:50







Existing view from Auchterhouse Hill



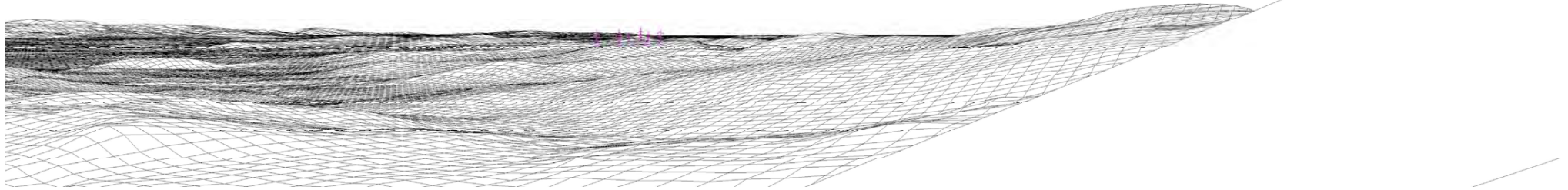
Computer generated wireframe showing proposed turbine in blue



Photomontage showing proposed development

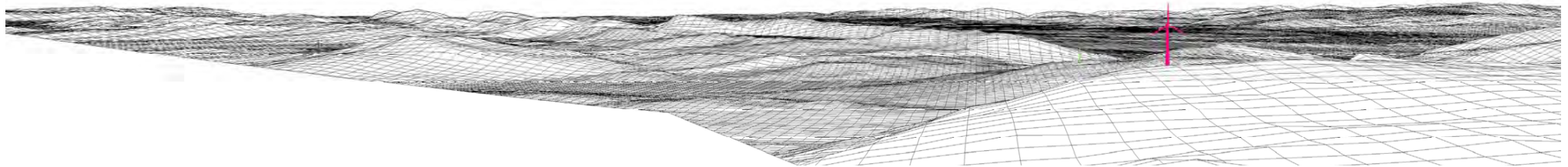
 <p>Locogen Ltd, 44 Constitution St, Edinburgh, EH6 6RS Tel: +44(0)131 555 4745 Email: <a href="mailto:info@locogen.com">info@locogen.com</a> Company Number: SC370060</p>	<p>Project: Ingliston Farm</p>	<p>Viewpoint No: VP08</p>	<p>Camera: Nikon D60</p>	
	<p>Drawing no: ING060</p> <p>Drawing by: Bojan Jevtic</p> <p>Approved by: Andy Lowe</p> <p>OS Licence N°: 100050069</p>	<p>Viewpoint Location: E335421 N739831</p> <p>Field of View: 80°</p> <p>View direction: 348°</p> <p>Dist to turbine: 4.6 km</p> <p>Title: Auchterhouse Hill</p>	<p>Effective Focal Length: 50 mm</p> <p>Viewing Distance: 23.8 cm</p> <p>Elevation: 1.8 m</p> <p>Date taken: 19/08/2013</p> <p>Time taken: 14:15</p>	

AFFLOCHIE FARM  
 BROOM FARM  
 KALULU HOUSE  
 DUNSWOOD  
 PITKENNEDY FARM  
 WEST MAINS OF TURIN  
 GOVALS  
 DUBTON FARM  
 LOYAL FARM  
 NEWMILL OF BALGAVIES  
 PICKERTON  
 NORTH MAINS OF CONONSYTH FARM



Computer generated wireframe showing cumulative development

OUTFIELD FARM  
 SHANDRY FARM  
 WEST MAINS FARMHOUSE  
 GLENBRAN FARM  
 HOUSE ON THE HILL KETTINS  
 DAVIDETON FARM  
 HILL OF LETHENDY FARM  
 SCOTSON  
 EAST GORMACK FARM  
 EASTER LOGIE  
 NETHERAIRD OF GLASCLUNE



Computer generated wireframe showing cumulative development

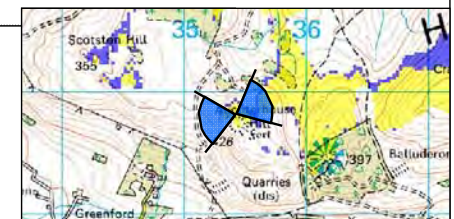


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 Email: [info@locogen.com](mailto:info@locogen.com)  
 Company Number: SC370060

Project: Ingliston Farm  
 Drawing no: ING061  
 Drawing by: Bojan Jevtic  
 Approved by: Andy Lowe  
 OS Licence N°: 100050069

Viewpoint No: VP08  
 Viewpoint Location: E335421 N739831  
 Field of View: 80°  
 View direction: 65° (top), 260° (bottom)  
 Dist to turbine: 4.6 km  
 Title: Auchterhouse Hill

Camera: Nikon D60  
 Effective Focal Length: 50 mm  
 Viewing Distance: 23.8 cm  
 Elevation: 1.8 m  
 Date taken: 19/08/2013  
 Time taken: 14:15





Photomontage showing proposed development

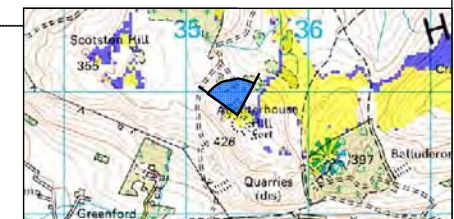


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6RS  
Tel: +44(0)131 555 4745  
Email: [info@locogen.com](mailto:info@locogen.com)  
Company Number: SC370060

Project: Ingliston Farm  
Drawing no: ING062  
Drawing by: Bojan Jevtic  
Approved by: Andy Lowe  
OS Licence N°: 100050069

Viewpoint No: VP08  
Viewpoint Location: E335421 N739831  
Field of View: 45°  
View direction: 348°  
Dist to turbine: 4.6 km  
Title: Auchterhouse Hill

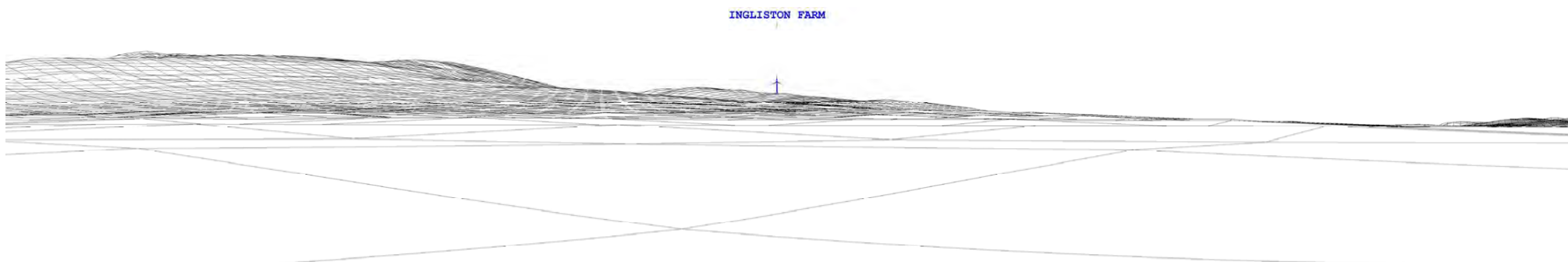
Camera: Nikon D60  
Effective Focal Length: 50 mm  
Viewing Distance: 48.3 cm  
Elevation: 1.8 m  
Date taken: 19/08/2013  
Time taken: 14:15







Existing view from Glamis Castle



Computer generated wireframe showing proposed turbine in blue



Photomontage showing proposed development screened by vegetation



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 Company Number: SC370060

Project:	Ingliston Farm
Drawing no:	ING063
Drawing by:	Bojan Jevtic
Approved by:	Andy Lowe
OS Licence N°:	100050069

Viewpoint No:	VP09
Viewpoint Location:	E338415 N747238
Field of View:	80°
View direction:	235°
Dist to turbine:	5.0 km
Title:	Glamis Castle

Camera:	Nikon D60
Effective Focal Length:	50 mm
Viewing Distance:	23.8 cm
Elevation:	1.8 m
Date taken:	19/08/2013
Time taken:	09:58



GALLOW HILL

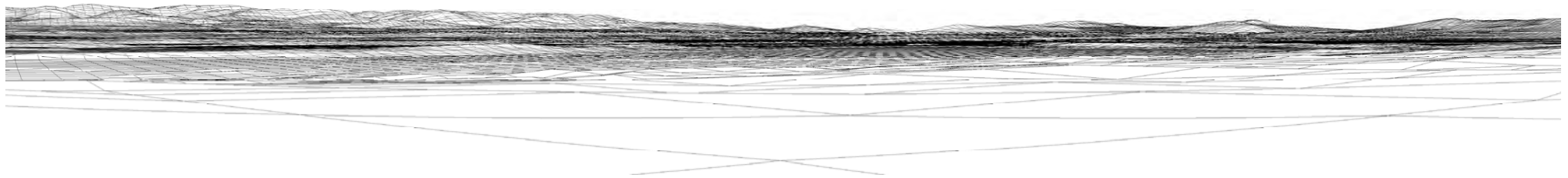
EAST MEMUS  
WHITE TOP

AFFLOCHIE FARM

BROOM FARM  
KALULU HOUSE

DUNSWOOD

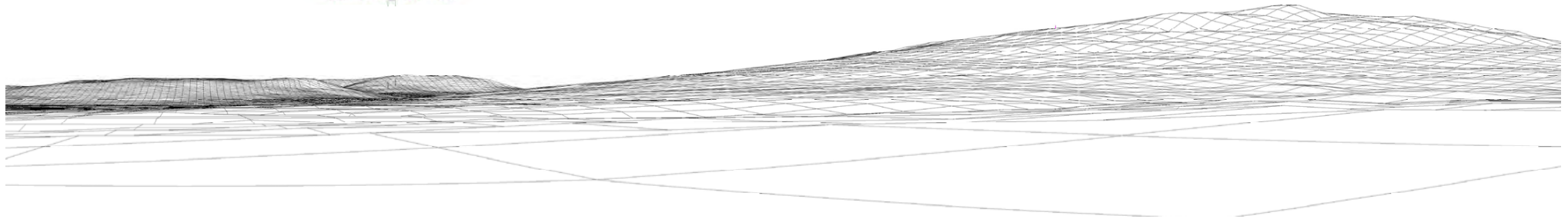
WEST MAINS OF TURIN



Computer generated wireframe showing cumulative development

WESTER MEATHIE FARM

GOVALS



Computer generated wireframe showing cumulative development

BAMFF

DRUMBERG  
THE CORB BRIDGE  
WESTER DERRY FARM

REEDIE FARM



Computer generated wireframe showing cumulative development

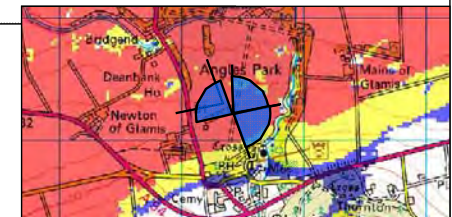


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Tel: +44(0)131 555 4745  
Email: [info@locogen.com](mailto:info@locogen.com)  
Company Number: SC370060

Project: Ingliston Farm  
Drawing no: ING064  
Drawing by: Bojan Jevtic  
Approved by: Andy Lowe  
OS Licence N°: 100050069

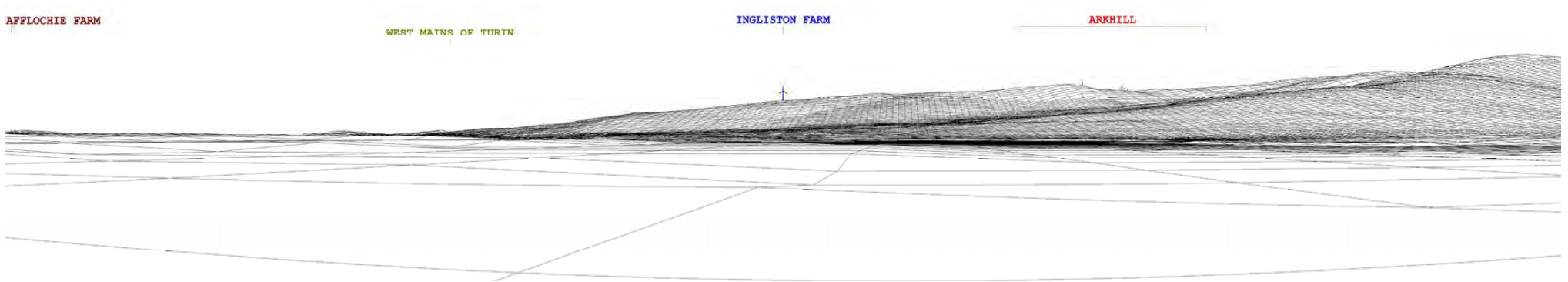
Viewpoint No: VP09  
Viewpoint Location: E338415 N747238  
Field of View: 80°  
View direction: 40° (top), 120° (middle), 300° (bottom)  
Dist to turbine: 5.0 km  
Title: Glamis Castle

Camera: Nikon D60  
Effective Focal Length: 50 mm  
Viewing Distance: 23.8 cm  
Elevation: 1.8 m  
Date taken: 19/08/2013  
Time taken: 09:58





Existing view from B 954 near Belmont Castle



Computer generated wireframe showing proposed turbine in blue



Photomontage showing proposed development



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 Company Number: SC370060

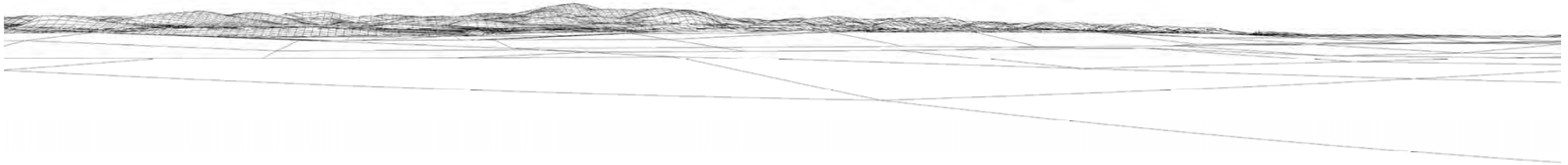
Project: Ingliston Farm  
 Drawing no: ING065  
 Drawing by: Bojan Jevtic  
 Approved by: Andy Lowe  
 OS Licence N\*: 100050069

Viewpoint No: VP10  
 Viewpoint Location: E329011 N743745  
 Field of View: 80°  
 View direction: 84°  
 Dist to turbine: 5.4 km  
 Title: B 954 near Belmont Castle

Camera: Nikon D60  
 Effective Focal Length: 50 mm  
 Viewing Distance: 23.8 cm  
 Elevation: 1.8 m  
 Date taken: 19/08/2013  
 Time taken: 16:15

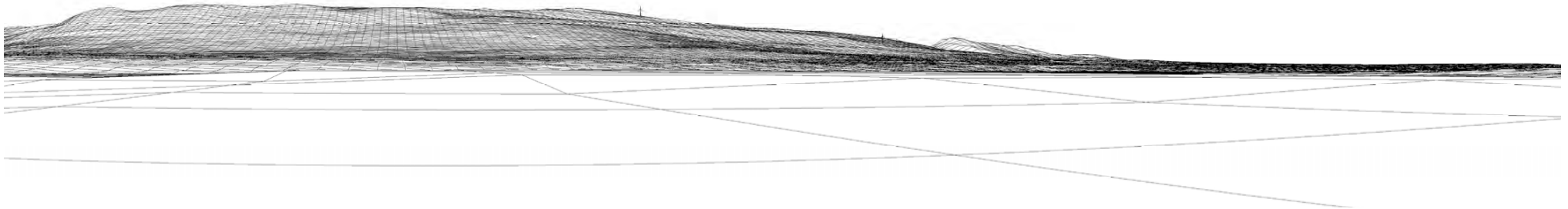


REEDIE FARM      AFFLOCHIE FARM  
 EAST MEMUS  
 WHITE TOP



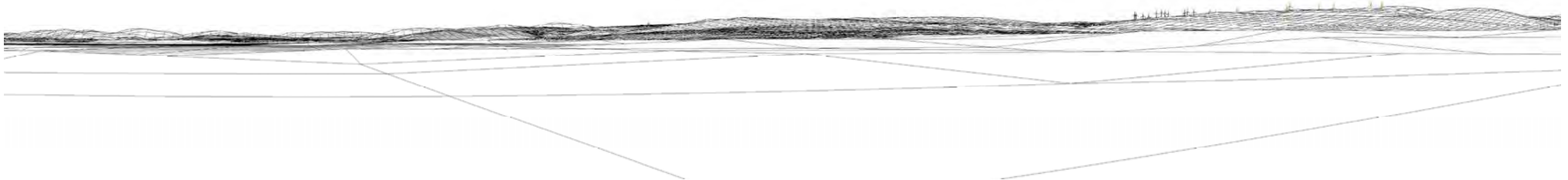
Computer generated wireframe showing cumulative development

HOUSE ON THE HILL KETTINS      HOUSE ON THE HILL



Computer generated wireframe showing cumulative development

HILL OF LETHENDY FARM      EASTER LOGIE      NETHERAIRD OF GLASCLUNE      DRUMBERG      BAMFF



Computer generated wireframe showing cumulative development

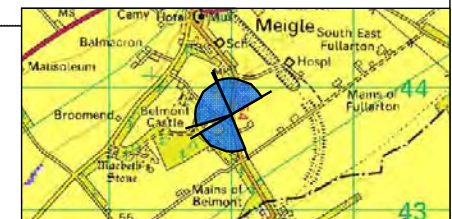


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 Email: [info@locogen.com](mailto:info@locogen.com)  
 Company Number: SC370060

Project: Ingliston Farm  
 Drawing no: ING066  
 Drawing by: Bojan Jevtic  
 Approved by: Andy Lowe  
 OS Licence N°: 100050069

Viewpoint No: VP10  
 Viewpoint Location: E329011 N743745  
 Field of View: 80°  
 View direction: 20° (top), 200° (middle), 295° (bottom)  
 Dist to turbine: 5.4 km  
 Title: B 954 near Belmont Castle

Camera: Nikon D60  
 Effective Focal Length: 50 mm  
 Viewing Distance: 23.8 cm  
 Elevation: 1.8 m  
 Date taken: 19/08/2013  
 Time taken: 16:15





Photomontage showing proposed development



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 Email: [info@locogen.com](mailto:info@locogen.com)  
 Company Number: SC370060

Project: Ingliston Farm  
 Drawing no: ING067  
 Drawing by: Bojan Jevtic  
 Approved by: Andy Lowe  
 OS Licence N°: 100050069

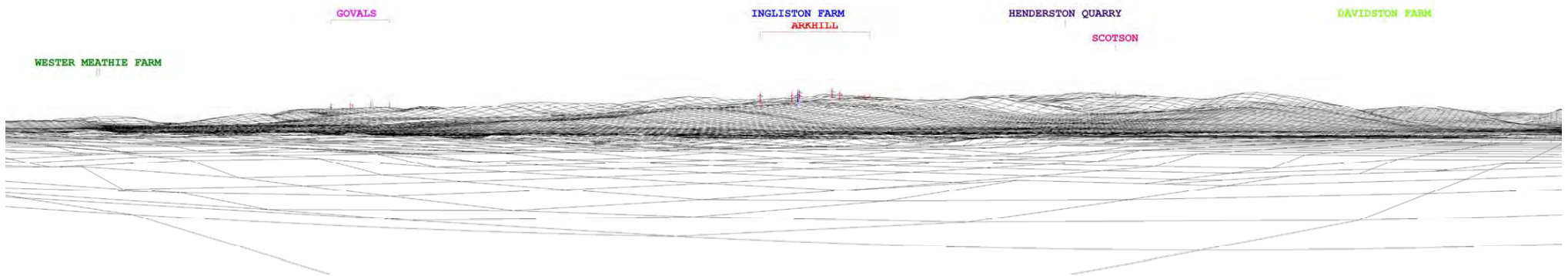
Viewpoint No: VP10  
 Viewpoint Location: E329011 N743745  
 Field of View: 45°  
 View direction: 84°  
 Dist to turbine: 5.4 km  
 Title: B 954 near Belmont Castle

Camera: Nikon D60  
 Effective Focal Length: 50 mm  
 Viewing Distance: 48.3 cm  
 Elevation: 1.8 m  
 Date taken: 19/08/2013  
 Time taken: 16:15





Existing view from local road near Dryloch



Computer generated wireframe showing proposed turbine in blue



Photomontage showing proposed development

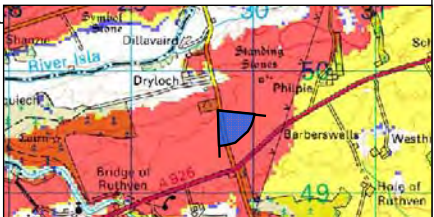


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 Tel: +44(0)131 555 4745;  
 Email: [info@locogen.com](mailto:info@locogen.com)  
 Company Number: SC370060

Project:	Ingliston Farm
Drawing no:	ING068
Drawing by:	Bojan Jevtic
Approved by:	Andy Lowe
OS Licence N°:	100050069

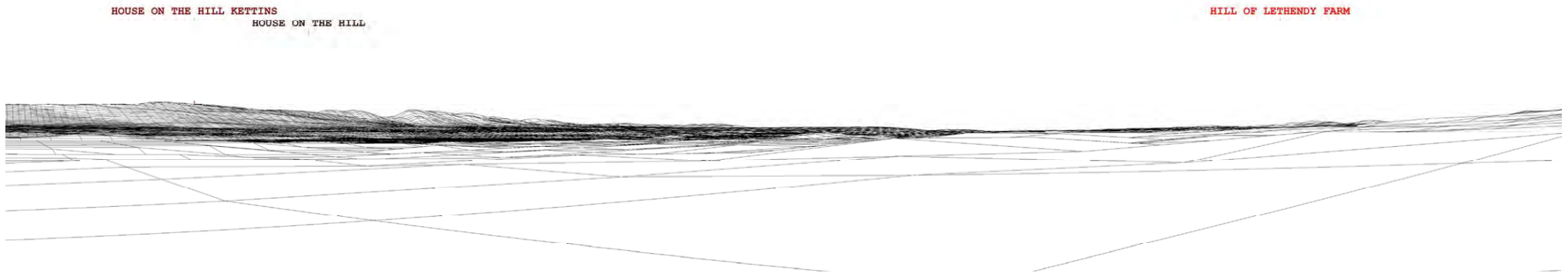
Viewpoint No:	VP11
Viewpoint Location:	E329737 N749660
Field of View:	80°
View direction:	138°
Dist to turbine:	7.1 km
Title:	Local road near Dryloch

Camera:	Nikon D60
Effective Focal Length:	50 mm
Viewing Distance:	23.8 cm
Elevation:	1.8 m
Date taken:	19/08/2013
Time taken:	16:40





Computer generated wireframe showing cumulative development



Computer generated wireframe showing cumulative development

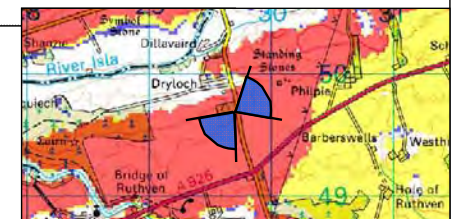


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 Tel: +44(0)131 555 4745  
 Email: [info@locogen.com](mailto:info@locogen.com)  
 Company Number: SC370060

Project: Ingliston Farm  
 Drawing no: ING069  
 Drawing by: Bojan Jevtic  
 Approved by: Andy Lowe  
 OS Licence N°: 100050069

Viewpoint No: VP11  
 Viewpoint Location: E329737 N749660  
 Field of View: 80°  
 View direction: 60° (top), 220° (bottom)  
 Dist to turbine: 7.1 km  
 Title: Local road near Dryloch

Camera: Nikon D60  
 Effective Focal Length: 50 mm  
 Viewing Distance: 23.8 cm  
 Elevation: 1.8 m  
 Date taken: 19/08/2013  
 Time taken: 16:40





Photomontage showing proposed development

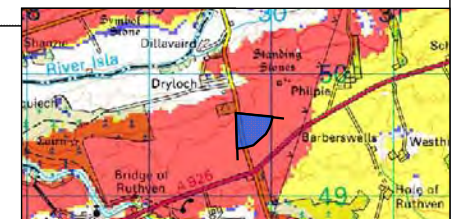


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6RS  
Tel: +44(0)131 555 4745;  
Email: [info@locogen.com](mailto:info@locogen.com)  
Company Number: SC370060

Project: Ingliston Farm  
Drawing no: ING070  
Drawing by: Bojan Jevtic  
Approved by: Andy Lowe  
OS Licence N°: 100050069

Viewpoint No: VP11  
Viewpoint Location: E329737 N749660  
Field of View: 45°  
View direction: 138°  
Dist to turbine: 7.1 km  
Title: Local road near Dryloch

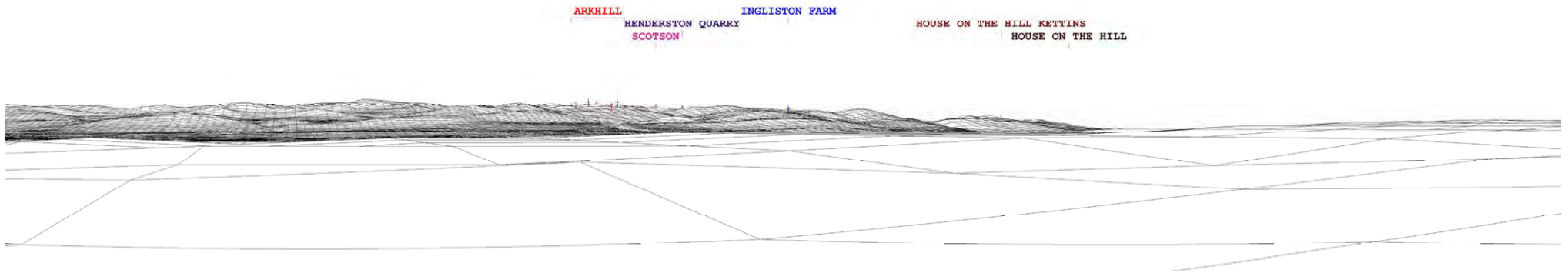
Camera: Nikon D60  
Effective Focal Length: 50 mm  
Viewing Distance: 48.3 cm  
Elevation: 1.8 m  
Date taken: 19/08/2013  
Time taken: 16:40







Existing view from A 928 near Kirriemuir



Computer generated wireframe showing proposed turbine in blue



Photomontage showing proposed development

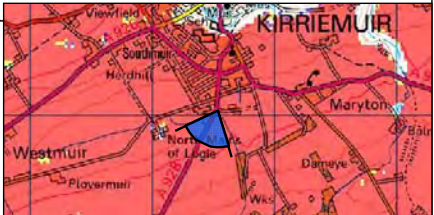


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 Tel: +44(0)131 555 4745  
 Email: [info@locogen.com](mailto:info@locogen.com)  
 Company Number: SC370060

Project: Ingliston Farm  
 Drawing no: ING071  
 Drawing by: Bojan Jevtic  
 Approved by: Andy Lowe  
 OS Licence N°: 100050069

Viewpoint No: VP12  
 Viewpoint Location: E338541 N753036  
 Field of View: 80°  
 View direction: 205°  
 Dist to turbine: 9.7 km  
 Title: A 928 near Kirriemuir

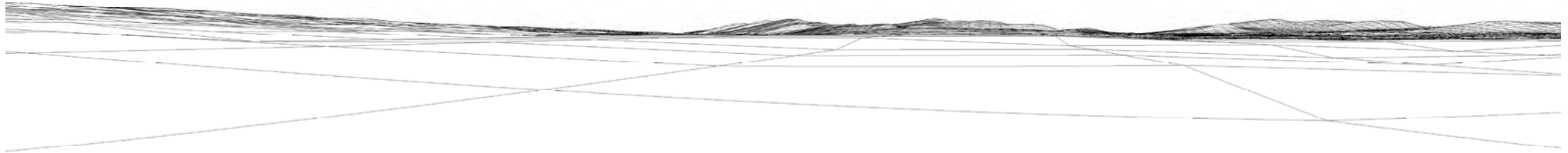
Camera: Nikon D60  
 Effective Focal Length: 50 mm  
 Viewing Distance: 23.8 cm  
 Elevation: 1.8 m  
 Date taken: 19/08/2013  
 Time taken: 09:32



PITKENNEDY FARM

WEST MAINS OF TURIN

NEWMILL OF BALGAVIES



Computer generated wireframe showing cumulative development

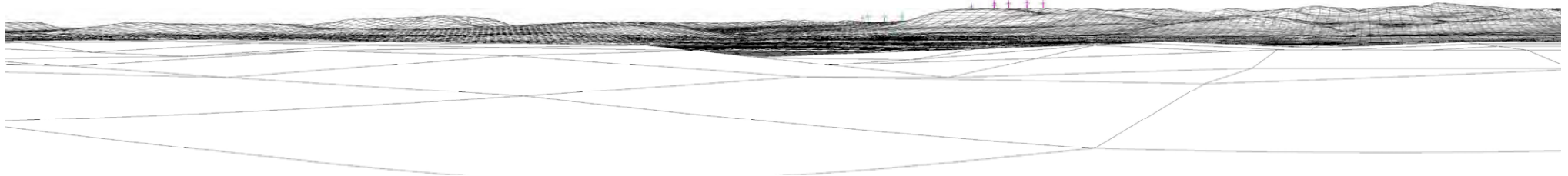
LOCHLAIR

WESTER MEATHIE FARM

STOTFAULDS

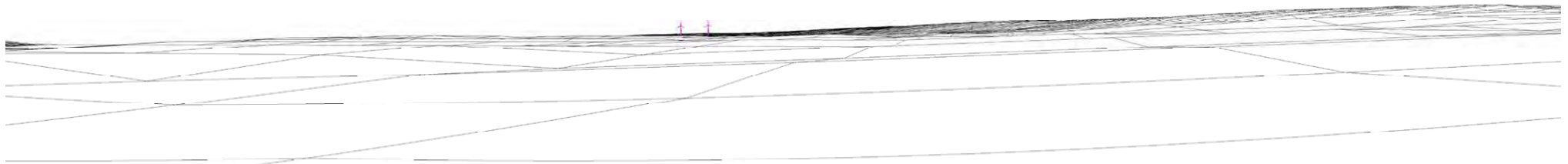
DODD HILL  
NORTH TARBAX

GOVALS



Computer generated wireframe showing cumulative development

RABBIT FARM



Computer generated wireframe showing cumulative development

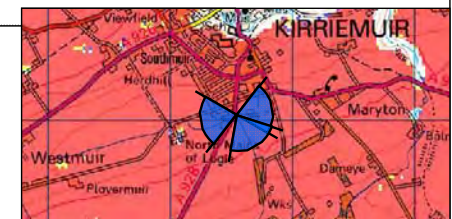


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 Tel: +44(0)131 555 4745  
 Email: [info@locogen.com](mailto:info@locogen.com)  
 Company Number: SC370060

Project: Ingliston Farm  
 Drawing no: ING072  
 Drawing by: Bojan Jevtic  
 Approved by: Andy Lowe  
 OS Licence N°: 100050069

Viewpoint No: VP12  
 Viewpoint Location: E338541 N753036  
 Field of View: 80°  
 View direction: 80° (top), 150° (middle), 260° (bottom)  
 Dist to turbine: 9.7 km  
 Title: A 928 near Kirriemuir

Camera: Nikon D60  
 Effective Focal Length: 50 mm  
 Viewing Distance: 23.8 cm  
 Elevation: 1.8 m  
 Date taken: 19/08/2013  
 Time taken: 09:32





Photomontage showing proposed development

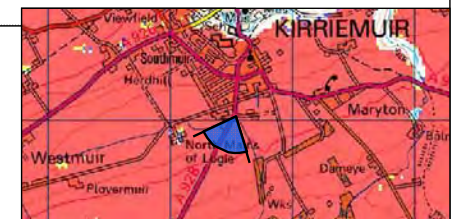


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 Tel: +44(0)131 555 4745  
 Email: [info@locogen.com](mailto:info@locogen.com)  
 Company Number: SC370060

Project: Ingliston Farm  
 Drawing no: ING073  
 Drawing by: Bojan Jevtic  
 Approved by: Andy Lowe  
 OS Licence N°: 100050069

Viewpoint No: VP12  
 Viewpoint Location: E338541 N753036  
 Field of View: 45°  
 View direction: 205°  
 Dist to turbine: 9.7 km  
 Title: A 928 near Kirriemuir

Camera: Nikon D60  
 Effective Focal Length: 50 mm  
 Viewing Distance: 48.3 cm  
 Elevation: 1.8 m  
 Date taken: 19/08/2013  
 Time taken: 09:32





Existing view from A 926 near Padanaram



Computer generated wireframe showing proposed turbine in blue



Photomontage showing proposed development

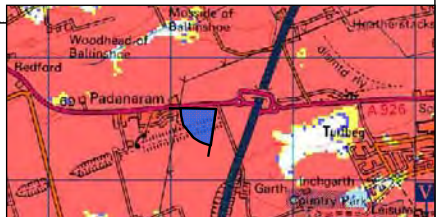


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 Tel: +44(0)131 555 4745  
 Email: [info@locogen.com](mailto:info@locogen.com)  
 Company Number: SC370060

Project:	Ingliston Farm
Drawing no:	ING074
Drawing by:	Bojan Jevtic
Approved by:	Andy Lowe
OS Licence N°:	100050069

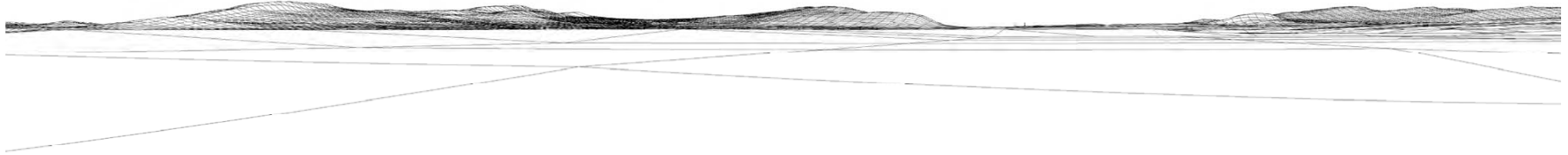
Viewpoint No:	VP13
Viewpoint Location:	E343377 N751564
Field of View:	80°
View direction:	231°
Dist to turbine:	11.5 km
Title:	A 926 near Padanaram

Camera:	Nikon D60
Effective Focal Length:	50 mm
Viewing Distance:	23.8 cm
Elevation:	1.8 m
Date taken:	19/08/2013
Time taken:	09:16



DUNSWOOD

DURTON FARM  
PICKERTON

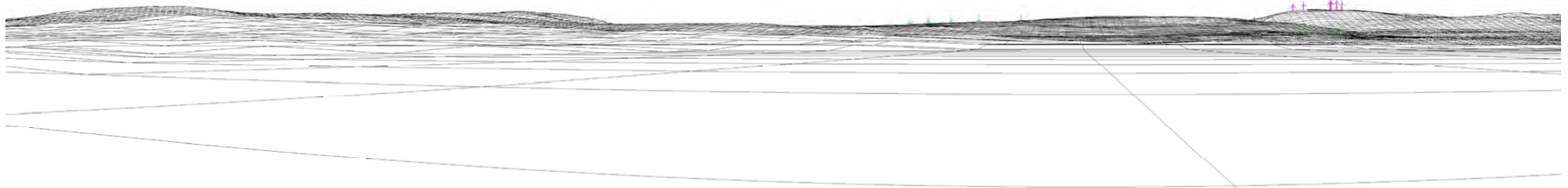


Computer generated wireframe showing cumulative development

WESTER MEATHIE FARM

DODD HILL

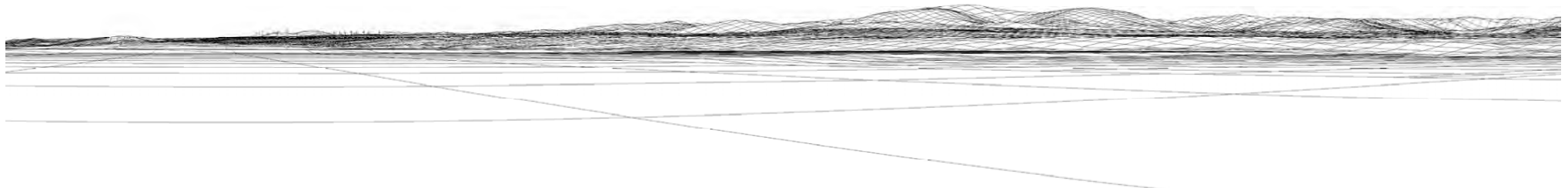
FRAWNEY  
GOVALS



Computer generated wireframe showing cumulative development

BAMFF  
REEDIE FARM  
WESTER DERRY FARM

DRUMBERG



Computer generated wireframe showing cumulative development

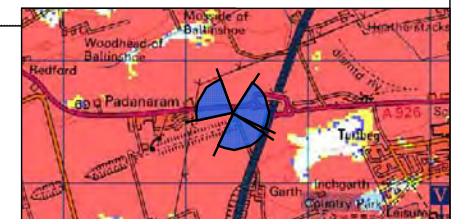


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Tel: +44(0)131 555 4745  
Email: [info@locogen.com](mailto:info@locogen.com)  
Company Number: SC370060

Project: Ingliston Farm  
Drawing no: ING075  
Drawing by: Bojan Jevtic  
Approved by: Andy Lowe  
OS Licence N°: 100050069

Viewpoint No: VP13  
Viewpoint Location: E343377 N751564  
Field of View: 80°  
View direction: 75° (top), 165° (middle), 300° (bottom)  
Dist to turbine: 11.5 km  
Title: A 926 near Padanaram

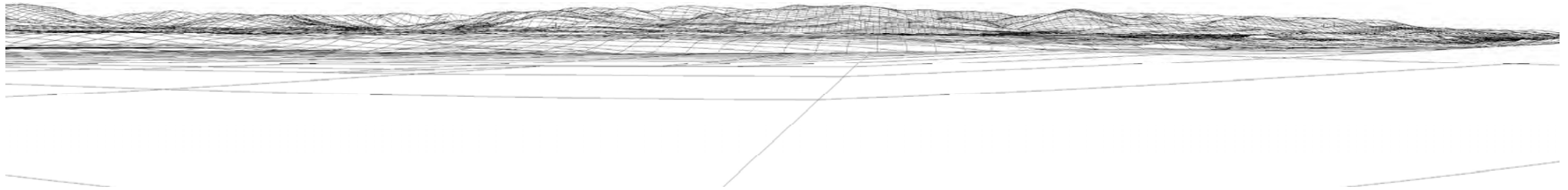
Camera: Nikon D60  
Effective Focal Length: 50 mm  
Viewing Distance: 23.8 cm  
Elevation: 1.8 m  
Date taken: 19/08/2013  
Time taken: 09:16



GALLOW HILL

EAST MEMUS  
WHITE TOP

AFFLOCHIE FARM BROOM FARM



Computer generated wireframe showing cumulative development

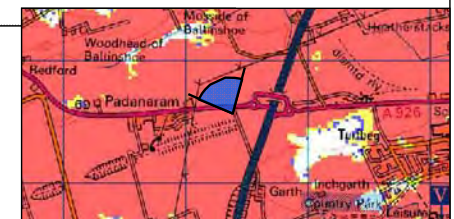


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 Email: [info@locogen.com](mailto:info@locogen.com)  
 Company Number: SC370060

Project: Ingliston Farm  
 Drawing no: ING076  
 Drawing by: Bojan Jevtic  
 Approved by: Andy Lowe  
 OS Licence N°: 100050069

Viewpoint No: VP13  
 Viewpoint Location: E343377 N751564  
 Field of View: 80°  
 View direction: 355°  
 Dist to turbine: 11.5 km  
 Title: A 926 near Padanaram

Camera: Nikon D60  
 Effective Focal Length: 50 mm  
 Viewing Distance: 23.8 cm  
 Elevation: 1.8 m  
 Date taken: 19/08/2013  
 Time taken: 09:16





Photomontage showing proposed development

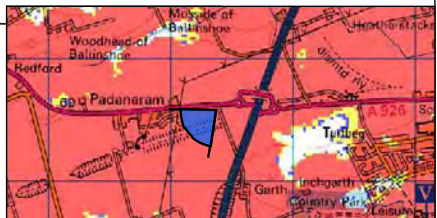


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 Company Number: SC370060

Project: Ingliston Farm  
 Drawing no: ING077  
 Drawing by: Bojan Jevtic  
 Approved by: Andy Lowe  
 OS Licence N°: 100050069

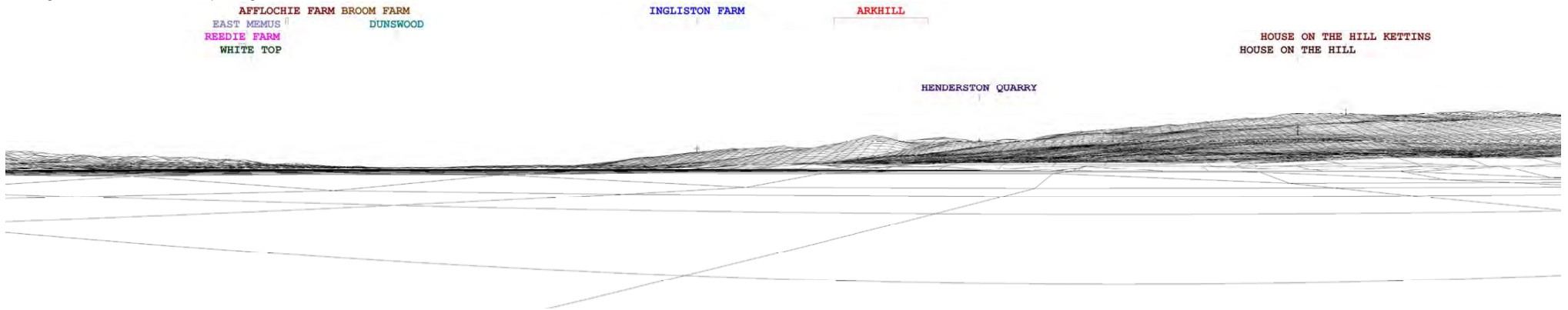
Viewpoint No: VP13  
 Viewpoint Location: E343377 N751564  
 Field of View: 45°  
 View direction: 231°  
 Dist to turbine: 11.5 km  
 Title: A 926 near Padanaram

Camera: Nikon D60  
 Effective Focal Length: 50 mm  
 Viewing Distance: 48.3 cm  
 Elevation: 1.8 m  
 Date taken: 19/08/2013  
 Time taken: 09:16





Existing view from A 923 near Coupar Angus



Computer generated wireframe showing proposed turbine in blue



Photomontage showing proposed development



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 Company Number: SC370060

Project: Ingliston Farm  
 Drawing no: ING078  
 Drawing by: Bojan Jevtic  
 Approved by: Andy Lowe  
 OS Licence N°: 100050069

Viewpoint No: VP14  
 Viewpoint Location: E322483 N739568  
 Field of View: 80°  
 View direction: 73°  
 Dist to turbine: 12.8 km  
 Title: A 923 near Coupar Angus

Camera: Nikon D60  
 Effective Focal Length: 50 mm  
 Viewing Distance: 23.8 cm  
 Elevation: 1.8 m  
 Date taken: 19/08/2013  
 Time taken: 17:08





HILL OF LETHENDY FARM

EAST CORMACK FARM  
EASTER LOGIE

NETHERAIRD OF GLASCLUNE

DRUMBERG

BAMPF



Computer generated wireframe showing cumulative development



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Company Number: SC370060

Project: Ingliston Farm  
Drawing no: ING079  
Drawing by: Bojan Jevtic  
Approved by: Andy Lowe  
OS Licence N°: 100050069

Viewpoint No: VP14  
Viewpoint Location: E322483 N739568  
Field of View: 80°  
View direction: 322°  
Dist to turbine: 12.8 km  
Title: A 923 near Coupar Angus

Camera: Nikon D60  
Effective Focal Length: 50 mm  
Viewing Distance: 23.8 cm  
Elevation: 1.8 m  
Date taken: 19/08/2013  
Time taken: 17:08





Photomontage showing proposed development



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Email: [info@locogen.com](mailto:info@locogen.com)  
Company Number: SC370060

Project: Ingliston Farm  
Drawing no: ING080  
Drawing by: Bojan Jevtic  
Approved by: Andy Lowe  
OS Licence N°: 100050069

Viewpoint No: VP14  
Viewpoint Location: E322483 N739568  
Field of View: 45°  
View direction: 68°  
Dist to turbine: 12.8 km  
Title: A 923 near Coupar Angus

Camera: Nikon D60  
Effective Focal Length: 50 mm  
Viewing Distance: 48.3 cm  
Elevation: 1.8 m  
Date taken: 19/08/2013  
Time taken: 17:08

