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## **Inverclyde Wind Farm**

### **Cultural Heritage**

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### **Inverclyde Wind Farm**

### **Cultural Heritage**

## 9 Historic Environment

### Introduction

- 9.1 This chapter considers the potential effects on the historic environment (archaeology and built heritage) of the construction and operation of the proposed Inverclyde wind farm. The specific objectives of the assessment were to:
- identify the historic environment baseline within the proposed development site;
  - consider the development site in terms of its archaeological and historic environment potential;
  - describe the likely potential effects, including direct, indirect and cumulative impacts as a result of the proposed works both during construction and once completed, within the context of relevant legislation and planning policy guidance;
  - describe the mitigation measures that have been committed to in order to avoid or reduce effects; and
  - assess the significance of residual effects that are likely to remain following implementation of mitigation measures.
- 9.2 The assessment has been carried out by George Mudie and H el ena Gray of CFA Archaeology Ltd (CFA), an Institute for Archaeologists (IfA) Registered Organisation based in Musselburgh, East Lothian. All field surveys were undertaken by suitably qualified CFA consultants, with reference to the IfA's Code of Conduct and Guidelines<sup>1</sup>.
- 9.3 This chapter is supported by Technical Appendix 9.1: Historic Environment Assets within the initial site study area and site boundary, and Technical Appendix 9.2: Historic Environment Assets within 10 km of the site, and Figures 9.1-9.13, which are referenced in the text where relevant.

### Study Area

- 9.4 The historic environment study area consists of two parts:
- the proposed Inverclyde wind farm site: an area predominantly of upland moorland and rough pasture, and within which the development is located (Figure 9.1); the blue line boundary (initial site study area) was used for the collation of baseline data (including field survey) and assessment of archaeological potential of the area, and has been retained for the purposes of this assessment. The red line boundary forms the final proposed site boundary and has been used for the assessment of direct effects arising from the construction of the proposed Inverclyde wind farm and associated infrastructure.
  - a wider study area: an area extending to 10 km from the outermost turbines was defined as the study area for the identification of historic environment assets whose settings may be

affected by the proposed development. The study area extent was agreed as being appropriate by the West of Scotland Archaeology Service (WoSAS). Historic Scotland (HS) identified no assets beyond 10 km that should be considered in the assessment of effects on their settings. This same 10 km study area has also been used for the assessment of cumulative effects.

- 9.5 Figure 9.1 shows the site boundary, the proposed Inverclyde wind farm layout, and the proposed access track route together with the historic environment sites and features identified within the study area. A gazetteer of these sites is provided in Technical Appendix 9.1: Historic Environment Assets within the initial site study area, . These study areas were used for the assessment of direct effects from the construction of the proposed development.
- 9.6 Figure 9.2 shows the site in its wider landscape context together with the blade tip height zone of theoretical visibility (ZTV) and the location, extent, and identifying site number of all historic environment assets within 10 km of the proposed Inverclyde wind farm from which there is a theoretical view of the turbines. Technical Appendix 9.2: Historic Environment Assets within 10 km of the site, provides a list of those assets which fall within the ZTV up to 10km from the proposed Inverclyde wind farm, and provides a tabulated summary assessment of the predicted effects on all of their individual settings. The identifying site number for the historic environment assets which have been specifically mentioned as requiring assessment for operational effects on their setting, by either (or both) HS and WoSAS (See Table 9.1 and 9.11), have been highlighted with a bold red outline on Figure 9.2, for ease of reference.
- 9.7 Figure 9.3 shows the proposed Inverclyde wind farm, the location of all historic environment assets which fall within the ZTV within 10 km of the outermost turbines, together with the location of those other wind farm developments most likely to have a cumulative operational effect on the settings of historic environment assets.

### Legislation and Policy Context

#### International Legislation and Policy

- 9.8 There is no International Legislation or Policy relating to the historic environment that is relevant to those aspects of the historic environment considered in this assessment.

#### National Legislation and Policy

##### Scottish Historic Environment Policy (SHEP)

- 9.9 The SHEP<sup>2</sup> sets out Scottish Ministers' policies for the historic environment, and provides policy direction for Historic Scotland and a framework that informs the day-to-day work of a range of organisations that have a role and interest in managing Scotland's historic environment.

<sup>1</sup> Institute for Archaeologists (2010) 'By-Laws: Code of Conduct'. Institute for Archaeologists

Institute for Archaeologists (2011) 'Standard and Guidance for archaeological desk-based assessment'. Institute for Archaeologists

<sup>2</sup> Scottish Government (2011) 'Scottish Historic Environment Policy'. Edinburgh

Through the implementation of the SHEP, Scottish Ministers wish to achieve three outcomes for Scotland's historic environment:

- i. that the historic environment is cared for, protected and enhanced for the benefit of our own and future generations;
- ii. to secure greater economic benefits from the historic environment; and
- iii. that the people of Scotland and visitors to our country value, understand and enjoy the historic environment.

### Scottish Planning Policy (SPP)

- 9.10 Historic environment assets include sites with statutory and non-statutory designations as set out in SPP<sup>3</sup>.
- 9.11 Assets with statutory designations relevant in the context of this assessment include:
- Scheduled Ancient Monuments;
  - Listed Buildings; and
  - Conservation Areas.
- 9.12 Assets with non-statutory designations relevant in the context of this assessment include:
- Gardens and Designed Landscapes; and
  - Other Historic Environment interests.
- 9.13 There are no World Heritage Sites, no Designated Shipwrecks and no Historic Battlefields that would be affected by the proposed Inverclyde wind farm.

### Sites with Statutory Designations

#### *Scheduled Monuments*

- 9.14 Under the Ancient Monuments and Archaeological Areas Act 1979 (1979 Act)<sup>4</sup>, the Scottish Ministers are required to compile and maintain a schedule of monuments considered to be of importance. The consent of the Scottish Ministers is required before any works are carried out which would have the effect of demolishing, destroying, damaging, removing, repairing, altering, adding to, flooding or covering up a Scheduled Monument. In addition, effects of proposed developments form an important consideration in the granting or refusal of planning consent to conduct development works.

#### *Listed Buildings*

- 9.15 Under the Planning (Listed Buildings and Conservation Areas) (Scotland) Act 1997 (1997 Act)<sup>5</sup>, the Scottish Ministers are required to compile a list of buildings of special architectural or historic interest. Such buildings are classified into Categories A, B and C, in decreasing order of importance. Planning authorities and the Scottish Ministers are required to have special

regard for the desirability of preserving Listed Buildings and their settings, and any features of special architectural or historic importance they possess.

### Conservation Areas

- 9.16 Under the 1997 Act<sup>6</sup>, areas of special architectural or historic interest can be designated as Conservation Areas, the character or appearance of which it is desirable to preserve or enhance. Planning Authorities are required to carefully consider planning applications affecting the appearance, character or setting of Conservation Areas.

### Sites with Non-Statutory Designations

#### *Gardens and Designed Landscapes*

- 9.17 Although the designation is non-statutory, the effect of a development on a designated Garden or Designed Landscape listed in 'An Inventory of Gardens and Designed Landscapes in Scotland or its Supplements' (Inventory; published by Historic Scotland) is a material consideration in the determination of a planning application. Under the provisions of the Town and Country Planning (General Development Procedure)<sup>7</sup>, planning authorities must consult Historic Scotland on any development that may affect a site contained in the Inventory. Non-Inventory Historic Gardens and Designed Landscapes that do not merit inclusion in the Inventory are designated by the local council and are included in Local Plans.

#### *Other Historic Environment Interests*

- 9.18 There is a range of other non-designated archaeological sites, monuments and areas of historic interest, including battlefields, historic landscapes, other gardens and designed landscapes, woodlands and routes such as drove roads that do not have statutory protection. Sites without statutory protection are curated by the local planning authority. SPP<sup>8</sup> and Planning Advice Note (PAN) 2/2011<sup>9</sup> provide national planning policy guidance and advice on the treatment of such assets.
- 9.19 SPP<sup>10</sup> requires that planning authorities ensure that development plans provide a framework for the protection, conservation and enhancement of the historic environment to allow the assessment of the effect of a development on the historic environment and its setting (para 112).

### PAN 2/2011; Planning and Archaeology

- 9.20 PAN 2/2011 (PAN 2)<sup>11</sup> advises that, in determining planning applications, planning authorities should take into account the relative importance of archaeological sites (para 5). It also notes that in determining planning applications that may affect archaeological features or their

<sup>3</sup> HM Government (2011) 'Scottish Planning Policy'. Edinburgh

<sup>4</sup> HM Government (1979) 'Ancient Monuments and Archaeological Areas Act 1979' (reprinted 1996). HMSO London.

<sup>5</sup> HM Government (1997) 'Planning (Listed Buildings and Conservation Areas) (Scotland) Act' 1997. HMSO, London.

<sup>6</sup> HM Government (1992) 'Town and Country Planning (General Development Procedure) (Scotland) Order 1992' (1992 Order), HMSO, London

<sup>7</sup> Scottish Government (2011) 'Scottish Planning Policy'. Edinburgh

<sup>8</sup> Scottish Government (2011) 'Planning Advice Note (PAN) 2/2011: Planning and Archaeology'. Edinburgh

<sup>9</sup> Scottish Government (2011) 'Scottish Planning Policy'. Edinburgh

<sup>10</sup> Scottish Government (2011) 'Planning Advice Note (PAN) 2/2011: Planning and Archaeology'. Edinburgh

setting, planning authorities may on occasion have to balance the benefits of development against the importance of archaeological features (para 6). The desirability of preserving a monument (whether scheduled or not) is a material consideration and the objective should be to assure the protection and enhancement of monuments by preservation in situ, in an appropriate setting. When preservation in situ is not possible, recording and/or excavation followed by analysis and publication of the results may be an acceptable alternative (para 14).

## Regional Policy

### Glasgow and Clyde Valley Strategic Development Plan (2012)

9.21 The Strategic Development Plan (SDP)<sup>12</sup> sets out a development strategy and a policy framework over the next 20 years for the Glasgow and the Clyde Valley city region. The Plan contains no policies relevant or specific to the historic environment; with detailed policy making devolved to local planning.

## Local Policy

### Inverclyde Local Plan (2006)

9.22 Through the Inverclyde Local Plan<sup>13</sup>, Inverclyde Council (the Council) will seek to protect, conserve and enhance built heritage resources where practicable, for future generations. However, the Council accepts that there may be occasions where other matters may justifiably be given greater weight and development may be allowed to proceed. In such circumstances, every effort will be made to minimise the effect of the development on the built heritage.

9.23 Under Policy HR1 'Designated Environmental Resources and Built Heritage', the Council states that development that would adversely affect, directly or indirectly, the natural or built heritage resources listed in Schedule 9.1 and where indicated, on the Proposals Map, will not normally be permitted.

Having regard to the designation of the environmental resource and built heritage, exceptions will only be made where:

- the social and economic benefits of the scheme outweigh the total or partial loss of the environmental resource;
- The developer has demonstrated that the effect of the development on the environment will be minimised; and the loss can be compensated by habitat creation/site enhancement elsewhere, and where there are satisfactory arrangements to achieve this.

9.24 Under Policy HR15 'The Setting of Listed Buildings', the development would be required to have due regard to the effects on the setting of, and principal views from, Listed Buildings and shall be without detriment to their principal elevations and the main approaches to them.

9.25 Under Policy HR18 'Development Affecting Archaeological Sites', development on or adjacent to Scheduled Ancient Monuments, other archaeological sites and industrial archaeological

resources, would normally only be permitted where there is no adverse effect on the resource. Where development is permitted affecting sites of archaeological importance, conditions will be attached to planning consents to allow for excavation and recording before or during development. The Council would require developers to fund such works.

9.26 Under Policy UT6 'Renewable Energy Infrastructure', the Council state that in assessing proposals for renewable energy infrastructure, Inverclyde Council, as Planning Authority, will have regard to the impact on the natural environment and built heritage of the locality.

### Supplementary Guidance

9.27 Under Policy UT6A 'Wind Farms of 20 MW and Above', the Council states that Wind farms with an output of 20 MW and over will be supported where:

- the objectives of international natural heritage designation are not compromised or where the proposed development is likely to have an adverse effect; there is no alternative solution; and there are imperative reasons of over-riding public interest, including those of a social or economic nature;
- the proposed development does not have an unacceptable adverse impact directly on the built heritage of the area or its setting;

## Issues Identified During Consultation

9.28 Consultation responses relevant to this assessment were received from HS,<sup>14</sup> WoSAS and Inverclyde Council in response to the request made for a Scoping Opinion.

9.29 Further, post-scoping consultation responses on historic environment matters were received from HS and WoSAS. A summary of the responses is provided in Table 9.1.

**Table 9.1 Issues identified during consultation**

Consultee	Issue	Where/How this is addressed
HS (Formal Scoping; 21.02.13)	Potential direct and indirect effects on the following monuments: <ul style="list-style-type: none"> <li>- Lurg Moor Roman fortlet and Roman road (1653);</li> <li>- Lurg Moor hut circle (12800).</li> </ul>	Direct effects on both assets avoided through design. Indirect effects assessed in 'Residual Operational Effects' section, paragraphs 9.144 to 9.171, Tables 9.9 and 9.11, Technical Appendix 9.2: Historic Environment Assets within 10 km of the site, and Figures 9.4-9.13).
HS (Formal Scoping; 21.02.13)	The following additional assets should also be considered in terms of effects on their setting and visualisations from these assets should be provided to support the assessment:	See 'Residual Operational Effects' section, paragraphs 9.144 to 9.171, Tables 9.9 and 9.11, Technical Appendix 9.2: Historic Environment Assets within 10 km of the site, and Figures 9.4-9.13).

<sup>12</sup> Glasgow and the Clyde Valley Strategic Development Planning Authority (GCVSDPA Core Team) (2012) 'Glasgow and Clyde Valley Strategic Development Plan, Glasgow

<sup>13</sup> Inverclyde Council (2006) 'Inverclyde Local Plan', Greenock

<sup>14</sup> WoSAS ceased to be providers of advice on heritage matters with effect from the beginning of April 2013. However, as much of the advice was provided prior to the beginning of April it is retained in the assessment.

Consultee	Issue	Where/How this is addressed
	<ul style="list-style-type: none"> <li>Dowries cairn 495m SW of(12838);</li> <li>Muiredge cairn 1050m W of (12854);</li> <li>Dumbarton Castle (90107) and Category A Listed Building (24880);</li> <li>Finlaystone House Category A Listed Building (13641) and GDL;</li> <li>Duchal House Category A Listed Building (12463) and GDL</li> </ul>	LVIA VP 2, Figure 6.26, provides a photomontage from Dumbarton Castle.
HS (Formal Scoping; 21.02.13)	<p>Requested photomontages from:</p> <ul style="list-style-type: none"> <li>Lurg Moor Roman fortlet, and from the north of the fortlet;</li> <li>Lurg Moor hut circle;</li> <li>Dowries cairn and</li> <li>Dumbarton Castle.</li> </ul> <p>Requested that if Muiredge cairn, Finlaystone House, and Duchal House fall within the ZTV photomontages also be produced for those locations.</p>	<p>Photomontage from Lurg Moor Roman fortlet has been produced (Figure 9.4). LVIA viewpoints (VP's 8, 9, 21-22 and 19, Volume 3) provide additional visual aids.</p> <p>Wireframes from those other assets within the ZTV have been produced (Table 9.10 and Figures 9.4-13).</p> <p>Duchal House (12463) does not fall within the site ZTV.</p>
HS (Formal Scoping; 21.02.13)	Advised caution using a 10 km radius for the identification of external receptors within the ZTV.	No heritage assets beyond 10 km specified by HS for assessment. WoSAS content with 10 km study radius (see below).
HS (Formal Scoping; 21.02.13)	Recommended that cumulative effects on the settings of heritage should also be assessed.	See 'Cumulative Effects' section and Figure 9.3
WoSAS (Formal Scoping; 13.02.13)	Any assessment should consider features beyond the site to gain an understanding of the archaeological activity on Lurg Moor and the potential for any previously unrecorded material to survive within the site.	See 'Historic Landscape Character' section and 'Archaeological Potential' section, paragraphs 9.106 to 9.116.
WoSAS (Formal Scoping; 13.02.13)	NSR sites of potential schedulable quality should be considered as part of the assessment of effects on setting.	See ZTV Figure 9.2, and Technical Appendix 9.2: Historic Environment Assets within 10 km of the site. .
WoSAS (Formal Scoping; 13.02.13)	Any environmental statement produced should include measures to mitigate direct effects on known heritage assets, and on any potential surviving buried remains that may be impacted upon during construction.	See 'Mitigation' section, paragraphs 9.1271 to 9.1351.
WoSAS (Formal Scoping; 13.02.13)	Visualisations should be included to support the assessment of effects	Photomontage from Lurg Moor Roman fortlet has been produced

Consultee	Issue	Where/How this is addressed
	on setting.	(Figure 9.4). See also wireframes, Figure 9.5-13. LVIA viewpoints (VP's 8, 9, 21-22 and 19, Volume 3) provide additional visual aids.
WoSAS (Formal Scoping; 13.02.13)	Potential effects on the setting of Lurg Moor Roman Fort.	Indirect effects assessed in 'Residual Operational Effects' section, paragraphs 9.147 to 9.149, Tables 9.9 and 9.11, Technical Appendix 9.2: Historic Environment Assets within 10 km of the site, and Figures 9.4-9.13).
IC (Formal (combined) Scoping; 07.03.13)	Endorsed the scoping opinions presented by both HS and WoSAS (see above).	Noted.
WoSAS (Further Consultation; 25.02.13)	Agreed that a 10 km radius for the identification of external receptors was an acceptable distance.	Noted. See ZTV, Figure 9.2. No heritage assets beyond 10 km specified by either HS or WoSAS for assessment.
WoSAS (Further Consultation; 25.02.13)	Requested visualisations for: <ul style="list-style-type: none"> <li>Lurg Moor hut circle (12800)</li> <li>Garvock cairn (12829);</li> <li>Muiredge cairn (12854),</li> <li>Hillside roundhouses (12868) and</li> <li>Glen of Hecklemoor cairn (5951)</li> </ul>	See Figures 9.6, 9.8, 9.10, 9.11 and 9.13.
WoSAS (Further Consultation; 25.02.13)	The recorded hut circles on Lurg Moor (including Lurg Moor Hut circle (12800)) be considered as parts of an interrelated archaeological later prehistoric settlement landscape, which should be considered for effects on setting.	See 'Residual Operational Effects' section, paragraphs 9.165 to 9.171.
HS (Further Consultation; email 20.04.13)	Content with viewpoint locations and representations for Finlaystone House and for Duchal House and GDL. Recommended photomontage (not wireframe) from Lurg Moor hut circle (12800)	Noted
IC (Further Consultation 18.04.13)	No additional viewpoints required over and above what Historic Scotland have identified.)	Noted.-

## ISSUES SCOPED OUT – direct effects during operation

### Assessment Methodology

#### Baseline Characterisation

- 9.30 A desk-based study and walk-over field survey were undertaken in order to characterise the historic environment baseline of the site and to assess the site's potential historic environment sensitivity.
- 9.31 The Lurg Moor and Corlic Hill area has been the focus for research by a local interest group (Inverclyde Archaeology Project, <https://www.facebook.com/pages/Inverclyde-Archaeology-Project>), interested in the archaeology and history of the local area. Some of this research, conducted by individuals affiliated with the group, has resulted in the identification of several cultural heritage assets (such as potential hut circles), which have subsequently been reported to WoSAS for inclusion in the HER. Those sites lying within the proposed site boundary and which form part of the HER database, have thus formed part of the desk-based collation of baseline data, and have been taken into consideration in the assessment. A full field survey, based on the collation of desk-based information, has been undertaken to inform the professional impact assessment undertaken as part of this Environmental Statement.

9.32

#### Data Collection

##### Desk-based Assessment

- 9.33 A number of information sources were consulted as part of the desk-based assessment work. These include:
- details of the locations and extents of Scheduled Monuments, Listed Buildings, Gardens and Designed Landscapes and Conservation Areas were downloaded, in GIS from the Historic Scotland Data Warehouse<sup>15</sup>;
  - the Royal Commission on the Ancient and Historical Monuments of Scotland database<sup>16</sup>;
  - West of Scotland Historic Environment Record (HER);
  - Ordnance Survey maps (principally 1st and 2nd Edition), and other published historic maps held in the Map Library of the National Library of Scotland;
  - aerial photographs held by the Royal Commission on the Ancient and Historical Monuments of Scotland;
  - published bibliographic sources, including historical descriptions of the area (including Statistical Accounts)<sup>17</sup>;

<sup>15</sup> Historic Scotland (2011) Spatial Data Warehouse, [online GIS downloader], Available from <http://tsewfs.sedsh.gov.uk/gisdl.html> Accessed March 2011

<sup>16</sup> RCAHMS Pastmap <http://jura.rcahms.gov.uk/PASTMAP/start.jsp>. Accessed October 2012

<sup>17</sup> New Statistical Account (1834-45) Parish of Kilmacollm, Vol. 7, p.56-62

New Statistical Account (1834-45) Parish of Old Greenock, Vol. 7, p.405-494

- the Scottish Palaeoecological Database (SPAD)<sup>18</sup>; and,
- the Historic Land-use Assessment Data for Scotland (HLAmap)<sup>19</sup>.

#### Field Survey

- 9.34 Reconnaissance field surveys of the proposed development site (equating to a RCAHMS Level 1 survey) were undertaken over two days in November 2012.
- 9.35 The aims of the field survey were to:
- To assess the present baseline condition of the known archaeology and heritage features identified through the desk-based assessment;
  - To identify any further features of historic environment interest not detected from the desk-based assessment; and,
  - To identify areas with the potential to contain currently unrecorded buried archaeological remains.
- 9.36 The positions of identified assets (and where appropriate their extents) were logged using a Mobile Mapper GPS Navigator system accurate to around +/- 1-2 m. The baseline condition of identified assets was recorded on pro-forma monument recording sheets and by digital photography.

### Method of Assessment

#### Assessing Significance

- 9.37 The importance of historic environment assets reflects the relative weight given to them in SPP<sup>20</sup> and SHEP<sup>21</sup>. Table 9.2 summarises the relative importance of historic environment assets.

**Table 9.2 Heritage Importance of Historic Environment Assets**

Heritage Importance	Definition/Criteria
National	Sites of national or international importance, including: <ul style="list-style-type: none"> <li>• World Heritage Sites</li> <li>• Scheduled Monuments, and sites proposed for scheduling</li> <li>• Category A Listed Buildings</li> <li>• Gardens and Designed Landscapes (Inventory sites)</li> <li>• Outstanding Conservation Areas</li> <li>• Designated Wreck Sites</li> </ul>

Old Statistical Account (1791-99) Parish of Kilmacollm, Vol. 4, p.274-279

Old Statistical Account (1791-99) Parish of Old Greenock, Vol. XL, p.559-568

<sup>18</sup> Coles, G.M., Gittings, B.M., Milburn, P. and Newton, A.J. (1998) Scottish Palaeoecological Archive Database [online], available from <http://www.geo.ed.ac.uk/spad/> Accessed October 2012

<sup>19</sup> RCAHMS (2011) Historic Land-Use Assessment for Scotland (HLAmap) [online], available from <http://www.rcahms.gov.uk>

<sup>20</sup> Scottish Government (2011) 'Scottish Planning Policy'. Edinburgh

<sup>21</sup> Scottish Government (2011) 'Scottish Historic Environment Policy'. Edinburgh

	<ul style="list-style-type: none"> <li>Historic Battlefields (Inventory sites)</li> </ul>
Regional	Sites of regional importance, including: <ul style="list-style-type: none"> <li>Archaeological sites and areas of distinctive regional importance</li> <li>Category B Listed Buildings</li> <li>Conservation Areas</li> <li>Undesignated archaeological sites and areas of identified in Council HER as Non-Statutory Register Sites (NSR sites)<sup>22</sup></li> </ul>
Local	Sites of local importance, including: <ul style="list-style-type: none"> <li>Archaeological sites of local importance</li> <li>Category C Listed Buildings</li> <li>Unlisted historic buildings and townscapes with local (vernacular) characteristics</li> </ul>
Lesser	Sites of little or no importance, including: <ul style="list-style-type: none"> <li>Sites of former archaeological features</li> <li>Unlisted buildings of minor historic or architectural interest;</li> <li>Poorly preserved examples of particular types of feature</li> </ul>

### Assessment of Construction Effects

#### Criteria for Assessing Magnitude of Construction Effects

9.38 Criteria for assessing the magnitude of a construction effect, which measures the degree of change to the baseline condition of the heritage asset that could result from the construction of one or more elements of the proposed development, are presented in Table 9.3.

**Table 9.3 Magnitude of Construction Effects**

Level of Magnitude	Definition/Criteria
High	A major effect fundamentally changing the baseline condition of the heritage asset, leading to total or major alteration of character.
Medium	A moderate effect changing the baseline condition of the heritage asset materially but not fundamentally, leading to partial alteration of character.
Low	Minor detectable effects which do not alter the baseline condition of the heritage asset materially.
Imperceptible	A very slight and barely distinguishable change from baseline conditions.

#### Criteria for Assessing Significance of Construction Direct Effects

9.39 The importance of the asset defined (Table 9.2) and the magnitude of the predicted effect (Table 9.3) are then used to inform the professional judgment of the likely significance of the direct effect. Table 9.4 summarises the criteria for assigning significance of a direct effect.

<sup>22</sup> NSR sites were identified in some Local Authority areas through a Historic Scotland funded project in the 1980s. In most cases the designations have not been verified by further field inspections and Historic Scotland does not rely solely, or mainly, on such designations when selecting sites for scheduling. Nevertheless, it is recognised that such designations denote potentially important archaeological sites and features and that they should be considered to be important assets. In recognition of this, assets with such designations (whilst they have no statutory protection equivalent to Scheduled Monuments) are considered in the assessment as being of regional importance and medium heritage value.

**Table 9.4 Matrix for Assessing Significance of Direct (Construction) Effects**

Magnitude of Effect ▼	Importance of Asset ►			
	National	Regional	Local	Lesser
High	Major	Major	Moderate	Minor
Medium	Major	Moderate	Minor	Negligible
Low	Moderate	Minor	Negligible	Negligible
Imperceptible	Minor	Negligible	Negligible	Negligible

9.40 Major and moderate effects are considered to be 'significant' in the context of the Town and Country Planning (Environmental Impact Assessment) (Scotland) Regulations 2011 (EIA Regulations)<sup>23</sup>. Minor and negligible effects are not significant.

### Assessment of Operational Effects

#### Identification of External Assets and Characterisations of their Settings

9.41 Historic Scotland's guidance document, Managing Change in the Historic Environment: Setting<sup>24</sup>, notes that: "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. Setting often extends beyond the immediate property boundary of a historic structure into the broader landscape". The guidance also suggests that if a proposed development is likely to affect on the setting of a historic environment asset, an objective written assessment should be prepared by the applicant to inform the decision-making process. The conclusions drawn should take into account the significance of the historic asset and its setting and attempt to quantify the extent of any detrimental effect. The methodology and level of information should be tailored to the circumstances of each case.

9.42 Scheduled Monuments, Category A and B Listed Buildings, Conservation Areas, and Inventory status Gardens and Designed Landscapes within 10 km of the proposed development are all considered; assessment of effects on Category C Listed Buildings is restricted to those within 5 km of the proposed development as these are all generally minor vernacular building types of the local historic environment, with localised geographical settings. Non Statutory Register Sites (NSR sites<sup>25</sup>) identified in the relevant Local Authority archives and within 10 km of the proposed development have also been taken into consideration.

9.43 The baseline setting of each relevant asset or related group of assets is characterised on a case-by-case basis. Characterisation of setting of an asset is based upon its properties and

<sup>23</sup> Scottish Government (2011) 'Town and Country Planning (Environmental Impact Assessment) (Scotland) Regulations 2011'. Edinburgh

<sup>24</sup> Historic Scotland (2010) 'Managing Change in the Historic Environment – Setting'. Edinburgh

<sup>25</sup> NSR sites were identified in some Local Authority areas through a Historic Scotland funded project in the 1980s. In most cases the designations have not been verified by further field inspections and Historic Scotland does not rely solely, or mainly, on such designations when selecting sites for scheduling. Nevertheless, it is recognised that such designations denote potentially important archaeological sites and features and that they should be considered to be important assets. In recognition of this, assets with such designations (whilst they have no statutory protection equivalent to Scheduled Monuments) are considered in the assessment as being of regional importance and medium heritage value.



location, and takes into account the factors identified in the guidance issued by Historic Scotland. The baseline setting of each asset is characterised principally in terms of the:

- archaeological / historical context of the asset;
- current landscape and visual surroundings of the asset;
- aesthetic and experiential properties of the asset within its surrounding; and
- social value (actual or potential) of the asset as a recreational / leisure or education resource.

9.44 For each asset where a potential effect on setting has been identified, the assessment of possible effects should adopt a four-stage approach:

- identification of the characteristics of the setting of the asset;
- assessment of the sensitivity of that setting;
- identification of how the presence of the proposed development would affect that setting (magnitude of effect); and,
- assessment of significance of effect.

9.45 The assessment of magnitude of effect has been based on analysis of a blade tip height ZTV, taking into account the distance of the assessed asset from the proposed Inverclyde wind farm, the number of blade tips theoretically visible and the present baseline setting of each asset. The ZTV model is, however, based on bare-earth surface topography and maximum blade-tip heights. It takes no account of obstructions to intervisibility caused by existing forestry and other vegetation or buildings and other man-made features. Therefore, professional judgment has been used to assess the significance of effects informed by the ZTV.

*Criteria for Assessing Sensitivity of Setting (for indirect operational effects)*

9.46 Sensitivity of setting has been assessed by considering two factors:

- the relative weight which statute and policy attach to the asset and its setting (Table 9.2); and,
- the degree to which the baseline setting contributes to the understanding and/or appreciation, and hence value, of the asset (Table 9.5).

9.47 The relative weight that statute and policy attach to the asset and its setting is determined using the importance of archaeological and heritage assets set out in Table 9.2. The degree to which the baseline setting contributes to the understanding and/or appreciation of the asset has been assessed according to the criteria set out in Table 9.5.

**Table 9.5 Contribution of Setting to Understanding and Appreciation of Asset**

Contribution of Setting	Definition/Criteria
High	A setting which makes a strong positive contribution to the understanding and/or appreciation of the siting and/or historical/archaeological/architectural context of a receptor. E.g. a prominent topographic location; surroundings that include related monuments in close association; surroundings that are believed to be little changed from those when the receptor was created.
Moderate	A setting which makes some positive contribution to the understanding and/or appreciation of the siting and/or historical/archaeological/architectural context of a receptor. E.g. surroundings that complement the siting and appearance of a receptor, such as the presence of a feature of the rural past within a more recent farming landscape containing little or no urban or industrial development.
Low	A setting which makes little positive contribution to the understanding and/or appreciation of the siting and/or historical/archaeological/architectural context of a receptor. E.g. where surroundings only partially complement the siting and appearance of a receptor, such as the presence of a feature of the rural past within a partly urbanised or industrialised landscape.
Negligible	A setting which does not contribute positively to the understanding and/or appreciation of the siting and/or historical/archaeological/architectural context of a receptor. E.g. immediate surroundings, such as of a commercial coniferous single species woodland or industrial development, that are not relevant to understanding the context of the receptor.

9.48 These two sets of criteria (Tables 9.2 and 9.5) are combined to assess the overall sensitivity of a setting, as set out in Table 9.6.

**Table 9.6 Sensitivity of Setting of a Receptor**

Importance of Asset ▼	Contribution of Setting ►			
	High	Moderate	Low	Negligible
National	High	High	Medium	Low
Regional	High	Medium	Low	Low
Local	Medium	Low	Low	Low

*Criteria for Assessing Magnitude of Effects on Setting*

9.49 Where it has been determined that the setting of an asset is such that there is no potential for it to be effected by the presence of the proposed development the asset is not considered further in the assessment. For the remaining assets, the magnitude of effect on setting was assessed according to the thresholds set out in Table 9.7.

**Table 9.7 Magnitude of Effects on Setting**

Level of Magnitude	Definition/Criteria
High	Fundamental material effects obviously changing the surroundings of a receptor, such that its baseline setting is substantially or totally altered.
Medium	Effects discernibly changing the surroundings of a receptor, such that its baseline setting is partly and materially altered.
Low	Slight, but detectable effects that do not alter the baseline setting of the receptor materially.
Imperceptible	A very slight and barely distinguishable change from baseline conditions.

*Criteria for Assessing Significance of Effects on Setting*

9.50 The significance of an effect on setting depends on both the magnitude of effect and the sensitivity of the setting of the receptor. Table 9.8 presents the matrix that was used to inform the determination of the significance of effects on setting.

**Table 9.8 Significance of Effect on Setting**

Magnitude of Effect ▼	Sensitivity of Setting ►		
	High	Medium	Low
High	Major	Major	Minor
Medium	Major	Moderate	Minor
Low	Minor <sup>26</sup>	Minor	Negligible
Imperceptible	Negligible	Negligible	Negligible

9.51 Major and moderate effects are considered to be significant in terms of the EIA Regulations. Minor and negligible effects are not significant.

**Cumulative Assessment**

9.52 The assessment of cumulative effects on historic environment is based upon consideration of the effects of the proposed Inverclyde wind farm on the settings of assets with statutory and non-statutory designations within 10 km of the proposed development, in addition to the likely effects of other Cumulative developments within 15 km of the site (Figure 9.3). The assessment takes into account the relative scales, (i.e. size, and number of turbines), of the various other developments, their distances from the affected assets, and the potential degree of visibility from the assets of the various developments.

**Significance Criteria**

9.53 Significance of effect on heritage assets is classified above as major, moderate, minor or negligible. Definitions of these classifications are defined below in Table 9.9.

<sup>26</sup> A non-material change to baseline conditions cannot by its nature lead to a significant effect. A significant effect arises from a material change to baseline conditions. This distinction explains why this particular assessment finding is 'minor' significance and not 'moderate'.

**Table 9.9 Definition of Significance Criteria**

Level of Significance	Definition
Major	A change to the fabric or setting that leads to a substantial and material effect on the character, quality or context of a receptor.
Moderate	Changes to the fabric or setting that lead to a partial and material effect on the character, quality or context of a receptor.
Minor	Changes to the fabric or setting that lead to a detectable but non-material effect on the character, quality or context of a receptor.
Negligible	Changes to the fabric or setting that lead to, at most, a negligible effect on the character, quality or context of a receptor.

9.54 Major and moderate effects are significant in terms of the EIA Regulations, whilst minor and negligible effects are considered not significant

**Baseline Conditions**

9.55 Fifty heritage assets of varying levels of importance have been identified within the initial site study area. The location and extents of these are shown on Figure 9.1, and details of their character and baseline condition are provided in Technical Appendix 9.1: Historic Environment Assets within the initial site study area together with a classification of the heritage importance of each.

9.56 Numbers in brackets in the following text, refer to site numbers depicted on Figure 9.1 and listed in Technical Appendix 9.1: Historic Environment Assets within the initial site study area.

9.57 There are no Scheduled Monuments within the site, but two Scheduled Monuments present within the initial site study area: Lurg Moor Hut circle (9, 12800) and a Roman Fortlet and associated section of Roman Road (12, 1653). There is one NSR site (10, 5910) within the site. There are no Listed Buildings within the site, and no part of the development would lie within a Garden and Designed Landscape, Historic Battlefield, Conservation Area, or Non-Inventory Designed Landscape.

9.58 The HER and RCAHMS database contain records for 23 heritage assets (1-15, 18, 21-24, 49, and 50) within the initial site study area.

9.59 Examination of historical maps identified six additional heritage features that are not recorded elsewhere (16, 17, 19, 25, 33 and 47), and provided further information on the site. Pre-Ordnance Survey maps (Roy<sup>27</sup> and Ainslie<sup>28</sup>) depict three settlements or farmsteads which are also later recorded, in more detail, on Ordnance Survey 1st Edition mapping<sup>29</sup> (Corlick Hill (15);

<sup>27</sup> Roy, W. (1747-55) Military Survey of Scotland

<sup>28</sup> Ainslie, J. (1796 and 1821) Map of the County of Renfrew and Ainslie's map of the southern Part of Scotland

<sup>29</sup> Ordnance Survey 1<sup>st</sup> Edition map (1864) Renfrewshire Sheet VI and Sheet 11 and Dumbartonshire sheet XXI, six inches to one mile

Harelaw (19) and East Douglehills (24)). The Ordnance Survey 1st and 2nd Edition maps<sup>30</sup> depict the land within the site as a mix of enclosed and unenclosed moorland and rough pasture. The land in which the proposed access route is located (the site east of the B788 road) is shown as largely enclosed farmland.

- 9.60 Examination of aerial photographs<sup>31</sup> and modern photographic imagery<sup>32</sup> identified areas of former rig and furrow cultivation associated with the former farms of Corlick Hill<sup>33</sup> (15) and Harelaw (19), together with another area of rig and furrow (39) to the southeast of Corlick Hill farmstead (15).
- 9.61 Documentary Sources<sup>34</sup> provided general background information.
- 9.62 The Scottish Palaeoecological Database (SPAD)<sup>35</sup> does not record any locations with palaeoecological interest within the site; the nearest, a former raised mire, is recorded at Greenock (230700 675200), approximately 1.5-2 km to the NNE of the site boundary.
- 9.63 The Historic Land-use Assessment Data for Scotland (HLAMap<sup>36</sup>) records that much of the land within the initial site study area remained relatively undeveloped, used today as unimproved rough grazing; with areas of 19th-20th century improved, enclosed and unenclosed ground forming the bulk of the land through which the proposed access route travels.
- 9.64 Field survey allowed the character and condition of the sites and features identified through desk-based assessment to be assessed. An additional 20 features were recorded during field survey (26-32; 34-46 and 48).
- 9.65 The historic environment sites and features identified by the study are discussed thematically below.

## Current Baseline

### The site: proposed Inverclyde wind farm

#### Prehistoric Features

- 9.66 There are several recorded prehistoric remains within the initial site study area, these having been initially identified as later prehistoric hut circle remains. However, many of the features

<sup>30</sup> Ordnance Survey 1<sup>st</sup> Edition map (1864) Renfrewshire Sheet VI and Sheet 11, and Dumbartonshire sheet XXI, six inches to one mile; Ordnance Survey 2<sup>nd</sup> Edition map (1898) Renfrewshire Sheets II.SW, II.SE, VI.NW, six inches to one mile

<sup>31</sup> 106G/UK/0988 (09.05.45) 3250, 4331, held at RCAHMS, B0097, 1:5,080; 106G/UK/1027 (26.11.45) 4068, 5161, held at RCAHMS, B0005, 1:10,500; 106G/UK/0092 (15.05.46) 3016-22, held at RCAHMS, B0097, 1:10,200; 58/1453 (31.05.54) 0278-0284, held at RCAHMS, B0376, 1:10,000

<sup>32</sup> Google™ (2011) Google maps [online], Available from maps.google.co.uk Accessed October/February 2012

<sup>33</sup> Corlick Hill, spelled locally as Corlic Hill, but named as Corlick Hill in Ordnance Survey mapping and in heritage records

<sup>34</sup> New Statistical Account (1834-45) Parish of Kilmacolm, Vol. 7, p.56-62

New Statistical Account (1834-45) Parish of Old Greenock, Vol. 7, p.405-494

Old Statistical Account (1791-99) Parish of Kilmacolm, Vol. 4, p.274-279

Old Statistical Account (1791-99) Parish of Old Greenock, Vol. XL, p.559-568

<sup>35</sup> Coles, G.M., Gittings, B.M., Milburn, P. and Newton, A.J. (1998) Scottish Palaeoecological Archive Database [online], available from <http://www.geo.ed.ac.uk/spad/> Accessed October 2012

<sup>36</sup> RCAHMS (2011) Historic Land-Use Assessment for Scotland (HLAMap) [online], available from <http://www.rcahms.gov.uk>

recorded in the HER and RCAHMS database as potentially being prehistoric hut circles may in fact be either natural, of a later date, or so poorly preserved as to inhibit their firm identification on the ground.

#### Hut circles

- 9.67 There are eight recorded hut circles within the initial site study area (5-7, 9, 10, 13, 14, and 30); of these, one (9) is a scheduled monument (12800). This hut circle was found to be in fair condition, and comprising of a ring of large, turf covered boulders, forming a circle measuring 8 m internal diameter with an entrance on the eastern side. A second hut-circle (30) was identified during the field survey, of similar form and dimensions measuring 7 m in diameter internally with an entrance on the southeast side; a small section of L-shaped, turf-covered wall, possibly an annex, (or later structure), was found attached to the eastern side of the entrance. These hut-circles are considered to be of national (9), and regional (30) heritage importance respectively.
- 9.68 Newall<sup>37</sup> (1964) records a hut circle and the fragmentary remains of two other structures immediately adjacent, together with a mound to the northwest (10; NSR site.5910. Field survey identified the described structures as the poorly preserved and turf-covered remains of a circular feature measuring 4.5 m in diameter, entered from the south; the remains of a second sub-circular/circular structure probably originally of similar dimensions, and now defined by an arc of stones; and, the remains of a sub-rectangular structure measuring at least 4 m by 3 m. The nature, form and dimensions of these structures are more suggestive of shieling huts rather than hut circles, although Newall notes the presence of 'fractured stone disc;' within the circular structure, and a 'white flint scraper' found to the south of the arc of stones. The 'mound' to which Newall refers, may be the very poorly preserved remains of a fourth possible structure (38), now preserved as two short parallel lines of stone.
- 9.69 As the baseline nature of the three structures (10) cannot be fully established, and they are poorly preserved, they are considered to be of unknown, but no more than local, heritage importance. The fourth possible structure (38) is considered to be of lesser heritage importance.
- 9.70 The remaining recorded hut circles (5-7, 13 and 14), are likely to be either natural features, or have since been recorded as other features. Three sites (6, 7, and 13) were found to be roughly level areas of ground covered with heather and turf which may be hut-circle platforms, but are more likely to be the result of underlying geology and vegetation cover. A fourth feature (5) was identified as a low knoll, probably natural in origin; and a fifth (14) could not be identified at the grid references cited, although a small quarry (14a) matching the description given was identified further to the south-west. Barring the feature recorded as a quarry (14a), which is considered to be of lesser heritage importance, the remaining features (5-7, and 13) are considered to be of unknown/lesser heritage importance.

#### Mound

<sup>37</sup> Newall, F (1964) 'Early open settlement in Renfrewshire', Proc Soc Antiq Scot, vol.95. Page(s): 160, 164, no.14

9.71 Newall<sup>38</sup> records a mound (8), possibly a hut circle, together with a polished stone axe-head from the same location. Field survey identified a flat-topped turf covered mound measuring 10 m in diameter. No entrance or bank was discernible, but it is possible the feature is a hut-circle with an in-filled centre. As the baseline nature of the feature cannot be fully established, the mound is considered to be of unknown, but no more than local, heritage importance.

#### Lithic Working site

9.72 Newall<sup>39</sup> records that traces of knapping and several worked stone artefacts occur along the length of a rock outcrop (11) to the north and west of the Roman Fortlet (12, 1653). Field survey did not identify a rock outcrop at the grid reference cited (the area being covered with heather), but an extensive outcrop is visible just to the north of the site boundary, running in a roughly north-south direction and forming the western edge of the raised area on which the Roman Fort (12; 1653) is situated. The knapping site is considered to be of local to regional heritage importance.

#### Cairn

9.73 Field survey identified a low turf covered mound (26) located on the summit of a knoll immediately to the south of a mound/hut-circle (8). The function of the cairn is not clear; it could be a small prehistoric burial cairn, but (given its small size) is more likely to be a medieval/post-medieval clearance or marker cairn. The cairn is considered to be of unknown, but no more than local heritage importance.

#### *Roman Features*

9.74 Lurg Moor Roman fortlet and Roman road (12, Scheduled Monument number 1653), is one of the best preserved fortlets in Scotland, and likely formed part of the Roman military infrastructure designed to protect the coastline and hinterland of the Antonine Wall. The fortlet lies just beyond the northern edge of the proposed Inverclyde wind farm site boundary, and is sited on a prominent ridge bordering the northern edge of the upland moorland hinterland. The fortlet commands extensive views northwards over the Firth of Clyde, together with views southwards into the hinterland along what remains visible of the road to south (the postulated line of this road (Newall, 1963<sup>40</sup>) then heads westwards (site 2, Figure 9.1)). The fortlet is defined by well-preserved turf banks; the road, best preserved at its northern end, is visible as a low heather and turf-covered raised terrace. The site is considered to be of national heritage importance.

9.75 Newall (1963) describes the course of the Lurg Moor to Largs Roman Road (2), and records the road as being cambered. The HER and RCAHMS record the course of the road based on Newall's description. No trace of the road could be identified in the field along the route recorded in the HER, although a small, linear section of drier, flatter ground was identified running east to west along the base of a steep scarp and on the edge of a boggy and

waterlogged area of ground. It is possible, but not certain, that this may mark the line of the road. As the route, survival or otherwise and baseline nature of the possible road cannot be definitively established at this time, the road is considered to be unknown, but possibly of local to regional, heritage importance.

#### *Medieval and Later Remains*

##### Farmsteads

9.76 Both Roy<sup>41</sup> and Ainslie<sup>42</sup> annotate two farmsteads: 'Corlick' (15) and 'Hair Law' or 'Harelaw' (19); both shown with associated areas of cultivation. Ainslie<sup>43</sup> also annotates a third farmstead as 'Dougliehill' (24). Farmsteads at these locations are first depicted in detail on the Ordnance Survey 1st Edition map<sup>44</sup> and subsequent Editions the later annotated as 'East Dougliehill'.

9.77 The Ordnance Survey 1st Edition map<sup>45</sup> also shows a second farmstead, West Dougliehill, (HER No. 14985). Ordnance Survey maps shown many groups of farms possessing a common name but distinguished by different prefixes, such as 'Easter', 'Wester', 'Over', and 'Nether'. Documentary evidence suggests that many of these farms originated as a single farmstead/township (as suggested by Roy<sup>46</sup>), but split during the pre-improvement period as a result of patterns of land ownership (subletting of land; division through inheritance), or because of population growth where the township had become too large and complex to manage<sup>47</sup>. The split townships were then amalgamated to single farms during the improvement period<sup>48</sup>.

9.78 The Ordnance Survey 1<sup>st</sup> Edition map depicts Corlick (15) as one unroofed building, one roofed building, and two enclosures. The farmstead is annotated as 'Corlick (Ruin)' suggesting that it had been abandoned by the mid-19th century. Subsequent Ordnance Survey map editions depict both buildings as unroofed. Both the buildings and the enclosures are visible today as dry-stone walled structures, largely upstanding to almost 1 m high, the main farm building itself comprising a substantial rectangular three-compartment structure measuring 23 m in length.

9.79 The Ordnance Survey 1<sup>st</sup> Edition map<sup>49</sup> shows Harelaw (19) comprising of one rectangular building and two enclosures, one of which, to the north of the building, was shown as incomplete on the Ordnance Survey 1st Edition map<sup>50</sup>, and is not shown thereafter. Later Editions show two main farm buildings, and various other smaller enclosures, and a trackway leading from the public road to the west. The farmstead was abandoned sometime during the

<sup>41</sup> Roy, W. (1747-55) Military Survey of Scotland

<sup>42</sup> Ainslie, J. (1796 and 1821) Map of the County of Renfrew and Ainslie's map of the southern Part of Scotland

<sup>43</sup> Ainslie, J. (1796 and 1821) Map of the County of Renfrew and Ainslie's map of the southern Part of Scotland

<sup>44</sup> Ordnance Survey 1<sup>st</sup> Edition map (1864) Renfrewshire Sheet VI and Sheet 11

<sup>45</sup> Ordnance Survey 1<sup>st</sup> Edition map (1864) Renfrewshire Sheet VI and Sheet 11, and Dumbartonshire sheet XXI, six inches to one mile

<sup>46</sup> Roy, W (1747-55) Military Survey of Scotland

<sup>47</sup> Glendinning, M & Wade Martins, S (2008) 'Buildings of the Land: Scotland's Farms 1750-2000' Royal Commissions on the Ancient and Historical Monuments of Scotland

<sup>48</sup> Whyte, I.D. & Whyte, K.A (1991) 'The Changing Scottish Landscape, 1500-1800 (History of the British Landscape)', London: Routledge.

<sup>49</sup> Ordnance Survey 1<sup>st</sup> Edition map (1864) Renfrewshire Sheet VI and Sheet 11

<sup>50</sup> Ordnance Survey 1<sup>st</sup> Edition map (1864) Renfrewshire Sheet VI and Sheet 11, and Dumbartonshire sheet XXI, six inches to one mile

<sup>38</sup> Newall and Newall, A S and F (1968) 'Lurg Moor, East Edge', Discovery Excav Scot Page(s): 40

<sup>39</sup> Newall, F (1959), 'Lurg Moor, Roman fortlet', Discovery and Excavation in Scotland, pp.29; Newall, F (1963) 'Greenock - Inverkip parishes', Discovery Excav Scot Page(s): 43; Newall and Lonie, F and W (1964) 'Inverkip parish', Discovery Excav Scot Page(s): 45

<sup>40</sup> Newall, F (1963) 'Greenock - Inverkip parishes', Discovery Excav Scot Page(s): 43

1980's, as the buildings are shown as unroofed by the 1989 Ordnance Survey map<sup>51</sup>, and only the enclosures are shown on Ordnance Survey digital data<sup>52</sup> from 1998 onwards. Extensive areas of rig and furrow cultivation are visible surrounding the farmstead on aerial photographs from 1945<sup>53</sup>; some of which is still visible on modern satellite imagery<sup>54</sup>. Field survey identified the remains of the farmstead as comprising: the enclosures shown on post-Ordnance Survey 1st Edition mapping<sup>55</sup>, surviving as a mix of drystone walled and post-and-wire fence construction; a slight raised platform area representing the possible remains of the Ordnance Survey 1st Edition building, and a slight rectangular cut into the slope probably indicating the remains of the later building; a shallow rectangular depression marking the extent of the northern enclosure visible on the Ordnance Survey 1st Edition map; a partly surfaced trackway, running to a raised grassy terrace towards the farmstead itself; and, a metal-capped well.

9.80 East Dougliehill (24) is shown on the Ordnance Survey 1st Edition map<sup>56</sup> as comprising a group of four buildings and associated enclosures. Subsequent Editions show a similar layout, minus two buildings and an enclosure. Ordnance Survey maps from the 1970's<sup>57</sup> onwards show only one rectangular building, depicted on Ordnance Survey digital data<sup>58</sup> (1998) as L-shaped, within the same basic outline enclosure layout. Field survey found a modern L-shaped building set within improved grass and tree-lined garden, with a fence line marking the boundary of the former enclosures depicted on early Ordnance Survey mapping.

9.81 The farmsteads are all considered to be of local heritage importance.

#### Shieling Huts

9.82 Three structures (37, 41), possibly shieling huts, were identified during the field survey. One (37) survives only as a poorly defined turf and stone bank defining an area measuring approximately 5 m by 3 m, on a level area near the summit of a low hill. The level of preservation makes a definitive interpretation of the feature more difficult, but it is possibly the remains of a shieling hut or a shepherd's bothy. The feature is considered to be of unknown, but no more than local, heritage importance.

9.83 Two conjoined dry-stone walled structures (41), one circular and measuring 3.5 m in diameter, the other largely rubble, but forming a sub-square shape measuring 6 m by 5 m, were identified on the terrace of an east facing slope. Their form and dimensions are suggestive of shieling huts and they are considered to be of local heritage importance.

#### Sheepfolds

9.84 The Ordnance Survey 2nd Edition map<sup>59</sup> depicts a small square unroofed structure attached to a wall (33). The structure was found to be a tumbled dry-stone walled sub-square structure, missing its eastern side, and attached to a dry-stone wall which may represent the remains of an attached enclosure. The structure probably represents the remains of a late 19th century sheepfold as is considered to be of lesser heritage importance.

9.85 A small dry-stone structure (42) measuring 3.5 m by 2 m was identified during field survey, with a possible annex off to the east. The structure may be a small lambing pen, attached to a former field boundary or a shieling hut, and is considered to be of lesser heritage importance.

#### Enclosures

9.86 Newall<sup>60</sup> describes two enclosures: one, a D-shaped enclosure (4a), survives as a substantial turf bank upstanding to 0.4 m high, and has been removed entirely on its north-eastern side; the second (4b) is now preserved only as a linear section of turf bank. Neither of the enclosures is depicted on early Ordnance Survey mapping, and it is likely that the enclosures pre-date the mid 19th century. They are considered to be of local heritage importance.

9.87 Field survey identified the poorly preserved remains of sub-circular enclosure (45) measuring 10 m in diameter and defined by denuded turf banks. The enclosure is located on a level rectangular-shaped platform. The feature is not shown on any Ordnance Survey mapping and it is likely that the enclosure is of pre-mid-19th century date and although poorly preserved, the enclosure and platform are considered to be of local heritage importance.

9.88 The HER and RCAHMS record the remains of a sub-oval enclosure (49), located to the north of a minor east to west aligned old field wall. The site is considered to be of local heritage importance.

#### Field banks; clearance cairns; rig and furrow

9.89 A small section of denuded turf bank (29) was identified during the field survey adjacent to a burn. The bank is likely to be the remains of a former field boundary, and as it is not shown on the Ordnance Survey mapping, pre-dates the mid-19th century. The bank does not survive well and is considered to be of lesser heritage importance.

9.90 Three of these (20-22) were recorded during a previous field survey in advance of quarrying, and two (20 and 22) were subject to further investigation by trial trenching<sup>61</sup>. These were found to be clearance cairns comprising of cobble stones overlying subsoil and were not thought to be of any earlier than post-medieval in date. All three cairns survive now as poorly preserved overgrown low piles of stone within semi-improved pasture and are considered to be of lesser heritage importance.

<sup>51</sup> Ordnance Survey (1989) NS27SW, 1:10,560

<sup>52</sup> Ordnance Survey digital mapping data, available at the National Library of Scotland, accessed October 2012

<sup>53</sup> 106GUK/0988 (09.05.45) 3250, 4331, held at RCAHMS, B0097, 1:5, 080

106GUK/1027 (26.11.45) 4068, 5161, held at RCAHMS, B0005, 1:10,500

<sup>54</sup> Google™ (2011) Google maps [online], Available from maps.google.co.uk Accessed October/February 2012

<sup>55</sup> Ordnance Survey 1<sup>st</sup> Edition map (1864) Renfrewshire Sheet VI and Sheet 11, and Dumbartonshire sheet XXI, six inches to one mile

<sup>56</sup> Ordnance Survey 1<sup>st</sup> Edition map (1864) Renfrewshire Sheet VI and Sheet 11, and Dumbartonshire sheet XXI, six inches to one mile

<sup>57</sup> Ordnance Survey (1970) Sheet NS37SW, 1:10,560

<sup>58</sup> Ordnance Survey digital mapping data, available at the National Library of Scotland, accessed October 2012

<sup>59</sup> Ordnance Survey 2<sup>nd</sup> Edition map (1898) Renfrewshire Sheets II.SW, II.SE, VI.NW, six inches to one mile

<sup>60</sup> Newall, F (1964) 'Early open settlement in Renfrewshire', Proc Soc Antiq Scot, vol.95. Page(s): 160, 164, no.14

<sup>61</sup> White, R (2005), Harelaw Quarry, Port Glasgow (Kilmacolm parish), Evaluation, Discovery and Excavation, Scotland,(2005), pp.91

9.91 Field survey identified the remaining four clearance cairns (32, 44, 46 and 48), three of which are likely to be relatively recent origin. Two in particular (46 and 48) are largely devoid of turf cover and contain some modern rubbish dumping within their matrix. One clearance cairn, a sub-oval spread of stones (32), probable forms the remains of a clearance cairn associated with pre-19th century farming. The clearance cairns are considered to be of lesser heritage importance.

9.92 An area of rig and furrow cultivation (39) is visible on aerial photographs from 1945<sup>62</sup> and on modern satellite imagery<sup>63</sup>. Field survey identified faint traces of relict rig, with a wavelength of 3 m-4 m wide, in an area of slightly improved ground. The rig represents the remnants of former, pre-mid-19th century agricultural practices, but is very poorly preserved and is considered to be of lesser heritage importance.

#### Footpaths and trackways

9.93 A footpath (16) is shown on the Ordnance Survey 1st Edition map<sup>64</sup> and subsequent Editions<sup>65</sup>, running down Burnhead Moor and along the south-eastern base of Corlic Hill. Field survey found the pathway to be largely defined by a relatively well preserved holloway, measuring up to 0.7 m deep in places, with one section roughly metalled and still in use as a farm track. The footpath is also part of Inverclyde Core Paths' network of public footpaths (See Chapter 07: Landscape and Visual), and is considered to be of local heritage importance.

9.94 A short section of poorly preserved trackway (27) was identified during the survey as a slight grassy holloway. The trackway is not depicted on Ordnance Survey mapping and may pre-date the mid-19th century. It is considered to be of lesser heritage importance.

#### Quarries

9.95 Two quarries (28 and 36) were identified during the field survey. One (28) is a small quarried bedrock face, while the other (36) is a sub-circular scoop into the hillside y. The quarries are likely to have been for local use such as construction of dry-stone dykes and are considered to be of lesser heritage importance.

### *Miscellaneous Features*

#### Bomb craters

9.96 The Ordnance Survey record a circular hollow, possibly a bomb crater (1), previously described by Newall<sup>66</sup> as a hut circle. The area in which the site is located was heavily overgrown at the time of survey, but no trace of a hut circle, or a circular hollow were observed in the field. A second possible bomb crater (35) is visible as a water-filled hollow on the moorland. Both features are considered to be of lesser heritage importance.

<sup>62</sup> 106G/UK/0988 (09.05.45) 3250, 4331, held at RCAHMS, B0097, 1:5, 080

106G/UK/027 (26.11.45) 4068, 5161, held at RCAHMS, B0005, 1:10,500

<sup>63</sup> Google™ (2011) Google maps [online], Available from maps.google.co.uk Accessed October/February 2012

<sup>64</sup> Ordnance Survey 1<sup>st</sup> Edition map (1864) Renfrewshire Sheet VI and Sheet 11, and Dumbartonshire sheet XXI, six inches to one mile

<sup>65</sup> Ordnance Survey 2<sup>nd</sup> Edition map (1898) Renfrewshire Sheets II.SW, II.SE, VI.NW, six inches to one mile; Ordnance Survey 3<sup>rd</sup> Edition map (1915) Renfrewshire Sheets II.SW, II.SE, VI.NW, six inches to one mile; Ordnance Survey 4<sup>th</sup> Edition map (1947) Renfrewshire Sheets II.SW, II.SE, VI.NW, six inches to one mile;

<sup>66</sup> Newall, F (1964) 'Early open settlement in Renfrewshire', Proc Soc Antiq Scot, vol.95. Page(s): 160, 164, no.14

#### Natural Features

9.97 Black<sup>67</sup> noted an area of 'aligned stones' (3), which the Ordnance Survey (1964) later described as being natural in origin. Field survey found the area to be full of mossy tussocks of natural origin; the site is considered to be of no heritage importance.

#### Airshaft

9.98 An airshaft (17) is shown on the Ordnance Survey 2nd Edition map<sup>68</sup> and on subsequent Editions. Field survey found the airshaft to be a large grassed over mound with a metal-covered shaft on the southern side of the mound. The airshaft is considered to be of lesser heritage importance.

#### Mounds

9.99 A number of irregular shaped mounds (18) were identified during a previous survey<sup>69</sup>, approximately 100 m north of Harelaw Farm (19). The mounds were suggested to be either the result of post-medieval agricultural activity or associated with modern landfill. No mounds were identified in this area during the recent field survey but from their description, it would appear that they are likely to be small clearance cairns or modern spoil heaps. The site is considered to be of lesser heritage importance.

#### Reservoir

9.100 A sub-oval reservoir (23) together with a dam and outlet to the north-east, is depicted on the Ordnance Survey 1st Edition map and subsequent Editions<sup>70</sup>. The reservoir is still shown on 2012 Ordnance Survey digital data<sup>71</sup>, but is shown as in-filled from 2006 onwards, with modern houses occupying the area immediately to the north of the reservoir, overlying the outlet. Today, the reservoir is clearly visible as a grass, scrub and tree-lined depression within an improved pasture field, and is considered to be of local heritage importance

#### Grouse Butts

9.101 A linear arrangement of grouse butts (25) is shown on the Ordnance Survey 1980 Edition map<sup>72</sup>. No trace of the grouse butts were identified during the field survey and it is likely that they were of relatively ephemeral construction; the grouse butts are considered to be of lesser heritage importance.

<sup>67</sup> Black, W O (1959) , 'Kilmacolm', Discovery and Excavation in Scotland, pp.31-2

<sup>68</sup> Ordnance Survey 2<sup>nd</sup> Edition map (1898) Renfrewshire Sheets II.SW, II.SE, six inches to one mile; Ordnance Survey 3<sup>rd</sup> Edition map (1915) Renfrewshire Sheets II.SW, II.SE, six inches to one mile; Ordnance Survey 4<sup>th</sup> Edition map (1947) Renfrewshire Sheets II.SW, II.SE, six inches to one mile, Ordnance Survey (1958, 1980) Ayrshire-Renfrewshire Sheet NS27SE, 1:10,560

<sup>69</sup> Alexander and McGill, D and C (1997), 'Devol Moor to Spango Valley (Greenock; Port Glasgow; Kilmacolm parishes), archaeological assessment', Discovery and Excavation, Scotland,(1998), pp.52-53,

<sup>70</sup> Ordnance Survey 1<sup>st</sup> Edition map (1864) Renfrewshire Sheets VI, six inches to one mile; Ordnance Survey 2<sup>nd</sup> Edition map (1898) Renfrewshire Sheets II.NW, six inches to one mile; Ordnance Survey 3<sup>rd</sup> Edition map (1915) Renfrewshire Sheets II.NW, six inches to one mile; Ordnance Survey 4<sup>th</sup> Edition map (1947) Renfrewshire Sheets II.NW, six inches to one mile; Ordnance Survey (1958, 1970, 1980) Dumbartonshire-Renfrewshire Sheet NS27SW, 1:10,560

<sup>71</sup> Ordnance Survey digital mapping data, available at the National Library of Scotland, accessed October 2012

<sup>72</sup> Ordnance Survey (1980) Sheet NS27SE, 1:10, 560

#### Peat cutting

- 9.102 A small area of peat cutting (31), heavily overgrown, was identified during the recent survey. The Old Statistical Account<sup>73</sup> notes that peat was cut in the hinterland around Greenock and Port Glasgow, and sold in these towns, as well as being used for fuel in local farmsteads. The peat cutting is considered to be of lesser heritage importance.

#### Marker cairn

- 9.103 Field survey identified a small cairn (34) on a level terrace near the summit of a plateau. The cairn is unlikely to be a clearance cairn given its location, but may be a shepherd's cairn or a marker cairn used in early Ordnance Survey mapping, and is considered to be of local heritage importance.

#### Drainage System

- 9.104 Field survey identified a system of canalised, land drainage and water management features (43) associated with Harelaw reservoir. The system comprises a series of brick sluices with iron sluice-gates, together with substantial concrete-lined canalised drains. One of the smaller iron sluices is inscribed with a date of '1908'. The drainage system is considered to be local heritage importance.

#### Rifle Range

- 9.105 A rifle range (47) is depicted and annotated on the Ordnance Survey 2nd Edition map<sup>74</sup>, comprising two targets, two small square buildings (47a and b), and trackway. Subsequent editions<sup>75</sup> show distance markers and modifications to one target, the other of which appears to have fallen out of use by the time of the Ordnance Survey 3rd Edition map. Only the trackway is depicted on the 1958<sup>76</sup> Edition of the Ordnance Survey map and the rifle range itself is no longer annotated suggesting that it had gone out of use during the post-WWII period. Field survey identified faint traces of the trackway associated with the rifle range, visible as a slight grassy linear depression, together with the rubble-filled remains of one of the small square buildings (47a), upstanding to over 1 m high. The rifle range has some local historical interest and is considered to be of local heritage importance.

#### Possible Structures

- 9.106 Black<sup>77</sup> records some possible 'structures' (50) at this location. A later visit by the Ordnance Survey (1964) could find no trace of any structures in the area and recorded the site as being a quarry. The record of possible structures at this location is suggested to be erroneous and the site is considered to be of no heritage importance.

<sup>73</sup> Old Statistical Account (1791-99) Parish of Old Greenock, Vol. XL, p.559-568

<sup>74</sup> Ordnance Survey 2<sup>nd</sup> Edition map (1898) Renfrewshire Sheets II.NW, six inches to one mile

<sup>75</sup> Ordnance Survey 3<sup>rd</sup> Edition map (1915) Renfrewshire Sheets II.NW, six inches to one mile; Ordnance Survey 4<sup>th</sup> Edition map (1947) Renfrewshire Sheets II.NW, six inches to one mile

<sup>76</sup> Ordnance Survey (1958) Dumbartonshire-Renfrewshire Sheet NS27SW, 1:10,560

<sup>77</sup> Black, W O (1959), 'Kilmacolm', *Discovery and Excavation in Scotland*, pp.31-2

#### **Historic Landscape Character**

- 9.107 The HLAMap<sup>78</sup> indicates that much of the surrounding landscape, particularly to the south and west, is similar to that of the site, comprising largely of unimproved upland moorland, over Whitelees Moor and Colaouse Hill, with more managed moorland further south over the high ground of Berry and Creuch Hill. Northwards lie the urban areas of Greenock and Port Glasgow, and with predominantly 18th to 20th century enclosed semi-improved and improved enclosed pasture/farmland to the east, through which the proposed access route is aligned. Other elements of the landscape include the reservoirs of Gryfe and Harelaw, and stands of commercial forestry plantation.
- 9.108 A range of prehistoric sites have been recorded across the moorland area, particularly on the lower slopes of the hills surrounding Gryfe reservoir and Loch Thom, to the south and west of the proposed development site. Amongst these are: hut circles (for example those recorded in the HER: 5913, 5927, 5936, 5937, and 5943); cup and ring marked stones (22298, 403222, 53574, 53713, 54074, 54077, and 54060-23); occupation sites producing a range of finds from various periods (5946); and, burial cairns located on summits of knolls and hills (for example the scheduled cairn on Colaouse Hill (12838, Figure 9.2); Glen of Hecklemoor cairn (NSR site, 5952, Figure 9.2); and two scheduled cairns to the south of Gryfe Reservoir (12854 and 12829, Figure 9.2). Such remains attest to a relatively well settled prehistoric landscape, largely of Neolithic and Bronze Age date, of which a reasonable amount survives today within areas of rough pasture and upland moorland (although not, it appears, at the uppermost contours of hills and valleys).
- 9.109 The medieval baronies of Greenock, Cartdyke and Port Glasgow, to the north of the proposed Inverclyde wind farm (and their subsequent development into industrial and port areas), the Scheduled 15th century Newark Castle (Index No. 90230); documentary evidence for a second castle further along the coast to the west (Easter Greenock (5928)); and the medieval motte at Pennytersal (7023), to the south east of the site, attest to the continuing settlement and land-use of the surrounding landscape along the lower coastal strip and hinterland.
- 9.110 The HER and RCAHMS database also hold records for several farmsteads in the surrounding landscape, together with elements of relict, pre-19th century agriculture such as rig and furrow cultivation. Such sites include, for example, Schawes Farm (40252, 40254) to the southwest; Shaws farmstead (40441), Hollowhills farmstead and rig (40254, 40452), and cultivation at Cockrobin and Ravenscraig (14975) to the west; and several farmsteads and medieval/post-medieval remains to the south around the Gryfe reservoir (402460), at Burnhead (NS27SE 127), Glenbrae (402460) and Darndaff (40243-45, 40434. Some of these farmsteads (such as those at Darndaff, Burnhead, and Shaws, to the south and west of the site), have origins from at least the mid-18th century as they are depicted on Roy's map<sup>79</sup>, and were already abandoned by the mid 19th century (Darndaff, Shaws), being annotated as 'ruinous' on the

<sup>78</sup> RCAHMS (2011) *Historic Land-Use Assessment for Scotland (HLAMap)* [online], available from <http://www.rcahms.gov.uk>

<sup>79</sup> Roy, W (1747-55) *Military Survey of Scotland*

Ordnance Survey 1st Edition map<sup>80</sup>. Within the areas of lower-lying ground, (through which the proposed access route passes), records are held for farmsteads of predominantly 19th century date (for example the farmsteads of West Dougliehill (14985), Crosshill Road (40335), Bardrainey (40334), and Priestside (14162)), Some of these farmsteads have antecedents from at least the 18th century; Bardrainey is annotated on Roy's map of 1747-55, as is an antecedent, ('Dougliehill'), to West Dougliehill and East Dougliehill, 24. Evidence of earlier agricultural activity is also associated with some of these farmsteads (at West Dougliehill and Priestside for example), in the form of rig and furrow cultivation.

- 9.111 The Old and New Statistical Accounts<sup>81</sup> note the presence of small farms in the parishes of Greenock and Kilmacollm, largely devoted to the farming of cattle, and some sheep, on the uncultivated parts of the parish land (i.e., the upland moorlands), where little land improvement is suggested to have taken place. Some land improvement is suggested to have taken place by the early 18<sup>th</sup> century on the lower-lying ground however; including the introduction of more sheep and the construction of new farmsteads, (which likely relate to those occupied farmsteads depicted on the Ordnance Survey 1st Edition).
- 9.112 Such land-use in the medieval/post-medieval period, is reflected today in both the current land-use of the site and the wider landscape, and the elements of the historic landscape that still survive; possible shieling huts, the small ruinous farmstead of Corlick Hill (15), sheepfolds (33) and small areas of rig and furrow cultivation (39). Together with the evidence for prehistoric and Roman activity within or near to the site, and in the wider landscape, this indicates that the area retains many historic landscape character elements of considerable time depth.

### Archaeological Potential of the site

- 9.113 The site lies predominantly in upland moorland; the landform rises from 140 m AOD (Above Ordnance Datum) where the access route meets Dougliehill Road at the north-eastern end of the site, to 303 m AOD at the summit of Corlick Hill in the southwest corner of the site.
- 9.114 Historically, the land has been principally used for pasturing cattle and sheep, and retains this aspect of its landscape character today. Evidence from historic map sources, notably Roy's map<sup>82</sup>, suggest that prior to the 19th century, the site was largely uncultivated land, with the presence of three farmsteads (Corlick Hill, 15; Harelaw (19), and East Dougliehill (23)), and some associated cultivated land at the south-western extent of the site. Vestiges of the pre-19th century pastoral landscape, largely associated with the keeping of cattle noted in the OSA and NSA<sup>83</sup>, survive in the form of poorly preserved denuded dry-stone and turf covered structures (37, 41, and possibly 10 and 38), which are likely to be former shieling huts or shepherds bothies, and the remains of three turf bank enclosures (4a and b, 45). Small-scale

subsistence agriculture is suggested by the presence of four probable pre-19<sup>th</sup> century clearance cairns (20-22, 32), a denuded patch of rig and furrow cultivation (39) and section of turf bank (1), which may have been a former field boundary, or the remains of an enclosure. Alternative land-use in the late 19th and early 20th century is indicated by the presence of a rifle range (47); although, the land which this once occupied has now reverted back to pastoral use.

- 9.115 The wider area has been well settled from at least the medieval period, with the medieval baronies of Greenock, Cartsideyke and Port Glasgow to the northwest, north and northeast of the site; however, evidence from both the surrounding landscape, and from within the site itself, indicates that both settlement and other land-use as been occurring in the area from the prehistoric period onwards. Evidence for this activity predominantly comes in the form of later prehistoric (Bronze Age) sites such as hut circles and burial cairns, although documented finds from the late Neolithic period suggest potentially earlier occupation. This activity appears, however, to be confined to the lower-lying terraces and slopes of the upland areas which characterise this area. The Roman fortlet and road on Lurg Moor (12, 1653), together with the postulated continuation of the road westwards from the fort (2), also provide clear evidence for a reasonably well established Roman presence in the landscape.
- 9.116 The land within the site has seen little development, other than the construction of an overhead power transmission line, which bisects the eastern part of the site, and an associated sub-station. Taking this into account, together with the present historic environment record, (both on the site itself and in the immediate landscape surrounding it, and the largely pastoral use of the landscape both historically and today), there is some potential for the site to contain buried remains of archaeological importance. However, trial trenching in advance of small scale quarrying (White<sup>84</sup>; HER Ev3208), including the investigation of two clearance cairns (20 and 22), did not reveal any sites of archaeological significance. Much of the upstanding surviving remains, particularly those of prehistoric or possible medieval/pre-improvement date, occur on slightly lower contour terraces (rather than in the valleys or on the hill summits and more exposed contours); the potential for finding buried archaeological sites of significance in these areas would be slightly higher than in other areas of the site.
- 9.117 Given the limited land-take required by the proposed development, the overall potential of encountering features of archaeological importance during construction is judged to be moderate to low. In addition, it is considered that there is no potential for finding hitherto unknown buried sites within the recorded extent of any of the quarried areas. Overall, the archaeological potential is assessed as being moderate to low.

### Future Baseline

- 9.118 If the proposed Inverclyde wind farm was not to proceed, there would likely be little or no change to the baseline condition of the various historic environment assets within the site, other than natural degradation and the erosion of any upstanding remains through natural process

<sup>80</sup> Ordnance Survey 1<sup>st</sup> Edition map (1864) Renfrewshire Sheets II and VI, and Dumbartonshire Sheet XXI, six inches to one mile

<sup>81</sup> New Statistical Account (1834-45) Parish of Kilmacollm, Vol. 7, p.56-62; New Statistical Account (1834-45) Parish of Old Greenock, Vol. 7, p.405-494; Old Statistical Account (1791-99) Parish of Kilmacollm, Vol. 4, p.274-279; Old Statistical Account (1791-99) Parish of Old Greenock, Vol. XL, p.559-568

<sup>82</sup> Roy, W (1747-55) Military Survey of Scotland

<sup>83</sup> New Statistical Account (1834-45) Parish of Kilmacollm, Vol. 7, p.56-62; New Statistical Account (1834-45) Parish of Old Greenock, Vol. 7, p.405-494; Old Statistical Account (1791-99) Parish of Kilmacollm, Vol. 4, p.274-279; Old Statistical Account (1791-99) Parish of Old Greenock, Vol. XL, p.559-568

<sup>84</sup> White, R (2005), Harelaw Quarry, Port Glasgow (Kilmacollm parish), Evaluation, Discovery and Excavation, Scotland, (2005), pp.91



and cattle movement. This assessment has been undertaken against present baseline conditions

- 9.119 If the proposed Inverclyde wind farm was not to proceed, there would be no currently known, immediate change to the setting of external historic environment receptors.

## Potential Effects

### Direct (Construction) Effects

#### Potential Construction and Decommissioning Effects

- 9.120 Any ground breaking activities associated with the construction of the proposed Inverclyde wind farm (such as those required for turbine bases and installation areas, access tracks, cable routes, compounds, etc.) have the potential to disturb or destroy features of historic environment interest in the absence of appropriate mitigation. Other construction activities, such as vehicle movements, soil and overburden storage and landscaping also have the potential to cause direct, permanent and irreversible adverse effects on the historic environment in the absence of mitigation.

#### Potential Operational Effects

- 9.121 The presence of wind farm features can have indirect effects on the setting of cultural heritage sites in the wider landscape. In particular, there is potential for the turbines to be present in views of and from Scheduled Monuments, Listed Buildings and other cultural heritage sites and areas, including NSR sites, in the vicinity of the proposed wind farm.
- 9.122 Analysis of the ZTV indicates that within 10 km of the proposed Inverclyde wind farm there would be theoretical visibility, and thus potential operational effects associated with one or more turbines from 29 Scheduled Monuments, five NSR sites, 36 Category A Listed Buildings, 331 Category B Listed Buildings, 31 Category C Listed Buildings, three Inventory Garden and Designed Landscapes, and nine Conservation Areas.
- 9.123 Technical Appendix 9.2: Historic Environment Assets within 10 km of the site, provides a tabulated summary assessment on a site-by-site basis of the predicted effects on the settings of these assets, and their locations are shown on Figure 9.2. Technical Appendix 9.2 covers assets up to 10 km from the site with the exception of Category C Listed Buildings, which have localised geographical settings that would not be adversely affected by the proposed Inverclyde wind farm and which are therefore only considered up to 5 km away.

## Mitigation

- 9.124 The emphasis in Planning Advice Note 2/2011<sup>85</sup> (PAN 2) is the preservation of important remains in situ where practicable and by record where preservation is not possible. The mitigation measures presented below take account of this planning guidance and offer various

options for recording and ensuring that, where practical, surviving assets are preserved intact to retain the present historic elements of the landscape.

### Mitigation by Design

- 9.125 The results of the desk-based study and field survey were digitised and provided to the wind farm design team as GIS data shapefiles. Identified features were recorded as either point locations (for small individual features such as the hut circles (e.g. 9) and clearance cairns (e.g. 32 and 44)); linear representation (for trackways and field boundaries (e.g. 16 and 29)); and areas (where a number of related features form integrated sites, such as the farmsteads (e.g. 19 and 24), rifle range (47) and medieval/post-medieval rig and furrow (e.g. 39)).
- 9.126 Buffer zones, sufficiently extensive to prevent direct effects on known assets or associated and unidentified (possibly buried) features arising during the design stage, were applied taking account of the type of asset, its relative importance, and the potential for buried remains to survive close by. A 100 m radius buffer was applied around archaeologically sensitive assets such as the scheduled hut circle (9; 12800) and Roman fortlet (12; 1653) and a second well-preserved hut circle (30), recorded in the field. A 50 m radius buffer was applied around other features of possible prehistoric date and those of probable post-medieval date, such the recorded locations of possible hut circles (e.g. features recorded as hut circles but which may be of a later date, or of natural origin (e.g. 8, 10, 6, 7, 13 and 14), and other features such as well preserved farmsteads (15) and possible shieling huts (40-42)). A 10 m buffer was applied around a poorly preserved individual feature (45), which may be of medieval/post-medieval date.
- 9.127 The proposed Inverclyde wind farm (Figure 9.1) has been designed to avoid the archaeologically sensitive areas of prehistoric settlement, the Roman fortlet and the surviving features of post medieval and more recent date. In particular, the site boundary has been reduced in size to exclude both the Roman fortlet and the scheduled hut circle. The design mitigation has ensured the preservation in situ of known remains and worked to reduce the effect on the settings of the Roman fortlet (12; Index No 1653), and of the scheduled hut circle (9; Index No 12800) and NSR hut circle (10; HER No 5910).

### Mitigation during Construction

- 9.128 All mitigation works presented in the following paragraphs would take place prior to, or, where appropriate, during, the construction of the proposed Inverclyde wind farm. All works would be conducted by a professional archaeological organisation, and the scope of works would be detailed in one or more Written Scheme(s) of Investigation (WSI). The WSI(s) would make provision for appropriate post-excavation analysis and dissemination of the results of the mitigation works, as well as for archiving of the project materials and records. The WSI(s) would be submitted for the approval of Inverclyde Council prior to works commencing on the site.

<sup>85</sup> Scottish Government (2011) 'Planning Advice Note (PAN) 2/2011: Planning and Archaeology'. Edinburgh

**Preservation in Situ**

9.129 In accordance with the requirements of PAN 2 and regional and local planning policy, where heritage assets lie in close proximity to one or more elements of the proposed Inverclyde wind farm they would be avoided to ensure the preservation in situ of the assets. Where appropriate, surviving assets would be visibly marked-out (with a protective buffer of 10 m where possible), to signal their presence to construction workers and to prevent accidental damage occurring to the remains during construction activities in the vicinity.

9.130 Sites to be marked off include:

- the surviving remains of farmstead buildings at Harelaw farmstead (19);
- four clearance cairns (32, 44, 46 and 48);
- a marker cairn (34); and,
- a platform and possible enclosure (45).

**Watching Briefs, Excavation, Recording and Post-Excavation**

9.131 The archaeological potential of the site is assessed as being variously moderate to low. The largely unmodified moorland has a moderate potential for further discoveries of archaeological remains, whilst the mixed farmed land and moorland along the proposed access route has a low to moderate potential. It is possible that buried archaeological features related to the 18th century farming landscape survive as buried features and there is potential for earlier (perhaps also prehistoric) remains to be encountered. As such, a programme of archaeological monitoring of construction activities would be completed in accordance with a Written Scheme of Investigation (WSI). If important discoveries were made during archaeological mitigation works and preservation in situ is not possible, provision would be made for an appropriate level of recording that may include excavation, where necessary, of any archaeological remains encountered. Such provision would also include the consequent production of written reports on the findings, with post-excavation analyses and publications of the results of the works, as appropriate.

9.132 Specific sites for which archaeological mitigation through watching briefs on construction works would be undertaken include:

- the postulated alignment of a possible Roman road (2). Mitigation work would involve (in the first instance), a watching brief, undertaken during any ground-breaking works for the construction of the access track to Turbine 1 and for the turbine base and installation area. The watching brief would take the form of a controlled topsoil strip under the guidance of a professionally qualified and experienced archaeologist. The purpose of the watching brief would be to identify the presence/absence, character, and extent of any remains relating to the Roman road that may survive in the area. Further mitigation work may be required, depending on the results of this first stage of mitigation.

9.133 If remains that could be attributed to a Roman military road are identified, further mitigation could include one or more of the following options, dependent upon the condition of any identified remains:

- Sample excavation to establish the character and if possible recover dating evidence for the road's construction and or abandonment.
- Preservation in situ through development of a suitable track crossing methodology.
- Full excavation and detailed recording of the character and construction of the road.
- Post excavation work on any artefacts or other materials discovered and publication of the results of the work in an appropriate academic journal.

**Construction Guidelines**

9.134 Written Guidelines would be issued for use by all construction contractors, outlining the need to avoid causing unnecessary damage to known sites. The Guidelines would be incorporated into the Construction Environmental Management Plan and would set out arrangements for calling upon retained professional support in the event that buried archaeological remains of potential archaeological interest (such as building remains, human remains, artefacts, etc.) should be discovered in areas not subject to archaeological monitoring. The guidance would make clear the legal responsibilities placed upon those who disturb artefacts or human remains.

**Mitigation during Operation**

9.135 A significant indirect effect has been predicted on the setting of Lurg Moor Roman Fortlet (1653) and of Lurg Moor hut circle (12800). In recognition of the archaeological importance of the fortlet in particular and its prominent and strategic position in the landscape, it is proposed that improved access and discrete interpretation facilities would be provided in the area of Turbine 1 to compensate for the predicted effect on the setting of the fortlet. The interpretation would provide information to place the monument in its wider military context and information on the fortlet's relationship to other significant contemporary Roman and native sites in the wider landscape, including the Antonine Wall military frontier.

9.136 This mitigation would, as part of improving wider public access to a less well frequented part of Clyde Muirshiel Regional Park, provide a new public viewpoint on the northern extent of the wind farm adjacent to Turbine 1 (see Figure 1.2), allowing uninterrupted views northwards over the Roman fortlet, and facilitating easier access to the monument and would increase public awareness of the archaeological heritage of the moorland plateau. Although the mitigation proposed would not reduce the significance of the effect on the monument's setting, it would contribute to offsetting the effect.

**Assessment of Residual Effects****Residual Construction Effects**

9.137 Using the criteria detailed in Tables 9.2 and 9.3, and taking account of the layout shown on Figure 9.1, Technical Appendix 9.1: Historic Environment Assets within the initial site study area and site boundary summarises the predicted direct effects on the assets identified by the study within the site. These effects are discussed in more detail below.

9.138 The proposed programme of mitigation would be sufficient to reduce (through preservation in situ of avoidable remains), or offset (through excavation and publication where direct effects are unavoidable) the predicted direct effects on heritage assets. The completion of the programme of archaeological mitigation works as set out above would compensate for the loss of the archaeological resource that would occur as a result of the construction of the proposed Inverclyde wind farm, but would not reduce the magnitude, and therefore the significance of the predicted direct effects.

### Significant Effects

9.139 The conjectural alignment of a possible Roman road (2) is overlain by the siting of the turbine base and installation area associated with Turbine 1. The alignment shown on Figure 9.1 relates to the referenced alignment in the HER and does not necessarily relate directly to any actual road alignment (if such does in fact exist); it is marked as a line connecting points on a map only. If there are any remains of a road surviving below the ground across the landscape as recorded, and if these remains prove to be those of a Roman road as conjectured, their archaeological potential may be high and of regional heritage importance. Any surviving remains at the location of Turbine 1 and its associated access track could potentially be truncated by the proposed construction work. The direct effect would however affect only a short section of the possible Roman road and the effect is assessed as being of medium magnitude and of moderate significance.

### Non-significant Effects

- 9.140 The new footpath from Turbine 2 that would connect the access track network to Core Path 32 would cross a former alignment of the 19<sup>th</sup> century footpath (16) in one location. The footpath, which now follows a different alignment across Burnhead Moor, is considered to be of local heritage importance, and the effect on the pathway is assessed as being of low magnitude and of minor significance.
- 9.141 The proposed main access track would cross features associated with Harelaw farmstead (19): an area of recorded former rig and furrow; a section of former enclosure; and, a trackway associated with the farm. The farmstead as a whole is considered to be of local heritage importance, and the effect on these individual elements is assessed as being of low magnitude and of negligible significance.
- 9.142 The proposed access track crosses the northernmost end of a trackway (27). The trackway is considered to be of lesser heritage importance and the effect on the trackway is assessed as being of low magnitude and of negligible significance.
- 9.143 The proposed main access track would cross a former rifle range (47) and trackway crossing the rifle range. The rifle range is considered to be of local heritage importance, and the effect is assessed as being of low magnitude and of negligible significance.
- 9.144 Careful management of the decommissioning phase would ensure that no further adverse effects occur on assets already damaged by construction works.

### Residual Operational Effects

- 9.145 The assessment of magnitude of residual operational effects provided in Technical Appendix 9.2 has been based on the analysis of the blade tip ZTV, taking into account the distance of the assessed site from the proposed wind farm, the number of blade tips visible and the present baseline setting of each site. The ZTV model is, however, a coarse predictive tool based on bare-earth surface topography and maximum blade-tip heights. It takes no account of obstructions to intervisibility caused by existing forestry and other vegetation or buildings and other man-made features. Therefore, professional judgement has been used to arrive at the conclusions drawn.
- 9.146 A summary assessment of the predicted operational effects on those assets identified by HS and WoSAS (See Table 9.1) as requiring specific consideration is provided in Table 9.11 below, whilst a fuller assessment in tabulated form is provided in Technical Appendix 9.2. For ease of reference, the identifying site number for each of these assets has been highlighted with a bold red outline on Figure 9.2. Those assets for which an effect of major or moderate significance has been predicted are discussed in detail below.
- 9.147 Those assets identified by HS and WoSAS as requiring specific consideration (Table 9.1), and other assets that are judged to have the most sensitive settings, have been assessed using photomontage and wireframe visualisations (Figures 9.4 - 9.13). A list of those historic environment assets for which visualisations have been provided is given below (Table 9.10).

**Table 9.10 List of Historic Environment Visualisations**

Asset Name (Ref No)	Status	Type of Visualisation and Figure No.
Lurg Moor Roman Fortlet and Roman road (1653, site 12)	Scheduled	Photomontage (from centre of fortlet looking south): Figure 9.4 LVIA VP 19 (from Corlic Hill looking north), Figure 6.43.
Craigmarloch Wood fort (4379)	Scheduled	Wireframe: Figure 9.5
Lurg Moor hut circle (12800, site 9)	Scheduled	Wireframe: Figure 9.6
Burnbank Water settlement (12824)	Scheduled	Wireframe: Figure 9.7
Garvock cairn (12829)	Scheduled	Wireframe: Figure 9.8
Dowries cairn (12838)	Scheduled	Photomontage: Figure 9.9
Muiredge cairn (12854)	Scheduled	Photomontage: Figure 9.10
Hillside roundhouses (12868)	Scheduled	Wireframe: Figure 9.11
Dumbarton Castle (90107)	Scheduled	Photomontage: LVIA VP 2, Figure 6.26.
Finlaystone House (13641) and GDL	Category A Listed Building and GDL	Wireframe: Figure 9.12
Duchal House GDL	GDL	Photomontage (from Class C road north of Quarriers Village, looking

Asset Name (Ref No)	Status	Type of Visualisation and Figure No.
		along designed avenue towards the House): LVIA VP 27, Figure 6.52.
Glen of Hecklemoor cairn (5952)	NSR site	Wireframe: Figure 9.13

**Lurg Moor Roman Fortlet (1653, site 12) (Figure 9.4)**

- 9.148 The well-preserved remains of the Roman fortlet and road lie approximately 300 m from the nearest proposed turbine (T1), to the north of the site. An overhead power transmission line passes close to the fortlet and is plainly visible in views from the fortlet towards the north and east. Figure 9.4 shows that the blade tips and hubs of nine turbines would be visible in views looking south from the fortlet into the upland moorland hinterland, back along the approach road to the fortlet. The turbines, especially T1 and T3, would be prominent on the skyline but would lie beyond the horizon and no tracks would be visible from the fortlet. The presence of the turbines would noticeably change the present undeveloped moorland setting within which the fortlet lies.
- 9.149 An LVIA photomontage (VP 19), from a viewpoint on Corlic Hill, shows the turbines in the view towards the fortlet from the moorland hinterland and from along the ridgeline. The presence of the turbines in these views would have some effect on the ability to appreciate and understand the landscape siting of the fortlet, but would not undermine an understanding of wider Roman military planning. Views from lower lying areas to the north (e.g., LVIA VP's 8, 9, 21 and 22), show that the turbines would be visible behind the ridgeline and the location of the fortlet; although such visibility would be restricted due to local topography and other landscape features; furthermore, the fortlet itself is not a prominently visible feature in views towards Lurg Moor from locations to the north. There would be no effect on views from the fortlet out over and along the Firth of Clyde, a major component of the landscape setting of the fortlet and a key aspect of the role that the fortlet may have played in the Antonine military frontier.
- 9.150 The setting of the fortlet and road is considered to be of high sensitivity, and the effect of the proposed Inverclyde wind farm on the setting of the monument is assessed as being of high to medium magnitude and of major significance. The effect would be significant in EIA terms but ultimately reversible upon decommissioning of the wind farm.

**Lurg Moor, hut circle 1180m SW of Knocknairshill (12800, site 9) (Figure 9.6)**

- 9.151 The well preserved remains of Lurg Moor hut circle lie in upland moorland on a northeast facing slope set into a low bedrock outcrop. There are open views across the moorland to the north and east and, more distantly, over the Firth of Clyde. Views to the south are more confined due to local topography, and the hut circle has a somewhat secluded, localised setting. An overhead power transmission line passes close to the hut circle and is plainly visible in views to the north and east from the hut circle. There are other (potentially related) hut circles in the near vicinity, and in the wider landscape more generally, including one (5951) to the north, and a second, poorly preserved example to the south (5910; site 10, Figure 9.1). Other hut circles, or possible hut circles, have been identified and recorded within the site; on the south side of

Corlic Hill (see Figure 9.1). The Lurg Moor hut circle retains much of its value through its archaeological potential, as a repository of archaeological information on later prehistoric domestic and agricultural activity, and experientially as a surviving and visible component of a wider later prehistoric landscape across the moorland.

- 9.152 Lurg Moor hut circle lies approximately 300 m to the north of the nearest proposed turbine (T3). Figure 9.6 (a view largely similar to that from Lurg Moor Roman fortlet, Figure 9.4), shows that all ten turbines blade tips would be visible, together with seven turbines in views from the hut circle towards the south and west, discernibly changing the surroundings of the hut circle and partially altering its setting. However, the turbines would not be visible in the more open and expansive views from the hut circle looking north and east. Although the turbines would be visible in the southward views, these views are not necessarily intrinsic to understanding or appreciating the localised siting of the hut circle in this landscape. The topographic locations of other possibly related assets, and the nature of the intervening topography of, for example Corlic Hill, means that there would not have been intervisibility between the examples in the southern part of the site (5-8 and 30) and the Lurg Moor hut circle and those in the north of the site (10, 13 and 14) across this upland moorland landscape. The presence of the turbines would not therefore adversely affect the ability to understand or appreciate the hut circle in this wider moorland archaeological landscape.
- 9.153 The setting of the Lurg Moor hut circle is considered to be of high, but localised sensitivity, and the predicted effect on the setting of the hut circle is assessed as being of medium to low magnitude. In this instance, professional judgement has been used alongside the assessment matrices, and the significance of the effect on the setting of the hut circle is assessed as being of moderate significance; the introduction of the proposed wind farm would not substantially diminish the asset's heritage value. The effect would be significant in EIA terms but ultimately reversible upon decommissioning of the wind farm.

**Garvock, cairn 780m ENE of (12829) (Figure 9.8)**

- 9.154 The remains of Garvock burial cairn lie in upland moorland, on the lower north-facing slopes of Colaouse Hill, overlooking Loch Thom, a large (19th century) reservoir. There are open views from the cairn in northerly directions, although to the northeast these are partly screened by commercial forestry on the near horizon. Other related burial monuments are present in the wider landscape, including cairns to the northeast (5952), east (12854) and southeast (12838), all predominantly located along the valley slopes surrounding the Gryfe reservoirs. Garvock cairn retains much of its value though its archaeological potential, as a repository of archaeological information on prehistoric funerary and ritual activities, and experientially as a surviving and visible component of the wider prehistoric settlement and burial landscape.
- 9.155 The cairn lies approximately 3.1 km from the nearest proposed turbine (T2). Figure 9.8 (similar to the view from Dowries cairn, Figure 9.9), shows that all ten turbines would be visible along the skyline in views to the northeast from the cairn. At present, views of the turbines (and any original intervisibility with Muiredge cairn (12854)), are be partly screened by commercial forestry, although the turbines would be visible in the same views (but neither interrupting nor obscuring them) when looking towards Glen of Hecklemoor cairn (5952) to the north. The

proposed Inverclyde wind farm would have no effect on any theoretical intervisibility with Dowries cairn (12838).

- 9.156 The setting of Garvock cairn, close to and overlooking a modern reservoir and close to managed modern commercial forestry, is considered to be of high sensitivity, and the effect of the introduction of the proposed Inverclyde wind farm on the setting of the cairn is assessed as being of medium to low magnitude; a partial and detectable change to the surroundings. In this instance, professional judgement has been used alongside the assessment matrices and the effect on the setting of the cairn is assessed as being of moderate significance; the introduction of the proposed Inverclyde wind farm would not fundamentally change its setting; neither would affect the cairn's relationships with other similar monuments in the landscape nor substantially diminish its intrinsic heritage value.

*Dowries, cairn 495m SW of (12838) (Figure 9.9)*

- 9.157 The prominent remains of Dowries burial cairn lie in upland moorland, on the north-facing slopes of Creuch Hill, with extensive views northwards. Other related burial monuments are present in the wider landscape, including cairns present to the north (5952, 12829, 12854), these being located along the valley slopes surrounding the Gryfe reservoirs. The cairn retains much of its value though its archaeological potential, as a repository of archaeological information on prehistoric funerary and ritual activities, and experientially as a surviving and visible component of the wider prehistoric settlement and burial landscape.
- 9.158 The cairn lies approximately 3.4 km to the south-west of the nearest proposed turbines (T8 and T10). Figure 9.9 shows that all ten turbines would be visible on the skyline in views northwards from the cairn. The turbines would also be present in views in the background when looking towards other, possibly related cairns to the north (Muiredge (12854) and Glen of Hecklemoor (5952)); but the turbines would not physically interrupt any visual relationship between them.
- 9.159 The setting of Dowries cairn is considered to be of high sensitivity, and the effect on the setting of the cairn is assessed as being of medium to low magnitude. In this instance, professional judgement has been used alongside the assessment matrices, and the effect on the setting of the cairn is assessed as being of moderate significance; the introduction of the proposed Inverclyde wind farm would not fundamentally change its setting; neither would affect the cairn's relationships with other similar monuments in the landscape nor substantially diminish its intrinsic heritage value.

*Muiredge, cairn 1050m W of (12854) (Figure 9.10)*

- 9.160 The remains of Muiredge burial cairn lie on the lower northeast facing slopes along the southern side of the 19th century Gryfe Reservoir No 1 and within commercial forestry plantation, which both detracts from its baseline setting and screens views out to the surrounding landscape (including views towards other related burial monuments to the north (5952), west (12829) and southwest (12838)). The principal views from the cairn would have been to the north (to the higher slopes on the opposite valley side) and east along the valley. The cairn retains much of its value though its archaeological potential, as a repository of

archaeological information on prehistoric funerary and ritual activities, and experientially as a surviving and visible component of this wider prehistoric ritual and burial landscape; albeit within a modern commercial forestry setting.

- 9.161 Muiredge cairn lies approximately 1.8 km to the south-west of the nearest proposed turbine (T8). Figure 9.10 (a view similar to that from Dowries cairn, Figure 9.9,) shows that, in the absence of the surrounding forestry, all ten turbines would be visible in views from the cairn looking towards the higher ground of the opposite valley slopes to the north, and along the valley to the north-east.
- 9.162 The setting of Muiredge cairn is considered to be of medium sensitivity due to the fact that it now lies within a managed commercial forestry plantation and also lies adjacent to a modern reservoir. The effect from the introduction of the proposed Inverclyde wind farm on the setting of the cairn is assessed as being of medium to low magnitude and of moderate significance.

*Glen of Hecklemoor cairn (NSR site 5952) (Figure 9.13)*

- 9.163 The remains of Glen of Hecklemoor burial cairn are located on the summit of a low hill in upland moorland. The location affords good surrounding views, particularly to south-east and south-west, along the valley slopes around the 19th century Gryfe Reservoirs and the Gryfe Water valley. Other, related burial monuments are present in the area, including the three cairns (12854, 12829, 12838) discussed above, which lie to the south in similar valley-slopes landscape settings. The cairn retains much of its value though its archaeological potential, as a repository of archaeological information on prehistoric funerary and ritual activities, and experientially as a surviving and visible component of the wider prehistoric settlement and burial landscape.
- 9.164 The cairn lies approximately 1.3 km to the west of the nearest proposed turbine (T2). Figure 9.13 shows that all ten turbines would be visible in views to the north and east from the cairn. However, the turbines would not be visible in the views from the cairn looking south over the modern reservoir towards other related burial cairns (12829, 12854 and 12838) or in views from the cairn along the valley.
- 9.165 The setting of Glen of Hecklemoor cairn is considered to be of high sensitivity and the effect from the introduction of the proposed Inverclyde wind farm on the setting of the cairn is assessed as being of medium to low magnitude. In this instance, professional judgement has been used alongside the assessment matrices, and the significance of the effect is assessed as being of moderate significance; the introduction of the proposed Inverclyde wind farm would partially, but not fundamentally change its setting nor substantially diminish its heritage value.

*Later prehistoric settlement on Lurg Moor*

- 9.166 The prehistoric assets identified within the site are part of a wider interrelated suite of later prehistoric settlement and funerary remains scattered across Lurg Moor and extending westwards across to Whitelees Moor. As such, the group of burial cairns, hut circles, cup-marked rocks and artefact and lithics find-spots constitute a small dispersed archaeological landscape occupying the high moorland between Auchenfoil Road in the east and the

Noddesdale Road in the west and extending southwards down into what was the Gryfe Water valley (now occupied by 19th century public utility water storage reservoirs. Some components of this interrelated prehistoric landscape have been briefly mentioned already in relation to the assessment of the effect on the setting and include: Lurg Moor hut circle(12800); a second hut circle (5951) to the north; the poorly preserved remains of a possible hut circle to the south-west (5910; Site 10); and other hut circles, or possible hut circles, recorded within the site (5-8, 13 and 14) on the slopes around Corlic Hill (see Figure 9.1). The settlement remains are also associated with potentially contemporary burial monuments, represented by the various scheduled cairns (12829, 12838 and 12854) and at least one other similar burial cairn (5952) recorded across the moorland.

- 9.167 The proposed Inverclyde wind farm would occupy a position amongst these various assets. However many of the recorded hut circles (or features recorded as such) are poorly preserved, which serves to inhibit any ability to understand them as isolated features within an upland moorland landscape, or as components of a wider later prehistoric settlement landscape as whole. As a group, these features may not all be of the same date, and any such contemporary structures would not necessarily have been sited in locations where long range visibility, or visual links between houses/settlements, would have been intrinsic or fundamental to their location. Many of the recorded features, including Lurg Moor hut circle (12800) lie in more localised, and sometimes secluded, topographic locations, with little (if any) visual interrelationships between other known/recorded hut circles.
- 9.168 As a group, this wider later prehistoric settlement landscape, within a largely unmodified moorland location, is assessed to be part of a more extensive prehistoric landscape within the Clyde-Muirshiel Country Park and is assessed to be of local importance as a heritage asset. Its current landscape setting, with some obviously modern elements including the 19th century reservoirs, modern commercial forestry plantations and overhead power lines makes a moderate contribution to the understanding and appreciation of the archaeological landscape. As such the setting of the collected prehistoric remains on Lurg Moor and Corlic Hill is assessed as being of medium to low sensitivity.
- 9.169 The introduction of the proposed Inverclyde wind farm into the setting of this group of monuments would be a noticeable change in the landscape character and the effect on the wider archaeological landscape is assessed as being of medium magnitude and of moderate significance.
- 9.170 No operational mitigation would reduce the predicted indirect effects on the historic environment assets as described; therefore the residual effects would be long term but ultimately temporary effects of major significance in the case of the scheduled Roman fortlet and of moderate significance in the case of other heritage assets and the archaeological landscape on Lurg Moor and Corlic Hill.
- 9.171 Decommissioning of the proposed Inverclyde wind farm, and the ultimate removal of the turbines, would remove the effect on the settings of affected heritage assets.

**Table 9.11 Summary of Predicted Operational Effects on HS and WoSAS requested Assets**

Asset Name	Sensitivity of Setting	Magnitude of Effect	Significance of Effect	Comment
Lurg Moor Roman Fortlet and Roman road (1653, site 12)	High	High-Medium	Major (Figure 9.4; LVIA VP 19, Figure 6.43)	All 10 turbines present in main views to south from the fortlet and some visibility from surrounding area. Substantial change to baseline setting, but not affecting views to north to the coastline.
Lurg Moor hut circle (12800, site 9)	High (localised)	Medium-Low	Moderate (Figure 9.6)	All 10 turbines present in views to the south, but asset has localised setting, main views are to north-east.
Burnbank Water settlement (12824)	High (localised)	Low	Minor (Figure 9.7)	All 10 turbine blade tips visible, but in very distant views. Asset has localised setting
Garvock cairn (12829)	High	Medium-Low	Moderate (Figure 9.8)	All 10 turbine blade tips visible to northeast in views from cairn, but partly screened by commercial forestry.
Dowries cairn (12838)	High	Medium-Low	Moderate (Figure 9.9)	All 10 turbines visible in main, northeast view from cairn.
Muiredge cairn (12854)	Medium	Medium-Low	Moderate (Figure 9.10)	All 10 turbines visible in northeast views from cairn, but location of cairn within operational commercial forestry detracts from setting of cairn
Hillside roundhouses (12868)	High (localised)	Low	Minor (Figure 9.11)	All 10 turbine blade tips visible in views to north but asset has localised setting.
Dumbarton Castle (90107)	High	Low	Minor (LVIA VP 2; Figure 6.26)	All 10 turbines visible in southwest views from castle, but on distant horizon.
Duchal House (12463) and GDL	High	Imperceptible	None (House) Negligible (GDL) (LVIA VP 27; Figure 6.52)	House not within ZTV. Very limited visibility from GDL and only distant views of turbines in same views as GDL from wider landscape.
Finlaystone House (13641) and GDL	High	Imperceptible	Negligible(House) Negligible (GDL) (Figure 9.12)	Six turbine blade tips theoretically visible from house, but largely screened by woodland. Limited visibility from GDL and only distant views of turbines in same views as GDL from wider landscape.
Lurg Moor hut circle (5910; site 10)	Low (localised)	High-Medium	Minor	10 turbines theoretically visible in views to south, but asset is poorly preserved and is

Asset Name	Sensitivity of Setting	Magnitude of Effect	Significance of Effect	Comment
				considered to be of local, rather than regional importance.
Glen of Heckle Moor cairn (5952)	High	Medium-Low	Moderate (Figure 9.13)	All 10 turbines visible to east in views from cairn.
Lurg Moor archaeological later prehistoric settlement landscape	Medium-Low	Medium	Moderate	Turbines set amidst remains on moorland.

## Cumulative Effects

9.172 There are no predicted cumulative construction effects.

9.173 Figure 9.3 shows the proposed Inverclyde wind farm, the location of key historic environment assets within 10 km of the outermost turbines from which there would be predicted views of the turbines, and the location of those other wind farm developments most likely to have a cumulative effect on historic environment assets, particularly on those assets in close proximity to the proposed Inverclyde wind farm for which significant operational effects have already been predicted (Lurg Moor Roman fortlet (1653, site 12); Lurg Moor hut circle (12800, site 9); Garvock cairn (12829); Dowries cairn (12838); Muiredge cairn (12854), and Glen of Heckle Moor cairn (5952)). The locations of all Cumulative developments within 35 km of the site are shown on LVIA Figure 6.14, Volume 3.

9.174 The Cumulative developments considered by the assessment are:

- Cove Community Wind Farm (5 turbines, 92.5 m to blade tip; application);
- Finnock Bog Farm (single turbine 47 m to blade tip; consented);
- High Mathernock (single turbine, 61 m to blade tip; consented);
- Ladymuir (single turbine, 46 m to blade tip; application)
- Leitchland Farm (single turbine, 40.55 m to blade tip; consented)
- Lukeston Farm (single turbine, 47 m to blade tip; consented);
- Merkins (10 turbines, 120 m to blade tip; application); and,
- Priestsides Farm (two turbines, x m to blade tip; application)

9.175 Based on development size and/or proximity to the proposed Inverclyde wind farm, only Cove Community Wind Farm, High Mathernock, Merkins and Priestsides Farm, would have the potential to cause cumulative effects on any of the cultural heritage assets identified by the study in the ZTV. High Mathernock and Priestsides Farm lie approximately 2 km to the east of the closest of the turbines at the proposed Inverclyde wind farm (T9) whilst Cove Community Wind Farm and Merkins both lie almost 15 km from the site, to the north-east and north-west respectively.

9.176 No asset is predicted to undergo significant cumulative effects as a result of the operation of the proposed Inverclyde wind farm in combination with any, or all, of the above developments.

## Summary

9.177 A desk-based assessment and reconnaissance walk-over field survey have been carried out for the proposed Inverclyde wind farm. The study has covered the wind farm site and the proposed access route corridor and the assessment has been informed by comments and information supplied by HS and WoSAS. A summary of the predicted significant residual construction effects and operational effects, together with the mitigation proposed to offset these predicted effects, is provided below (in Table 9.12).

9.178 The assessment has identified 50 heritage assets of varying levels of importance, including two Scheduled Monuments within the initial site study area. Assets identified include prehistoric settlement remains, a Roman military fortlet and post-medieval farming and more recent remains.

9.179 An assessment of the known historic environment assets of the surrounding area indicates that there is a low to moderate probability of encountering sites or features of archaeological interest within the proposed wind farm site.

9.180 One potential construction effect, of potentially moderate significance has been identified; this affecting possible buried remains of a postulated Roman road associated with the known Roman fortlet to the north of the site. Three other, non significant, direct effects are also predicted. Mitigation has been proposed that would either reduce (preservation in situ, if practicable) or offset (through archaeological recording and the recovery of archaeological data) the one significant effect.

9.181 Significant residual operational effects are predicted on the settings of six individual historic environment assets and on the archaeological landscape on Lurg Moor and Corlic Hill (Table 9.12).

9.182 It is assessed that the cumulative effect from the proposed Inverclyde wind farm in combination with other wind farm schemes in the wider landscape on the setting of key historic environment assets would be minimal and not significant.

**Table 9.12: Summary of Residual Significant Construction and Operational Effects**

Likely Significant Effects	Mitigation Proposed	Means of Implementation	Outcome/Significant Residual Effects
<b>Construction</b>			
Excavations associated with the construction of turbine base and installation area for Turbine 1 could encounter remains of possible Roman road (2)	Archaeological watching brief; possible preservation in situ; archaeological excavation and post-excavation reporting. Any buried remains would be	Archaeological Planning Condition. The scope of works would be detailed in a Written Scheme of Investigation (WSI) and approved by Inverclyde	Moderate.

Likely Significant Effects	Mitigation Proposed	Means of Implementation	Outcome/Significant Residual Effects
	identified and recorded, and preserved in situ where possible. Effects offset through recording and increased knowledge.	Council.	
Ground disturbing excavations associated with the construction of the proposed wind farm could have an adverse effect on any unrecorded buried remains present in affected areas.	Mitigation through pre-construction trial trenching evaluation or construction phase monitoring of works through watching brief. Written guidelines would be issued for use by all construction contractors containing arrangements for calling upon retained professional support in the event that buried remains of potential archaeological interest should be discovered. Any buried remains would be identified and recorded. Effects offset through recording and increased knowledge.	Archaeological Planning Condition. The scope of works would be detailed in a Written Scheme of Investigation (WSI) and approved by Inverclyde Council.	Unknown
<b>Operational</b>			
Effect on setting of Roman fortlet (Scheduled Monument Index No 1653)	Offset mitigation through improved public awareness and provision of recreational access and interpretation. Effect offset through increased public awareness and interpretation.	Archaeological Planning Condition. The scope of works would be detailed in a Written Scheme of Investigation (WSI) and approved by Inverclyde Council.	Major
Effect on setting of Lurg Moor hut circle (Scheduled Monument Index No 12800)	Offset mitigation through improved public awareness and provision of recreational access. Effect offset through increased public awareness and interpretation.	Archaeological Planning Condition. The scope of works would be detailed in a Written Scheme of Investigation (WSI) and approved by Inverclyde Council.	
Effect on setting of Garvock cairn (Scheduled Monument Index No 12829)	None	n/a	Moderate-
Effect on setting of Dowries cairn (Scheduled Monument Index No 12838)	None	n/a	Moderate

Likely Significant Effects	Mitigation Proposed	Means of Implementation	Outcome/Significant Residual Effects
Effect on setting of Muiredge cairn (Scheduled Monument Index No 12854)	None	n/a	Moderate
Effect on setting of Glen of Hecklemoor cairn (SMR No 5952)	None	n/a	Moderate
Effect on setting of archaeological landscape of Lurg Moor and Corlic Hill.	Offset mitigation through improved public awareness and provision of recreational access. Effect offset through increased public awareness and interpretation.	Archaeological Planning Condition. The scope of works would be detailed in a Written Scheme of Investigation (WSI) and approved by Inverclyde Council.	Moderate



Technical Appendix 9.1: Historic Environment Assets within the initial site study area (Figure 9.1)

Site No.	Site name	Status	Easting	Northing	HER/ RCAHMS No.	Source	Description	Importance	Type of Effect	Magnitude of Effect	Significance of Effect
1	Carlick Bomb Crater (possible)		22925	67295	5949 / NS27SE 5	HER; RCAHMS; Field Survey	The HER and RCAHMS record this site as an early 20th century bomb crater. Newall (1964) described the feature as 'a hut circle, 7.6m in diameter, within a heavily-built wall 3.7m wide with a disturbed entrance to the east'. However, a visit by the OS (1964) recorded the site as a hollow about 8m in diameter, possibly a bomb crater, which gives the impression of having a low surrounding bank, located on a terrace below the south-east spur of Corlick Hill. Field survey recorded a slight hollow at the base of a steep slope and broadly conforming to the description given by the OS. The feature was heavily overgrown with heather and moss and difficult to distinguish, but it is unlikely to be a hut circle.	Lesser	None	None	None
2	Lurg Moor-Largs Roman Road		229	673	5947 / NS27SE 47	HER; RCAHMS; Field Survey	The HER and RCAHMS record is for the course of a Roman Road. The site was recorded by Newall (1963) who describes the road as running from 22958 67340 to 22500 67352 and as being cambered, 4.6m wide, accompanied over rocky ground by quarry pits, deviating from its general westward course at several points where it crosses the watersheds between hill ridges. However, a survey by the OS (1964) found no evidence of Roman construction at the site. Further investigation by Newall (1970, 1971) suggested that the alleged Roman Road may have been a patrol track rather than a road, providing signalling facilities to cover movement along the main Roman Road which lay further inland. Field survey did not identify any remains that could clearly be attributed to the Roman Road described by Newall along the route recorded in the HER. A linear, 100m long, east to west aligned section of drier, firmer ground (that may have once been part of a track) was recorded, running along the edge of a lower-lying boggy and waterlogged area at the base of a steep slope. This section of possible track is approximately 6m-8m wide, with a slight hint in places of a possible ditch running along the southern (upslope) side.	Unknown (Regional)	Direct: Conjectural alignment of possible Roman road overlain in one place by turbine base (T1) and installation area.	Low	Unknown (Minor)
3	Corlick Hill: Natural Features		229645	672345	5912 / N27SE 15	HER; RCAHMS; Field Survey	The HER and RCAHMS record that Black (1959) notes a 'green hillock with aligned stones but too disturbed and buried for definition' at this location. The OS (1964) describe the area as containing several "green hillocks" with some stone protruding from the turf, which all appear to be natural features. Field survey recorded the area as described by the OS. Numerous small mossy tussocks are evident at the grid reference cited and in the general area. These all appear to be natural in origin.	None	None	None	None
4	Burnhead Moor: Enclosures		230000	672500	5915 / NS27SE 18	HER; RCAHMS; Field Survey	The HER and RCAHMS record the remains of two enclosures (4a and b), identified by Newall (1964) and the OS (1964).	Local	None	None	None

Site No.	Site name	Status	Easting	Northing	HER/ RCAHMS No.	Source	Description	Importance	Type of Effect	Magnitude of Effect	Significance of Effect
							<p>4a: (Noted as a house by Newall in 1964). The remains of a D-shaped enclosure, 20m north-west to south-east by 12m transversely, formed by a turf bank with some stone showing. The bank, of which some 15m of the straight north-east side has been obliterated, has a maximum width of 4m and a maximum height of 0.4m. The entrance, 2m wide, is in the middle of the south-west side.</p> <p>4b: 25m east of 4a, there are the slight remains of a second enclosure, formed by a turf bank which continues as a scarp into the south face of a small knoll. The bank measures 3m wide and 0.3m high. The south-eastern half of this enclosure is obliterated but it has a conjectural diameter of about 10m.</p> <p>Field survey recorded the D-shaped enclosure (4a) and the bank (4b), as described by the OS survey. The banks are in fair condition, and still upstanding to the height recorded by the OS; although they are denuded in places, particularly the linear bank (4b).</p>				
5	Burnhead Moor: Hut circle/mound		230005	672585	7018 / NS27SE 4	HER; RCAHMS; Field Survey	<p>The HER and RCAHMS record a hut circle/mound identified by Newall (1964) who describes the hut circle as measuring 4.9 m in overall diameter, with a 0.6 m wide entrance to the east and standing on a low knoll, south of a small northern tributary to the Gryfe. A visit by the OS (1964) found the knoll described by Newall, but no trace of the hut circle. On top of the knoll the OS describe a slight green mound, about 6 m in diameter, which may be the feature described by Newall, but concluded that it is not a hut circle.</p> <p>Field survey did not identify a knoll or green mound at the grid reference cited. A bedrock knoll was found approximately 20 m to the west of the recorded location, but no archaeological features were identified on its summit.</p>	Unknown (Lesser)	None	None	None
6	Burnhead Moor: Hut circle		229910	672510	5950 / NS27SE 6	HER; RCAHMS; Field Survey	<p>The HER and RCAHMS record the remains of a hut circle, identified by Newall (1964).</p> <p>The hut circle is described by Newall (1964) as measuring, 6.1 m-7.6 m in diameter within a heavily-built wall 1.5 m thick with a 2.4 m wide entrance on the east. An 8.5 m length of walling runs east from the north side of the entrance. A stone and turf dyke curves uphill towards it but may not be associated. However, a visit by the OS (1964) did not find the hut circle.</p> <p>At the recorded location, field survey identified a roughly level area, heavily overgrown with heather, but nothing resembling a hut circle or a hut platform was identified. A tumbled stone field wall, depicted on the 2001 Ordnance Survey map, was found, to the north of the recorded location of the hut circle.</p>	Unknown (lesser)	None	None	None
7	Burnhead Moor: Hut Circles		230100	672470	63105	HER; Field Survey	<p>The HER records two hut circles (7a and b) based on a report supplied by Cameron in 2010.</p> <p>7a: (230060 672470) described as a flat area, slightly elevated above the surrounding moorland, with some rock exposed at the north-western end. Faint traces in</p>	Unknown (lesser)	None	None	None

Site No.	Site name	Status	Easting	Northing	HER/ RCAHMS No.	Source	Description	Importance	Type of Effect	Magnitude of Effect	Significance of Effect
							<p>the form of a low circular ridge, about 15 m in diameter, are visible on the flat raised area, at the north-western end. The ridge is possibly a hut circle, for which the flat raised area would have provided a suitable platform.</p> <p>7b: (230113 672469) about 50m to the east of 7a, another indistinct circular feature was recorded; however, this one is not raised above the surrounding land. Again, no exposed stone was visible; the feature was evident only as a circle of tussocks, about 17m in diameter.</p> <p>Field survey located the areas described by Cameron, but did not identify any remains suggestive of hut circles:</p> <p>7a: a flat area on the summit of a bedrock outcrop with a 1.2 m high face to the north. The flat area, measuring between 10 m and 15 m across by 25 m -30 m long, is defined by moss and heather, and a slight linear ridge, (similar to the one described by Cameron), running along the eastern edge of the bedrock out crop and measuring 0.2 m high. The 'ridge' does not appear to be anthropogenic in origin, and is more likely to be a result of underlying geology. There is no obvious second conjoining feature, but the 'ridge' is aligned NW-SE and so partially bisects the flat area of ground.</p> <p>7b: A flattish area is visible centered on 230118 672467 approximately 10 m in diameter with a slight gully running down-slope to the north-east. The area is quite tussocky with heather and no obvious bank around the flat area. Immediately adjacent, to the north, is a second flattish area at a slightly lower elevation. This is centered on the grid reference recorded in the HER.</p> <p>It is possible that both features 7a and b are the remains of hut platforms, but they are equally likely to be the result of geology and natural vegetation cover.</p>				
8	Burnhead Moor: Mound (possible hut circle); Polished Axehead		23052	67264	7013 / NS37SW 3	HER; RCAHMS; Field Survey	<p>The HER and RCAHMS record a mound and a polished axe-head identified by Newall (1964 and 1968).</p> <p>Newall (1964) describes a structure, possibly a hut circle, 8.8 m in diameter overall, but too overgrown for definition, at this location. The OS (1964) also recorded a circular, heather-covered mound 10 m in diameter and 0.6 m high. There are traces of stone round the perimeter and on top but its exact purpose could not be ascertained. This feature appears to be that described above but is a doubtful antiquity.</p> <p>Newall (1968) records that a grey volcanic ash polished axe with a thin, pointed butt was found at this location.</p> <p>Field survey recorded the mound as described by the OS. The mound is largely turf covered other than a few protruding stones (particularly evident on the western arc), and is flat on top rather than mounded, measuring 0.5 m-0.6 m high. It is possible that this feature is a hut circle with an in-filled centre as no trace of a bank was identified.</p>	Unknown (local)	None	None	None
9	Lurg Moor: Hut circle	Scheduled Monument (12800)	229814	673483	5909 / NS27SE 12	HER; RCAHMS; Field Survey	<p>The HER and RCAHMS record a hut circle identified by Newall (1964) and described as 9.5 m in diameter over 2.4 m wide foundations of boulder-faced rubble, with a</p>	National	Indirect: See Appendix 10.2	See Appendix 10.2	See Appendix 10.2

Site No.	Site name	Status	Easting	Northing	HER/ RCAHMS No.	Source	Description	Importance	Type of Effect	Magnitude of Effect	Significance of Effect
							0.8 m wide entrance on the east. Within, projected from the south, is a rectangular foundation, 2.4 m wide and divided into two compartments. A visit by the OS (1964) confirmed the hut circle as measuring 8.5 m in diameter. Field survey recorded the hut circle as being located on level ground at the base of a scarp. The hut circle is in fair condition and measures 8m internally, defined by walls measuring 1 m-1.2 m wide by 0.3 m-0.5 m high with a 0.8 m wide entrance on the east. The walls comprise of large coarse boulders, mostly turf-covered.				
10	Lurg Moor: Hut circles; Structures; Flint Scraper	NSR Site	229550	673380	5910 / NS27SE 13	HER; RCAHMS; Field Survey	<p>The HER and RCAHMS record a hut circle identified by Newall (1964) and described as 3.7 m in diameter, with a 0.6 m wide wall broken by a 1.5 m gap in the south. A fine fractured stone disc was found within it. A penannular northern annex, 3 m by 1.8 m was apparently entered independently from the south-east. A white flint scraper was found 2.4 m south of this hut, and a further 3 m south, there is a second hut, 4.3 m in diameter. A low mound, 7.3 m across, north-west of the first-mentioned hut may be a cairn rather than a hut.</p> <p>A visit by the OS (1964) identified the hut circle and described it as the bare outline of a small hut circle visible as a course of stones measuring 4.5 m in diameter with an entrance 1.2 m wide on the south. Attached to its north side is a smaller, sub-circular annex, some 3 m in diameter. Immediately south of the entrance is the outline of a rectangular structure, 6 m east-west by 4 m transversely. No information was obtained regarding the finds and no trace of a cairn was seen in the vicinity.</p> <p>Field survey recorded the features as described by the OS. They are poorly preserved and heavily overgrown, located on a flattish terrace in the lea of two bedrock outcrops. The hut circle is defined by a circular, largely turf-covered, dry-stone wall 0.8m wide by 0.2 m-0.3 m high. The sub-circular annex is now defined only by an arc of turf covered dry-stone walling on its eastern arc, 5 m in length by 0.5 m wide and 0.2 m-0.3 m high. The rectangular structure to the south is aligned north to south and is best preserved on its northern and eastern sides. The structure is defined by walls measuring 0.7 m wide by 0.2 m -0.4 m high enclosing an area approximately 4 m by 3 m. The low mound described by Newall may be the possible structure recorded here as site 38. The nature, form and dimensions of these structures are more suggestive of shieling huts rather than hut circles.</p>	Unknown (Local)	Indirect: See Appendix 10.2	See Appendix 10.2	See Appendix 10.2
11	Lurg Moor: Lithic working Site		229400	673640	5953 / NS27SE 9	HER; RCAHMS; Field Survey	The HER and RCAHMS record that traces of knapping occur over the entire length of the rock outcrop north and west of Lurg Moor Roman fortlet (12; NS27SE 2) and for some 200 m to the south. The site has yielded several quartz scrapers, several dozen struck flakes, two knapping anvils, twelve flint implements, two microlithic cores, and at least six quartz hammer stones, two grit hammer stones, a mid- section of a polished grey cement-stone axe, and numerous flakes of flint and	Local/Regional	None	None	None

Site No.	Site name	Status	Easting	Northing	HER/ RCAHMS No.	Source	Description	Importance	Type of Effect	Magnitude of Effect	Significance of Effect
							<p>obsidian. As some artefacts lie within peat, and others on the surface of the underlying glacial brash, it is possible that the site is complex. A Bronze Age barbed and tanged arrowhead was found in 1959. Three small cores and a number of tiny obsidian blades from the glacial brash suggest microlithic technique and may be earlier than other finds from the peat (Newall, 1959, 1963, 1964).</p> <p>A visit by the OS (1964) identified the site and described it as a large area of rock outcrop and cliff face.</p> <p>Field survey did not identify any bedrock outcropping at the grid reference cited in the HER, although the area was heavily overgrown with heather. A bedrock face was visible some 40 m-50 m to the north, at 229451 673698, running roughly northwards and forming the scarp edge of the hill summit on which the Roman Fort (12) is located.</p>				
12	Lurg moor Roman Fortlet and Roman Road	Scheduled Monument (1653)	229500	672950	12087; 5917; Ev187/ NS27SE 2	HER; RCAHMS; Field Survey	<p>The HER and RCAHMS record a Roman fortlet on Lurg Moor and an associated section of road. The Journal of Roman Studies (1953), states that the fort was probably built in the mid-2nd century AD (R W Feachem 1952) and was first observed on a National Survey air photograph in 1952. Measuring 42.7 m by 48.8 m overall, its east and west sides are well-preserved, the ramparts being 0.7 m high and the ditch 0.9 m deep. A causeway, about 4.6 m wide, runs south from the south gate for over 91 m.</p> <p>Newall (1955 and 1959) suggests that the area west and south of the fortlet may have been an annex; south of the fortlet and along the north side of the marsh is a line of heavy stones which may have formed part of a rampart. The remains of an earthen mound running north to south may mark the west limit of the annex. Newall (1976) later recorded a central gateway on the north side of the fortlet, the causeway from the south passing through the fortlet, and proceeding for some distance down the steep slope to the north.</p> <p>About a dozen fragments of Antonine pottery (Robertson 1966) were found by Newall (1955 and 1959) immediately south-west of the fortlet.</p> <p>A visit by the OS (1964) also recorded the fortlet and described it as measuring 52 m east to west by 44m transversely, and having a broad, heather-covered rampart about 10 m wide. This rampart is best preserved on the east side where it has an internal height of 0.8 m and an external height of 1.6 m. Here the rock-cut outer ditch is also well-preserved, the scarp being 0.8 m high. The causeway runs due south from the entrance in the south side of the fortlet, and can be easily traced for some 170 m, when it fades out on a rocky knoll above an area of boggy ground. It is about 5m in average width, and on places it has a distinct camber about 0.4 m high. The OS recorded that there is insufficient evidence on the ground to support Newall's assertion that there was an annex south and west of the fortlet.</p> <p>Field survey recorded the fortlet and section of surviving</p>	National	Indirect: See Appendix 10.2	See Appendix 10.2	See Appendix 10.2

Site No.	Site name	Status	Easting	Northing	HER/ RCAHMS No.	Source	Description	Importance	Type of Effect	Magnitude of Effect	Significance of Effect
							road as described. The road section is most pronounced nearest the fortlet, where a raised linear trackway is visible crossing a natural dip in the local topography.				
13	Maukinhill Moor: Hut circle		228932	673541	66412	HER; Field Survey	<p>The HER records the location of a circular feature visible on aerial photographs of Maukinhill Moor, around 43 0m due south of the circle recorded as WoSAS Pin 66410, or 630 m WSW of the Lurg Moor Roman fortlet. This structure is more oval in form than the feature identified to the north, though an entrance is clearly visible on the ground. (Information from Jennings, 19/06/12)</p> <p>Field survey did not identify any remains of a hut circle at this location. A slight scoop is visible in a bedrock outcrop at the location, with a flattish area to the north measuring approximately 7 m by 4 m-5 m across. The site does not appear to have been levelled to form a hut platform however, and appears to be natural.</p>	Unknown (lesser)	None	None	None
14	Crawberry Hill: Hut circle (possible)		228932	673541	66418	HER; Field Survey	<p>The HER records a circular feature that may represent a hut circle has been identified close to the summit of Crawberry Hill. The feature is visible on satellite aerial photographs, though oblique views of the same area are less clear, and it is possible that the feature could represent an area of outcropping bedrock protruding slightly above the surrounding landscape. Photographed from ground level, stone forming what appears to be a rear retaining wall is visible. A lot of loose stone is present in the immediate vicinity of the feature, possibly suggesting a predominantly dry-stone structure. (Information from Jennings, 19/06/12)</p> <p>Field survey identified a feature (14a) at 22835 673149 corresponding to the description given by Jennings. The feature appears to be a horseshoe-shaped quarry, cut into a west facing bedrock outcrop, measuring 4 m in diameter by 1.5 m deep. There is a possible second scoop to the south-west measuring 3 m in diameter by 0.5m deep. Loose stone (as described by Jennings) is present along the quarry edges to the west and south-west. The summit of Crawberry Hill (the grid reference given by the HER), and general area, is covered with small areas of bedrock outcrop.</p>	Lesser	None	None	None
15	Corlick Hill Farmstead		22902	67264	40440 / NS27SE 95	HER; RCAHMS; Historic Maps; Field Survey	<p>The HER and RCAHMS record that a farmstead annotated 'Corlick (ruin)' is depicted on the Ordnance Survey 1st Edition map (1864). The farmstead comprises one unroofed building, one roofed building and two enclosures. One unroofed building and two enclosures are shown on the 1980 Ordnance Survey 1:10,000 map. The Ordnance Survey Name Book (1863) describes the farmstead as "a ruin of what was formerly a farm steading."</p> <p>Roy' map (1747-55) depicts a farmstead annotated 'Corlick', shown with cultivation to the west and south. Ainslie (1796, 1821) also depicts 'Corlick'.</p> <p>The Ordnance Survey 2nd (1898), 3rd (1915) and 4th (1947) edition maps, and the 2001 edition depict the farmstead as comprising two unroofed buildings and two enclosures.</p>	Local	None	None	None

Site No.	Site name	Status	Easting	Northing	HER/ RCAHMS No.	Source	Description	Importance	Type of Effect	Magnitude of Effect	Significance of Effect
							Field survey recorded the farmstead on a south-facing slope surviving in fair condition. The easternmost building is gable-ended and measures 23 m by 7 m and is divided into three compartments. The building is defined by dry-stone walls 1 m wide by 0.4 m-1.2 m high, with an entrance 1 m wide on the western side. It is attached to an enclosure measuring 19 m by 3 m internally with walls 1 m wide and 0.8 m-1 m high and is terraced into the slope. The second building, to the west, measures 8 m by 8 m and is defined by walls tumbled out to 2.5 m in places and measuring 0.6 m-1.2 m high, with an entrance on the east. This building is attached to a larger, less well preserved enclosure, 40 m by 30 m internally defined by walls 1 m-1.5 m wide and 0.4 m-0.6 m high.				
16	Footpath		22900	67260		Historic Maps; Field Survey	A footpath is shown on the Ordnance Survey 1st Edition map (1864) running north to south across Burnhead Moor, before turning roughly south-east on Corlick Hill. The footpath is shown on subsequent editions (1898, 1915 and 1947), and is partly shown as a trackway on the 2001 edition of the Ordnance Survey map. Field survey recorded the pathway as a slight holloway at its south-eastern end, measuring 2 m-2.5 m wide by 0.2 m-0.3 m deep, intermittent and heavily overgrown with reeds and grass in places. The pathway becomes a roughly metalled surface once it turns northwards, and is still in use as a farm track. When the pathway deviates from the line of the modern farm track, it survives as a holloway 0.2 m-0.7 m deep in places, its course running along the upper contours of the edge of a steep west facing slope.	Local	Direct: former trackway alignment is crossed in one location by access track beyond Turbine 2	Low	Minor
17	Airshaft		228642	673362		Historic Maps; Field Survey	A circular airshaft is depicted on the Ordnance Survey 2nd Edition map (1898) and on subsequent editions (1915, 1947 and 2001). Field survey recorded a large, grassed-over, sub-oval mound approximately 3 m high with square metal cap covering the shaft opening on the southern side of the mound.	Lesser	None	None	None
18	Harelaw: Mounds		231100	672900	40476 / NS37SW 56	HER; RCAHMS; Field Survey	The HER and RCAHMS record that this site was identified during a desk-based study and field survey (Alexander and McGill, 1997) undertaken as part of Scottish Power's Inverclyde overhead transmission line proposals. The survey identified a number of irregularly shaped mounds ca. 100 m north of Harelaw Farm and it was suggested that these were either the result of agricultural activity associated with the abandoned farm or more recent disturbance associated with a landfill site. Field survey did not find any features corresponding to the description provided within the survey corridor. From the description provided it would appear these were either small field clearance cairns or modern spoil heaps.	Lesser	None	None	None
19	Harelaw Farmstead		231098	672752		Historic Maps; Field Survey	Roy's map (1747-55) depicts a farmstead annotated 'Hair Law', surrounded by cultivation. Ainslie (1796 and 1821) annotates 'Hairlaw' and 'Harelaw' respectively.	Local	Direct: access track crosses	Low	Negligible

Site No.	Site name	Status	Easting	Northing	HER/ RCAHMS No.	Source	Description	Importance	Type of Effect	Magnitude of Effect	Significance of Effect
							<p>The farmstead, annotated as 'Hairlaw', is depicted on the Ordnance Survey 1st Edition map (1864) and is shown comprising one roofed rectangular building, a large, fragmented rectangular enclosure to the north-east, and a sub-rectangular enclosure and a well to the west. The Ordnance Survey 2nd (1898) Edition map depicts an additional rectangular roofed building to the north and a small square building, set within an enclosure, with two additional enclosures to the south and west. An additional well is depicted to the east, together with a trackway to the farm running from the public road to the west. The large rectangular enclosure to the north-east is not shown. A similar layout is shown on the Ordnance Survey 3rd (1915) and 4th (1947) Edition maps, although the northernmost rectangular building is not now shown within an enclosure, but adjacent to a small square enclosure to the east, and the two additional enclosures previously shown to the south and west have become amalgamated. The farmstead is annotated 'Harelaw'. A similar layout is depicted on Ordnance Survey maps from 1958, 1970 and 1989. The buildings were unroofed by 1998, and only the enclosures are shown from 2000 onwards.</p> <p>The farmstead is visible on aerial photographs from 1945-6, where an extensive area of rig and furrow cultivation within former field systems is visible, together with the farmstead buildings and the large enclosure depicted on the Ordnance Survey 1st Edition map (1864). The northern extent of this former field system is shown as a dashed line on the Ordnance Survey 3rd Edition map (1915). Only a small possible area of rig and furrow cultivation is visible on modern satellite imagery (Google™), at the north-western extent of the area visible on aerial photographs.</p> <p>Field survey identified the remains of the enclosures depicted on the 2nd (1898) and 3rd (1915) Edition Ordnance Survey maps; these being defined by walls measuring 0.3 m-1 m wide, and 0.3 m-1 m high. The small square enclosure visible on the Ordnance Survey 3rd Edition map (1915) is defined by a post and wire fence. No trace of the eastern well was identified; modern metal capping possibly covers the location of the western well. No remains of the Ordnance Survey 2nd Edition (1898) rectangular or small square building were identified, although the outline of where the rectangular building may have been is evident as a slight cut in the ground, measuring 0.3 m-0.4 m deep (on the western side), where the building presumably had been slightly terraced into the slope. The possible remains of the southerly 1st Edition (1864) building, are visible as a rectangular turf covered raised area measuring approximately 10 m by 5 m by 0.5 m-1 m high. A slight rectangular depression 0.2 m-0.3 m deep possibly marks the extent of the large rectangular enclosure depicted on the Ordnance Survey 1st Edition map (1864). The trackway is surfaced and still in use at its south-western end nearest the public road. As it goes past the modern</p>		<p>areas of recorded rig and furrow cultivation, a farm track and a former enclosure wall.</p> <p>Access track passes close to location of former farm buildings</p>		



Site No.	Site name	Status	Easting	Northing	HER/ RCAHMS No.	Source	Description	Importance	Type of Effect	Magnitude of Effect	Significance of Effect
							<p>substation, and then bends to the south-east, the trackway becomes a 2.5 m wide slightly raised grassy track, still in use as a farm track.</p> <p>No trace of the rig and furrow field systems seen on aerial photographs was identified, although the area defined is more improved than the surrounding grass and bog.</p>				
20	Port Glasgow, Harelaw: Cairn		231519	672960	61418; Ev3208; Ev3320 / NS37SW 179	HER; RCAHMS; Field Survey	<p>The HER and RCAHMS record that a desk-based assessment, walkover survey and evaluation were carried out in March 2005 in advance of quarrying. Three clearance cairns were discovered (20-22). Thirteen trial trenches were excavated and two of the cairns (20, 22) were evaluated. They each consisted of a dump of cobbles on top of subsoil which had subsequently become overgrown with grass. Nothing was discovered to suggest they were anything other than clearance cairns. No other features of note were identified by the evaluation.</p> <p>Prior to excavation this cairn (20) was teardrop shaped in plan and measured 4.7 m by 2.4 m wide. It was largely covered in turf, with only a few stones protruding through. Upon excavation, the cairn was comprised of a 0.3 m deep deposit of large cobbles, which were within a matrix of topsoil. Below the cobbles was a firmly compacted, dark brown sandy clay with 40% inclusions of small pebbles. Below this lay the natural subsoil. It appears to have been a clearance cairn.</p> <p>Field survey recorded the cairn as previously described.</p>	Lesser	None	None	None
21	Port Glasgow, Harelaw: Cairn		231555	672939	55058; Ev3208; Ev3320 / NS37SW 180	HER; RCAHMS; Field Survey	<p>The HER and RCAHMS record this cairn as sub-square in plan and measuring 3.4 m by 1.8 m. The cairn is covered in turf with only a few of the stones visible. It consists of a deposit of large cobbles, piled to a maximum height of 0.35 m above the surrounding ground.</p> <p>Field survey recorded the cairn as previously described. It is now little more than a few boulders, relatively indistinct from the surface stones dotted about in the surrounding landscape.</p>	Lesser	None	None	None
22	Port Glasgow, Harelaw: Cairn		231550	672886	55059; Ev3208; Ev3320 / NS37SW 181	HER; RCAHMS; Field Survey	<p>The HER and RCAHMS record that prior to excavation, this cairn was sub-oval in plan and measured 12 m by 7.1 m and was possibly three cairns merged into one. The majority of the cairn was covered in turf with only a few stones visible. Excavation revealed a 0.4 m deep deposit of large cobbles, in a matrix of topsoil below which was firmly compacted, dark brown sandy clay s. Below that lay the natural subsoil.</p> <p>Field survey recorded the cairn as previously described.</p>	Lesser	None	None	None
23	East Dougliehill Reservoir: Reservoir; Dam		232350	673650	14982 / NS37SW 43	HER; RCAHMS; Historic maps; Field Survey	<p>The HER and RCAHMS record that a reservoir is visible on an Ordnance Survey large scale photograph (88/041/044).</p> <p>A sub-oval reservoir is depicted and annotated on the Ordnance Survey 1st Edition map (1864) with a dam and outlet on the north-eastern side. The reservoir is annotated on subsequent OS map Editions (1898, 1915,</p>	Local	None	None	None

Site No.	Site name	Status	Easting	Northing	HER/ RCAHMS No.	Source	Description	Importance	Type of Effect	Magnitude of Effect	Significance of Effect
							<p>1947, 1958, 1970 and 1989), and the dam and outlet are still shown running along the north-eastern end. The reservoir is shown as in-filled on Ordnance Survey Digital Data (2006), and houses are shown occupying the area to the north. Only the outline of the reservoir with the bank forming the dam are shown thereafter.</p> <p>Field survey recorded the reservoir as a large grass, scrub and tree filled depression surrounded by a post and wire fence. The dam is visible as a tree-lined linear feature on the northern edge.</p>				
24	East Dougliehill farmstead		231999	673674	40336 /	HER; RCAHMS;	<p>The HER and RCAHMS record that farmstead comprising one unroofed building and four roofed buildings is depicted on the Ordnance Survey 1st Edition map (1864). One partially roofed T-shaped building and one enclosure are shown on the 1989 Edition of the Ordnance Survey map.</p> <p>Ainslie's map (1796, 1821) depicts a farmstead annotated as 'Dougliehill'.</p> <p>The Ordnance Survey 1st Edition map (1864) depicts a farmstead annotated as 'East Dougliehill' and comprised of three rectangular roofed buildings and one small square building with an attached enclosure to the south, and a well to the west. The northernmost building is shown attached to an enclosure, and an irregular shaped enclosure is shown to the east of the other rectangular buildings.</p> <p>The Ordnance Survey 2nd Edition map (1898) does not show the northernmost rectangular building and enclosure, or the small square building. The remainder of the farm layout is still shown; the irregular enclosure contains two smaller enclosures. A similar layout is depicted on the Ordnance Survey 3rd (1915) and 4th (1947) Edition maps, with the addition of an L-shaped building within one of the smaller enclosures.</p> <p>The Ordnance Survey 1958 Edition depicts the two rectangular buildings visible on the Ordnance Survey 1st Edition map, the smaller of which is shown as unroofed. The irregular enclosure to the east of the farm buildings is also depicted. Ordnance Survey maps from 1970 and 1989 depict only the larger rectangular building with a small addition to its southern side, adjacent to the irregular enclosure. Ordnance Survey Digital Data (1998) depicts the farm building as L-shaped.</p> <p>Field survey recorded a modern L-shaped building set within an improved grass and tree-lined garden and a fence line marking the boundary of the former enclosures depicted on early Ordnance Survey mapping.</p>	Local	None	None	None
25	Grouse Butts		228904	673506	NS37SW 84	Historic maps; Field Survey	<p>A line of eight grouse butts is marked on the Ordnance Survey 1980 map running north to south. They are still shown on Ordnance Survey Digital Data from 1998-2001, but are not shown thereafter.</p> <p>Field survey did not identify any visible trace of the grouse butts within the survey area. The area was heavily overgrown with heather.</p>	Lesser	None	None	None

Site No.	Site name	Status	Easting	Northing	HER/ RCAHMS No.	Source	Description	Importance	Type of Effect	Magnitude of Effect	Significance of Effect
26	Cairn (possible)		230533	672633		Maps; Field Survey	Field survey identified a possible small oval cairn on the summit of a low grassy knoll. The cairn is visible as a low grassy mound aligned ESE-WNW, and measuring 5 m by 3.5 m by 0.6 m high. Loose stone is visible down-slope to the east and north-east. The function of the cairn is not clear; it could be a small prehistoric burial cairn, but (given its small size) is more likely to be a medieval/post-medieval clearance or marker cairn.	Unknown (Local)	None	None	None
27	Trackway		230600	6725940		Field Survey	Field survey identified a section of curvilinear trackway visible as a slight holloway measuring 1.5 m wide by 0.2 m high and with a slight bank on the eastern side measuring 0.4 m wide by 0.2 m high. The trackway is probably of relatively recent origin, and may be the remains of a former farm track.	Lesser	Direct: Main access track crosses northern end of trackway	Low	Negligible
28	Quarry		230376	672370		Field Survey	Field survey identified a small quarry measuring 5 m long by 0.5 m-0.7 m high.	Lesser	None	None	None
29	Turf Bank		229980	672310		Field Survey	Field survey identified a small section of denuded linear turf bank aligned north-east to south-west and measuring 20 m in length by 1.5 m-2 m wide and 0.3 m high.	Lesser	None	None	None
30	Hut Circle		229832	672410		Field Survey	Field survey identified a hut circle located on a roughly level area of the lower contours of a south-facing slope. The hut circle measures 7 m in diameter internally, and is defined by a cut into the slope on the north-east side measuring 0.4 m deep, and turf covered stone banks measuring 2 m wide and 0.2 m-0.3 m high with a 1.5 m wide entrance to the south-east. The remains of a second structure (possibly later) are attached to the south-east corner of the entrance, visible as a denuded L-shaped turf and stone bank measuring 0.6 m wide by 0.2 m high and enclosing an area measuring 3 m by 2 m.	Regional	None	None	None
31	Peat cutting		229696	672425		Field Survey	Field survey identified a poorly defined and heavily overgrown area of sub-square peat cutting measuring approximately 12 m by 10 m and 0.3 m deep.	Lesser	None	None	None
32	Clearance cairn (possible)		229583	672283		Field Survey	Field survey identified the remains of a poorly preserved probable clearance cairn, visible as a sub-oval spread of scattered stones measuring 7 m by 3 m by 0.1 m high within rough pasture on a flat area of the upper contours of a south-facing slope.	Lesser	None: (access track passes in close proximity)	None	None
33	Sheepfold/Enclosure		229268	672486		Field Survey	The Ordnance Survey 2nd Edition map (1898) depicts an unroofed, small square structure with the remains of a wall of an enclosure extending northwards from its north-west corner. The structure is also depicted on subsequent map editions. Field survey recorded the remains of a sub-square dry-stone walled structure measuring at least 5 m by 5 m defined by walls on the north, west and south sides 0.6 m-1 m wide by 1 m-1.2 m high. A length of dry-stone wall approximately 18 m long by 1 m wide by 0.3 m-1 m high extends from the north-west corner, curving slightly to the north-east. The structure is probably the remains of a sheepfold.	Lesser	None	None	None
34	Marker cairn		229690	672967		Historic Maps; Field	Field survey identified a small, sub-circular cairn on a flat area in rough pasture near the summit of a plateau. The	Local	None: (Access	None	None

Site No.	Site name	Status	Easting	Northing	HER/ RCAHMS No.	Source	Description	Importance	Type of Effect	Magnitude of Effect	Significance of Effect
						Survey	cairn measures 3 m by 2.3 m by 0.6m high with medium sized angular stones visible on the south-west side, the remainder being heather-covered. The cairn may be the remains of a shepherds cairn or marker cairn used in early Ordnance Survey mapping		track to borrow pit passes in close proximity)		
35	Bomb Crater (possible)		229960	672971		Field Survey	Field survey identified a circular water-filled, boggy depression 12 m in diameter by 0.5 m-1 m deep. There are no visible remains of any bank, and the interior is water-filled and slightly concave. Local information (from the tenant farmer) indicates that this is an old bomb crater.	Lesser	None	None	None
36	Quarry		230204	672891		Field Survey	Field survey identified a horseshoe-shaped quarry, cut into a south-east facing slope, with a small spoil heap adjacent to the south-east. The quarry measures 8 m in diameter by up to 1.5 m deep.	Lesser	None	None	None
37	Structure (possible shieling hut)		229773	673381		Field Survey	Field survey identified the poorly preserved remains of a possible sub-circular structure located on a level area at the summit of hill. The structure is poorly defined as a denuded alignment of stone and turf, 0.7 m-1 m wide by 0.2 m-0.3 m high and roughly aligned in a semi-circular shape defining an area approximately 5 m by 3 m. A small pile of stones measuring 1m across is visible in the southern part of the structure. The feature is poorly defined making interpretation difficult, but its shape, form and dimensions suggest it may be the remains of a shieling hut or bothy.	Unknown (local)	None	None	None
38	Structure (possible shieling hut)		229510	673406		Field Survey	Field survey identified the poorly preserved remains of a possible structure located on a level area between two knolls. The possible structure is defined by two roughly parallel linear alignments of stone and turf measuring 2 m by 1.5 m and 1.5 m by 0.5 m respectively, and upstanding to 0.2 m high, loosely defining an area measuring 5 m by 5 m. Several loose stones are visible to the north-east which may be tumble stones. One of the stones in the easternmost section has been recently disturbed, revealing peat, and two small angular stones beneath. The possible structure may be the cairn or mound described by Newall (1964) to the north-west of a recorded hut circle (10). The feature is poorly defined, making interpretation difficult, but its shape, form and dimensions suggest it may be the remains of a shieling hut (also a possible interpretation for the features recorded as part of site 10).	Lesser	None	None	None
39	Rig and Furrow		229351	672280		Field Survey	Two areas of rig and furrow cultivation are visible on aerial photographs from 1945 and on modern satellite imagery (Google™). Field survey identified occasional traces of denuded and poorly defined rig within an area of slightly improved ground. The rig measures 0.2 m high with a wavelength of 3 m-4 m wide and is largely bracken covered.	Lesser	None	None	None
40	Building platform (possible)		229985	673675		Aerial photographs; Field Survey	Field survey identified a sub-rectangular roughly level area measuring 16 m by 9 m by 0.2 m high overall, consisting of amorphous grassy humps, some with linear edges, and with slight linear cuts/depressions into the	Lesser	None	None	None

Site No.	Site name	Status	Easting	Northing	HER/ RCAHMS No.	Source	Description	Importance	Type of Effect	Magnitude of Effect	Significance of Effect
							turf, together with two low piles of medium angular stones measuring 1.5 m across. The feature may be relatively recent and associated with the nearby construction of an overhead power transmission line.				
41	Structures (possible shieling huts)		230417	673409		Field Survey	Field survey identified two conjoined dry-stone walled structures located on the terrace of an east facing slope. The northernmost structure is circular measuring 3.5 m in diameter defined by walls measuring 0.1 m-1 m wide and 0.2 m-0.4 m high. The second structure to the south is much tumbled and is largely a sub-square pile of rubble measuring 6 m by 5 m, with walls (where visible) measuring 1 m wide by 0.3 m-0.4 m high. The structures may represent the remains of two shieling huts.	Local	None	None	None
42	Lambing pen/shieling hut		230364	673244		Field Survey	Field survey identified a sub-square possible lambing pen or small shieling hut, measuring 3.5 m by 2 m defined by dry-stone walls measuring 1 m by 0.4 m high. A possible annex extended off to the east, may originally have been the remains of a field boundary, is now overlain with a post and wire fence.	Lesser	None	None	None
43	Drainage system		230450	673100		Field Survey	Field survey identified a substantial land drainage and water management system, probably relating to Harelaw reservoir. The system comprises concrete-lined canalised drains measuring 1 m-1.5 m across by 0.6m-2 m deep, fed by burns, together with two brick-built sluices (43b and c), measuring 10 m by 5 m and 8 m by 2 m-4 m respectively, with cast iron sluice gates. One unlined drain had been blocked off with concrete (43a), and a small cast iron sluice is inscribed with the date '1908'. The remains of three footbridges are also visible along the length of the drainage system, formed from wooden planks and iron girders.	Local	None	None	None
44	Clearance cairn		230903	672770		Field Survey	Field survey identified a probable field clearance cairn measuring approximately 4 m in diameter by 0.6 m high and largely covered with turf and gorse bushes.	Lesser	None: (access track passes in close proximity)	None	None
45	Enclosure; Platform		231687	673148		Field Survey	Field Survey identified the poorly preserved and denuded remains of a sub-circular enclosure measuring 10 m in diameter and defined by a low turf bank measuring 1 m wide by 0.2 m-0.3 m high. The enclosure bank is located on a level platform, measuring approximately 20 m across by 0.3 m-0.8 m high.	Local	None: (access track passes in close proximity)	None	None
46	Clearance cairn		231700	673126		Field Survey	Field survey identified a field clearance cairn measuring 3 m in diameter by 1.2m high and comprising of medium to large angular stones with occasional pieces of modern rubble material.	Lesser	None: (access track passes in close proximity)	None	None
47	Rifle Range		231811	673423		Field Survey	A rifle range is depicted and annotated on the Ordnance Survey 2nd (1898) Edition map. Two targets are shown along the edge of a field boundary to the south of 'East Douglehill' farmstead together with a trackway to the north of the targets running approximately north-west-south-east. Two small square buildings (47a and b) are	Local	Direct: Access track crosses former rifle range and trackway (passes in	Low	Negligible

Site No.	Site name	Status	Easting	Northing	HER/ RCAHMS No.	Source	Description	Importance	Type of Effect	Magnitude of Effect	Significance of Effect
							<p>shown along the southern edge of the trackway. The Ordnance Survey 3rd (1915) and 4th (1947) Edition maps depict the two targets, and annotate the easternmost target as 'old targets'. The trackway and two small square buildings are also shown, together with distance markers of 100 to 400 yards, aligned north-west to south-east to the north-west of the targets. Only the trackway running across the rifle range is shown on subsequent maps (1958, 1970 and 1989).</p> <p>Field survey identified one of the square buildings (47a) as measuring 15 m by 5 m by 1.2 m high, with two compartments, and largely defined by a pile of stone and brick rubble. The line of the trackway was intermittently discernible as a slight linear depression measuring approximately 2 m wide by 0.1 m deep. There is no surviving trace of the second building (47b).</p>		close proximity to location of former building 47b)		
48	Clearance cairn		231771	673197		Historic Maps; Field Survey	Field survey identified an area of recent field clearance/stone dumping measuring 4 m by 2.5 m by 1 m - 2 m high at the side of a burn.	Lesser	None: (access track passes in close proximity)	None	None
49	Devol Moor: Enclosure; Field Bank		231400	673100		Field Survey	<p>The HER and RCAHMS record that Newall (1976) identified an elongated sub-oval turf-walled enclosure measuring 8.9 m east-west by 5.5 m, located on the north side of a minor east-west field boundary. Site lies outwith access road survey buffer.</p>	Local	None	None	None
50	Corlick Hill; Structures (possible)		229750	672250	7011 / NS37SW 28	HER; RCAHMS;	<p>The HER and RCAHMS record that Black (1959) records that 'a green hillock comprises a rectangular build 22ft by 18ft, an apsidal build of outstanding large stones north of a very markedly hollow rectangle, 17 1/2ft by 14ft, and a rectangular build 22ft by 15ft with, possibly, internal cross divisions' is visible at this location.</p> <p>A later visit by the Ordnance Survey (1964) records that no trace of features matching this description were seen in this area. A prominent natural hillock, much-mutilated, was noted at the location which may be the same hillock mentioned by Black. The hillock may have been quarried to provide stone for a nearby stone dyke.</p> <p>Field survey did not record any remains of the features described by Black (1959).</p>	None	None	None	None

Technical Appendix 9.2: Historic Environment Assets within 10 km of the site

Site ID	Site Name	Status	Easting	Northing	Distance to nearest Turbine (km)	No. Turbine tips visible	Heritage Importance	Setting	Contribution of setting	Sensitivity of Setting	Magnitude of Effect	Significance of Effect
717	Carman, Fort, Renton	Scheduled	237190	679455	9.8	10	National	Well-preserved remains of Iron Age fort located on the south and east facing slopes of summit of Carman Hill in rough pasture. Extensive views out in southern arc across to Firth of Clyde, and particularly in south-east direction along valley in which Alexandria located. High social and experiential value due to archaeological potential and topographic location.	High	High	Imperceptible: 10 turbines theoretically visible but in distant views at almost 9 km away. Site visible on distant horizon, but not in other main arc of views out to south-east. Fort on edge of visual envelope.	Negligible
1651	Kempock Stone, Inverkip	Scheduled	224079	677856	6.7	5	National	Probable Bronze Age standing stone located within an enclosure on top of a cliff overlooking Kempock Point. Main views along Firth of Clyde. Within semi-urban setting of Gourrock. High social value due to archaeological potential and local folk-law traditions.	Low	Medium	Imperceptible: only 5 turbines theoretically and in distant views at over 6.5 km away. Semi-urban setting and main views along the shore and Firth of Clyde.	Negligible
1653	Lurg Moor, Roman Fortlet and Roman Road	Scheduled	229502	673683	0.3	10	National	One of best preserved fortlets in Scotland, forming part of Roman military infrastructure designed to protect the coastline and hinterland of the Antonine Wall during this period. Deliberately located on prominent ridge on edge of upland moorland hinterland. Commands extensive views northwards over Firth of Clyde, together with views into hinterland along what remains of visible road to south (conjectural line then heads westwards (site 2). Forms a visible feature in local landscape from lower lying areas to north. High social and experiential value due to archaeological potential/historical/architectural properties and landscape siting.	High	High	High-Medium: Figure 9.4 indicates that 7 turbines would be visually prominent in close proximity to fort in direct views along road from fort. Presence of turbines would adversely affect ability to appreciate landscape siting of fortlet in relation to hinterland and therefore understanding of Roman military planning and infrastructure. LVIA VP 19 from Corlic Hill shows turbines would be visually prominent in, and would interrupt, views of fort from the hinterland and along ridgeline. Turbines visible in views of fort from lower lying areas (e.g., LVIA VP's 8, 9, 21-22), but reduced in number and partly screened by the ridgeline.	Major (Figure 9.4; LVIA VP 19, Figure 6.43)

Site ID	Site Name	Status	Easting	Northing	Distance to nearest Turbine (km)	No. Turbine tips visible	Heritage Importance	Setting	Contribution of setting	Sensitivity of Setting	Magnitude of Effect	Significance of Effect
3244	Loch Thom-Overton, Water Cut	Scheduled	224714	673914	4.3	10	National	Part of early 19th century water management and transportation system designed by Robert Thom. Rare type of Industrial monument in Scotland. High social value due to architectural/historical properties.	High (localised)	High (localised)	Imperceptible: 10 turbines theoretically visible, but in medium views. Localised setting and landscape setting not intrinsic to understanding/importance of asset.	Negligible
4379	Craigmarloch Wood, Fort	Scheduled	234444	671854	4.4	10	National	Good example of well preserved Iron Age lowland vitrified fort with excavation showing development from palisaded enclosure to fort. Located on summit of knoll within scrub and woodland, but would have commanded views of surrounding landscape. Other possibly related monuments in wider landscape at Castle Hill (6868) and High Castlehill (12886). High social value and some experiential value due to archaeological potential, related monuments and topographic location.	High	High	Low: Figure 9.5 shows that all 10 turbines would be visible above the skyline on the horizon at almost 4.5 km away. Turbines would present a discernible change to views from the fort in this direction but not in others. Site would not be visible/intervene in any visual relationships with other possible related sites in wider landscape. No affect on archaeological potential.	Minor (Figure 9.5)
5404/ 1177	Kilmahew Castle	Scheduled and Category B Listed	235171	678666	7.8	10	National	Ruinous 15th to 17th house with 19th century alterations, located on gently rising ground. Potential good views out into Firth of Clyde and opposite shore, but largely screened from surrounding mixed trees/woodland. Medium social value due to architectural/historical properties and picturesque setting.	Medium (Localised)	High (localised)	Imperceptible: 10 turbines theoretically visible in distant views at over 7.5 km away. Views out to development largely screened by trees	Negligible



Site ID	Site Name	Status	Easting	Northing	Distance to nearest Turbine (km)	No. Turbine tips visible	Heritage Importance	Setting	Contribution of setting	Sensitivity of Setting	Magnitude of Effect	Significance of Effect
5464	Hill Of Ardmore, Tower 110m SW of	Scheduled and Category B Listed	231575	678567	5.6	10	National	16th to 17th century tower located at base of cliff on small peninsula of land forming picturesque planned grounds of Ardmore House. Potential good views out into Firth of Clyde and opposite shore, but largely screened from surrounding mixed trees/woodland. Localised setting within Ardmore grounds. Medium social value due to architectural/historical properties and picturesque setting.	High (localised)	High (localised)	Low: 10 turbines theoretically visible in medium-distant views at over 5.5 km away. Views partly screened by trees but development would be visible in direct views to opposite shore, but would not greatly affect the ability to appreciate historical/architectural properties.	Minor
5522	Duchal Castle	Scheduled	233460	668518	5.5	10	National	Extensive 13th century castle, now ruinous, located on a prominent knoll at confluence of Green Water and Black Water in a secluded north-west to south-east valley setting. Screened by mixed woodland. High social value due to archaeological potential/architectural/historical properties.	High (localised)	High (localised)	Imperceptible: 10 turbines theoretically visible in medium distant views at 5.5 km away in views to north-west. View largely screened by trees and remains not obvious landscape feature.	Negligible.
7339/1152	Cardross Old Parish Church	Scheduled and Category B Listed	234938	677289	6.7	10	National	Ruinous early 19th century church built on site of former 17th century church. Built in 'spikey gothic' style of James Dempster. Located within Cardross Conservation Area. Views out screened by other village buildings. Localised semi-urban setting. High social value due to historical/architectural properties.	Medium (Localised)	high (localised)	Imperceptible: 10 turbines theoretically visible in distant views at over 6.5 km away. Views screened by other buildings. Localised setting within Cardross Conservation Area.	Negligible
9654	St Serfs Church, Dumbarton	Scheduled	239350	675006	9.6	10	National	Remains of Medieval parish church, altered and rebuilt in 19th century, located on gently rising ground within Levensgrove Park. Secluded setting largely screened by mixed trees within park. High social value due to architectural/historical properties and archaeological potential.	Medium (Localised)	High (localised)	Imperceptible: 10 turbines theoretically visible but in distant views at over 9.5 km away. Secluded setting and partly screened by trees.	Negligible

Site ID	Site Name	Status	Easting	Northing	Distance to nearest Turbine (km)	No. Turbine tips visible	Heritage Importance	Setting	Contribution of setting	Sensitivity of Setting	Magnitude of Effect	Significance of Effect
12800	Lurg Moor, Hut Circle 1180m SW of Knocknairshill	Scheduled	229815	673484	0.3	7	National	Well preserved hut circle located on north-east facing slope set into low bedrock outcrop to south in upland moorland. Open views across moorland to north and east and over to Firth of Clyde. Views more restricted to south. Overhead power transmission cable in views to north and east on near horizon. Other hut circles in area, including 5951, and possible remains to south (5910). High social value due to archaeological potential, and other related sites in area.	High (localised)	High (localised)	Medium-Low: Figure 9.6 shows similar view to that from Lurg Moor Roman fortlet (1653), although turbines would be slightly more screened by local topography from hut circle. Shows that 7 turbines (4 hubs) would be visually prominent in views from hut circle in this direction forming a discernible change to surroundings and partially altering setting. Not in open views out to north and east however, and would not adversely affect ability to understand wider hut circle landscape as turbines either not in same views, or other sites wouldn't be intervisible.	Major/Minor (Moderate) (Figure 9.6)
12810	Overton Reservoirs 1-8 and Associated Channels, Clyde Muirshiel Park	Scheduled	225124	673967	3.9	8	National	Part of early 19th century water management and transportation system designed by Robert Thom. Rare type of Industrial monument in Scotland. High social value due to architectural/historical properties.	High (localised)	High (localised)	Imperceptible: 8 turbines theoretically visible, but in medium views. Localised setting and landscape setting not intrinsic to understanding/importance of asset.	Negligible
12824	Burnbank Water, Settlement 1740m S of Hillside	Scheduled	229517	668331	3.9	10	National	Well preserved remains of later prehistoric settlement located on north-east facing slopes forming Burnbank Water valley in upland moorland. One of a number of later prehistoric settlements focused along watercourses in upland moorland landscape including 12868 to north. Views out to surrounding landscape but localise setting to Burnbank Water. Overhead transmission line visible in views to north. High social value and some experiential value due to archaeological potential, related monuments and landscape location.	High (localised)	High (localised)	Low: Figure 9.7 shows that 10 tips (3 hubs) would be visible in views northwards beyond horizon. Turbines partly back dropped by topography and not within localised landscape setting of hut circles along Burnbank Water. Site would be visible behind other settlements located to north, but in distant views.	Minor (Figure 9.7)

Site ID	Site Name	Status	Easting	Northing	Distance to nearest Turbine (km)	No. Turbine tips visible	Heritage Importance	Setting	Contribution of setting	Sensitivity of Setting	Magnitude of Effect	Significance of Effect
12826	Larkfield Battery, Anti-Aircraft Battery 175m ESE of 1 Hilltop Road	Scheduled	224660	676531	5.4	3	National	Well preserved anti-aircraft battery located on a plateau overlooking Greenock and Gourrock, in scrubland, and forming some of the remains of the Clyde Gun Defended Area. The battery has extensive views to the north and south, allowing cover of the sky on the main axis of approach of enemy aircraft. High social and experiential value due to archaeological/historical/architectural properties and relationship to local populations.	High	High	Imperceptible: only 3 turbines theoretically visible, in medium-distant views at over 5 km away. Site not visible in key north to south axis; in addition, views of sky, rather than immediately above skyline would be important.	Negligible
12828	Whitelees Cottage, Bombing Decoy Control Bunker 230m NW of	Scheduled	227557	673419	1.4	10	National	Surviving WWII decoy located in upland moorland, strategically located to south of major target of Greenock. Localised setting to specific locale, and wider landscape setting within Greenock. High social and experiential value due to historical/architectural properties and relationship to local populations	High (localised)	High (localised)	Low: 10 turbines theoretically visible on near horizon, but very localised setting to specific locale of decoy, and turbines would not be visible in wider landscape setting associated with Greenock.	Minor
12829	Garvock, Cairn 780m ENE of	Scheduled	226333	671485	3.1	10	National	Burial cairn of earlier prehistoric date located on lower north-facing slopes of Colaouse Hill in upland moorland with good views northwards, although partly screened by commercial forestry on near horizon. Reservoir in close proximity to north. Other related monuments in area including cairns to north, east and south (5952, 12838, 12854). High social and some experiential value of site due to archaeological potential, related monuments in landscape and landscape location.	Medium	High	Medium-Low: More extensive views currently partly screened by forestry, but Figure 9.8, (similar to that that from Dowries cairn (12838), Figure 9.9), shows that all 10 turbines would be clearly visible in main views north-eastwards from cairn, largely above skyline on and beyond horizon. Turbines would be partly visible in same views when looking towards other cairns to east, but would not physically intervene in any visual relationship between related monuments. Would partially materially alter baseline setting of cairn.	Major/Minor (Moderate) (Figure 9.8)

Site ID	Site Name	Status	Easting	Northing	Distance to nearest Turbine (km)	No. Turbine tips visible	Heritage Importance	Setting	Contribution of setting	Sensitivity of Setting	Magnitude of Effect	Significance of Effect
12838	Dowries, Cairn 495m SW of	Scheduled	226876	670316	3.4	10	National	Prominent burial cairn of earlier prehistoric date located on north-facing slopes of Creuch Hill in upland moorland with extensive views northwards. Other related monuments in area including cairns to north (5952, 12829, 12854). High social and some experiential value of site due to archaeological potential, related monuments in landscape and landscape location.	High	High	Medium-Low: Figure 9.9 shows that all 10 turbines would be visible in main views north-eastwards from cairn, largely above skyline on and beyond horizon. Turbines would be visible in same views when looking towards other cairns, but would not physically intervene in any visual relationship between related monuments. Would partially materially alter baseline setting of cairn.	Major/Minor (Moderate) (Figure 9.9)
12839	Garvock, Farmstead 825m SE of	Scheduled	226298	670713	3.6	10	National	Well preserved remains of pre-improvement farmstead located on north-east facing slopes of Colaouse Hill in upland moorland. Example of small-scale late-medieval/post-medieval rural settlement. Related monuments in wider landscape, but localised setting. High social value and some experiential value due to archaeological potential/historical properties, related sites and landscape location.	High (localised)	High (localised)	Low: 10 turbines theoretically visible in medium-distant views at over 3.6 km away. Localised setting, wider landscape setting not intrinsic to understanding monument.	Minor
12854	Muiredge, Cairn 1050m W of	Scheduled	228023	671428	1.8	10	National	Burial cairn of earlier prehistoric date located on lower north-east facing slopes along Gryfe Reservoir. Currently within operational commercial forestry plantation with reservoir immediately to north. Views to north and east. Other related monuments in area including cairns to north, west and south (5952, 12838, 12829). High social value of site due to archaeological potential and related monuments in landscape.	Low	Medium	Medium-Low: Figure 9.10, shows that all 10 turbines would be clearly visible in main views north-eastwards from cairn, on near horizon. However, location within operational commercial forestry plantation detracts from landscape setting of cairn. Turbines not visible in any views towards other related cairns in wider landscape.	Moderate/Minor) (Figure 9.10)

Site ID	Site Name	Status	Easting	Northing	Distance to nearest Turbine (km)	No. Turbine tips visible	Heritage Importance	Setting	Contribution of setting	Sensitivity of Setting	Magnitude of Effect	Significance of Effect
12868	Hillside, Roundhouses 690m WSW of and 780m and 830m SW of	Scheduled	229276	669563	2.7	10	National	Well preserved remains of later prehistoric settlement located on north facing slopes forming Green Water valley in upland moorland. One of a number of later prehistoric settlements focused along watercourses in upland moorland landscape including 12824 to south. Some views out to surrounding landscape, but distant views largely eastwards along Green Water valley. Localised setting to Burnbank Water. High social value and some experiential value due to archaeological potential, related monuments and landscape location.	High (localised)	High (localised)	Low: Figure 9.11 shows that 10 tips (3 hubs) would be visible in views northwards beyond horizon. Turbines partly back dropped by topography and not within localised landscape setting of hut circles along Green Water. Site would be visible behind other settlements located to north, but in distant views.	Minor (Figure 9.11)
12871	Finlaystone House, Timber Ponds 505m NE of	Scheduled	236940	673949	7.0	9	National	Rare surviving example of early to mid-18th century timber ponds located on southern foreshore of Firth of Clyde, close to present-day docks. Structures visible at most times other than high tide. International links to Canada and North America and Clyde estuary maritime trade. Localised setting to Clyde estuary. High social and experiential value due to archaeological potential/architectural and historical properties.	High (localised)	High (localised)	Imperceptible: 9 turbines theoretically visible but in distant views at 7 km away. Localised setting to foreshore and Forth of Clyde.	Negligible

Site ID	Site Name	Status	Easting	Northing	Distance to nearest Turbine (km)	No. Turbine tips visible	Heritage Importance	Setting	Contribution of setting	Sensitivity of Setting	Magnitude of Effect	Significance of Effect
12883	High Mathernock, AA Battery 350m WSW and Camp 360 SW of	Scheduled	232235	670899	2.6	10	National	Well preserved anti-aircraft battery and camp located in grass and rough pasture in valley to south of Port Glasgow. Forms some of the remains of the Clyde Gun Defended Area. The location has extensive views to the east and west, and also positioned to help cover the sky on the main north-south axis of approach of enemy aircraft. High social and experiential value due to archaeological/historical/architectural properties and relationship to local populations.	High	High	Low: 10 turbines theoretically visible, in medium views at over 2.5 km away. LVIA VP 11 gives some indication of views to west of asset. Site not directly visible in main east to west views, or in north to south approach axis; in addition, views of sky, rather than immediately above skyline would be important.	Minor
12886	High Castlehill, Enclosure 55m WSW of	Scheduled	235064	672282	5.0	10	National	Well preserved later prehistoric (Iron Age) defended settlement located in a prominent position on the summit of a knoll in an area of semi-improved pasture. Currently surrounded by scrub and low woodland, but would have good surrounding distant views. Other possible related sites in area including Craigmearloch Wood fort (4379) and Castle Hill (6868). High social value due to archaeological potential and other related sites. Some experiential value.	Medium	High	Low: 10 turbines theoretically visible but in medium-distant views at 5 km away (see Figure 10.5, from Craigmearloch Wood fort). Site only visible in views in one direction, and would not be visible on views to other related monuments to south (Castle Hill), or in direct line of site behind Craigmearloch Wood fort (4379).	Minor
12887	Ladymuir, Settlement 2.3km W of	Scheduled	232318	664381	8.3	10	National	Later prehistoric settlement located in upland moorland on east-facing slopes of Cat Craig. More extensive views out to east. Localised setting to slopes of Cat Craig and valley. High social value due to archaeological potential. Some experiential value.	High (localised)	High (localised)	Imperceptible: 10 turbines theoretically visible but in distant views at over 8 km away. Localised setting and site not visible in main east-facing views.	Negligible

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12889	Steel Cottage, Anti-Aircraft Battery 480m NW of	Scheduled	237626	672035	7.5	10	National	Well preserved anti-aircraft battery located on a south-east facing slope in rough pasture, and forming some of the remains of the Clyde Gun Defended Area. The battery has extensive views to the north and south, particularly to Dumbarton, allowing cover of the sky on the main axis of approach of enemy aircraft. High social and experiential value due to archaeological/historical/architectural properties and relationship to local populations.	High	High	Imperceptible: 10 turbines theoretically visible, but in distant views at 7.5 km away. Site not visible in key north to south axis and views to Dumbarton; in addition, views of sky, rather than immediately above skyline would be important.	Negligible
12892	Duchal House, Motte 570m NE of	Scheduled	235806	668348	7.0	3	National	Substantial mound forming remains of 12th-13th century Anglo-Norman motte. Located in prominent position overlooking Gryfe Water in rural setting with distant views to east and south. Some screening form mixed woodland on near horizon to west. High social value due to archaeological potential/historical/architectural properties. Some experiential value.	High (localised)	High (localised)	Imperceptible: only 3 turbines theoretically visible and in distant views at 7 km away. Site not in long-distant views from motte.	Negligible
12894	Langbank, Crannog 180m ENE of Clydeview	Scheduled	238121	673548	8.1	5	National	Well preserved remains of Iron Age marine crannog, visible on the tip of a low relief promontory, visible only at low tide. One of a number of marine crannogs located along the Firth of Clyde, although rare in Scotland generally. High social value due to archaeological and historical properties and other related monuments along Clyde.	High (localised)	High (localised)	Imperceptible: only 5 turbines theoretically visible and in distant views at over 8 km away. Crannog only visible at low tide, and localised setting to the Firth of Clyde and the shoreline.	Negligible

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90107 (24880)	Dumbarton Castle	Scheduled and Category A Listed (Listed Building element not in ZTV)	239999	674486	10.1	10	National	Well-preserved remains of Georgian fortifications and garrison, together with earlier upstanding medieval castle elements, and buried early medieval fort remains, located in prominent and commanding situation on summit of Dumbarton rock. Extensive views from fortifications and summit of rock, particularly over and along the Firth of Clyde. Prominent visual landmark in wider landscape. High social and experiential value due to archaeological potential/architectural/historical properties and topographic location.	High	High	Low: LVIA VP 2 shows that all 10 turbines visible in views across the Firth of Clyde, sitting above skyline. Turbines in distant views however, at over 10 km away. Site only visible in same views as castle when viewing from higher ground further north, beyond Dumbarton.	Minor (LVIA VP 2 Figure 6.26)
90230/40069	Newark Castle	Scheduled and Category A Listed	232821	674509	3.4	1	National	Remains of late 15th century keep with renaissance details, remodelled. Located in semi-urban setting on edge of Port Glasgow. Some social value due to architectural/historical properties.	Medium (Localised)	High (localised)	Imperceptible: only 1 turbine theoretically visible in medium distant views. Castle screened by trees and other buildings nearby. Localised setting.	Negligible
5910	Lurg Moor Hut-Circle; Structures; Flint-Scraper	NSR site	229550	673380	0.1	10	Unknown/Local	Very poorly preserved remains of one possible hut circle, located in upland moorland on a south-west facing slope with restricted views out to surrounding landscape due to local topography. Some social value due to archaeological potential of asset. Considered to be of no more than local importance (rather than regional importance), due to poor level of preservation.	Medium (localised)	Low (localised)	High-Medium: 10 turbines present in immediate environs to south and west of possible hut circle, significantly altering landscape setting. However, remains are very poorly preserved and so presence of turbines would not adversely affect ability to understand them or wider hut circle landscape as not intervisible with other hut circles. Localised setting.	Minor



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5951	Lurg Moor Hut Circle	NSR site	229780	673760	0.5	8	Regional	Well preserved hut circle located on north-facing slope along edge of Lady Burn in upland moorland. Open views across north and east and over to Firth of Clyde. Views more restricted to south. Overhead power transmission cable immediately adjacent to west. Other hut circles in area, including 12800, and possible remains to south (5910). High social value due to archaeological potential, and other related sites in area.	Medium (localised)	Medium (localised)	Medium-Low: 8 turbines theoretically visible in views on near horizon to south of hut circle in direction of other known hut circle, partially altering setting. View partly screened by local topography and not in open views out to north, and would not adversely affect ability to understand wider hut circle landscape as not intervisible with other hut circles. Localised setting.	Moderate/Minor
5952	Glen of Hecklemoor Cairn	NSR site	227705	672700	1.3	10	Regional	Remains of earlier prehistoric burial cairn located on the summit of a hill in upland moorland. Good surrounding views particularly to south-east and south-west. Other related monuments in wider landscape to south (e.g. 12854, 12829, 12838). High social and some experiential value due to archaeological potential, related monuments in wider landscape and location.	High	High	Medium-Low: Figure 9.13 shows that all 10 turbine tips would be visible in views to north and east of cairn, on near horizon. Would partially alter landscape setting of cairn in this view. Turbines not visible when looking southwards towards other related monuments.	Major/Minor (Moderate) (Figure 9.13)
6834	Smeath Hill Enclosure	NSR site	231550	666090	6.4	1	Regional	Later prehistoric homestead located in upland moorland on south-east facing slopes of Smeath Hill. More extensive views out to east and south. Localised setting to south-east slopes of Smeath Hill. High social value due to archaeological potential. Some experiential value.	High (localised)	High (localised)	Imperceptible: only 1 turbine theoretically visible and in distant views at over 6 km away. Site not in main views from homestead, largely screened by local topography.	Negligible
6868	Castle Hill Fort	NSR site	234580	666030	7.8	10	Regional	Fort located on north-facing rocky promontory within area of mixed woodland. Other forts possibly visible in views to north (4379 and 12886). High social value due archaeological potential. Some experiential value.	Medium	Medium	Imperceptible: 10 turbines theoretically visible but in distant views at almost 8 km away. Site would be visible in northerly views, but partially screened by woodland. Site does intervene with any possible intervisibility with other forts to north.	Negligible

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6464	Cardross, St Peter's College	Category A Listed	235304	678404	7.7	10	National	Mid-20th century ruinous skeleton of 2-4 storey modern building, surrounded by mixed woodland. Originally associated with demolished Kilmahew House. Localised rural setting.	Medium (Localised)	High (localised)	Imperceptible - 10 turbines theoretically visible in distant views at over 7.5 km away. Views screened by surrounding woodland. Physical relationship to former House now gone.	Negligible
12448	Kilmacolm, Duchal Road, St James Church (United Presbyterian)	Category A Listed	235824	669766	6.3	10	National	Early 20th century Gothic revival church located within Kilmacolm. Localised semi-urban setting.	Medium (Localised)	High (localised)	Imperceptible: 10 turbines theoretically visible but in distant views at over 6 km away. Localised setting.	Negligible
12450	Kilmacolm, Rowantreehill Road, Windyhill	Category A Listed	236222	669431	6.8	10	National	Late 19th century Modern Movement building. Localised semi-urban setting within Kilmacolm. Some social value due to architectural/historical properties.	Medium (Localised)	High (localised)	Imperceptible: 10 turbines theoretically visible, but in medium distant views and screened by other buildings. Localised semi-urban setting.	Negligible
13641	Finlaystone House	Category A Listed	236458	673717	6.5	6	National	Mid 18th century 3 storey Classical mansion house with 19th century additions, located on a cliff overlooking the Firth of Clyde and set within Finlaystone GDL. Largely surrounded by mixed woodland within garden grounds, but distant views out to Firth of Clyde and opposite shore. High social and experiential value due to architectural/historical properties and location within GDL	High	High	Imperceptible: 6 turbines theoretically visible but in distant views at 6.5 km away (Figure 10.12), and ground-level views screened by trees. Main approaches to house screened by trees. No affect on main views from house out to Clyde. Some limited affect on views of GDL in wider landscape setting when looking from north on opposite shore (LVIA VP 2).	Negligible (Figure 9.12)
34078	Greenock, 5, 6 Ardgowan Square, Tontine Hotel	Category A Listed	227277	676751	3.9	7	National	Early 19th century 3storey building. Localised semi-urban setting in Greenock. Some social value due to architectural/historical properties.	Medium (Localised)	High (localised)	Imperceptible: 7 turbines theoretically visible, but in medium distant views and screened by other buildings. Localised semi-urban setting.	Negligible
34100	Greenock, Custom House Place, Custom House	Category A Listed	228308	676204	2.9	6	National	Early 19th century 2 storey building. Localised semi-urban setting in Greenock. Some social value due to architectural/historical properties.	Medium (Localised)	High (localised)	Imperceptible: 6 turbines theoretically visible, but in medium distant views and screened by other buildings. Localised semi-urban setting.	Negligible

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34122	Greenock, Clyde Square, Municipal Buildings	Category A Listed	227987	676208	3.1	7	National	Late 19th century 4-storey Renaissance style building located within Greenock adjacent to waterfront and looking out to Firth of Clyde. Localised setting within Greenock. Some social value due to architectural and historical properties.	Medium (Localised)	High (localised)	Imperceptible: 7 turbines theoretically visible in medium views at over 3 km away. Localised semi-urban setting.	Negligible
34134	Greenock, Nelson Street, The Old Kirk	Category A Listed	227338	676341	3.5	7	National	Early 19th century church. Localised semi-urban setting in Greenock. Some social value due to architectural/historical properties.	Medium (Localised)	High (localised)	Imperceptible: 7 turbines theoretically visible, but in medium distant views and screened by other buildings. Localised semi-urban setting.	Negligible
34139	Greenock, Newark Street, Finnart St Paul's Church of Scotland	Category A Listed	226460	677449	4.9	9	National	Late 19th century Gothic church. Localised semi-urban setting in Greenock. Some social value due to architectural/historical properties.	Medium (Localised)	High (localised)	Imperceptible: 9 turbines theoretically visible, but in medium distant views and screened by other buildings. Localised semi-urban setting.	Negligible
34148	Greenock, 9 Union Street, Greenock Art Gallery, Library, Watt Institution and Mclean Museum	Category A Listed	227383	676551	3.7	7	National	Early 18th century building located within Greenock. Semi-urban localised setting. Some social value due to architectural/historical properties.	Medium (Localised)	High (localised)	Imperceptible: 7 turbines theoretically visible, but in medium distant views. Localised semi-urban setting.	Negligible
34166	Greenock, Well Park, Well	Category A Listed	228089	675979	2.8	7	National	Early 17th century Scots Renaissance well associated with now demolished Greenock Mansion House. Very localised setting to park area and Greenock.	High (localised)	High (localised)	Imperceptible: 7 turbines theoretically visible, but in medium views and screened by trees. Very localised setting.	Negligible
34172	Greenock, East Hamilton Street, James Watt Dock, Sugar Warehouse	Category A Listed	229828	675528	2.2	6	National	Late 19th century long warehouse built next to contemporary James Watt Dock. Localised setting to Greenock waterfront. Some social value due to architectural/historical properties.	High (localised)	High (localised)	Imperceptible: 6 turbines theoretically visible on medium-near horizon, but localised setting to waterfront and Firth of Clyde.	Negligible
34173	Greenock, Orangefield, St Patrick's Roman Catholic Church and Presbytery	Category A Listed	227124	676086	3.4	6	National	Church dating to 1334-5. Localised semi-urban setting in Greenock. Some social value due to architectural/historical properties.	Medium (Localised)	High (localised)	Imperceptible: 6 turbines theoretically visible, but in medium distant views and screened by other buildings and trees. Localised semi-urban setting.	Negligible

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34175	Greenock, James Watt Dock, Cantilever Crane	Category A Listed	229574	675685	2.3	6	National	Early 20th century working crane adjacent to James Watt Dock. One of seven left in Scotland dating to WWI. Localised setting to Greenock waterfront. Some social value due to architectural/historical properties.	High (localised)	High (localised)	Imperceptible: 6 turbines theoretically visible on medium-near horizon, but localised setting to waterfront and Firth of Clyde.	Negligible
34184	Greenock, 6 Kilmacoll Road, St Lawrence's Roman Catholic Church, Presbytery	Category A Listed	228551	675262	2.0	6	National	Mid-20th century Scandinavian style church. Localised semi-urban setting in Greenock. Some social value due to architectural/historical properties.	Medium (Localised)	High (localised)	Imperceptible: 6 turbines theoretically visible on medium-near horizon, but screened by trees and other buildings. Localised semi-urban setting within Greenock.	Negligible
34184	Greenock, 6 Kilmacoll Road, St Lawrence's Roman Catholic Church	Category A Listed	228597	675289	2.0	6	National	Mid-20th century Scandinavian style church. Localised semi-urban setting in Greenock. Some social value due to architectural/historical properties.	Medium (Localised)	High (localised)	Imperceptible: 6 turbines theoretically visible on medium-near horizon, but screened by trees and other buildings. Localised semi-urban setting within Greenock.	Negligible
34737	Helensburgh, 150 Clyde Street East, Rockland	Category A Listed	230596	681710	8.4	10	National	Mid-19th century classical villa located on shore of Clyde Firth. Open views over water to south. Localised setting within Helensburgh. Some social value due to architectural/historical properties.	Medium (Localised)	High (localised)	Imperceptible: 10 turbines theoretically visible in open views, but at over 8 km away in distance. Localised setting.	Negligible
34737	Helensburgh, 150 Clyde Street East, Rockland, Sundial	Category A Listed	230582	681711	8.4	10	National	Sundial associated with Rockland Villa. Very localised setting.	High (localised)	High (localised)	Imperceptible: 10 turbines theoretically visible in distant views at over 8 km away. Very localised setting to house.	Negligible
34822	Helensburgh, 4 Munro Drive West, Brantwoode, Garage	Category A Listed	229941	683368	10.0	10	National	Late 19th century garage associated with Arts and Crafts villa. Localised setting to villa, within semi-urban setting of Helensburgh	Medium (Localised)	High (localised)	Imperceptible: 10 turbines theoretically visible but on distant views at 10 km away. Views screened by other buildings. Localised setting to villa.	Negligible
34822	Helensburgh, 4 Munro Drive West, Brantwoode	Category A Listed	229925	683365	10.0	10	National	Late 19th century Arts and Crafts villa located in Helensburgh. Garden to south. Semi-urban setting within Helensburgh. Some social value due to architectural/historical properties.	Medium (Localised)	High (localised)	Imperceptible: 10 turbines visible but on distant views at 10 km away. Views screened by trees and other buildings. Localised setting within Helensburgh.	Negligible

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34847	Helensburgh, Cairndhu Gardens, Cairndhu House	Category A Listed	228436	682705	9.3	10	National	Mid-19th century villa located on edge of Clyde Firth with south facing elevation and views over water to south. Localised setting within Helensburgh. Some social value due to architectural/historical properties	Medium (Localised)	High (localised)	Imperceptible: 10 turbines theoretically visible but on distant horizon at over 9 km away. Localised setting within Helensburgh.	Negligible
34849	Helensburgh, Rhu Road Lower, Dalmore House	Category A Listed	228076	683261	9.9	10	National	Mid-19th century baronial mansion with 17th century details located on edge of Clyde Firth with north-facing elevation and views over water to south. Localised setting within Helensburgh. Some social value due to architectural/historical properties.	Medium (Localised)	High (localised)	Imperceptible: 10 turbines theoretically visible but on distant horizon at almost 10 km away. Localised setting within Helensburgh.	Negligible
34851	Helensburgh, Rossdhu Drive, The Long Croft	Category A Listed	229535	683391	10.0	10	National	Early 20th century villa with 17th century details. Localised setting within Helensburgh. Some social value due to architectural/historical properties.	Medium (Localised)	High (localised)	Imperceptible: 10 turbines theoretically visible but on distant horizon at 10 km away. Localised setting within Helensburgh.	Negligible
34868	Helensburgh, 38 - 40 Sinclair Street	Category A Listed	229673	682333	8.9	10	National	Late 19th century building in Glasgow/Art Nouveau style. Localised setting within Helensburgh. Some social value due to historical/architectural properties.	Medium (Localised)	High (localised)	Imperceptible: 10 turbines theoretically visible but on distant horizon at over 9 km away. Localised setting within Helensburgh.	Negligible
34872	Helensburgh, Hermitage Park, War Memorial	Category A Listed	229997	682840	9.4	10	National	War memorial located within Helensburgh. Very localised setting within park. Some social and experiential value to architectural/historical properties.	High (localised)	High (localised)	Imperceptible: 10 turbines visible but on distant horizon at over 9 km away. Views largely screened and very localised setting.	Negligible
34896	Helensburgh, St Michael's Church	Category A Listed	229242	682502	9.1	10	National	Mid-19th century church with later additions located within Helensburgh. Localised semi-urban setting. Some social value due to architectural/historical properties.	Medium (Localised)	High (localised)	Imperceptible: 10 turbines theoretically visible but on distant horizon at over 9 km away. Localised setting within Helensburgh.	Negligible
34896	Helensburgh, William Street, St Michael's Church Hall	Category A Listed	229239	682486	9.1	10	National	Mid-19th century church with later additions located within Helensburgh. Localised semi-urban setting. Some social value due to architectural/historical properties.	Medium (Localised)	High (localised)	Imperceptible: 10 turbines theoretically visible but on distant horizon at over 9 km away. Localised setting within Helensburgh.	Negligible

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40071	Port Glasgow, Fore Street, Town Buildings	Category A Listed	232219	674560	2.9	1	National	Early 19th century Classic town buildings. Localised semi-urban setting in Port Glasgow. Some social value due to architectural/historical properties.	Medium (Localised)	High (localised)	Imperceptible: only 1 turbine theoretically visible in medium distant views. Screened by other buildings nearby. Localised setting.	Negligible
40078	Port Glasgow, Broadfield Hospital	Category A Listed	234947	673754	5.0	7	National	Late 19th century Scots Renaissance. Localised setting within Port Glasgow with some screening from trees and other buildings.	Medium (Localised)	high (localised)	Imperceptible: 7 turbines theoretically visible but in medium distant views. Localised setting within Port Glasgow	Negligible
40088	Port Glasgow, 2 Parkhill Avenue, Holy Family Roman Catholic Church and Presbytery	Category A Listed	233994	673809	4.1	7	National	Mid 20th century church set on steeply sloping ground. Localised semi-urban setting within Port Glasgow. Some social value due to architectural/historical properties.	Medium (Localised)	high (localised)	Imperceptible: 7 turbines theoretically visible but in medium distant views. On edge of visual envelope. Localised setting within Port Glasgow	Negligible
42628	Rosneath Home Farm	Category A Listed	226564	681414	8.4	10	National	1803 Gothic steading associated with Roseneath Castel and GDL. Localised setting within GDL. Some social value due to architectural/historical properties.	High (localised)	High (localised)	Imperceptible: 10 turbines theoretically visible but in distant views at over 8 km away. Localised setting within GDL.	Negligible
42905	Cardross, Kilmahew, St. Mahew's Chapel	Category A Listed	234208	678639	7.1	10	National	15th century chapel located in partly wooded, secluded location on gently rising ground. Localised rural setting. High social value due to architectural/historical properties and rural setting.	High (localised)	High (localised)	Imperceptible: 10 turbines theoretically visible but in distant views at over 7 km away. Localised secluded setting.	Negligible
43874	Darleith House, Dovecot	Category A Listed	234648	680583	8.9	10	National	Late 18th century dovecote associated with Darleith House, located in partly wooded, secluded location on rising ground, on line of former avenue. Localised setting to House grounds. Some social value due to architectural/historical properties.	High (Localised)	High (localised)	Imperceptible: 10 turbines theoretically visible, but in distant views at almost 9 km away. Views screened by trees and localised rural setting.	Negligible
45600	Dalmoak House	Category A Listed	238356	677071	9.5	10	National	Mid 19th century Tudor-Gothic mansion, adjacent to A82 and largely screened by trees. Localised semi-rural setting. Some social value due to architectural/historical properties.	High (localised)	High (localised)	Imperceptible: 10 turbines theoretically visible, but in distant views at 9.5km away. Views screened by trees and localised rural setting.	Negligible

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50131	Scott's Dry Dock with Outer Basin	Category A Listed	228716	675785	2.4	6	National	Early 19th century oldest surviving dry dock. Localised setting to Greenock waterfront. High social value due to architectural/historical properties.	Medium (localised)	High (localised)	Imperceptible: 6 turbines theoretically visible on medium-near horizon but localised setting to waterfront/dock area.	Negligible.
129	Cardross, Ardoch, Gatepiers	Category B Listed	236409	676330	7.4	10	Regional	Gate piers to Ardoch House and garden, adjacent to public road, largely surrounded by mixed woodland. Very localised setting to House grounds. Some limited social value due to architectural/historical properties.	Medium (Localised)	Medium (localised)	Imperceptible: 10 turbines theoretically visible, but in distant views at over 7km away. Views screened by trees and localised setting to house and grounds.	Negligible
129	Cardross, Ardoch	Category B Listed	236479	676257	7.4	10	Regional	Late 18th century with later additions 2-storey cottage, located adjacent to public A814 road and Firth of Clyde. Largely surrounded by mixed woodland. Localised rural setting. Some social value due to architectural/historical properties.	Medium (Localised)	Medium (localised)	Imperceptible: 10 turbines theoretically visible, but in distant views at over 7 km away. Views screened by trees and localised rural setting.	Negligible
1138	Camis Eskan House, West Lodge	Category B Listed	231397	681311	8.2	10	Regional	Mid-19th century single-storey lodge with later additions, former lodge to Camis Eskan House, located in largely wooded, secluded location. Localised setting to House grounds. Some social value due to architectural properties.	Medium (Localised)	Medium (localised)	Imperceptible: 10 turbines theoretically visible, but in distant views at over 8 km away. Views screened by trees and localised setting to house and grounds.	Negligible
1156	Auchinfroe House	Category B Listed	234966	677605	6.9	10	Regional	Early 18th century 2 storey villa and stable range with mixed woodland. Some social value due to historical/architectural properties.	High (Localised)	High (localised)	Imperceptible: 10 turbines theoretically visible in distant views at almost 7 km away. Views out to development partly screened by trees.	Negligible

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1156	Auchinfroe House, Stable Block, East Range	Category B Listed	234974	677627	6.9	10	Regional	Part of early 18th century 2 storey villa and stable. Views partly screened by woodland on near horizon. Some social value due to historical/architectural properties.	High (Localised)	High (localised)	Imperceptible: 10 turbines theoretically visible in distant views at almost 7 km away. Views out to development partly screened by trees.	Negligible
1156	Auchinfroe House, Stable Block, North Range	Category B Listed	234959	677639	6.9	10	Regional	Part of early 18th century 2 storey villa and stable range views out partly screened by woodland on near horizon. Some social value due to historical/architectural properties.	High (Localised)	High (localised)	Imperceptible: 10 turbines theoretically visible in distant views at almost 7 km away. Views out to development partly screened by trees.	Negligible
1156	Auchinfroe House, Stable Block, South West Range	Category B Listed	234951	677629	6.9	10	Regional	Part of early 18th century 2 storey villa and stable range views out partly screened by woodland on near horizon. Some social value due to historical/architectural properties.	High (Localised)	High (localised)	Imperceptible: 10 turbines theoretically visible in distant views at almost 7 km away. Views out to development partly screened by trees.	Negligible
1157	Ardoch House, Barn	Category B Listed	236283	676878	7.6	10	Regional	Early 18th century building in largely open location with some mixed woodland on near horizon. Localised rural setting. Some social value due to architectural/historical properties.	Medium (Localised)	Medium (localised)	Imperceptible: 10 turbines theoretically visible in distant views at over 7.5 km away. Open views out to development with some localised screening, but localised rural setting.	Negligible



Site ID	Site Name	Status	Easting	Northing	Distance to nearest Turbine (km)	No. Turbine tips visible	Heritage Importance	Setting	Contribution of setting	Sensitivity of Setting	Magnitude of Effect	Significance of Effect
1159	Ardmore House, Observation Tower	Category B Listed	231655	678685	5.8	10	Regional	Ruinous observation tower associated with Ardmore House, located on low rise on small peninsula of land forming picturesque planned grounds of house. Largely screened by surrounding mixed trees/woodland. Some social value due to architectural/historical properties and picturesque setting.	High (localised)	High (localised)	Low: 10 turbines theoretically visible in medium-distant views at over 5.5 km away. Views partly screened by trees but development would be visible in direct views to opposite shore.	Minor
1159	Cardross, Ardmore House	Category B Listed	231714	678572	5.7	10	Regional	Early 19th century 2 storey house, located on low rise on small peninsula of land forming picturesque planned grounds of house, largely screened by surrounding mixed trees/woodland. Some social value due to architectural/historical properties and picturesque setting.	High (localised)	High (localised)	Low: 10 turbines theoretically visible in medium-distant views at over 5.5 km away. Views partly screened by trees but development would be visible in direct views to opposite shore.	Minor
1159	Ardmore House, Round Tower	Category B Listed	231589	678582	5.6	10	Regional	Round tower associated with Ardmore House, located on low rise on small peninsula of land forming picturesque planned grounds of house. Largely screened by surrounding mixed trees/woodland. Some social value due to architectural/historical properties and picturesque setting.	High (localised)	High (localised)	Low: 10 turbines theoretically visible in medium-distant views at over 5.5 km away. Views partly screened by trees but development would be visible in direct views to opposite shore.	Minor

Site ID	Site Name	Status	Easting	Northing	Distance to nearest Turbine (km)	No. Turbine tips visible	Heritage Importance	Setting	Contribution of setting	Sensitivity of Setting	Magnitude of Effect	Significance of Effect
1166	Keppoch House, Gate and Gate Piers	Category B Listed	232766	679491	7.0	10	Regional	Gate to Keppoch House and grounds, located in largely wooded, secluded location on gently rising ground. Very localised setting to House grounds. Some limited social value due to architectural/historical properties.	Medium (Localised)	Medium (localised)	Imperceptible: 10 turbines theoretically visible, but in distant views at over 8km away. Views screened by trees and very localised setting to house and grounds.	Negligible
1166	Keppoch House	Category B Listed	232971	679775	7.3	10	Regional	Early 19th century 3 storey house located on gently rising ground with mixed woodland surrounding. Some social value due to architectural/historical properties and other associated architectural features.	Medium (Localised)	Medium (localised)	Imperceptible: 10 turbines theoretically visible, but in distant views at over 7 km away. Views screened by surrounding trees..	Negligible
1166	Keppoch House, Vegetable Garden	Category B Listed	233088	679587	7.2	10	Regional	Vegetable garden to Keppoch House, located in largely wooded, secluded location. Localised setting to House grounds. Some social value due to architectural/historical properties.	Medium (Localised)	Medium (localised)	Imperceptible: 10 turbines theoretically visible, but in distant views at over 7km away. Views screened by trees and localised setting to house and grounds.	Negligible
1166	Keppoch House, Walled Garden	Category B Listed	233075	679563	7.2	10	Regional	Walled garden to Keppoch House, located in largely wooded, secluded location. Localised setting to House grounds. Some social value due to architectural/historical properties.	Medium (Localised)	Medium (localised)	Imperceptible: 10 turbines theoretically visible, but in distant views at over 8 km away. Views screened by trees and localised setting to house and grounds.	Negligible
1167	Camis Eskam, Dovecot	Category B Listed	232043	681265	8.3	10	Regional	Dovecote to Camis Eskan House. Localised setting to House grounds. Some social value due to architectural/historical properties.	Medium (Localised)	Medium (localised)	Imperceptible: 10 turbines theoretically visible, but in distant views at over 8 km away. Views screened by trees and localised setting to house and grounds.	Negligible

Site ID	Site Name	Status	Easting	Northing	Distance to nearest Turbine (km)	No. Turbine tips visible	Heritage Importance	Setting	Contribution of setting	Sensitivity of Setting	Magnitude of Effect	Significance of Effect
1169	Camis Eskan House	Category B Listed	232085	681474	8.5	10	Regional	Mid-17th century 2 and 3 storey house. Mixed woodland surrounding but more open views to south. Some social value due to architectural/historical properties.	Medium (Localised)	Medium (localised)	Imperceptible: 10 turbines theoretically visible, but in distant views at 8.5 km away. Views partly screened by trees	Negligible
1169	Camis Erskine House, 2 The Coach House	Category B Listed	232078	681512	8.5	10	Regional	Mid-17th century 2 and 3 storey house, with mixed woodland surrounding. Some social value due to architectural/historical properties.	Medium (Localised)	Medium (localised)	Imperceptible: 10 turbines theoretically visible, but in distant views at 8.5 km away. Views partly screened by trees.	Negligible
1169	Camis Erskine House, 3 The Coach House	Category B Listed	232080	681501	8.5	10	Regional	Mid-17th century 2 and 3 storey house with mixed woodland surrounding. Some social value due to architectural/historical properties.	Medium (Localised)	Medium (localised)	Imperceptible: 10 turbines theoretically visible, but in distant views at 8.5 km away. Views partly screened by trees.	Negligible
1169	Camis Erskine House, 1 The Coach House	Category B Listed	232074	681528	8.5	10	Regional	Mid-17th century 2 and 3 storey house with mixed woodland surrounding. Some social value due to architectural/historical properties.	Medium (Localised)	Medium (localised)	Imperceptible: 10 turbines theoretically visible, but in distant views at 8.5 km away. Views partly screened by trees.	Negligible

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1170	Camis Eskan House, East Lodge	Category B Listed	232345	680297	7.5	10	Regional	Mid-19th century former lodge to Camis Eskan House, located in largely wooded, secluded location immediately adjacent to public road. Localised setting to House grounds. Some social value due to architectural properties.	Medium (Localised)	Medium (localised)	Imperceptible: 10 turbines theoretically visible, but in distant views at 7.5 km away. Views screened by trees and setting already affected by nearby busy public road. Localised setting to house and grounds.	Negligible
1181	Cardross, Geilston House	Category B Listed	234016	678278	6.7	10	Regional	Mid 18th century 2 storey house with 19th century additions, gardens dating to 1950, largely surrounded by mixed woodland, but some views out to Firth of Clyde and opposite shore. Some social value due to historical/architectural properties.	High (localised)	High (localised)	Imperceptible: 10 turbines theoretically visible, but in distant views at over 6.5 km away across Clyde. Views largely screened by trees.	Negligible
1181	Cardross, Geilston House, Walled Garden	Category B Listed	234046	678307	6.7	10	Regional	Walled garden to Geilston House, located in largely wooded, secluded location on gently rising ground. Localised setting to House grounds. High social value due to architectural/historical properties and public access.	High (localised)	High (localised)	Imperceptible: 10 turbines theoretically visible, but in distant views at over 6.5 km away. Views screened by trees, although some potential visibility, largely when leaving grounds. Localised setting to house and grounds.	Negligible
1183	Cardross, Geilston House, Dovecot	Category B Listed	233911	678302	6.6	10	Regional	Dovecote associated with Geilston House, located in largely wooded, secluded. Localised setting to House grounds.	High (localised)	High (localised)	Imperceptible: 10 turbines theoretically visible, but in distant views at over 6.5 km away. Views screened by trees. Localised setting to house and grounds.	Negligible
6685	Kilmahew House, South Lodge and Gatepiers	Category B Listed	235316	677735	7.3	10	Regional	19th century Lodge associated with former Kilmahew House. Localised rural setting screened by trees.	Medium (Localised)	Medium (localised)	Imperceptible: 10 turbines theoretically visible, but in distant views at over 7 km away. Views screened by trees. Localised setting to former house.	Negligible

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12447	Kilmacolm, High Street, Kilmacolm Old Kirk	Category B Listed	235838	669988	6.2	10	Regional	Early 19th century Gothic revival church located within Kilmacolm. Semi-urban setting	Medium (Localised)	Medium (localised)	Imperceptible: 10 turbines theoretically visible, but in distant views at over 6 km away. Localised setting.	Negligible
12449	Kilmacolm, Rowantreehill Road, Rowantreehill	Category B Listed	236203	669489	6.8	10	Regional	One of several buildings located within Kilmacolm Conservation Area. Localised semi-urban setting within Kilmacolm.	Medium (Localised)	Medium (localised)	Imperceptible: 10 turbines theoretically visible, but in distant views at almost 7 km away. Views screened by other buildings. Localised setting within Conservation Area	Negligible
12451	Kilmacolm, Porterfield Road, Miyanoshta	Category B Listed	236243	669302	6.9	10	Regional	One of several buildings located within Kilmacolm Conservation Area. Localised semi-urban setting within Kilmacolm.	Medium (Localised)	Medium (localised)	Imperceptible: 10 turbines theoretically visible, but in distant views at almost 7 km away. Views screened by other buildings. Localised setting within Conservation Area	Negligible
12452	Kilmacolm, Houston Road, Knapps House	Category B Listed	236667	669034	7.4	10	Regional	One of several buildings located within Kilmacolm Conservation Area. Localised semi-urban setting within Kilmacolm.	Medium (Localised)	Medium (localised)	Imperceptible: 10 turbines theoretically visible, but in distant views at almost 7 km away. Views screened by other buildings. Localised setting within Conservation Area	Negligible
12453	Kilmacolm, Houston Road, Greystones	Category B Listed	236424	669065	7.1	10	Regional	One of several buildings located within Kilmacolm Conservation Area. Localised semi-urban setting within Kilmacolm.	Medium (Localised)	Medium (localised)	Imperceptible: 10 turbines theoretically visible, but in distant views at almost 7 km away. Views screened by other buildings. Localised setting within Conservation Area	Negligible
12455	Kilmacolm, Knockbuckle Road, Den of Gryffe	Category B Listed	234541	669823	5.1	10	Regional	Early 20th century house. Localised semi-urban setting within Kilmacolm.	Medium (Localised)	Medium (localised)	Imperceptible: 10 turbines theoretically visible but in distant views at over 5 km away. Partly screened by other buildings. Localised setting.	Negligible
12456	Kilmacolm, Knockbuckle, Nether Knockbuckle	Category B Listed	234665	669755	5.3	10	Regional	Early 20th century house. Localised semi-urban setting within Kilmacolm.	Medium (Localised)	Medium (localised)	Imperceptible: 10 turbines theoretically visible but in distant views at over 5 km away. Partly screened by other buildings. Localised setting.	Negligible

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12459	Kilmacolm, Findlaystone Road, Wateryetts	Category B Listed	235808	670539	6.0	10	Regional	Late 18th century house with later additions Located in Kilmacolm. Localised semi-rural/urban setting.	Medium (Localised)	Medium (localised)	Imperceptible: 10 turbines theoretically visible but in distant views at 6 km away. Some screening from trees and other buildings. Localised setting.	Negligible
12460	Kilmacolm, Port Glasgow Road, Auchenbothie House	Category B Listed	235006	670951	5.1	10	Regional	Late 19th century baronial house, located in rural setting. Largely screened by mixed woodland.	High (localised)	High (localised)	Imperceptible: 10 turbines theoretically visible but in distant views at over 5 km away. Largely screened by trees. Secluded localised setting.	Negligible
12461	Kilmacolm, Port Glasgow Road, Auchenbothie House, Lodge	Category B Listed	235180	670577	5.4	10	Regional	Charles Rennie Mackintosh Lodge associated with Auchenbothie House. Localised setting to house. Largely screened by woodland.	High (localised)	High (localised)	Imperceptible: 10 turbines theoretically visible but in distant views at over 5 km away. Largely screened by trees. Secluded localised setting.	Negligible
12745	Torr Hall	Category B Listed	237001	666150	9.3	8	Regional	Early 19th century Scots Baronial villa located in secluded setting largely screened by trees in rural location.	High (localised)	High (localised)	Imperceptible: 8 turbines theoretically visible but in distant views at over 9 km away. Largely screened by trees. Secluded localised setting.	Negligible
13047	Bridge of Weir, Craigbet	Category B Listed	236998	666509	9.1	10	Regional	Mid-18th century restored house located in secluded setting largely screened by trees in rural location.	High (localised)	High (localised)	Imperceptible: 10 turbines theoretically visible but in distant views at over 9 km away. Largely screened by trees. Secluded localised setting.	Negligible
13230	Bridge of Weir, Hope Lodge	Category B Listed	236991	666390	9.1	10	Regional	Lodge associated with hospital. Very localised and secluded setting.	High (localised)	High (localised)	Imperceptible: 10 turbines theoretically visible but in distant views at over 9 km away. Largely screened by trees. Secluded localised setting.	Negligible
13232	Bridge of Weir, Bridge of Weir Hospital, Administration Block And Ward 4	Category B Listed	236553	666441	8.8	10	Regional	Turn of the century hospital founded by William Quarrier to house TB patients. Localised semi-rural setting, largely screened by trees.	High (localised)	High (localised)	Imperceptible: 10 turbines theoretically visible but in distant views at almost 9 km away. Largely screened by trees. Secluded localised setting.	Negligible
13232	Bridge of Weir, Bridge of Weir Hospital, West Wing	Category B Listed	236478	666419	8.7	10	Regional	Turn of the century hospital founded by William Quarrier to house TB patients. Localised semi-rural setting, largely screened by trees.	High (localised)	High (localised)	Imperceptible: 10 turbines theoretically visible but in distant views at almost 9 km away. Largely screened by trees. Secluded localised setting.	Negligible

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13232	Bridge of Weir, Bridge of Weir Hospital, Chapel	Category B Listed	236506	666452	8.7	10	Regional	Turn of the century hospital founded by William Quarrier to house TB patients. Localised semi-rural setting, largely screened by trees.	High (localised)	High (localised)	Imperceptible: 10 turbines theoretically visible but in distant views at almost 9 km away. Largely screened by trees. Secluded localised setting.	Negligible
13232	Bridge of Weir, Bridge of Weir Hospital, Nurses Home	Category B Listed	236575	666506	8.7	10	Regional	Turn of the century hospital founded by William Quarrier to house TB patients. Localised semi-rural setting, largely screened by trees.	High (localised)	High (localised)	Imperceptible: 10 turbines theoretically visible but in distant views at almost 9 km away. Largely screened by trees. Secluded localised setting.	Negligible
13232	Bridge of Weir, Bridge of Weir Hospital, East Linking Range	Category B Listed	236589	666446	8.8	8	Regional	Turn of the century hospital founded by William Quarrier to house TB patients. Localised semi-rural setting, largely screened by trees.	High (localised)	High (localised)	Imperceptible: 8 turbines theoretically visible but in distant views at almost 9 km away. Largely screened by trees. Secluded localised setting.	Negligible
13232	Bridge of Weir, Bridge of Weir Hospital, East Wing	Category B Listed	236620	666457	8.8	8	Regional	Turn of the century hospital founded by William Quarrier to house TB patients. Localised semi-rural setting, largely screened by trees.	High (localised)	High (localised)	Imperceptible: 8 turbines theoretically visible but in distant views at almost 9 km away. Largely screened by trees. Secluded localised setting.	Negligible
13232	Bridge of Weir, Bridge of Weir Hospital, West Linking Range	Category B Listed	236518	666425	8.8	10	Regional	Turn of the century hospital founded by William Quarrier to house TB patients. Localised semi-rural setting, largely screened by trees.	High (localised)	High (localised)	Imperceptible: 10 turbines theoretically visible but in distant views at almost 9 km away. Largely screened by trees. Secluded localised setting.	Negligible
24869	Dumbarton, 22 Cardross Road, Braehead Cottages	Category B Listed	238678	675743	9.2	10	Regional	Late 18th century farm cottages associated with the Ardloch Estate. Semi-rural setting.	Medium (localised)	Medium (localised)	Imperceptible: 10 turbines theoretically visible but in distant views at over 9 km away. Localised semi-urban setting.	Negligible
24869	Dumbarton, 20 Cardross Road, Braehead Cottages	Category B Listed	238703	675743	9.2	10	Regional	Late 18th century farm cottages associated with the Ardloch Estate. Semi-rural setting.	Medium (localised)	Medium (localised)	Imperceptible: 10 turbines theoretically visible but in distant views at over 9 km away. Localised semi-urban setting.	Negligible
24870	Dumbarton, Cardross Road, Convent of Notre Dame	Category B Listed	238130	675581	8.6	10	Regional	Early 20th century chapel located on edge of Dumbarton. Localised semi-urban setting.	Medium (localised)	Medium (localised)	Imperceptible: 10 turbines theoretically visible but in distant views at over 8.5 km away. Localised semi-urban setting.	Negligible

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24870	Dumbarton, Cardross Road, Convent of Notre Dame, Chapel	Category B Listed	238095	675566	8.6	10	Regional	Early 20th century chapel located on edge of Dumbarton. Localised semi-urban setting.	Medium (localised)	Medium (localised)	Imperceptible: 10 turbines theoretically visible but in distant views at over 8.5 km away. Localised semi-urban setting.	Negligible
24871	Dumbarton, Cardross Road, St Michael's Roman Catholic Church	Category B Listed	238793	675837	9.4	10	Regional	Church dating to 1951. Localised semi-urban setting within Dumbarton.	Medium (localised)	Medium (localised)	Imperceptible: 10 turbines theoretically visible but in distant views at over 9 km away. Localised semi-urban setting.	Negligible
24886	Dumbarton, 17-19 High Street, Bank of Scotland	Category B Listed	239652	675194	10.0	2	Regional	Listed building within Dumbarton. Localised semi-urban setting.	Medium (localised)	Medium (localised)	Imperceptible: 10 turbines theoretically visible but in distant views at over 9 km away. Localised semi-urban setting.	Negligible
24894	Dumbarton, 12 Dixon Drive	Category B Listed	238983	674999	9.3	10	Regional	One of several listed buildings located in Kirtonhill Conservation Area, Dumbarton, along Firth of Clyde. Partially screened by garden trees. Localised setting within Kirtonhill.	Medium (Localised)	High (localised)	Imperceptible: 10 turbines theoretically visible but in distant views at over 9 km away. Localised semi-urban setting.	Negligible
24894	Dumbarton, 10 Dixon Drive	Category B Listed	238987	674999	9.3	10	Regional	One of several listed buildings located in Kirtonhill Conservation Area, Dumbarton, along Firth of Clyde. Partially screened by garden trees. Localised setting within Kirtonhill.	Medium (Localised)	High (localised)	Imperceptible: 10 turbines theoretically visible but in distant views at over 9 km away. Localised semi-urban setting.	Negligible
24896	Dumbarton, Kirktonhill, Helenslee Road, Keil School	Category B Listed	238655	675067	9.0	10	Regional	One of several listed buildings located in Kirtonhill Conservation Area, Dumbarton, along Firth of Clyde. Partially screened by garden trees. Localised setting within Kirtonhill.	Medium (Localised)	High (localised)	Imperceptible: 10 turbines theoretically visible but in distant views at over 9 km away. Localised semi-urban setting.	Negligible
24897	Dumbarton, Kirktonhill, Helenslee Road, Keil School, Technical Block	Category B Listed	238800	675287	9.2	10	Regional	One of several listed buildings located in Kirtonhill Conservation Area, Dumbarton, along Firth of Clyde. Partially screened by garden trees. Localised setting within Kirtonhill.	Medium (Localised)	High (localised)	Imperceptible: 10 turbines theoretically visible but in distant views at over 9 km away. Localised semi-urban setting.	Negligible



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24898	Dumbarton, Kirktonhill, Helenslee Road, Keil School, Lodge	Category B Listed	238818	675236	9.2	10	Regional	One of several listed buildings located in Kirtonhill Conservation Area, Dumbarton, along Firth of Clyde. Partially screened by garden trees. Localised setting within Kirtonhill.	Medium (Localised)	High (localised)	Imperceptible: 10 turbines theoretically visible but in distant views at over 9 km away. Localised semi-urban setting.	Negligible
24899	Dumbarton, Kirktonhill, Helenslee Road, Keil School, Statue of William Mackinnon	Category B Listed	238723	675029	9.0	10	Regional	One of several listed buildings located in Kirtonhill Conservation Area, Dumbarton, along Firth of Clyde. Partially screened by garden trees. Localised setting within Kirtonhill.	Medium (Localised)	High (localised)	Imperceptible: 10 turbines theoretically visible but in distant views at over 9 km away. Localised semi-urban setting.	Negligible
24900	Dumbarton, Helenslee Road, Carmelite Monastery	Category B Listed	238856	675044	9.2	10	Regional	One of several listed buildings located in Kirtonhill Conservation Area, Dumbarton, along Firth of Clyde. Partially screened by garden trees. Localised setting within Kirtonhill.	Medium (Localised)	High (localised)	Imperceptible: 10 turbines theoretically visible but in distant views at over 9 km away. Localised semi-urban setting.	Negligible
24901	Dumbarton, 38 Helenslee Road, Methlan Park House	Category B Listed	238952	674849	9.2	10	Regional	One of several listed buildings located in Kirtonhill Conservation Area, Dumbarton, along Firth of Clyde. Partially screened by garden trees. Localised setting within Kirtonhill.	Medium (Localised)	High (localised)	Imperceptible: 10 turbines theoretically visible but in distant views at over 9 km away. Localised semi-urban setting.	Negligible
34000	Gourock, Bath Street, St John's Church	Category B Listed	224065	677780	6.7	5	Regional	Listed building within Gourock on shore of Firth of Clyde. Localised semi-urban setting.	Medium (Localised)	Medium (localised)	Imperceptible: Only 5 turbines theoretically and in distant views at over 6.5 km away. Localised semi-urban setting.	Negligible
34001	Gourock, Barrhill Road, St Bartholomew's Church	Category B Listed	223929	677675	6.7	6	Regional	Listed building within Gourock on shore of Firth of Clyde. Localised semi-urban setting.	Medium (Localised)	Medium (localised)	Imperceptible: 6 turbines theoretically and in distant views at over 6.5 km away. Localised semi-urban setting.	Negligible
34006	Gourock, 8 - 14 Binnie Street, Gourock Primary School	Category B Listed	224119	677619	6.5	8	Regional	Listed building within Gourock on shore of Firth of Clyde. Localised semi-urban setting.	Medium (Localised)	Medium (localised)	Imperceptible: 8 turbines theoretically and in distant views at over 6.5 km away. Localised semi-urban setting.	Negligible
34015	Gourock, 23 Kempock Place	Category B Listed	224174	677865	6.6	4	Regional	Listed building within Gourock on shore of Firth of Clyde. Localised semi-urban setting.	Medium (Localised)	Medium (localised)	Imperceptible: Only 4 turbines theoretically and in distant views at over 6.5 km away. Localised semi-urban setting.	Negligible

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34015	Gourock, 2 - 4 Bath Street	Category B Listed	224170	677861	6.6	4	Regional	Listed building within Gourock on shore of Firth of Clyde. Localised semi-urban setting.	Medium (Localised)	Medium (localised)	Imperceptible: Only 4 turbines theoretically and in distant views at over 6.5 km away. Localised semi-urban setting.	Negligible
34015	Gourock, 6 - 8 Bath Street	Category B Listed	224167	677859	6.6	4	Regional	Listed building within Gourock on shore of Firth of Clyde. Localised semi-urban setting.	Medium (Localised)	Medium (localised)	Imperceptible: Only 4 turbines theoretically and in distant views at over 6.5 km away. Localised semi-urban setting.	Negligible
34021	Gourock, Royal Street, Old Gourock Parish Church	Category B Listed	224280	677522	6.3	2	Regional	Listed building within Gourock on shore of Firth of Clyde. Localised semi-urban setting.	Medium (Localised)	Medium (localised)	Imperceptible: Only 2 turbines theoretically and in distant views at over 6 km away. Localised semi-urban setting.	Negligible
34029	Gourock, Tower Hill, Tower	Category B Listed	223903	677338	6.5	9	Regional	Listed building within Gourock on shore of Firth of Clyde. Localised semi-urban setting.	Medium (Localised)	Medium (localised)	Imperceptible: 9 turbines theoretically visible and in distant views at 6.5 km away. Localised semi-urban setting.	Negligible
34075	Greenock, 1 Ardgowan Square, The Mansion House	Category B Listed	227326	676691	3.8	7	Regional	Listed building within Greenock on shore of Firth of Clyde. Localised semi-urban setting.	Medium (Localised)	Medium (localised)	Imperceptible: 7 turbines theoretically visible in medium distant views at almost 4 km away. Localised semi-urban setting.	Negligible
34080	Greenock, 16 Ardgowan Square	Category B Listed	227150	676654	3.9	7	Regional	Listed building within Greenock on shore of Firth of Clyde. Localised semi-urban setting.	Medium (Localised)	Medium (localised)	Imperceptible: 7 turbines theoretically visible in medium distant views at almost 4 km away. Localised semi-urban setting.	Negligible
34082	Greenock, 23 - 24 Ardgowan Square	Category B Listed	227195	676604	3.8	7	Regional	Listed building within Greenock on shore of Firth of Clyde. Localised semi-urban setting.	Medium (Localised)	Medium (localised)	Imperceptible: 7 turbines theoretically visible in medium distant views at almost 4 km away. Localised semi-urban setting.	Negligible
34083	Greenock, 26-28 Ardgowan Square	Category B Listed	227262	676587	3.8	7	Regional	Listed building within Greenock on shore of Firth of Clyde. Localised semi-urban setting.	Medium (Localised)	Medium (localised)	Imperceptible: 7 turbines theoretically visible in medium distant views at almost 4 km away. Localised semi-urban setting.	Negligible
34086	Greenock, 31 Ardgowan Square, The Greenock Club	Category B Listed	227306	676621	3.8	7	Regional	Listed building within Greenock on shore of Firth of Clyde. Localised semi-urban setting.	Medium (Localised)	Medium (localised)	Imperceptible: 7 turbines theoretically visible in medium distant views at almost 4 km away. Localised semi-urban setting.	Negligible

Site ID	Site Name	Status	Easting	Northing	Distance to nearest Turbine (km)	No. Turbine tips visible	Heritage Importance	Setting	Contribution of setting	Sensitivity of Setting	Magnitude of Effect	Significance of Effect
34088	Greenock, 37 Ardgowan Street	Category B Listed	227005	676816	4.1	8	Regional	Listed building within Greenock on shore of Firth of Clyde. Localised semi-urban setting.	Medium (Localised)	Medium (localised)	Imperceptible: 8 turbines theoretically visible and in medium distant views at over 4 km away. Localised semi-urban setting.	Negligible
34089	Greenock, 44 Ardgowan Street	Category B Listed	226995	676884	4.1	8	Regional	Listed building within Greenock on shore of Firth of Clyde. Localised semi-urban setting.	Medium (Localised)	Medium (localised)	Imperceptible: 8 turbines theoretically visible and in medium distant views at over 4 km away. Localised semi-urban setting.	Negligible
34090	Greenock, 5-7 Bank Street	Category B Listed	227930	676009	2.9	7	Regional	Listed building within Greenock on shore of Firth of Clyde. Localised semi-urban setting.	Medium (Localised)	Medium (localised)	Imperceptible: 7 turbines theoretically visible in medium views at almost 3 km away. Localised semi-urban setting.	Negligible
34090	Greenock, 22 Bank Street	Category B Listed	227847	675763	2.8	6	Regional	Listed building within Greenock on shore of Firth of Clyde. Localised semi-urban setting.	Medium (Localised)	Medium (localised)	Imperceptible: 6 turbines theoretically visible in medium views at almost 3 km away. Localised semi-urban setting.	Negligible
34091	Greenock, 2 Brougham Street	Category B Listed	227481	676822	3.9	7	Regional	Listed building within Greenock on shore of Firth of Clyde. Localised semi-urban setting.	Medium (Localised)	Medium (localised)	Imperceptible: 7 turbines theoretically visible but in medium distant views at almost 4 km away. Localised semi-urban setting.	Negligible
34092	Greenock, 4 Brougham Street, Keir Hardie House	Category B Listed	227472	676840	3.9	7	Regional	Listed building within Greenock on shore of Firth of Clyde. Localised semi-urban setting.	Medium (Localised)	Medium (localised)	Imperceptible: 7 turbines theoretically visible but in medium distant views at almost 4 km away. Localised semi-urban setting.	Negligible
34093	Greenock, 6 Brougham Street	Category B Listed	227459	676850	3.9	7	Regional	Listed building within Greenock on shore of Firth of Clyde. Localised semi-urban setting.	Medium (Localised)	Medium (localised)	Imperceptible: 7 turbines theoretically visible but in medium distant views at almost 4 km away. Localised semi-urban setting.	Negligible
34094	Greenock, 8 Brougham Street	Category B Listed	227447	676861	3.9	7	Regional	Listed building within Greenock on shore of Firth of Clyde. Localised semi-urban setting.	Medium (Localised)	Medium (localised)	Imperceptible: 7 turbines theoretically visible but in medium distant views at almost 4 km away. Localised semi-urban setting.	Negligible

Site ID	Site Name	Status	Easting	Northing	Distance to nearest Turbine (km)	No. Turbine tips visible	Heritage Importance	Setting	Contribution of setting	Sensitivity of Setting	Magnitude of Effect	Significance of Effect
34095	Greenock, Campbell Street, Old West Kirk	Category B Listed	227325	677125	4.2	9	Regional	Listed building within Greenock on shore of Firth of Clyde. Localised semi-urban setting.	Medium (Localised)	Medium (localised)	Imperceptible: 9 turbines theoretically visible but in medium distant views at over 4 km away. Localised semi-urban setting.	Negligible
34097	Greenock, 96 Cathcart Street, Royal Bank of Scotland	Category B Listed	228115	676081	2.9	7	Regional	Listed building within Greenock on shore of Firth of Clyde. Localised semi-urban setting.	Medium (Localised)	Medium (localised)	Imperceptible: 7 turbines theoretically visible in medium views at almost 3 km away. Localised semi-urban setting.	Negligible
34098	Greenock, 134 Cathcart Street, Clydesdale Bank	Category B Listed	228026	676111	3.0	7	Regional	Listed building within Greenock on shore of Firth of Clyde. Localised semi-urban setting.	Medium (Localised)	Medium (localised)	Imperceptible: 7 turbines theoretically visible in medium views at 3 km away. Localised semi-urban setting.	Negligible
34098	Greenock, 130 - 132 Cathcart Street, Clydesdale Bank	Category B Listed	228037	676108	3.0	7	Regional	Listed building within Greenock on shore of Firth of Clyde. Localised semi-urban setting.	Medium (Localised)	Medium (localised)	Imperceptible: 7 turbines theoretically visible in medium views at 3 km away. Localised semi-urban setting.	Negligible
34099	Greenock, 6 Cathcart Square, Cathcart House	Category B Listed	228005	676151	3.0	7	Regional	Listed building within Greenock on shore of Firth of Clyde. Localised semi-urban setting.	Medium (Localised)	Medium (localised)	Imperceptible: 7 turbines theoretically visible in medium views at 3 km away. Localised semi-urban setting.	Negligible
34101	Greenock, 105 Dalrymple Street, Child Guidance Centre	Category B Listed	228042	676190	3.0	7	Regional	Listed building within Greenock on shore of Firth of Clyde. Localised semi-urban setting.	Medium (Localised)	Medium (localised)	Imperceptible: 7 turbines theoretically visible in medium views at 3 km away. Localised semi-urban setting.	Negligible
34103	Greenock, Eldon Street, Nursing Home	Category B Listed	226837	677423	4.7	9	Regional	Listed building within Greenock on shore of Firth of Clyde. Localised semi-urban setting.	Medium (Localised)	Medium (localised)	Imperceptible: 9 turbines theoretically visible but in medium distant views at almost 5 km away. Localised semi-urban setting.	Negligible
34106	Greenock, 48 Eldon Street, Seafield Cottage	Category B Listed	226936	677506	4.7	9	Regional	Listed building within Greenock on shore of Firth of Clyde. Localised semi-urban setting.	Medium (Localised)	Medium (localised)	Imperceptible: 9 turbines theoretically visible but in medium distant views at almost 5 km away. Localised semi-urban setting.	Negligible
34108	Greenock, 64 Eldon Street	Category B Listed	226881	677527	4.8	9	Regional	Listed building within Greenock on shore of Firth of Clyde. Localised semi-urban setting.	Medium (Localised)	Medium (localised)	Imperceptible: 9 turbines theoretically visible but in medium distant views at almost 5 km away. Localised semi-urban setting.	Negligible

Site ID	Site Name	Status	Easting	Northing	Distance to nearest Turbine (km)	No. Turbine tips visible	Heritage Importance	Setting	Contribution of setting	Sensitivity of Setting	Magnitude of Effect	Significance of Effect
34109	Greenock, 68 Eldon Street	Category B Listed	226861	677533	4.8	9	Regional	Listed building within Greenock on shore of Firth of Clyde. Localised semi-urban setting.	Medium (Localised)	Medium (localised)	Imperceptible: 9 turbines theoretically visible but in medium distant views at almost 5 km away. Localised semi-urban setting.	Negligible
34110	Greenock, 134 Eldon Street	Category B Listed	226529	677711	5.1	9	Regional	Listed building within Greenock on shore of Firth of Clyde. Localised semi-urban setting.	Medium (Localised)	Medium (localised)	Imperceptible: 9 turbines theoretically visible and in medium distant views at over 5 km away. Localised semi-urban setting.	Negligible
34111	Greenock, 153, 155 Finnart Street	Category B Listed	226575	677044	4.5	9	Regional	Listed building within Greenock on shore of Firth of Clyde. Localised semi-urban setting.	Medium (Localised)	Medium (localised)	Imperceptible: 9 turbines theoretically visible and in medium distant views at 4.5 km away. Localised semi-urban setting.	Negligible
34112	Greenock, 48 Forsyth Street, Glenpark Nursing Home	Category B Listed	226905	676904	4.2	9	Regional	Listed building within Greenock on shore of Firth of Clyde. Localised semi-urban setting.	Medium (Localised)	Medium (localised)	Imperceptible: 9 turbines theoretically visible and in medium distant views at over 4 km away. Localised semi-urban setting.	Negligible
34116	Greenock, George Square, George Square Congregational Church	Category B Listed	227480	676525	3.6	7	Regional	Listed building within Greenock on shore of Firth of Clyde. Localised semi-urban setting.	Medium (Localised)	Medium (localised)	Imperceptible: 7 turbines theoretically visible and in medium distant views at over 3.5 km away. Localised semi-urban setting.	Negligible
34117	Greenock, George Square, St George's North Church	Category B Listed	227515	676455	3.5	7	Regional	Listed building within Greenock on shore of Firth of Clyde. Localised semi-urban setting.	Medium (Localised)	Medium (localised)	Imperceptible: 7 turbines theoretically visible and in medium distant views at 3.5 km away. Localised semi-urban setting.	Negligible
34118	Greenock, South Street, Cemetery, Gates	Category B Listed	227044	676148	3.5	6	Regional	Listed building within Greenock on shore of Firth of Clyde. Localised semi-urban setting.	Medium (Localised)	Medium (localised)	Imperceptible: 6 turbines theoretically visible and in medium distant views at 3.5 km away. Localised semi-urban setting.	Negligible
34120	Greenock, Crematorium, Tempietto	Category B Listed	226693	676324	3.8	7	Regional	Listed building within Greenock on shore of Firth of Clyde. Localised semi-urban setting.	Medium (Localised)	Medium (localised)	Imperceptible: 7 turbines theoretically visible and in medium distant views at over 3.5 km away. Localised semi-urban setting.	Negligible

Site ID	Site Name	Status	Easting	Northing	Distance to nearest Turbine (km)	No. Turbine tips visible	Heritage Importance	Setting	Contribution of setting	Sensitivity of Setting	Magnitude of Effect	Significance of Effect
34121	Greenock, Grey Place, St Columba's Gaelic Church	Category B Listed	227514	676817	3.8	7	Regional	Listed building within Greenock on shore of Firth of Clyde. Localised semi-urban setting.	Medium (Localised)	Medium (localised)	Imperceptible: 7 turbines theoretically visible and in medium distant views at almost 4 km away. Localised semi-urban setting.	Negligible
34125	Greenock, 8 Johnston Street, Bellevue	Category B Listed	226920	677379	4.6	9	Regional	Listed building within Greenock on shore of Firth of Clyde. Localised semi-urban setting.	Medium (Localised)	Medium (localised)	Imperceptible: 9 turbines theoretically visible and in medium distant views at over 4.5 km away. Localised semi-urban setting.	Negligible
34126	Greenock, Kelly Street, Greenbank Institute	Category B Listed	227049	676347	3.7	7	Regional	Listed building within Greenock on shore of Firth of Clyde. Localised semi-urban setting.	Medium (Localised)	Medium (localised)	Imperceptible: 7 turbines theoretically visible and in medium distant views at almost 4km away. Localised semi-urban setting.	Negligible
34128	Greenock, 21 Madeira Street	Category B Listed	226668	677337	4.7	9	Regional	Listed building within Greenock on shore of Firth of Clyde. Localised semi-urban setting.	Medium (Localised)	Medium (localised)	Imperceptible: 9 turbines theoretically visible but in medium distant views at over 4.5 km away. Localised semi-urban setting.	Negligible
34129	Greenock, 27 Madeira Street, Former Finnart Church of Scotland	Category B Listed	226620	677221	4.6	9	Regional	Listed building within Greenock on shore of Firth of Clyde. Localised semi-urban setting.	Medium (Localised)	Medium (localised)	Imperceptible: 9 turbines theoretically visible but in medium distant views at over 4.5 km away. Localised semi-urban setting.	Negligible
34130	Greenock, 31 Margaret Street	Category B Listed	227032	677097	4.3	8	Regional	Listed building within Greenock on shore of Firth of Clyde. Localised semi-urban setting.	Medium (Localised)	Medium (localised)	Imperceptible: 8 turbines theoretically visible but in medium distant views at almost 4.5 km away. Localised semi-urban setting.	Negligible
34131	Greenock, 20-22 Margaret Street	Category B Listed	227034	677171	4.4	8	Regional	Listed building within Greenock on shore of Firth of Clyde. Localised semi-urban setting.	Medium (Localised)	Medium (localised)	Imperceptible: 8 turbines theoretically visible but in medium distant views at almost 4.5 km away. Localised semi-urban setting.	Negligible
34132	Greenock, 24-26 Margaret Street	Category B Listed	227021	677155	4.4	9	Regional	Listed building within Greenock on shore of Firth of Clyde. Localised semi-urban setting.	Medium (Localised)	Medium (localised)	Imperceptible: 9 turbines theoretically visible but in medium distant views at almost 4.5 km away. Localised semi-urban setting.	Negligible

Site ID	Site Name	Status	Easting	Northing	Distance to nearest Turbine (km)	No. Turbine tips visible	Heritage Importance	Setting	Contribution of setting	Sensitivity of Setting	Magnitude of Effect	Significance of Effect
34133	Greenock, Nelson Street, Court House	Category B Listed	227426	676390	3.5	7	Regional	Listed building within Greenock on shore of Firth of Clyde. Localised semi-urban setting.	Medium (Localised)	Medium (localised)	Imperceptible: 7 turbines theoretically visible in medium views at 3.5 km away. Localised semi-urban setting.	Negligible
34135	Greenock, 61 Newark Street, Lindores	Category B Listed	226216	677439	5.0	3	Regional	Listed building within Greenock on shore of Firth of Clyde. Localised semi-urban setting.	Medium (Localised)	Medium (localised)	Imperceptible: only 3 turbines theoretically visible and in medium distant views at 5 km away. Localised semi-urban setting.	Negligible
34137	Greenock, 12 Newark Street	Category B Listed	226743	677313	4.7	9	Regional	Listed building within Greenock on shore of Firth of Clyde. Localised semi-urban setting.	Medium (Localised)	Medium (localised)	Imperceptible: 9 turbines theoretically visible but in medium distant views at almost 5 km away. Localised semi-urban setting.	Negligible
34140	Greenock, 88-90 Newark Street, Birnam	Category B Listed	226237	677566	5.1	9	Regional	Listed building within Greenock on shore of Firth of Clyde. Localised semi-urban setting.	Medium (Localised)	Medium (localised)	Imperceptible: 7 turbines theoretically visible and in medium distant views at over 5 km away. Localised semi-urban setting.	Negligible
34141	Greenock, 98-100 Newark Street, Westhorne	Category B Listed	226177	677604	5.2	9	Regional	Listed building within Greenock on shore of Firth of Clyde. Localised semi-urban setting.	Medium (Localised)	Medium (localised)	Imperceptible: 7 turbines theoretically visible and in medium distant views at over 5 km away. Localised semi-urban setting.	Negligible
34142	Greenock, 14 Patrick Street, St Mary's Roman Catholic Church, Presbytery	Category B Listed	227432	676798	3.9	7	Regional	Listed building within Greenock on shore of Firth of Clyde. Localised semi-urban setting.	Medium (Localised)	Medium (localised)	Imperceptible: 7 turbines theoretically visible and in medium distant views at almost 4 km away. Localised semi-urban setting.	Negligible
34142	Greenock, 14 Patrick Street, St Mary's Roman Catholic Church	Category B Listed	227440	676808	3.9	7	Regional	Listed building within Greenock on shore of Firth of Clyde. Localised semi-urban setting.	Medium (Localised)	Medium (localised)	Imperceptible: 7 turbines theoretically visible and in medium distant views at almost 4 km away. Localised semi-urban setting.	Negligible
34143	Greenock, 1 Shaw Place	Category B Listed	227910	676015	2.9	7	Regional	Listed building within Greenock on shore of Firth of Clyde. Localised semi-urban setting.	Medium (Localised)	Medium (localised)	Imperceptible: 7 turbines theoretically visible and in medium views at almost 3 km away. Localised semi-urban setting.	Negligible

Site ID	Site Name	Status	Easting	Northing	Distance to nearest Turbine (km)	No. Turbine tips visible	Heritage Importance	Setting	Contribution of setting	Sensitivity of Setting	Magnitude of Effect	Significance of Effect
34144	Greenock, 2 Shaw Place	Category B Listed	227896	676017	2.9	7	Regional	Listed building within Greenock on shore of Firth of Clyde. Localised semi-urban setting.	Medium (Localised)	Medium (localised)	Imperceptible: 7 turbines theoretically visible and in medium views at almost 3 km away. Localised semi-urban setting.	Negligible
34145	Greenock, 3 Shaw Place	Category B Listed	227884	676021	3.0	7	Regional	Listed building within Greenock on shore of Firth of Clyde. Localised semi-urban setting.	Medium (Localised)	Medium (localised)	Imperceptible: 7 turbines theoretically visible and in medium views at 3 km away. Localised semi-urban setting.	Negligible
34146	Greenock, 4 Shaw Place	Category B Listed	227872	676025	3.0	7	Regional	Listed building within Greenock on shore of Firth of Clyde. Localised semi-urban setting.	Medium (Localised)	Medium (localised)	Imperceptible: 7 turbines theoretically visible and in medium views at 3 km away. Localised semi-urban setting.	Negligible
34147	Greenock, 5 Shaw Place	Category B Listed	227857	676027	3.0	7	Regional	Listed building within Greenock on shore of Firth of Clyde. Localised semi-urban setting.	Medium (Localised)	Medium (localised)	Imperceptible: 7 turbines theoretically visible and in medium views at 3 km away. Localised semi-urban setting.	Negligible
34152	Greenock, Union Street, Trinity Church of Scotland	Category B Listed	227126	676831	4.0	7	Regional	Listed building within Greenock on shore of Firth of Clyde. Localised semi-urban setting.	Medium (Localised)	Medium (localised)	Imperceptible: 7 turbines theoretically visible and in medium distant views at 4 km away. Localised semi-urban setting.	Negligible
34153	Greenock, Union Street, St John The Evangelist Episcopal Church	Category B Listed	227434	676575	3.7	7	Regional	Listed building within Greenock on shore of Firth of Clyde. Localised semi-urban setting.	Medium (Localised)	Medium (localised)	Imperceptible: 7 turbines theoretically visible and in medium distant views at almost 4 km away. Localised semi-urban setting.	Negligible
34161	Greenock, 44 Union Street, Home for the Aged	Category B Listed	227146	676974	4.1	7	Regional	Listed building within Greenock on shore of Firth of Clyde. Localised semi-urban setting.	Medium (Localised)	Medium (localised)	Imperceptible: 7 turbines theoretically visible and in medium distant views at over 4 km away. Localised semi-urban setting.	Negligible
34162	Greenock, 62 Union Street	Category B Listed	226957	677095	4.4	9	Regional	Listed building within Greenock on shore of Firth of Clyde. Localised semi-urban setting.	Medium (Localised)	Medium (localised)	Imperceptible: 7 turbines theoretically visible and in medium distant views at almost 4.5 km away. Localised semi-urban setting.	Negligible



Site ID	Site Name	Status	Easting	Northing	Distance to nearest Turbine (km)	No. Turbine tips visible	Heritage Importance	Setting	Contribution of setting	Sensitivity of Setting	Magnitude of Effect	Significance of Effect
34163	Greenock, 64-66 Union Street	Category B Listed	226940	677122	4.4	9	Regional	Listed building within Greenock on shore of Firth of Clyde. Localised semi-urban setting.	Medium (Localised)	Medium (localised)	Imperceptible: 7 turbines theoretically visible and in medium distant views at almost 4.5 km away. Localised semi-urban setting.	Negligible
34164	Greenock, 72 Union Street	Category B Listed	226907	677154	4.4	9	Regional	Listed building within Greenock on shore of Firth of Clyde. Localised semi-urban setting.	Medium (Localised)	Medium (localised)	Imperceptible: 7 turbines theoretically visible and in medium distant views at almost 4.5 km away. Localised semi-urban setting.	Negligible
34167	Greenock, 49-55 West Blackhall Street	Category B Listed	227650	676502	3.5	7	Regional	Listed building within Greenock on shore of Firth of Clyde. Localised semi-urban setting.	Medium (Localised)	Medium (localised)	Imperceptible: 7 turbines theoretically visible and in medium distant views at 3.5 km away. Localised semi-urban setting.	Negligible
34167	Greenock, 49-55 West Blackhall Street	Category B Listed	227652	676496	3.5	7	Regional	Listed building within Greenock on shore of Firth of Clyde. Localised semi-urban setting.	Medium (Localised)	Medium (localised)	Imperceptible: 7 turbines theoretically visible and in medium distant views at 3.5 km away. Localised semi-urban setting.	Negligible
34168	Greenock, 30 West Stewart Street	Category B Listed	227552	676610	3.6	7	Regional	Listed building within Greenock on shore of Firth of Clyde. Localised semi-urban setting.	Medium (Localised)	Medium (localised)	Imperceptible: 7 turbines theoretically visible and in medium distant views at over 3.5 km away. Localised semi-urban setting.	Negligible
34169	Greenock, 9 William Street	Category B Listed	228052	676161	3.0	7	Regional	Listed building within Greenock on shore of Firth of Clyde. Localised semi-urban setting.	Medium (Localised)	Medium (localised)	Imperceptible: 7 turbines theoretically visible and in medium distant views at 3 km away. Localised semi-urban setting.	Negligible
34170	Greenock, 11 William Street, Greenock Provident Bank	Category B Listed	228037	676146	3.0	7	Regional	Listed building within Greenock on shore of Firth of Clyde. Localised semi-urban setting.	Medium (Localised)	Medium (localised)	Imperceptible: 7 turbines theoretically visible and in medium distant views at 3 km away. Localised semi-urban setting.	Negligible
34171	Greenock, 14 William Street	Category B Listed	228013	676152	3.0	7	Regional	Listed building within Greenock on shore of Firth of Clyde. Localised semi-urban setting.	Medium (Localised)	Medium (localised)	Imperceptible: 7 turbines theoretically visible and in medium distant views at 3 km away. Localised semi-urban setting.	Negligible

Site ID	Site Name	Status	Easting	Northing	Distance to nearest Turbine (km)	No. Turbine tips visible	Heritage Importance	Setting	Contribution of setting	Sensitivity of Setting	Magnitude of Effect	Significance of Effect
34177	Greenock, 98-100 Bearhope, McEwing Building Contractors	Category B Listed	227501	676025	3.2	6	Regional	Listed building within Greenock on shore of Firth of Clyde. Localised semi-urban setting.	Medium (Localised)	Medium (localised)	Imperceptible: 6 turbines theoretically visible in medium views at over 3 km away. Localised semi-urban setting.	Negligible
34179	Greenock, Esplanade, Cast-Iron Navigation Light	Category B Listed	226796	677636	4.9	9	Regional	Listed building within Greenock on shore of Firth of Clyde. Localised semi-urban setting.	Medium (Localised)	Medium (localised)	Imperceptible: 9 turbines theoretically visible and in medium distant views at almost 5 km away. Localised semi-urban setting.	Negligible
34180	Greenock, 5-7 Clarence Street	Category B Listed	227719	676715	3.6	7	Regional	Listed building within Greenock on shore of Firth of Clyde. Localised semi-urban setting.	Medium (Localised)	Medium (localised)	Imperceptible: 7 turbines theoretically visible and in medium distant views at almost over 3.5 km away. Localised semi-urban setting.	Negligible
34181	Greenock, Ker Street, Glebe Sugar Refinery	Category B Listed	227607	676776	3.8	7	Regional	Listed building within Greenock on shore of Firth of Clyde. Localised semi-urban setting.	Medium (Localised)	Medium (localised)	Imperceptible: 7 turbines theoretically visible in medium distant views at almost 4 km away. Localised semi-urban setting.	Negligible
34182	Greenock, Custom House Quay, Clock Tower	Category B Listed	228330	676237	3.0	7	Regional	Listed building within Greenock on shore of Firth of Clyde. Localised semi-urban setting.	Medium (Localised)	Medium (localised)	Imperceptible: 7 turbines theoretically visible in medium views at 3 km away. Localised semi-urban setting.	Negligible
34183	Greenock, 80-92 Cathcart Street, Head Post Office	Category B Listed	228145	676082	2.9	6	Regional	Listed building within Greenock on shore of Firth of Clyde. Localised semi-urban setting.	Medium (Localised)	Medium (localised)	Imperceptible: 6 turbines theoretically visible and in medium views at almost 3 km away. Localised semi-urban setting.	Negligible
34695	Helensburgh, 9 Abercromby Street East, Auchenteil	Category B Listed	230206	683132	9.7	10	Regional	Listed building within Helensburgh. Localised semi-urban setting.	Medium (Localised)	Medium (localised)	Imperceptible: 10 turbines theoretically visible but on distant horizon at over 9.5km away. Localised setting within Helensburgh.	Negligible
34696	Helensburgh, Green Park, 47 Charlotte Street	Category B Listed	230268	683112	9.7	10	Regional	Listed building within Helensburgh. Localised semi-urban setting.	Medium (Localised)	Medium (localised)	Imperceptible: 10 turbines theoretically visible but on distant horizon at over 9.5km away. Localised setting within Helensburgh.	Negligible

Site ID	Site Name	Status	Easting	Northing	Distance to nearest Turbine (km)	No. Turbine tips visible	Heritage Importance	Setting	Contribution of setting	Sensitivity of Setting	Magnitude of Effect	Significance of Effect
34697	Helensburgh, 13 Abercromby Street East, Hapland	Category B Listed	230339	683087	9.7	10	Regional	Listed building within Helensburgh. Localised semi-urban setting.	Medium (Localised)	Medium (localised)	Imperceptible: 10 turbines theoretically visible but on distant horizon at over 9.5km away. Localised setting within Helensburgh.	Negligible
34697	Helensburgh, 50 Charlotte Street, Hapland Coach House	Category B Listed	230329	683106	9.7	10	Regional	Listed building within Helensburgh. Localised semi-urban setting.	Medium (Localised)	Medium (localised)	Imperceptible: 10 turbines theoretically visible but on distant horizon at over 9.5km away. Localised setting within Helensburgh.	Negligible
34698	Helensburgh, 17 Abercromby Street East	Category B Listed	230597	683027	9.7	10	Regional	Listed building within Helensburgh. Localised semi-urban setting.	Medium (Localised)	Medium (localised)	Imperceptible: 10 turbines theoretically visible but on distant horizon at over 9.5km away. Localised setting within Helensburgh.	Negligible
34699	Helensburgh, 19 Abercromby Street East	Category B Listed	230637	683053	9.7	10	Regional	Listed building within Helensburgh. Localised semi-urban setting.	Medium (Localised)	Medium (localised)	Imperceptible: 10 turbines theoretically visible but on distant horizon at over 9.5km away. Localised setting within Helensburgh.	Negligible
34701	Helensburgh, 2 Adelaide Street	Category B Listed	230277	682023	8.7	10	Regional	Listed building within Helensburgh. Localised semi-urban setting.	Medium (Localised)	Medium (localised)	Imperceptible: 10 turbines theoretically visible but on distant horizon at over 8.5 km away. Localised setting within Helensburgh.	Negligible
34702	Helensburgh, 4 Albert Street, Moorgate	Category B Listed	230408	682809	9.4	10	Regional	Listed building within Helensburgh. Localised semi-urban setting.	Medium (Localised)	Medium (localised)	Imperceptible: 10 turbines theoretically visible but on distant horizon at over 9 km away. Localised setting within Helensburgh.	Negligible
34703	Ardencaple Castle	Category B Listed	228210	683009	9.6	10	Regional	Remains of 18th century tower, following demolition of main castle in 20th century. Localised setting within Helensburgh. Some social value due to architectural/historical properties	Medium (Localised)	Medium (localised)	Imperceptible: 10 turbines theoretically visible but on distant horizon at over 9.5km away. Localised setting within Helensburgh.	Negligible
34707	Helensburgh, 32 Argyle Street West	Category B Listed	228974	682898	9.5	10	Regional	Listed building within Helensburgh. Localised semi-urban setting.	Medium (Localised)	Medium (localised)	Imperceptible: 10 turbines theoretically visible but on distant horizon at 9.5 km away. Localised setting within Helensburgh.	Negligible

Site ID	Site Name	Status	Easting	Northing	Distance to nearest Turbine (km)	No. Turbine tips visible	Heritage Importance	Setting	Contribution of setting	Sensitivity of Setting	Magnitude of Effect	Significance of Effect
34710	Helensburgh, 121 Argyle Street West, The Lodge	Category B Listed	228968	682833	9.4	10	Regional	Listed building within Helensburgh. Localised semi-urban setting.	Medium (Localised)	Medium (localised)	Imperceptible: 10 turbines theoretically visible but on distant horizon at over 9 km away. Localised setting within Helensburgh.	Negligible
34712	Helensburgh, 38, 40 Campbell Street, Burnside	Category B Listed	229209	682753	9.3	10	Regional	Listed building within Helensburgh. Localised semi-urban setting.	Medium (Localised)	Medium (localised)	Imperceptible: 10 turbines theoretically visible but on distant horizon at over 9 km away. Localised setting within Helensburgh.	Negligible
34713	Helensburgh, 50 Campbell Street, West Burn	Category B Listed	229344	683074	9.6	10	Regional	Listed building within Helensburgh. Localised semi-urban setting.	Medium (Localised)	Medium (localised)	Imperceptible: 10 turbines theoretically visible but on distant horizon at over 9.5 km away. Localised setting within Helensburgh.	Negligible
34714	Helensburgh, Charlotte Street, Park Church and Church Hall	Category B Listed	229970	682434	9.0	10	Regional	Listed building within Helensburgh. Localised semi-urban setting.	Medium (Localised)	Medium (localised)	Imperceptible: 10 turbines theoretically visible but on distant horizon at 9 km away. Localised setting within Helensburgh.	Negligible
34715	Helensburgh, 33 Charlotte Street, The Crossways	Category B Listed	230150	682822	9.4	10	Regional	Listed building within Helensburgh. Localised semi-urban setting.	Medium (Localised)	Medium (localised)	Imperceptible: 10 turbines theoretically visible but on distant horizon at over 9 km away. Localised setting within Helensburgh.	Negligible
34716	Helensburgh, 41 Charlotte Street	Category B Listed	230271	682959	9.6	10	Regional	Listed building within Helensburgh. Localised semi-urban setting.	Medium (Localised)	Medium (localised)	Imperceptible: 10 turbines theoretically visible but on distant horizon at over 9.5 km away. Localised setting within Helensburgh.	Negligible
34717	Helensburgh, 43 Charlotte Street	Category B Listed	230238	682982	9.6	10	Regional	Listed building within Helensburgh. Localised semi-urban setting.	Medium (Localised)	Medium (localised)	Imperceptible: 10 turbines theoretically visible but on distant horizon at over 9.5 km away. Localised setting within Helensburgh.	Negligible
34718	Helensburgh, 45 Charlotte Street	Category B Listed	230271	683006	9.6	10	Regional	Listed building within Helensburgh. Localised semi-urban setting.	Medium (Localised)	Medium (localised)	Imperceptible: 10 turbines theoretically visible but on distant horizon at over 9.5 km away. Localised setting within Helensburgh.	Negligible

Site ID	Site Name	Status	Easting	Northing	Distance to nearest Turbine (km)	No. Turbine tips visible	Heritage Importance	Setting	Contribution of setting	Sensitivity of Setting	Magnitude of Effect	Significance of Effect
34720	Helensburgh, 46 Charlotte Street, Arden	Category B Listed	230345	682960	9.6	10	Regional	Listed building within Helensburgh. Localised semi-urban setting.	Medium (Localised)	Medium (localised)	Imperceptible: 10 turbines theoretically visible but on distant horizon at over 9.5 km away. Localised setting within Helensburgh.	Negligible
34721	Helensburgh, 121 Clyde Street East	Category B Listed	230009	682143	8.8	10	Regional	Listed building within Helensburgh. Localised semi-urban setting.	Medium (Localised)	Medium (localised)	Imperceptible: 10 turbines theoretically visible but on distant horizon at over 8.5 km away. Localised setting within Helensburgh.	Negligible
34735	Helensburgh, 148 East Clyde Street, Cromalt	Category B Listed	230552	681772	8.4	10	Regional	Early 19th century villa. Localised setting within Helensburgh.	Medium (Localised)	Medium (localised)	Imperceptible: 10 turbines theoretically visible but on distant horizon at over 8 km away. Localised setting within Helensburgh.	Negligible
34736	Helensburgh, 148 Clyde Street East, Cromalt, Coach House and Stable	Category B Listed	230571	681752	8.4	10	Regional	Stables associated with early 19th century villa. Localised setting house.	Medium (Localised)	Medium (localised)	Imperceptible: 10 turbines theoretically visible but on distant horizon at over 8 km away. Localised setting within Helensburgh.	Negligible
34736	Helensburgh, 148 Clyde Street East, Cromalt, Coach House and Stable, SW Wing	Category B Listed	230564	681743	8.4	10	Regional	Stables associated with early 19th century villa. Localised setting house.	Medium (Localised)	Medium (localised)	Imperceptible: 10 turbines theoretically visible but on distant horizon at over 8 km away. Localised setting within Helensburgh.	Negligible
34738	Helensburgh, 150 Clyde Street East, Rockland, Lodge	Category B Listed	230672	681755	8.4	10	Regional	Lodge associated with Mid-19th century villa. Localised setting house.	Medium (Localised)	Medium (localised)	Imperceptible: 10 turbines theoretically visible but on distant horizon at over 8 km away. Localised setting within Helensburgh.	Negligible
34739	Helensburgh, 152 Clyde Street East, Tigh - na - Mara	Category B Listed	230627	681661	8.3	10	Regional	Former early 20th century villa, no substantially altered. Localised setting within Helensburgh.	Medium (Localised)	Medium (localised)	Imperceptible: 10 turbines theoretically visible but on distant horizon at over 8 km away. Localised setting within Helensburgh.	Negligible
34741	Helensburgh, 154 Clyde Street East, Rockfort	Category B Listed	230641	681590	8.3	10	Regional	Stables associated with early 19th century villa. Localised setting house.	Medium (Localised)	Medium (localised)	Imperceptible: 10 turbines theoretically visible but on distant horizon at over 8 km away. Localised setting within Helensburgh.	Negligible

Site ID	Site Name	Status	Easting	Northing	Distance to nearest Turbine (km)	No. Turbine tips visible	Heritage Importance	Setting	Contribution of setting	Sensitivity of Setting	Magnitude of Effect	Significance of Effect
34741	Helensburgh, 154 Clyde Street East, Rockfort, Folly	Category B Listed	230709	681691	8.4	10	Regional	Mid-19th century Tudor revival villa. Localised setting within Helensburgh	Medium (Localised)	Medium (localised)	Imperceptible: 10 turbines theoretically visible but on distant horizon at over 8 km away. Localised setting within Helensburgh.	Negligible
34743	Helensburgh, Clyde Street West, Esplanade, Monument to Henry Bell	Category B Listed	229381	682323	8.9	10	Regional	Listed building within Helensburgh. Localised semi-urban setting.	Medium (Localised)	Medium (localised)	Imperceptible: 10 turbines theoretically visible but on distant horizon at almost 9 km away. Localised setting within Helensburgh.	Negligible
34746	Helensburgh, 24 West Clyde Street, National Bank of Scotland	Category B Listed	229514	682310	8.9	10	Regional	Listed building within Helensburgh. Localised semi-urban setting.	Medium (Localised)	Medium (localised)	Imperceptible: 10 turbines theoretically visible but on distant horizon at almost 9 km away. Localised setting within Helensburgh.	Negligible
34747	Helensburgh, 36 Clyde Street West	Category B Listed	229446	682342	8.9	10	Regional	Listed building within Helensburgh. Localised semi-urban setting.	Medium (Localised)	Medium (localised)	Imperceptible: 10 turbines theoretically visible but on distant horizon at almost 9 km away. Localised setting within Helensburgh.	Negligible
34748	Helensburgh, 42 - 45 Clyde Street West	Category B Listed	229411	682352	8.9	10	Regional	Listed building within Helensburgh. Localised semi-urban setting.	Medium (Localised)	Medium (localised)	Imperceptible: 10 turbines theoretically visible but on distant horizon at almost 9 km away. Localised setting within Helensburgh.	Negligible
34751	Helensburgh, 119 Clyde Street West	Category B Listed	228879	682538	9.1	10	Regional	Listed building within Helensburgh. Localised semi-urban setting.	Medium (Localised)	Medium (localised)	Imperceptible: 10 turbines theoretically visible but on distant horizon at over 9 km away. Localised setting within Helensburgh.	Negligible
34753	Helensburgh, 26 Colquhoun Square, Bank of Scotland	Category B Listed	229577	682475	9.1	10	Regional	Listed building within Helensburgh. Localised semi-urban setting.	Medium (Localised)	Medium (localised)	Imperceptible: 10 turbines theoretically visible but on distant horizon at over 9 km away. Localised setting within Helensburgh.	Negligible
34754	Helensburgh, 18 Colquhoun Street, Post Office	Category B Listed	229490	682414	9.0	10	Regional	Listed building within Helensburgh. Localised semi-urban setting.	Medium (Localised)	Medium (localised)	Imperceptible: 10 turbines theoretically visible but on distant horizon at 9 km away. Localised setting within Helensburgh.	Negligible

Site ID	Site Name	Status	Easting	Northing	Distance to nearest Turbine (km)	No. Turbine tips visible	Heritage Importance	Setting	Contribution of setting	Sensitivity of Setting	Magnitude of Effect	Significance of Effect
34755	Helensburgh, 41 Colquhoun Street, Galloway Cottage	Category B Listed	229668	682973	9.6	10	Regional	Listed building within Helensburgh. Localised semi-urban setting.	Medium (Localised)	Medium (localised)	Imperceptible: 10 turbines theoretically visible but on distant horizon at over 9.5 km away. Localised setting within Helensburgh.	Negligible
34756	Helensburgh, 49-51 Colquhoun Street, Pynhannot House	Category B Listed	229776	683275	9.9	10	Regional	Listed building within Helensburgh. Localised semi-urban setting.	Medium (Localised)	Medium (localised)	Imperceptible: 10 turbines theoretically visible but on distant horizon at almost 10 km away. Localised setting within Helensburgh.	Negligible
34764	Helensburgh, Colquhoun Square, Celtic Cross	Category B Listed	229525	682431	9.0	10	Regional	Listed building within Helensburgh. Localised semi-urban setting.	Medium (Localised)	Medium (localised)	Imperceptible: 10 turbines theoretically visible but on distant horizon at almost 10 km away. Localised setting within Helensburgh.	Negligible
34765	Helensburgh, 56-60 West Princes Street	Category B Listed	229476	682454	9.0	10	Regional	Listed building within Helensburgh. Localised semi-urban setting.	Medium (Localised)	Medium (localised)	Imperceptible: 10 turbines theoretically visible but on distant horizon at almost 10 km away. Localised setting within Helensburgh.	Negligible
34765	Helensburgh, 20-22 Colquhoun Square	Category B Listed	229500	682451	9.0	10	Regional	Listed building within Helensburgh. Localised semi-urban setting.	Medium (Localised)	Medium (localised)	Imperceptible: 10 turbines theoretically visible but on distant horizon at almost 10 km away. Localised setting within Helensburgh.	Negligible
34765	Helensburgh, 23-25 Colquhoun Square	Category B Listed	229501	682470	9.0	10	Regional	Listed building within Helensburgh. Localised semi-urban setting.	Medium (Localised)	Medium (localised)	Imperceptible: 10 turbines theoretically visible but on distant horizon at almost 10 km away. Localised setting within Helensburgh.	Negligible
34765	Helensburgh, 19 Colquhoun Square	Category B Listed	229500	682443	9.0	10	Regional	Listed building within Helensburgh. Localised semi-urban setting.	Medium (Localised)	Medium (localised)	Imperceptible: 10 turbines theoretically visible but on distant horizon at almost 10 km away. Localised setting within Helensburgh.	Negligible
34765	Helensburgh, 50-54 West Princes Street	Category B Listed	229488	682449	9.0	10	Regional	Listed building within Helensburgh. Localised semi-urban setting.	Medium (Localised)	Medium (localised)	Imperceptible: 10 turbines theoretically visible but on distant horizon at almost 10 km away. Localised setting within Helensburgh.	Negligible

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34766	Helensburgh, Colquhoun Square, West Kirk	Category B Listed	229512	682486	9.1	10	Regional	Listed building within Helensburgh. Localised semi-urban setting.	Medium (Localised)	Medium (localised)	Imperceptible: 10 turbines theoretically visible but on distant horizon at almost 10 km away. Localised setting within Helensburgh.	Negligible
34775	Helensburgh, 3 Easterhill Road, Ardfern	Category B Listed	230527	683128	9.8	10	Regional	Listed building within Helensburgh. Localised semi-urban setting.	Medium (Localised)	Medium (localised)	Imperceptible: 10 turbines theoretically visible but on distant horizon at almost 10 km away. Localised setting within Helensburgh.	Negligible
34776	Helensburgh, 4 Easterhill Road, Dunluce	Category B Listed	230530	683167	9.8	10	Regional	Listed building within Helensburgh. Localised semi-urban setting.	Medium (Localised)	Medium (localised)	Imperceptible: 10 turbines theoretically visible but on distant horizon at almost 10 km away. Localised setting within Helensburgh.	Negligible
34777	Helensburgh, 46, 48 George Street, Towerville	Category B Listed	230308	682474	9.1	10	Regional	Listed building within Helensburgh. Localised semi-urban setting.	Medium (Localised)	Medium (localised)	Imperceptible: 10 turbines theoretically visible but on distant horizon at almost 10 km away. Localised setting within Helensburgh.	Negligible
34777	Helensburgh, 46, 48 George Street, Towerville, Lodge	Category B Listed	230282	682458	9.0	10	Regional	Listed building within Helensburgh. Localised semi-urban setting.	Medium (Localised)	Medium (localised)	Imperceptible: 10 turbines theoretically visible but on distant horizon at almost 10 km away. Localised setting within Helensburgh.	Negligible
34779	Helensburgh, 11 Glasgow Street, Wellcroft	Category B Listed	229001	682583	9.2	10	Regional	Listed building within Helensburgh. Localised semi-urban setting.	Medium (Localised)	Medium (localised)	Imperceptible: 10 turbines theoretically visible but on distant horizon at almost 10 km away. Localised setting within Helensburgh.	Negligible
34781	Helensburgh, 25 Glasgow Street	Category B Listed	229104	682914	9.5	10	Regional	Listed building within Helensburgh. Localised semi-urban setting.	Medium (Localised)	Medium (localised)	Imperceptible: 10 turbines theoretically visible but on distant horizon at almost 10 km away. Localised setting within Helensburgh.	Negligible
34784	Helensburgh, 22 Upper Glenfinlas Street, Clunie Hill	Category B Listed	230434	682677	9.3	10	Regional	Listed building within Helensburgh. Localised semi-urban setting.	Medium (Localised)	Medium (localised)	Imperceptible: 10 turbines theoretically visible but on distant horizon at almost 10 km away. Localised setting within Helensburgh.	Negligible



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34786	Helensburgh, 23 Henry Bell Street, Redcote	Category B Listed	230732	682397	9.1	10	Regional	Listed building within Helensburgh. Localised semi-urban setting.	Medium (Localised)	Medium (localised)	Imperceptible: 10 turbines theoretically visible but on distant horizon at almost 10 km away. Localised setting within Helensburgh.	Negligible
34788	Helensburgh, 89 James Street, Lomond School	Category B Listed	229593	683095	9.7	10	Regional	Listed building within Helensburgh. Localised semi-urban setting.	Medium (Localised)	Medium (localised)	Imperceptible: 10 turbines theoretically visible but on distant horizon at almost 10 km away. Localised setting within Helensburgh.	Negligible
34790	Helensburgh, 10, 12 James Street, Clydesdale Bank	Category B Listed	229427	682391	9.0	10	Regional	Listed building within Helensburgh. Localised semi-urban setting.	Medium (Localised)	Medium (localised)	Imperceptible: 10 turbines theoretically visible but on distant horizon at almost 10 km away. Localised setting within Helensburgh.	Negligible
34793	Helensburgh, 51 John Street, Lamp Standards	Category B Listed	229394	682793	9.4	10	Regional	Listed building within Helensburgh. Localised semi-urban setting.	Medium (Localised)	Medium (localised)	Imperceptible: 10 turbines theoretically visible but on distant horizon at almost 10 km away. Localised setting within Helensburgh.	Negligible
34796	Helensburgh, John Street, Provost Lamp Standards	Category B Listed	229386	682695	9.3	10	Regional	Listed building within Helensburgh. Localised semi-urban setting.	Medium (Localised)	Medium (localised)	Imperceptible: 10 turbines theoretically visible but on distant horizon at almost 10 km away. Localised setting within Helensburgh.	Negligible
34797	Helensburgh, 70 John Street	Category B Listed	229440	682745	9.3	10	Regional	Listed building within Helensburgh. Localised semi-urban setting.	Medium (Localised)	Medium (localised)	Imperceptible: 10 turbines theoretically visible but on distant horizon at almost 10 km away. Localised setting within Helensburgh.	Negligible
34798	Helensburgh, 76 John Street, Glen Kin	Category B Listed	229477	682922	9.5	10	Regional	Listed building within Helensburgh. Localised semi-urban setting.	Medium (Localised)	Medium (localised)	Imperceptible: 10 turbines theoretically visible but on distant horizon at almost 10 km away. Localised setting within Helensburgh.	Negligible
34799	Helensburgh, 80 John Street	Category B Listed	229495	683117	9.7	10	Regional	Listed building within Helensburgh. Localised semi-urban setting.	Medium (Localised)	Medium (localised)	Imperceptible: 10 turbines theoretically visible but on distant horizon at almost 10 km away. Localised setting within Helensburgh.	Negligible

Site ID	Site Name	Status	Easting	Northing	Distance to nearest Turbine (km)	No. Turbine tips visible	Heritage Importance	Setting	Contribution of setting	Sensitivity of Setting	Magnitude of Effect	Significance of Effect
34802	Helensburgh, King Street East, Baptist Church	Category B Listed	229742	682485	9.1	10	Regional	Listed building within Helensburgh. Localised semi-urban setting.	Medium (Localised)	Medium (localised)	Imperceptible: 10 turbines theoretically visible but on distant horizon at almost 10 km away. Localised setting within Helensburgh.	Negligible
34803	Helensburgh, Granville Street, Victoria Infirmary	Category B Listed	230787	682194	8.9	10	Regional	Listed building within Helensburgh. Localised semi-urban setting.	Medium (Localised)	Medium (localised)	Imperceptible: 10 turbines theoretically visible but on distant horizon at almost 10 km away. Localised setting within Helensburgh.	Negligible
34809	Helensburgh, 76 King Street West	Category B Listed	229181	682691	9.3	10	Regional	Listed building within Helensburgh. Localised semi-urban setting.	Medium (Localised)	Medium (localised)	Imperceptible: 10 turbines theoretically visible but on distant horizon at almost 10 km away. Localised setting within Helensburgh.	Negligible
34809	Helensburgh, 74 King Street West	Category B Listed	229191	682687	9.3	10	Regional	Listed building within Helensburgh. Localised semi-urban setting.	Medium (Localised)	Medium (localised)	Imperceptible: 10 turbines theoretically visible but on distant horizon at almost 10 km away. Localised setting within Helensburgh.	Negligible
34809	Helensburgh, 72 King Street West	Category B Listed	229201	682684	9.3	10	Regional	Listed building within Helensburgh. Localised semi-urban setting.	Medium (Localised)	Medium (localised)	Imperceptible: 10 turbines theoretically visible but on distant horizon at almost 10 km away. Localised setting within Helensburgh.	Negligible
34810	Helensburgh, 108 West King Street, Carisbrooke, Conservatory	Category B Listed	228911	682856	9.4	10	Regional	Listed building within Helensburgh. Localised semi-urban setting.	Medium (Localised)	Medium (localised)	Imperceptible: 10 turbines theoretically visible but on distant horizon at almost 10 km away. Localised setting within Helensburgh.	Negligible
34810	Helensburgh, 108 West King Street, Carisbrooke	Category B Listed	228895	682861	9.4	10	Regional	Listed building within Helensburgh. Localised semi-urban setting.	Medium (Localised)	Medium (localised)	Imperceptible: 10 turbines theoretically visible but on distant horizon at almost 10 km away. Localised setting within Helensburgh.	Negligible
34811	Helensburgh, Lomond Street, St Joseph's R.C. Church	Category B Listed	230061	682388	9.0	10	Regional	Listed building within Helensburgh. Localised semi-urban setting.	Medium (Localised)	Medium (localised)	Imperceptible: 10 turbines theoretically visible but on distant horizon at almost 10 km away. Localised setting within Helensburgh.	Negligible

Site ID	Site Name	Status	Easting	Northing	Distance to nearest Turbine (km)	No. Turbine tips visible	Heritage Importance	Setting	Contribution of setting	Sensitivity of Setting	Magnitude of Effect	Significance of Effect
34812	Helensburgh, 14 Millig Street	Category B Listed	229293	683190	9.8	10	Regional	Listed building within Helensburgh. Localised semi-urban setting.	Medium (Localised)	Medium (localised)	Imperceptible: 10 turbines theoretically visible but on distant horizon at almost 10 km away. Localised setting within Helensburgh.	Negligible
34812	Helensburgh, 45 Campbell Street	Category B Listed	229298	683198	9.8	10	Regional	Listed building within Helensburgh. Localised semi-urban setting.	Medium (Localised)	Medium (localised)	Imperceptible: 10 turbines theoretically visible but on distant horizon at almost 10 km away. Localised setting within Helensburgh.	Negligible
34813	Helensburgh, 18 Millig Street, Westermillig	Category B Listed	229190	683226	9.8	10	Regional	Listed building within Helensburgh. Localised semi-urban setting.	Medium (Localised)	Medium (localised)	Imperceptible: 10 turbines theoretically visible but on distant horizon at almost 10 km away. Localised setting within Helensburgh.	Negligible
34814	Helensburgh, 20 Millig Street, Woodend	Category B Listed	229019	683309	9.9	10	Regional	Listed building within Helensburgh. Localised semi-urban setting.	Medium (Localised)	Medium (localised)	Imperceptible: 10 turbines theoretically visible but on distant horizon at almost 10 km away. Localised setting within Helensburgh.	Negligible
34814	Helensburgh, 20 Millig Street, Woodend, Conservatory	Category B Listed	229034	683302	9.9	10	Regional	Listed building within Helensburgh. Localised semi-urban setting.	Medium (Localised)	Medium (localised)	Imperceptible: 10 turbines theoretically visible but on distant horizon at almost 10 km away. Localised setting within Helensburgh.	Negligible
34815	Helensburgh, 22 Millig Street	Category B Listed	228887	683314	9.9	10	Regional	Listed building within Helensburgh. Localised semi-urban setting.	Medium (Localised)	Medium (localised)	Imperceptible: 10 turbines theoretically visible but on distant horizon at almost 10 km away. Localised setting within Helensburgh.	Negligible
34819	Helensburgh, 31 Montrose Street East, Braeholm Maternity Hospital	Category B Listed	230678	682461	9.1	10	Regional	Listed building within Helensburgh. Localised semi-urban setting.	Medium (Localised)	Medium (localised)	Imperceptible: 10 turbines theoretically visible but on distant horizon at almost 10 km away. Localised setting within Helensburgh.	Negligible
34820	Helensburgh, 1 Montrose Street West, Dalfruin	Category B Listed	229484	682780	9.4	10	Regional	Listed building within Helensburgh. Localised semi-urban setting.	Medium (Localised)	Medium (localised)	Imperceptible: 10 turbines theoretically visible but on distant horizon at almost 10 km away. Localised setting within Helensburgh.	Negligible

Site ID	Site Name	Status	Easting	Northing	Distance to nearest Turbine (km)	No. Turbine tips visible	Heritage Importance	Setting	Contribution of setting	Sensitivity of Setting	Magnitude of Effect	Significance of Effect
34821	Helensburgh, Maclachlan Road, 6 Munro Drive East, Easterhill	Category B Listed	230125	683308	9.9	10	Regional	Listed building within Helensburgh. Localised semi-urban setting.	Medium (Localised)	Medium (localised)	Imperceptible: 10 turbines theoretically visible but on distant horizon at almost 10 km away. Localised setting within Helensburgh.	Negligible
34823	Helensburgh, 6 Munro Drive West, Strathmoyne	Category B Listed	229885	683379	10.0	10	Regional	Listed building within Helensburgh. Localised semi-urban setting.	Medium (Localised)	Medium (localised)	Imperceptible: 10 turbines theoretically visible but on distant horizon at almost 10 km away. Localised setting within Helensburgh.	Negligible
34824	Helensburgh, Cemetery	Category B Listed	230937	682110	8.8	10	Regional	Listed building within Helensburgh. Localised semi-urban setting.	Medium (Localised)	Medium (localised)	Imperceptible: 10 turbines theoretically visible but on distant horizon at over 8.5 km away. Localised setting within Helensburgh.	Negligible
34825	Helensburgh, 1 Princes Street East, Council Offices	Category B Listed	229683	682384	9.0	10	Regional	Listed building within Helensburgh. Localised semi-urban setting.	Medium (Localised)	Medium (localised)	Imperceptible: 10 turbines theoretically visible but on distant horizon at 9 km away. Localised setting within Helensburgh.	Negligible
34827	Helensburgh, 76 Princes Street East, Drill Hall	Category B Listed	229894	682258	8.9	10	Regional	Listed building within Helensburgh. Localised semi-urban setting.	Medium (Localised)	Medium (localised)	Imperceptible: 10 turbines theoretically visible but on distant horizon at almost 9 km away. Localised setting within Helensburgh.	Negligible
34828	Helensburgh, 150-152 Princes Street East, Giffnock, Lodge	Category B Listed	230391	682054	8.7	10	Regional	Listed building within Helensburgh. Localised semi-urban setting.	Medium (Localised)	Medium (localised)	Imperceptible: 10 turbines theoretically visible but on distant horizon at over 8.5 km away. Localised setting within Helensburgh.	Negligible
34828	Helensburgh, 150-152 Princes Street East, Giffnock	Category B Listed	230394	682066	8.7	10	Regional	Listed building within Helensburgh. Localised semi-urban setting.	Medium (Localised)	Medium (localised)	Imperceptible: 10 turbines theoretically visible but on distant horizon at over 8.5 km away. Localised setting within Helensburgh.	Negligible
34829	Helensburgh, Princes Street West, Congregational Church	Category B Listed	229457	682423	9.0	10	Regional	Listed building within Helensburgh. Localised semi-urban setting.	Medium (Localised)	Medium (localised)	Imperceptible: 10 turbines theoretically visible but on distant horizon at 9 km away. Localised setting within Helensburgh.	Negligible

Site ID	Site Name	Status	Easting	Northing	Distance to nearest Turbine (km)	No. Turbine tips visible	Heritage Importance	Setting	Contribution of setting	Sensitivity of Setting	Magnitude of Effect	Significance of Effect
34832	Helensburgh, 10 Princes Street West	Category B Listed	229633	682392	9.0	10	Regional	Listed building within Helensburgh. Localised semi-urban setting.	Medium (Localised)	Medium (localised)	Imperceptible: 10 turbines theoretically visible but on distant horizon at 9 km away. Localised setting within Helensburgh.	Negligible
34832	Helensburgh, 8 Princes Street West	Category B Listed	229639	682397	9.0	10	Regional	Listed building within Helensburgh. Localised semi-urban setting.	Medium (Localised)	Medium (localised)	Imperceptible: 10 turbines theoretically visible but on distant horizon at 9 km away. Localised setting within Helensburgh.	Negligible
34832	Helensburgh, 12 Princes Street West	Category B Listed	229630	682398	9.0	10	Regional	Listed building within Helensburgh. Localised semi-urban setting.	Medium (Localised)	Medium (localised)	Imperceptible: 10 turbines theoretically visible but on distant horizon at 9 km away. Localised setting within Helensburgh.	Negligible
34833	Helensburgh, 24-28 Princes Street West	Category B Listed	229604	682406	9.0	10	Regional	Listed building within Helensburgh. Localised semi-urban setting.	Medium (Localised)	Medium (localised)	Imperceptible: 10 turbines theoretically visible but on distant horizon at 9 km away. Localised setting within Helensburgh.	Negligible
34833	Helensburgh, 18 Princes Street West	Category B Listed	229620	682404	9.0	10	Regional	Listed building within Helensburgh. Localised semi-urban setting.	Medium (Localised)	Medium (localised)	Imperceptible: 10 turbines theoretically visible but on distant horizon at 9 km away. Localised setting within Helensburgh.	Negligible
34833	Helensburgh, 20, 22 Princes Street West	Category B Listed	229615	682404	9.0	10	Regional	Listed building within Helensburgh. Localised semi-urban setting.	Medium (Localised)	Medium (localised)	Imperceptible: 10 turbines theoretically visible but on distant horizon at 9 km away. Localised setting within Helensburgh.	Negligible
34833	Helensburgh, 14, 16 Princes Street West	Category B Listed	229627	682408	9.0	10	Regional	Listed building within Helensburgh. Localised semi-urban setting.	Medium (Localised)	Medium (localised)	Imperceptible: 10 turbines theoretically visible but on distant horizon at 9 km away. Localised setting within Helensburgh.	Negligible
34835	Helensburgh, 62, 64, 66 Princes Street West	Category B Listed	229470	682458	9.0	10	Regional	Listed building within Helensburgh. Localised semi-urban setting.	Medium (Localised)	Medium (localised)	Imperceptible: 10 turbines theoretically visible but on distant horizon at 9 km away. Localised setting within Helensburgh.	Negligible
34836	Helensburgh, 76 West Princes Street	Category B Listed	229443	682461	9.0	10	Regional	Listed building within Helensburgh. Localised semi-urban setting.	Medium (Localised)	Medium (localised)	Imperceptible: 10 turbines theoretically visible but on distant horizon at 9 km away. Localised setting within Helensburgh.	Negligible

Site ID	Site Name	Status	Easting	Northing	Distance to nearest Turbine (km)	No. Turbine tips visible	Heritage Importance	Setting	Contribution of setting	Sensitivity of Setting	Magnitude of Effect	Significance of Effect
34836	Helensburgh, 78 West Princes Street	Category B Listed	229443	682466	9.0	10	Regional	Listed building within Helensburgh. Localised semi-urban setting.	Medium (Localised)	Medium (localised)	Imperceptible: 10 turbines theoretically visible but on distant horizon at 9 km away. Localised setting within Helensburgh.	Negligible
34836	Helensburgh, 18 James Street	Category B Listed	229445	682473	9.0	10	Regional	Listed building within Helensburgh. Localised semi-urban setting.	Medium (Localised)	Medium (localised)	Imperceptible: 10 turbines theoretically visible but on distant horizon at 9 km away. Localised setting within Helensburgh.	Negligible
34837	Helensburgh, 150 Princes Street West, Rosebank	Category B Listed	229124	682615	9.2	10	Regional	Listed building within Helensburgh. Localised semi-urban setting.	Medium (Localised)	Medium (localised)	Imperceptible: 10 turbines theoretically visible but on distant horizon at over 9 km away. Localised setting within Helensburgh.	Negligible
34837	Helensburgh, 17-19 Campbell Street	Category B Listed	229128	682623	9.2	10	Regional	Listed building within Helensburgh. Localised semi-urban setting.	Medium (Localised)	Medium (localised)	Imperceptible: 10 turbines theoretically visible but on distant horizon at over 9 km away. Localised setting within Helensburgh.	Negligible
34838	Helensburgh, 186, 188 Princes Street West, Leewood	Category B Listed	228766	682721	9.3	10	Regional	Listed building within Helensburgh. Localised semi-urban setting.	Medium (Localised)	Medium (localised)	Imperceptible: 10 turbines theoretically visible but on distant horizon at over 9 km away. Localised setting within Helensburgh.	Negligible
34842	Helensburgh, 20 Queen Street, Ardvuela	Category B Listed	229517	683259	9.8	10	Regional	Listed building within Helensburgh. Localised semi-urban setting.	Medium (Localised)	Medium (localised)	Imperceptible: 10 turbines theoretically visible but on distant horizon at over 9.5 km away. Localised setting within Helensburgh.	Negligible
34845	Helensburgh, Redgauntlet Road, Drumfork	Category B Listed	231096	681896	8.7	10	Regional	Listed building within Helensburgh. Localised semi-urban setting.	Medium (Localised)	Medium (localised)	Imperceptible: 10 turbines theoretically visible but on distant horizon at over 8.5 km away. Localised setting within Helensburgh.	Negligible
34846	Helensburgh, Rhu Road Lower, Dalmore, Lodge	Category B Listed	227952	683314	10.0	10	Regional	Lodge associated with mid-19th century mansion. Localised setting to villa and Helensburgh.	Medium (Localised)	Medium (localised)	Imperceptible: 10 turbines theoretically visible but on distant horizon at 10 km away. Localised setting within Helensburgh.	Negligible

Site ID	Site Name	Status	Easting	Northing	Distance to nearest Turbine (km)	No. Turbine tips visible	Heritage Importance	Setting	Contribution of setting	Sensitivity of Setting	Magnitude of Effect	Significance of Effect
34848	Helensburgh, Rhu Road Lower, Cairndhu House, Lodge	Category B Listed	228467	682593	9.2	10	Regional	Lodge associated with mid-19th century villa. Localised setting to villa and Helensburgh.	Medium (Localised)	Medium (localised)	Imperceptible: 10 turbines theoretically visible but on distant horizon at over 9 km away. Localised setting within Helensburgh.	Negligible
34850	Helensburgh, Lower Rhu Road, Dalmore Lodge	Category B Listed	227986	683166	9.8	10	Regional	Lodge associated with mid-19th century mansion. Localised setting to villa and Helensburgh.	Medium (Localised)	Medium (localised)	Imperceptible: 10 turbines theoretically visible but on distant horizon at over 9.5 km away. Localised setting within Helensburgh.	Negligible
34852	Helensburgh, 1 Rowallan Street	Category B Listed	228912	683307	9.9	10	Regional	Listed building within Helensburgh. Localised semi-urban setting.	Medium (Localised)	Medium (localised)	Imperceptible: 10 turbines theoretically visible but on distant horizon at over 9.5 km away. Localised setting within Helensburgh.	Negligible
34853	Helensburgh, 3 Rowallan Street, West Gables	Category B Listed	228907	683358	9.9	10	Regional	Listed building within Helensburgh. Localised semi-urban setting.	Medium (Localised)	Medium (localised)	Imperceptible: 10 turbines theoretically visible but on distant horizon at over 9.5 km away. Localised setting within Helensburgh.	Negligible
34853	Helensburgh, 5 Rowallan Street, East Gables	Category B Listed	228920	683353	9.9	10	Regional	Listed building within Helensburgh. Localised semi-urban setting.	Medium (Localised)	Medium (localised)	Imperceptible: 10 turbines theoretically visible but on distant horizon at over 9.5 km away. Localised setting within Helensburgh.	Negligible
34856	Helensburgh, Sinclair Street, St Columba Church	Category B Listed	229678	682519	9.1	10	Regional	Listed building within Helensburgh. Localised semi-urban setting.	Medium (Localised)	Medium (localised)	Imperceptible: 10 turbines theoretically visible but on distant horizon at over 9 km away. Localised setting within Helensburgh.	Negligible
34858	Helensburgh, 101 Sinclair Street, Millfield	Category B Listed	229745	682781	9.4	10	Regional	Listed building within Helensburgh. Localised semi-urban setting.	Medium (Localised)	Medium (localised)	Imperceptible: 10 turbines theoretically visible but on distant horizon at over 9 km away. Localised setting within Helensburgh.	Negligible
34860	Helensburgh, 107 Sinclair Street, Thornton	Category B Listed	229806	682927	9.5	10	Regional	Listed building within Helensburgh. Localised semi-urban setting.	Medium (Localised)	Medium (localised)	Imperceptible: 10 turbines theoretically visible but on distant horizon at 9.5 km away. Localised setting within Helensburgh.	Negligible

Site ID	Site Name	Status	Easting	Northing	Distance to nearest Turbine (km)	No. Turbine tips visible	Heritage Importance	Setting	Contribution of setting	Sensitivity of Setting	Magnitude of Effect	Significance of Effect
34861	Helensburgh, 111 Sinclair Street, Tower House	Category B Listed	229842	683035	9.6	10	Regional	Listed building within Helensburgh. Localised semi-urban setting.	Medium (Localised)	Medium (localised)	Imperceptible: 10 turbines theoretically visible but on distant horizon at over 9.5 km away. Localised setting within Helensburgh.	Negligible
34861	Helensburgh, 109 Sinclair Street, Cawdor Lodge	Category B Listed	229831	683027	9.6	10	Regional	Listed building within Helensburgh. Localised semi-urban setting.	Medium (Localised)	Medium (localised)	Imperceptible: 10 turbines theoretically visible but on distant horizon at over 9.5 km away. Localised setting within Helensburgh.	Negligible
34862	Helensburgh, 113 Sinclair Street, Moorlands	Category B Listed	229906	683229	9.8	10	Regional	Listed building within Helensburgh. Localised semi-urban setting.	Medium (Localised)	Medium (localised)	Imperceptible: 10 turbines theoretically visible but on distant horizon at over 9.5 km away. Localised setting within Helensburgh.	Negligible
34869	Helensburgh, Sinclair Street, Victoria Halls	Category B Listed	229781	682670	9.3	10	Regional	Listed building within Helensburgh. Localised semi-urban setting.	Medium (Localised)	Medium (localised)	Imperceptible: 10 turbines theoretically visible but on distant horizon at over 9 km away. Localised setting within Helensburgh.	Negligible
34875	Helensburgh, 118 Sinclair Street, Redcliffe	Category B Listed	230012	683336	9.9	10	Regional	Listed building within Helensburgh. Localised semi-urban setting.	Medium (Localised)	Medium (localised)	Imperceptible: 10 turbines theoretically visible but on distant horizon at over 9.5 km away. Localised setting within Helensburgh.	Negligible
34875	Helensburgh, 118 Sinclair Street, Redcliffe, Conservatory	Category B Listed	230001	683346	10.0	10	Regional	Listed building within Helensburgh. Localised semi-urban setting.	Medium (Localised)	Medium (localised)	Imperceptible: 10 turbines theoretically visible but on distant horizon at 10 km away. Localised setting within Helensburgh.	Negligible
34881	Helensburgh, 25 Suffolk Street, Auchenteil	Category B Listed	229095	683278	10.0	10	Regional	Listed building within Helensburgh. Localised semi-urban setting.	Medium (Localised)	Medium (localised)	Imperceptible: 10 turbines theoretically visible but on distant horizon at 10 km away. Localised setting within Helensburgh.	Negligible
34883	Helensburgh, 26 Suffolk Street	Category B Listed	229051	682935	9.5	10	Regional	Listed building within Helensburgh. Localised semi-urban setting.	Medium (Localised)	Medium (localised)	Imperceptible: 10 turbines theoretically visible but on distant horizon at 9.5 km away. Localised setting within Helensburgh.	Negligible



Site ID	Site Name	Status	Easting	Northing	Distance to nearest Turbine (km)	No. Turbine tips visible	Heritage Importance	Setting	Contribution of setting	Sensitivity of Setting	Magnitude of Effect	Significance of Effect
34884	Helensburgh, 34, 36 Suffolk Street, Kintillo House And Gatepiers	Category B Listed	229116	683138	9.7	10	Regional	Listed building within Helensburgh. Localised semi-urban setting.	Medium (Localised)	Medium (localised)	Imperceptible: 10 turbines theoretically visible but on distant horizon at over 9.5 km away. Localised setting within Helensburgh.	Negligible
34887	Helensburgh, 1 Sutherland Crescent Upper, Rhuarden, Conservatory	Category B Listed	229025	683183	9.8	10	Regional	Listed building within Helensburgh. Localised semi-urban setting.	Medium (Localised)	Medium (localised)	Imperceptible: 10 turbines theoretically visible but on distant horizon at over 9.5 km away. Localised setting within Helensburgh.	Negligible
34887	Helensburgh, 1 Sutherland Crescent Upper, Rhuarden	Category B Listed	229039	683185	9.8	10	Regional	Listed building within Helensburgh. Localised semi-urban setting.	Medium (Localised)	Medium (localised)	Imperceptible: 10 turbines theoretically visible but on distant horizon at over 9.5 km away. Localised setting within Helensburgh.	Negligible
34890	Helensburgh, 2 Upper Sutherland Street, Terpersie	Category B Listed	229003	683196	9.8	10	Regional	Listed building within Helensburgh. Localised semi-urban setting.	Medium (Localised)	Medium (localised)	Imperceptible: 10 turbines theoretically visible but on distant horizon at over 9.5 km away. Localised setting within Helensburgh.	Negligible
34891	Helensburgh, 9, 11, 15 Victoria Road, The Lindens	Category B Listed	230053	682943	9.5	10	Regional	Listed building within Helensburgh. Localised semi-urban setting.	Medium (Localised)	Medium (localised)	Imperceptible: 10 turbines theoretically visible but on distant horizon at 9.5 km away. Localised setting within Helensburgh.	Negligible
34892	Helensburgh, 5 William Street	Category B Listed	229168	682464	9.0	10	Regional	Listed building within Helensburgh. Localised semi-urban setting.	Medium (Localised)	Medium (localised)	Imperceptible: 10 turbines theoretically visible but on distant horizon at over 9.5 km away. Localised setting within Helensburgh.	Negligible
34892	Helensburgh, 7 William Street	Category B Listed	229175	682483	9.0	10	Regional	Listed building within Helensburgh. Localised semi-urban setting.	Medium (Localised)	Medium (localised)	Imperceptible: 10 turbines theoretically visible but on distant horizon at <b>over 9.5</b> km away. Localised setting within Helensburgh.	Negligible
34892	Helensburgh, 5a William Street	Category B Listed	229171	682473	9.0	10	Regional	Listed building within Helensburgh. Localised semi-urban setting.	Medium (Localised)	Medium (localised)	Imperceptible: 10 turbines theoretically visible but on distant horizon at 9 km away. Localised setting within Helensburgh.	Negligible

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34894	Helensburgh, 25, 27 William Street	Category B Listed	229214	682581	9.2	10	Regional	Listed building within Helensburgh. Localised semi-urban setting.	Medium (Localised)	Medium (localised)	Imperceptible: 10 turbines theoretically visible but on distant horizon at over 9 km away. Localised setting within Helensburgh.	Negligible
34895	Helensburgh, 39 William Street	Category B Listed	229227	682624	9.2	10	Regional	Listed building within Helensburgh. Localised semi-urban setting.	Medium (Localised)	Medium (localised)	Imperceptible: 10 turbines theoretically visible but on distant horizon at over 9 km away. Localised setting within Helensburgh.	Negligible
34895	Helensburgh, 37 William Street	Category B Listed	229224	682619	9.2	10	Regional	Listed building within Helensburgh. Localised semi-urban setting.	Medium (Localised)	Medium (localised)	Imperceptible: 10 turbines theoretically visible but on distant horizon at over 9 km away. Localised setting within Helensburgh.	Negligible
34895	Helensburgh, 71 King Street West	Category B Listed	229230	682632	9.2	10	Regional	Listed building within Helensburgh. Localised semi-urban setting.	Medium (Localised)	Medium (localised)	Imperceptible: 10 turbines theoretically visible but on distant horizon at over 9 km away. Localised setting within Helensburgh.	Negligible
40070	Port Glasgow, Church Street, St Andrews Church	Category B Listed	232008	674520	2.7	1	Regional	Listed building in Port Glasgow. Localised semi-urban setting in Port Glasgow.	Medium (Localised)	Medium (localised)	Imperceptible: Only 1 turbine theoretically visible, in near-medium views at over 2.5 km away. Localised semi-urban setting.	Negligible
40076	Port Glasgow, 9 -11 King Street, King George Vi Club	Category B Listed	232132	674483	2.8	1	Regional	Listed building in Port Glasgow. Localised semi-urban setting in Port Glasgow.	Medium (Localised)	Medium (localised)	Imperceptible: Only 1 turbine theoretically visible, in near-medium views at over 2.5 km away. Localised semi-urban setting.	Negligible
40079	Port Glasgow, Old Greenock Road, Parkhill Farmhouse	Category B Listed	235497	673582	5.5	10	Regional	Farmhouse on edge of Port Glasgow. Localised semi-rural setting with some screening from mixed woodland.	Medium (Localised)	Medium (localised)	Imperceptible: 10 turbines theoretically visible but in medium-distant views at 5.5 km away. Localised semi-rural setting.	Negligible
40081	Port Glasgow, 49 Princes Street and 65 Church Street, Royal Bank Of Scotland	Category B Listed	232034	674517	2.7	1	Regional	Listed building in Port Glasgow. Localised semi-urban setting in Port Glasgow.	Medium (Localised)	Medium (localised)	Imperceptible: Only 1 turbine theoretically visible, in near-medium views at over 2.5 km away. Localised semi-urban setting.	Negligible

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40084	Port Glasgow, Harbour, West Quay	Category B Listed	232150	674790	3.0	5	Regional	Listed quay within Port Glasgow. Localised setting to waterfront and Port Glasgow.	Medium (Localised)	Medium (localised)	Imperceptible: only 5 turbines theoretically visible in medium views at 3 km away. Localised setting to harbour.	Negligible
40085	Port Glasgow, Leading Light on West Quay	Category B Listed	232044	674860	3.0	6	Regional	Listed quay within Port Glasgow. Localised setting to waterfront and Port Glasgow.	Medium (Localised)	Medium (localised)	Imperceptible: 6 turbines theoretically visible in medium views at 3 km away. Localised setting to harbour.	Negligible
40086	Port Glasgow, West Quay, Lighthouse	Category B Listed	232229	674866	3.1	5	Regional	Listed quay within Port Glasgow. Localised setting to waterfront and Port Glasgow.	Medium (Localised)	Medium (localised)	Imperceptible: only 5 turbines theoretically visible in medium views over 3 km away. Localised setting to harbour.	Negligible
42866	Kilcreggan, Aidenkyle Road, Aidenkyle House	Category B Listed	223077	680542	9.4	10	Regional	One of several listed buildings located in Kilcreggan along shore. Partially screened by garden trees, but good views out to south over Firth of Clyde. Localised setting to Kilcreggan	High (localised)	High (localised)	Imperceptible: 10 turbines theoretically visible but on distant horizon at over 9 km away. Localised setting to Kilcreggan shore.	Negligible
42866	Kilcreggan, Aidenkyle Road, Aidenkyle House, Greenhouse	Category B Listed	223094	680548	9.4	10	Regional	One of several listed buildings located in Kilcreggan along shore. Partially screened by garden trees, but good views out to south over Firth of Clyde. Localised setting to Kilcreggan	High (localised)	High (localised)	Imperceptible: 10 turbines theoretically visible but on distant horizon at over 9 km away. Localised setting to Kilcreggan shore.	Negligible
42898	Cardross, Brooks Road, Brooks House	Category B Listed	233247	678143	6.1	10	Regional	Late 18th century 2-storey house, refurbished, near shore. Largely screened by trees. Some social value due to architectural properties.	Medium (Localised)	Medium (localised)	Imperceptible: 10 turbines theoretically visible in distant views at over 6 km away. Views screened by trees. Localised setting to shore.	Negligible
42901	Cardross, Brooks Road, Moorepark House	Category B Listed	233317	678001	6.0	10	Regional	Late 19th century 2-storey villa, refurbished, located on slightly raised ground near shore. Largely screened by trees. . Some social value due to architectural properties.	Medium (Localised)	Medium (localised)	Imperceptible: 10 turbines theoretically visible in distant views at 6 km away. Views screened by trees. Localised setting to shore.	Negligible

Site ID	Site Name	Status	Easting	Northing	Distance to nearest Turbine (km)	No. Turbine tips visible	Heritage Importance	Setting	Contribution of setting	Sensitivity of Setting	Magnitude of Effect	Significance of Effect
42902	Cardross Park	Category B Listed	234540	677745	6.7	10	Regional	Mid-late 19th century 3-storey villa built on site of earlier house on slightly raised location. Trees partly screen views. Localised setting to Cardross conservation area. Some social value due to architectural properties.	Medium (Localised)	Medium (localised)	Imperceptible: 10 turbines theoretically visible in distant views at over 6.5 km away. Views screened by other buildings. Localised setting within Cardross Conservation Area.	Negligible
42902	Cardross Park, Gate and Gatepiers	Category B Listed	234627	677510	6.6	10	Regional	Associated with Cardross Park Villa. Very localised setting to villa	Medium (Localised)	Medium (localised)	Imperceptible: Very localised setting to Cardross Villa	Negligible
42902	Cardross Park, Walled Garden	Category B Listed	234544	677822	6.7	10	Regional	Garden associated with Cardross Park Villa. Localised setting to villa and Conservation Area.	Medium (Localised)	Medium (localised)	Imperceptible: 10 turbines theoretically visible in distant views at over 6.5 km away. Views screened by other buildings. Localised setting to Cardross park villa.	Negligible
42903/51992	Cardross Road, Cats Castle	Category B Listed	237237	675899	8.0	10	Regional	Late 19th century Scots Baronial House prominently located on rising ground on edge of Firth of Clyde. Some screening from trees. Semi-rural localised setting. Some social value due to architectural/historical properties.	Medium (Localised)	Medium (localised)	Imperceptible: 10 turbines theoretically visible, but in distant views at 8 km away. Some screening from trees.	Negligible
42906	Drumhead House, Stables	Category B Listed	233826	679245	7.3	10	Regional	Stables associated with Mid-19th century baronial house. Localised setting house.	Medium (Localised)	Medium (localised)	Imperceptible: 10 turbines theoretically visible, but views screened by garden. Localised setting to house.	Negligible
42906	Drumhead House	Category B Listed	233814	679224	7.3	10	Regional	Mid-19th century baronial house attached to earlier 18th century house located on slightly raised rural location. Garden trees and vegetation surround. Some social value due to architectural/historic properties.	Medium (Localised)	Medium (localised)	Imperceptible: 10 turbines theoretically from upper floors, but in distant views at over 7 km away. Screened by surrounding garden.	Negligible
42906	Drumhead House, Walled Garden	Category B Listed	233931	679259	7.4	10	Regional	Mid-19th century garden associated with house located on slightly raised rural location. Garden trees and vegetation surround.	Medium (Localised)	Medium (localised)	Imperceptible: 10 turbines theoretically visible, but in distant views at over 7 km away. Screened by garden vegetation.	Negligible

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42910	Cardross Golf Club, Club House	Category B Listed	234766	677444	6.7	10	Regional	Rare club house built in modern style dating to 1956. Localised setting within Cardross Conservation. Some social value due to architectural properties.	Medium (Localised)	Medium (localised)	Imperceptible: 10 turbines theoretically visible in distant views at over 6.7 km away. Views screened by other buildings. Localised setting within Cardross Conservation Area.	Negligible
42914	Cardross, Main Road, War Memorial	Category B Listed	234511	677598	6.6	10	Regional	1920's war memorial located within Cardross Conservation Area. Very localised setting and screened by surrounding buildings.	Medium (Localised)	Medium (localised)	Imperceptible: Very localised setting within Cardross Conservation Area	Negligible
42917	Cardross, Station Road, Parish Church	Category B Listed	234461	677539	6.5	10	Regional	Late 19th century church with 3-storey tower. Localised setting within Cardross Conservation Area. Some social value due to architectural properties	Medium (Localised)	Medium (localised)	Imperceptible: 10 turbines theoretically visible in distant views at 6.5 km away. Views screened by other buildings. Localised setting within Cardross Conservation Area.	Negligible
42919	Helensburgh, Redgauntlet Road, Drumfork	Category B Listed	231096	681896	8.7	10	Regional	Listed building within Helensburgh. Localised semi-urban setting.	Medium (Localised)	Medium (localised)	Imperceptible: 10 turbines theoretically visible but on distant horizon at over 8.5 km away. Localised setting within Helensburgh.	Negligible
42922	Renton, Kipperoch Road, Kipperoch Farm Steading, NE Range	Category B Listed	237349	677412	8.8	10	Regional	Early 19th century farmhouse in localised rural setting.	Medium (Localised)	Medium (localised)	Imperceptible: 10 turbines theoretically visible but on distant horizon at over 8.5 km away. Localised setting within Helensburgh.	Negligible
42922	Renton, Kipperoch Road, Kipperoch Farmhouse	Category B Listed	237353	677390	8.7	10	Regional	Early 19th century farmhouse in localised rural setting.	Medium (Localised)	Medium (localised)	Imperceptible: 10 turbines theoretically visible but on distant horizon at over 8.5 km away. Localised setting within Helensburgh.	Negligible
42922	Renton, Kipperoch Road, Kipperoch Farm Steading, SW Range	Category B Listed	237325	677390	8.7	10	Regional	Early 19th century farmhouse in localised rural setting.	Medium (Localised)	Medium (localised)	Imperceptible: 10 turbines theoretically visible but on distant horizon at over 8.5 km away. Localised setting within Helensburgh.	Negligible

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43389	Kilcreggan, Argyll Road, Kilcreggan House, Service Block	Category B Listed	224139	680701	8.9	10	Regional	One of several listed buildings located in Kilcreggan along shore. Partially screened by garden trees, but good views out to south over Firth of Clyde. Localised setting within Kilcreggan	High (localised)	High (localised)	Imperceptible: 10 turbines theoretically visible but on distant horizon at almost 9 km away. Localised setting to Kilcreggan shore.	Negligible
43389	Kilcreggan, Argyll Street, Kilcreggan House, Gate Piers, Boundary Walls and Railings	Category B Listed	224087	680609	8.8	10	Regional	One of several listed buildings located in Kilcreggan along shore. Partially screened by garden trees, but good views out to south over Firth of Clyde. Localised setting within Kilcreggan	High (localised)	High (localised)	Imperceptible: 10 turbines theoretically visible but on distant horizon at almost 9 km away. Localised setting to Kilcreggan shore.	Negligible
43389	Kilcreggan, Argyll Road, Kilcreggan House	Category B Listed	224125	680681	8.9	10	Regional	One of several listed buildings located in Kilcreggan along shore. Partially screened by garden trees, but good views out to south over Firth of Clyde. Localised setting within Kilcreggan	High (localised)	High (localised)	Imperceptible: 10 turbines theoretically visible but on distant horizon at almost 9 km away. Localised setting to Kilcreggan shore.	Negligible
43389	Kilcreggan, Argyll Road, Kilcreggan House, Garden Buildings	Category B Listed	224080	680690	8.9	10	Regional	One of several listed buildings located in Kilcreggan along shore. Partially screened by garden trees, but good views out to south over Firth of Clyde. Localised setting within Kilcreggan	High (localised)	High (localised)	Imperceptible: 10 turbines theoretically visible but on distant horizon at almost 9 km away. Localised setting to Kilcreggan shore.	Negligible
43390	Kilcreggan, Argyll Road, Kilcreggan Hotel	Category B Listed	223891	680571	8.9	10	Regional	One of several listed buildings located in Kilcreggan along shore. Partially screened by garden trees, but good views out to south over Firth of Clyde. Localised setting within Kilcreggan	High (localised)	High (localised)	Imperceptible: 10 turbines theoretically visible but on distant horizon at almost 9 km away. Localised setting to Kilcreggan shore.	Negligible
43391	Kilcreggan, Argyll Road, Woodburn	Category B Listed	224045	680539	8.8	10	Regional	One of several listed buildings located in Kilcreggan along shore. Partially screened by garden trees, but good views out to south over Firth of Clyde. Localised setting within Kilcreggan	High (localised)	High (localised)	Imperceptible: 10 turbines theoretically visible but on distant horizon at almost 9 km away. Localised setting to Kilcreggan shore.	Negligible

Site ID	Site Name	Status	Easting	Northing	Distance to nearest Turbine (km)	No. Turbine tips visible	Heritage Importance	Setting	Contribution of setting	Sensitivity of Setting	Magnitude of Effect	Significance of Effect
43395	Kilcreggan, Rosneath Road, Pier	Category B Listed	224174	680377	8.6	10	Regional	One of several listed buildings located in Kilcreggan along shore. Partially screened by garden trees, but good views out to south over Firth of Clyde. Localised setting within Kilcreggan	High (localised)	High (localised)	Imperceptible: 10 turbines theoretically visible but on distant horizon at over 8.5 km away. Localised setting to Kilcreggan shore.	Negligible
43395	Kilcreggan, Rosneath Road, Pier Office	Category B Listed	224159	680469	8.7	10	Regional	One of several listed buildings located in Kilcreggan along shore. Partially screened by garden trees, but good views out to south over Firth of Clyde. Localised setting within Kilcreggan	High (localised)	High (localised)	Imperceptible: 10 turbines theoretically visible but on distant horizon at almost 9 km away. Localised setting to Kilcreggan shore.	Negligible
43397	Kilcreggan, Rosneath Road, K6 Telephone Kiosk	Category B Listed	224174	680484	8.7	10	Regional	One of several listed buildings located in Kilcreggan along shore. Partially screened by garden trees, but good views out to south over Firth of Clyde. Localised setting within Kilcreggan	High (localised)	High (localised)	Imperceptible: 10 turbines theoretically visible but on distant horizon at almost 9 km away. Localised setting to Kilcreggan shore.	Negligible
43406	Kilcreggan, Rosneath Road, Ardsloy	Category B Listed	223579	680408	9.0	10	Regional	One of several listed buildings located in Kilcreggan along shore. Partially screened by garden trees, but good views out to south over Firth of Clyde. Localised setting within Kilcreggan	High (localised)	High (localised)	Imperceptible: 10 turbines theoretically visible but on distant horizon at almost 9 km away. Localised setting to Kilcreggan shore.	Negligible
43410	Cove and Kilcreggan, Auchendarroch	Category B Listed	223612	680416	9.0	10	Regional	One of several listed buildings located in Kilcreggan along shore. Partially screened by garden trees, but good views out to south over Firth of Clyde. Localised setting within Kilcreggan	High (localised)	High (localised)	Imperceptible: 10 turbines theoretically visible but on distant horizon at almost 9 km away. Localised setting to Kilcreggan shore.	Negligible
43432	Cove and Kilcreggan, Shore Road, Craigrownie Parish Church	Category B Listed	222487	680863	10.0	10	Regional	One of several listed buildings located in Kilcreggan along shore. Partially screened by garden trees, but good views out to south over Firth of Clyde. Localised setting within Kilcreggan	High (localised)	High (localised)	Imperceptible: 10 turbines theoretically visible but on distant horizon at 10 km away. Localised setting to Kilcreggan shore.	Negligible

Site ID	Site Name	Status	Easting	Northing	Distance to nearest Turbine (km)	No. Turbine tips visible	Heritage Importance	Setting	Contribution of setting	Sensitivity of Setting	Magnitude of Effect	Significance of Effect
43436	Cove and Kilcreggan, Rosneath Road, Dunvorleigh	Category B Listed	223791	680416	8.8	10	Regional	One of several listed buildings located in Kilcreggan along shore. Partially screened by garden trees, but good views out to south over Firth of Clyde. Localised setting within Kilcreggan	High (localised)	High (localised)	Imperceptible: 10 turbines theoretically visible but on distant horizon at almost 9 km away. Localised setting to Kilcreggan shore.	Negligible
43437	Kilcreggan, Shore Road, Ellerey	Category B Listed	223843	680426	8.8	10	Regional	One of several listed buildings located in Kilcreggan along shore. Partially screened by garden trees, but good views out to south over Firth of Clyde. Localised setting within Kilcreggan	High (localised)	High (localised)	Imperceptible: 10 turbines theoretically visible but on distant horizon at almost 9 km away. Localised setting to Kilcreggan shore.	Negligible
43444	Cove and Kilcreggan, Rosneath Road, Glenlea	Category B Listed	222765	680678	9.7	10	Regional	One of several listed buildings located in Kilcreggan along shore. Partially screened by garden trees, but good views out to south over Firth of Clyde. Localised setting within Kilcreggan	High (localised)	High (localised)	Imperceptible: 10 turbines theoretically visible but on distant horizon almost 10 km away. Localised setting to Kilcreggan shore.	Negligible
43446	Cove and Kilcreggan, Rosneath Road, Glentrae	Category B Listed	222745	680698	9.7	10	Regional	One of several listed buildings located in Kilcreggan along shore. Partially screened by garden trees, but good views out to south over Firth of Clyde. Localised setting within Kilcreggan	High (localised)	High (localised)	Imperceptible: 10 turbines theoretically visible but on distant horizon almost 10 km away. Localised setting to Kilcreggan shore.	Negligible
43450	Cove and Kilcreggan, Shore Road, Finnartmore	Category B Listed	222638	680757	9.8	10	Regional	One of several listed buildings located in Kilcreggan along shore. Partially screened by garden trees, but good views out to south over Firth of Clyde. Localised setting within Kilcreggan	High (localised)	High (localised)	Imperceptible: 10 turbines theoretically visible but on distant horizon almost 10 km away. Localised setting to Kilcreggan shore.	Negligible
43456	Cove and Kilcreggan, Rosneath Road, Lethington	Category B Listed	222705	680725	9.7	10	Regional	One of several listed buildings located in Kilcreggan along shore. Partially screened by garden trees, but good views out to south over Firth of Clyde. Localised setting within Kilcreggan	High (localised)	High (localised)	Imperceptible: 10 turbines theoretically visible but on distant horizon almost 10 km away. Localised setting to Kilcreggan shore.	Negligible



Site ID	Site Name	Status	Easting	Northing	Distance to nearest Turbine (km)	No. Turbine tips visible	Heritage Importance	Setting	Contribution of setting	Sensitivity of Setting	Magnitude of Effect	Significance of Effect
43462	Cove and Kilcreggan, Shore Road, Rockingham	Category B Listed	222541	680813	9.9	10	Regional	One of several listed buildings located in Kilcreggan along shore. Partially screened by garden trees, but good views out to south over Firth of Clyde. Localised setting within Kilcreggan	High (localised)	High (localised)	Imperceptible: 10 turbines theoretically visible but on distant horizon almost 10 km away. Localised setting to Kilcreggan shore.	Negligible
43468	Cove and Kilcreggan, Rosneath Road, Winton	Category B Listed	222724	680709	9.7	10	Regional	One of several listed buildings located in Kilcreggan along shore. Partially screened by garden trees, but good views out to south over Firth of Clyde. Localised setting within Kilcreggan	High (localised)	High (localised)	Imperceptible: 10 turbines theoretically visible but on distant horizon at over 9 km away. Localised setting to Kilcreggan shore.	Negligible
43873	Darleith House	Category B Listed	234522	680649	8.9	10	Regional	Early 16th century foundations with later additions and modifications, now ruinous. Located in rural location, largely surrounded by trees. Some social value due to architectural/historical properties.	Medium (Localised)	Medium (localised)	Imperceptible: 10 turbines theoretically visible, but in distant views at almost 9 km away. Views screened by trees and localised rural setting.	Negligible
43875	Darleith Church	Category B Listed	234683	680560	8.9	10	Regional	Early 16th century chapel, now ruinous. Located in rural location, largely surrounded by trees. Some social value due to architectural/historical properties.	Medium (Localised)	Medium (localised)	Imperceptible: 10 turbines theoretically visible, but in distant views at almost 9 km away. Views screened by trees and localised rural setting.	Negligible
43876	Darleith House, Stables, Central Range	Category B Listed	234347	680660	8.8	10	Regional	Associated with Darleith House. Localised setting to house and screened by trees.	Medium (Localised)	Medium (localised)	Imperceptible: 10 turbines theoretically visible, but in distant views at almost 9 km away. Views screened by trees and localised rural setting.	Negligible
43876	Darleith House, Stables, West Range	Category B Listed	234318	680664	8.8	10	Regional	Associated with Darleith House. Localised setting to house and screened by trees.	Medium (Localised)	Medium (localised)	Imperceptible: 10 turbines theoretically visible, but in distant views at almost 9 km away. Views screened by trees and localised rural setting.	Negligible
43876	Darleith House, Stables, East Range	Category B Listed	234372	680654	8.8	10	Regional	Associated with Darleith House. Localised setting to house and screened by trees.	Medium (Localised)	Medium (localised)	Imperceptible: 10 turbines theoretically visible, but in distant views at almost 9 km away. Views screened by trees and localised rural setting.	Negligible

Site ID	Site Name	Status	Easting	Northing	Distance to nearest Turbine (km)	No. Turbine tips visible	Heritage Importance	Setting	Contribution of setting	Sensitivity of Setting	Magnitude of Effect	Significance of Effect
43876	Darleith House, Stables, East Courtyard, South East Garage Range	Category B Listed	234364	680652	8.8	10	Regional	Associated with Darleith House. Localised setting to house and screened by trees.	Medium (Localised)	Medium (localised)	Imperceptible: 10 turbines theoretically visible, but in distant views at almost 9 km away. Views screened by trees and localised rural setting.	Negligible
43876	Darleith House, Stables, Walled Garden	Category B Listed	234341	680620	8.8	10	Regional	Associated with Darleith House. Localised setting to house and screened by trees.	Medium (Localised)	Medium (localised)	Imperceptible: 10 turbines theoretically visible, but in distant views at almost 9 km away. Views screened by trees and localised rural setting.	Negligible
43876	Darleith House, Stables, East Courtyard, South West Garage Range	Category B Listed	234332	680658	8.8	10	Regional	Associated with Darleith House. Localised setting to house and screened by trees.	Medium (Localised)	Medium (localised)	Imperceptible: 10 turbines theoretically visible, but in distant views at almost 9 km away. Views screened by trees and localised rural setting.	Negligible
45268	Helensburgh, Clyde Street East, Clyde Street School, West Lodge	Category B Listed	229850	682174	8.8	10	Regional	Listed building within Helensburgh. Localised semi-urban setting.	Medium (Localised)	Medium (localised)	Imperceptible: 10 turbines theoretically visible but on distant horizon at over 8.5 km away. Localised setting within Helensburgh.	Negligible
45268	Helensburgh, Clyde Street East, Clyde Street School	Category B Listed	229876	682162	8.8	10	Regional	Listed building within Helensburgh. Localised semi-urban setting.	Medium (Localised)	Medium (localised)	Imperceptible: 10 turbines theoretically visible but on distant horizon at over 8.5 km away. Localised setting within Helensburgh.	Negligible
45268	Helensburgh, Clyde Street East, Clyde Street School, East Lodge	Category B Listed	229902	682159	8.8	10	Regional	Listed building within Helensburgh. Localised semi-urban setting.	Medium (Localised)	Medium (localised)	Imperceptible: 10 turbines theoretically visible but on distant horizon at over 8.5 km away. Localised setting within Helensburgh.	Negligible
48538	Helensburgh, Princes Street East, Helensburgh Central Station, Platform and Canopy, South Side	Category B Listed	229766	682351	8.9	10	Regional	Listed building within Helensburgh. Localised semi-urban setting.	Medium (Localised)	Medium (localised)	Imperceptible: 10 turbines theoretically visible but on distant horizon at almost 9 km away. Localised setting within Helensburgh.	Negligible
48538	Helensburgh, Princes Street East, Helensburgh Central Station, Offices and	Category B Listed	229696	682379	9.0	10	Regional	Listed building within Helensburgh. Localised semi-urban setting.	Medium (Localised)	Medium (localised)	Imperceptible: 10 turbines theoretically visible but on distant horizon at almost 9 km away. Localised setting within Helensburgh.	Negligible

Site ID	Site Name	Status	Easting	Northing	Distance to nearest Turbine (km)	No. Turbine tips visible	Heritage Importance	Setting	Contribution of setting	Sensitivity of Setting	Magnitude of Effect	Significance of Effect
	Waiting Rooms											
48538	Helensburgh, Princes Street East, Helensburgh Central Station, Platform and Canopy, North Side	Category B Listed	229767	682366	9.0	10	Regional	Listed building within Helensburgh. Localised semi-urban setting.	Medium (Localised)	Medium (localised)	Imperceptible: 10 turbines theoretically visible but on distant horizon at almost 9 km away. Localised setting within Helensburgh.	Negligible
48538	Helensburgh, Princes Street East, Helensburgh Central Station, Gateway	Category B Listed	229718	682359	8.9	10	Regional	Listed building within Helensburgh. Localised semi-urban setting.	Medium (Localised)	Medium (localised)	Imperceptible: 10 turbines theoretically visible but on distant horizon at almost 9 km away. Localised setting within Helensburgh.	Negligible
48538	Helensburgh, Princes Street East, Helensburgh Central Station, Concourse Roof and Platform Screen Walls	Category B Listed	229704	682383	9.0	10	Regional	Listed building within Helensburgh. Localised semi-urban setting.	Medium (Localised)	Medium (localised)	Imperceptible: 10 turbines theoretically visible but on distant horizon at 9 km away. Localised setting within Helensburgh.	Negligible
48940	Quarriers Village, Church Road, Mount Zion Church	Category B Listed	236290	667033	8.2	9	Regional	Late 19th century church forming focal point of Quarriers Village, located within Quarriers Village Conservation Area. Localised semi-rural setting.	High (localised)	High (localised)	Imperceptible: 9 turbines theoretically visible, but in medium distant views at over 8 km away. Largely screened by other buildings in Conservation Area. Localised semi-rural setting.	Negligible
50020	Knockbuckle Road, Boundary Wall	Category B Listed	235266	669719	5.8	10	Regional	Boundary walls associated with house. Very localised setting to house.	Medium (Localised)	Medium (localised)	Imperceptible-None: 10 turbines theoretically visible but in distant views at almost 6 km away. Very localised setting.	Negligible
50020	Knockbuckle Road, Shallott, St Columba's Junior School	Category B Listed	235313	669728	5.8	10	Regional	School located within Kilmacolm. Localised semi-urban setting within Kilmacolm.	Medium (Localised)	Medium (localised)	Imperceptible: 10 turbines theoretically visible but on distant horizon at almost 6 km away. Localised setting within Kilmacolm.	Negligible

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50122	King's Way, Dalreoch Primary School	Category B Listed	238478	676337	9.3	10	Regional	Post-war school with murals by Sir David Donaldson, located in elevated position with views out to the Clyde. Localised semi-urban setting in Dumbarton.	Medium (localised)	Medium (localised)	Imperceptible: 10 turbines theoretically visible but in distant views at over 9 km away. Localised semi-urban setting.	Negligible
34076	Greenock, 2 Ardgowan Square	Category C Listed	227302	676715	3.8	7	Local	Listed building within Greenock on shore of Firth of Clyde. Localised semi-urban setting.	Medium (Localised)	Low (localised)	Imperceptible: 7 turbines theoretically visible in medium distant views at almost 4 km away. Localised semi-urban setting.	Negligible
34077	Greenock, 3-4 Ardgowan Square	Category C Listed	227293	676726	3.9	7	Local	Listed building within Greenock on shore of Firth of Clyde. Localised semi-urban setting.	Medium (Localised)	Low (localised)	Imperceptible: 7 turbines theoretically visible in medium distant views at almost 4 km away. Localised semi-urban setting.	Negligible
34079	Greenock, 9 Ardgowan Square	Category C Listed	227194	676732	3.9	7	Local	Listed building within Greenock on shore of Firth of Clyde. Localised semi-urban setting.	Medium (Localised)	Low (localised)	Imperceptible: 7 turbines theoretically visible in medium distant views at almost 4 km away. Localised semi-urban setting.	Negligible
34081	Greenock, 19-21 Ardgowan Square	Category C Listed	227177	676624	3.8	7	Local	Listed building within Greenock on shore of Firth of Clyde. Localised semi-urban setting.	Medium (Localised)	Low (localised)	Imperceptible: 7 turbines theoretically visible in medium distant views at almost 4 km away. Localised semi-urban setting.	Negligible
34084	Greenock, 29 Ardgowan Square	Category C Listed	227272	676598	3.8	7	Local	Listed building within Greenock on shore of Firth of Clyde. Localised semi-urban setting.	Medium (Localised)	Low (localised)	Imperceptible: 7 turbines theoretically visible in medium distant views at almost 4 km away. Localised semi-urban setting.	Negligible
34085	Greenock, 30 Ardgowan Square	Category C Listed	227283	676609	3.8	7	Local	Listed building within Greenock on shore of Firth of Clyde. Localised semi-urban setting.	Medium (Localised)	Low (localised)	Imperceptible: 7 turbines theoretically visible in medium distant views at almost 4 km away. Localised semi-urban setting.	Negligible
34087	Greenock, 32 Ardgowan Square	Category C Listed	227320	676642	3.8	7	Local	Listed building within Greenock on shore of Firth of Clyde. Localised semi-urban setting.	Medium (Localised)	Low (localised)	Imperceptible: 7 turbines theoretically visible in medium distant views at almost 4 km away. Localised semi-urban setting.	Negligible

Site ID	Site Name	Status	Easting	Northing	Distance to nearest Turbine (km)	No. Turbine tips visible	Heritage Importance	Setting	Contribution of setting	Sensitivity of Setting	Magnitude of Effect	Significance of Effect
34107	Greenock, 84 Eldon Street, Madeira Lodge	Category C Listed	226749	677561	4.9	9	Local	Listed building within Greenock on shore of Firth of Clyde. Localised semi-urban setting.	Medium (Localised)	Low (localised)	Imperceptible: 9 turbines theoretically visible and in medium distant views at almost 5 km away. Localised semi-urban setting.	Negligible
34113	Greenock, Argyle Street, George Square Baptist Church	Category C Listed	227545	676495	3.5	7	Local	Listed building within Greenock on shore of Firth of Clyde. Localised semi-urban setting.	Medium (Localised)	Low (localised)	Imperceptible: 7 turbines theoretically visible in medium views at 3.5 km away. Localised semi-urban setting.	Negligible
34114	Greenock, 5 George Square	Category C Listed	227514	676530	3.6	7	Local	Listed building within Greenock on shore of Firth of Clyde. Localised semi-urban setting.	Medium (Localised)	Low (localised)	Imperceptible: 7 turbines theoretically visible in medium views at over 3.5 km away. Localised semi-urban setting.	Negligible
34115	Greenock, 6 George Square	Category C Listed	227500	676520	3.6	7	Local	Listed building within Greenock on shore of Firth of Clyde. Localised semi-urban setting.	Medium (Localised)	Low (localised)	Imperceptible: 7 turbines theoretically visible in medium views at over 3.5 km away. Localised semi-urban setting.	Negligible
34119	Greenock, Greenock Cemetery, Highland Mary Statue	Category C Listed	226452	676293	3.9	8	Local	Listed building within Greenock on shore of Firth of Clyde. Localised semi-urban setting.	Medium (Localised)	Low (localised)	Imperceptible: 8 turbines theoretically visible but in medium distant views at almost 4 km away. Localised semi-urban setting.	Negligible
34123	Greenock, Inverkip Street, Burial-Ground	Category C Listed	227393	676136	3.3	7	Local	Listed building within Greenock on shore of Firth of Clyde. Localised semi-urban setting.	Medium (Localised)	Low (localised)	Imperceptible: 7 turbines theoretically visible in medium views at over 3 km away. Localised semi-urban setting.	Negligible
34138	Greenock, 16 Newark Street, Madeira Lodge	Category C Listed	226726	677342	4.7	9	Local	Listed building within Greenock on shore of Firth of Clyde. Localised semi-urban setting.	Medium (Localised)	Low (localised)	Imperceptible: 9 turbines theoretically visible but in medium-distant views at over 4.5 km away. Localised semi-urban setting.	Negligible
34149	Greenock, 21 Union Street	Category C Listed	227206	676767	3.9	7	Local	Listed building within Greenock on shore of Firth of Clyde. Localised semi-urban setting.	Medium (Localised)	Low (localised)	Imperceptible: 7 turbines theoretically visible but in medium distant views at almost 4 km away. Localised semi-urban setting.	Negligible
34150	Greenock, 27 Union Street	Category C Listed	227167	676809	4.0	7	Local	Listed building within Greenock on shore of Firth of Clyde. Localised semi-urban setting.	Medium (Localised)	Low (localised)	Imperceptible: 7 turbines theoretically visible but in medium-distant views at 4 km away. Localised semi-urban setting.	Negligible

Site ID	Site Name	Status	Easting	Northing	Distance to nearest Turbine (km)	No. Turbine tips visible	Heritage Importance	Setting	Contribution of setting	Sensitivity of Setting	Magnitude of Effect	Significance of Effect
34151	Greenock, 29 Union Street	Category C Listed	227153	676825	4.0	7	Local	Listed building within Greenock on shore of Firth of Clyde. Localised semi-urban setting.	Medium (Localised)	Low (localised)	Imperceptible: 7 turbines theoretically visible but in medium-distant views at 4 km away. Localised semi-urban setting.	Negligible
34154	Greenock, 12 Union Street	Category C Listed	227406	676597	3.7	7	Local	Listed building within Greenock on shore of Firth of Clyde. Localised semi-urban setting.	Medium (Localised)	Low (localised)	Imperceptible: 7 turbines theoretically visible but in medium-distant views at over 3.5 km away. Localised semi-urban setting.	Negligible
34155	Greenock, 14 Union Street	Category C Listed	227397	676608	3.7	7	Local	Listed building within Greenock on shore of Firth of Clyde. Localised semi-urban setting.	Medium (Localised)	Low (localised)	Imperceptible: 7 turbines theoretically visible but in medium-distant views at over 3.5 km away. Localised semi-urban setting.	Negligible
34156	Greenock, 16 Union Street	Category C Listed	227376	676627	3.7	7	Local	Listed building within Greenock on shore of Firth of Clyde. Localised semi-urban setting.	Medium (Localised)	Low (localised)	Imperceptible: 7 turbines theoretically visible but in medium-distant views at over 3.5 km away. Localised semi-urban setting.	Negligible
34157	Greenock, 20 Union Street	Category C Listed	227358	676649	3.8	7	Local	Listed building within Greenock on shore of Firth of Clyde. Localised semi-urban setting.	Medium (Localised)	Low (localised)	Imperceptible: 7 turbines theoretically visible but in medium distant views at almost 4 km away. Localised semi-urban setting.	Negligible
34158	Greenock, 22 Union Street	Category C Listed	227346	676662	3.8	7	Local	Listed building within Greenock on shore of Firth of Clyde. Localised semi-urban setting.	Medium (Localised)	Low (localised)	Imperceptible: 7 turbines theoretically visible but in medium distant views at almost 4 km away. Localised semi-urban setting.	Negligible
34159	Greenock, 36 Union Street	Category C Listed	227168	676876	4.1	7	Local	Listed building within Greenock on shore of Firth of Clyde. Localised semi-urban setting.	Medium (Localised)	Low (localised)	Imperceptible: 7 turbines theoretically visible but in medium-distant views at over 4 km away. Localised semi-urban setting.	Negligible
34159	Greenock, 34 Union Street	Category C Listed	227173	676868	4.0	7	Local	Listed building within Greenock on shore of Firth of Clyde. Localised semi-urban setting.	Medium (Localised)	Low (localised)	Imperceptible: 7 turbines theoretically visible but in medium-distant views at 4 km away. Localised semi-urban setting.	Negligible

Site ID	Site Name	Status	Easting	Northing	Distance to nearest Turbine (km)	No. Turbine tips visible	Heritage Importance	Setting	Contribution of setting	Sensitivity of Setting	Magnitude of Effect	Significance of Effect
34160	Greenock, 40 Union Street	Category C Listed	227148	676886	4.1	7	Local	Listed building within Greenock on shore of Firth of Clyde. Localised semi-urban setting.	Medium (Localised)	Low (localised)	Imperceptible: 7 turbines theoretically visible but in medium-distant views at over 4 km away. Localised semi-urban setting.	Negligible
34160	Greenock, 38 Union Street	Category C Listed	227157	676887	4.1	7	Local	Listed building within Greenock on shore of Firth of Clyde. Localised semi-urban setting.	Medium (Localised)	Low (localised)	Imperceptible: 7 turbines theoretically visible but in medium-distant views at over 4 km away. Localised semi-urban setting.	Negligible
34165	Greenock, Regent Street, Well Park, Wall and Gateway	Category C Listed	227997	675918	2.8	7	Local	Listed building within Greenock on shore of Firth of Clyde. Localised semi-urban setting.	Medium (Localised)	Low (localised)	Imperceptible: 7 turbines theoretically visible in medium views at almost 3 km away. Localised semi-urban setting.	Negligible
34176	Greenock, Custom House Quay	Category C Listed	228405	676180	2.9	6	Local	Listed building within Greenock on shore of Firth of Clyde. Localised semi-urban setting.	Medium (Localised)	Low (localised)	Imperceptible: 7 turbines theoretically visible in medium views at almost 3 km away. Localised semi-urban setting.	Negligible
40087	Port Glasgow, West Quay, Warehouses	Category C Listed	232150	674760	2.3	4	Local	Listed building within Port Glasgow on shore of Firth of Clyde. Localised semi-urban setting.	Medium (Localised)	Low (localised)	Imperceptible: Only 4 turbines theoretically visible in views at over 2 km away. Localised semi-urban setting.	Negligible
50050	22b, 22c and 22d Esplanade and 90 Eldon Street, Firth House	Category C Listed	226718	677601	4.9	9	Local	Listed building within Greenock on shore of Firth of Clyde. Localised semi-urban setting.	Medium (Localised)	Low (localised)	Imperceptible: 9 turbines theoretically visible but in medium-distant views at almost 5 km away. Localised semi-urban setting.	Negligible
50050	22b, 22c and 22d Esplanade and 90 Eldon Street, Boundary Walls	Category C Listed	226736	677609	4.9	9	Local	Listed building within Greenock on shore of Firth of Clyde. Localised semi-urban setting.	Medium (Localised)	Low (localised)	Imperceptible: 9 turbines theoretically visible but in medium-distant views at almost 5 km away. Localised semi-urban setting.	Negligible

Site ID	Site Name	Status	Easting	Northing	Distance to nearest Turbine (km)	No. Turbine tips visible	Heritage Importance	Setting	Contribution of setting	Sensitivity of Setting	Magnitude of Effect	Significance of Effect
	Duchal House	GDL	235172	668153	6.6	10	National	Formal late 17th century/early 18th century designed landscape with later overlays lying in a loop at the confluence of the Green and Gryfe Waters. Main views within GDL are along the avenue and approach to Duchal House to the south-east. Good views out of GDL to south-west across Duchal Moor, and the GDL is visible as a landscape feature from the surrounding landscape, particularly when looking from the A761 to the north-east, and from the Craigends bridge road to the south-east. High social value and experiential value due to architectural/historical properties and landscape setting.	High	High	Imperceptible: 10 turbines theoretically visible, but in distant views at over 6.5 km away. Majority of GDL has no intervisibility, including from Duchal House and approach to house. No affect on main views out of GDL to south-west, or on views of GDL from north-east. Site potentially visible in distant views when viewing GDL from public road to south-east.	Negligible (LVIA VP 27, Figure 6.52)
	Finlaystone House	GDL	236327	673591	6.4	10	National	GDL of 18th and 19th century date located on southern banks of Firth of Clyde located in wider agricultural and semi-urban landscape. Largely covered by mixed woodland. Main views are along and across the Clyde, particularly from terraced garden, and along the east and south drives approaching Finlaystone House, located on a cliff. Has high significance as a landscape feature in surrounding area. High social value and experiential value due to architectural/historical properties and landscape setting.	High	High	Imperceptible: 10 turbines theoretically visible but in distant views at over 6 km away. Site visible in distant views behind GDL when looking from north (LVIA VP 2). Limited visibility from within GDL, including approaches to house. Only 6 turbine tips visible from house (Figure 10.12). No affect on main views from GDL out onto Firth of Clyde.	Negligible (Figure 9.12)



Site ID	Site Name	Status	Easting	Northing	Distance to nearest Turbine (km)	No. Turbine tips visible	Heritage Importance	Setting	Contribution of setting	Sensitivity of Setting	Magnitude of Effect	Significance of Effect
	Rosneath	GDL	226925	681566	8.5	10	National	Much degraded remains of 19th century designed landscape associated with Italian style ducal palace (now demolished). Located in prominent position at end of peninsula at Gareloch and largely boarded by tree planting, screening views out, although would have good views to north, east and south. Retains some interest in local landscape, and is visible from Gareloch and Helensburgh in particular, and from the sea. Some social value due to historical properties and local landscape interest.	High	High	Imperceptible: LVIA VP 5 (from Helensburgh) shows all 10 turbines would be visible, but in distant views at 8.5 km away. Views out largely screened by trees. Views of GDL and site from wider landscape would largely be from north-west of Helensburgh, beyond 10 km.	Negligible
	Cardross	Conservation Area	234847	677389	6.7	10	Regional	Conservation Area in semi-urban environment of Cardross but with localised rural landscape setting to shore of Firth of Clyde. Provides setting for several Listed Buildings in Cardross. Open views along shore, and from higher ground in northern part of area. Main road through runs north-west to south-east and views within largely screened by buildings. Some social value due to architectural/historical/ tourism properties.	Medium (Localised)	Medium (Localised)	Low: 10 turbines theoretically visible but in distant views at almost 7 km away. Views out screened by north-west to south-east alignment of road, although visibility from shore.	Minor
	Cove and Kilcreggan	Conservation Area	222268	682103	11.1	10	Regional	Conservation Area with localised setting to shore of Firth of Clyde. Largely outwith ZTV.	High (localised)	High (localised)	Imperceptible: largely outwith ZTV.	Negligible
	Greenock West End	Conservation Area	226742	677262	4.6	9	Regional	Large Conservation Area within semi-urban landscape setting of Greenock, with Firth of Clyde shore forming boundary of area to north. Provides setting for large area of Listed Buildings. Views out partly screened by buildings, other than along north-facing shore of Clyde. Some social value due to architectural/historical properties.	Medium (localised)	Medium (Localised)	Low: 9 turbines theoretically visible in medium-distant views at almost 5 km away. LVIA VP's (8 and 20) show turbines visible behind Greenock from some locations, but localised setting of Conservation Area.	Minor
	Hill House, Helensburgh	Conservation Area	230027	683610	10.2	10	Regional	Small Conservation Area within wider semi-urban landscape setting of Helensburgh, with rural land to north. Views out screened by buildings.	Medium (Localised)	Medium (Localised)	Imperceptible: 10 turbines theoretically visible, but in distant views at 10 km away.	Negligible
	Kilmacolm	Conservation	236313	669341	6.9	10	Regional	Conservation Area in semi-urban	Medium	Medium	Imperceptible: 10 turbines	Negligible

Site ID	Site Name	Status	Easting	Northing	Distance to nearest Turbine (km)	No. Turbine tips visible	Heritage Importance	Setting	Contribution of setting	Sensitivity of Setting	Magnitude of Effect	Significance of Effect
		Area						environment but within wider rural landscape setting. Provides setting for several Listed Buildings in Kilmacolm village. Main route through village is north-south. Long distance views out partly screened by local topography and belts of mixed woodland. High social value due to architectural/historical/tourism properties.	(Localised)	(Localised)	theoretically visible but in distant views at almost 7 km away. Views out screened by roughly north-south alignment of village and local topography/woodland (see LVIA VP 13)	
	Kirktonhill	Conservation Area	238895	675047	9.2	10	Regional	Conservation Area in semi-urban environment of Dumbarton but with localised landscape setting to shore of Firth of Clyde. Provides setting for several Listed Buildings in Kirktonhill. Open views along shore, particularly south-west corner, views within largely screened from north, east and west facing buildings. Some social value due to architectural/historical/tourism properties.	Medium (localised)	Medium (localised)	Imperceptible: 10 turbines theoretically visible but in distant views at over 9 km away. Views largely screened from within Conservation Area.	Negligible
	Quarriers Village	Conservation Area	236356	666963	8.3	10	Regional	Conservation Area located in fairly open rural location in Gryffe valley along banks of Gotter Water. Provides setting for several Listed Buildings of varying styles. English Village-style layout and characteristics. Long views through village, but views out largely screened by trees and Listed Buildings. High social value due to architectural/historical/tourism properties.	High (Localised)	High (Localised)	Imperceptible: 10 turbines theoretically visible when looking out from more open areas on northern edge of Conservation Area, but in distant views.	Negligible
	Upper Helensburgh	Conservation Area	229800	683030	9.6	10	Regional	Large Conservation Area within wider semi-urban landscape setting of Helensburgh, with Firth of Clyde shore to south. Provides setting for large area of Listed Buildings. Views out screened by buildings. Some social value due to architectural/historical properties.	High (localised)	High (Localised)	Imperceptible: 10 turbines theoretically visible, but in distant views at over 9.5 km away.	Negligible
	William Street	Conservation Area	228002	676161	3.0	7	Regional	Small Conservation Area within semi-urban setting of Greenock, along north-facing shore of Firth of Clyde. Provides setting for several Listed Buildings.	Medium (localised)	Medium (localised)	Imperceptible: 7 turbines theoretically visible in medium views, but largely screened by other buildings.	Negligible

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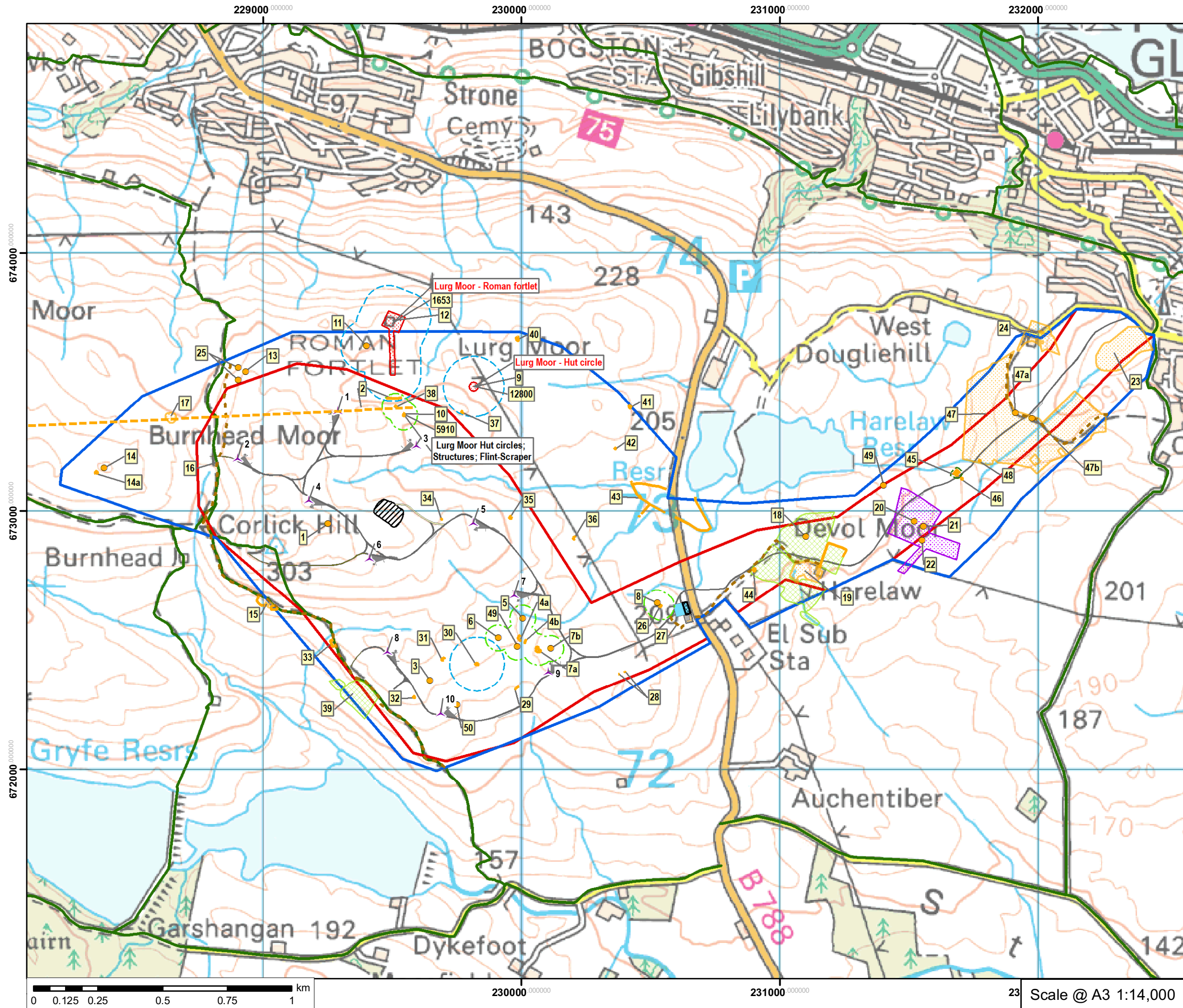
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- Site Boundary
- Initial Site Study Area
- ▲ Turbines
- Borrow Pit Area
- Turbine Installation Area
- Temp Borrow Pit Track
- Link Track
- Substation / Control Building
- Passing Places
- Hardstanding
- Core Paths
- Access Track
- Permanent car parking
- Temporary Construction Compound
- SMR Event Area
- Scheduled Monument
- 100 m Buffer
- 50 m Buffer
- 10 m Buffer
- Cultural Heritage Site (area)
- Cultural Heritage Site (linear)
- Paths / Tracks
- Roman Road (SMR)
- Cultural Heritage Site (point)
- Rig and Furrow



Title: Figure 9.1 Cultural Heritage Constraints

Inverclyde Wind Farm Environmental Statement

Applicant: Inverclyde Renewables LLP

Date: May 2013

Drawn by: SW Issue: A



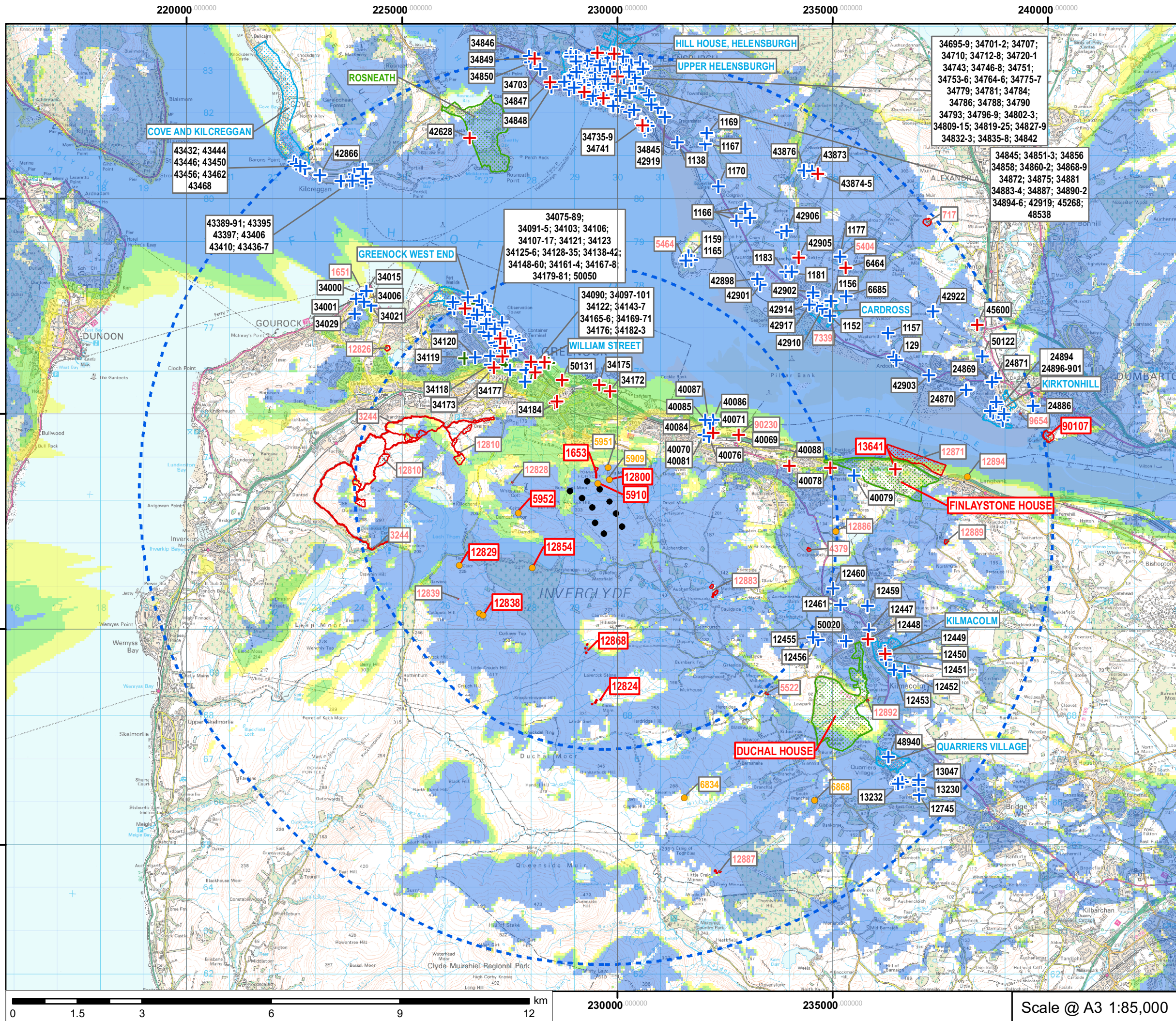
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- Turbine Location
  - ⊕ 5km and 10km Buffer
  - ▨ Scheduled Monument
  - ⊕ Listed Building Category A
  - ⊕ Listed Building Category B
  - ⊕ Listed Building Category C
  - NSR Site
  - ▨ Conservation Area
  - ▨ Garden and Designed Landscape
- No. of Turbines Visible**
- 1 - 3
  - 5 - 6
  - 7 - 10
- 5910 Sites required to be assessed by Historic Scotland / WOSAS, and discussed in chapter

Title: Figure 9.2 Cultural Heritage: External Receptors and ZTV

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Drawn by: SW Issue: A

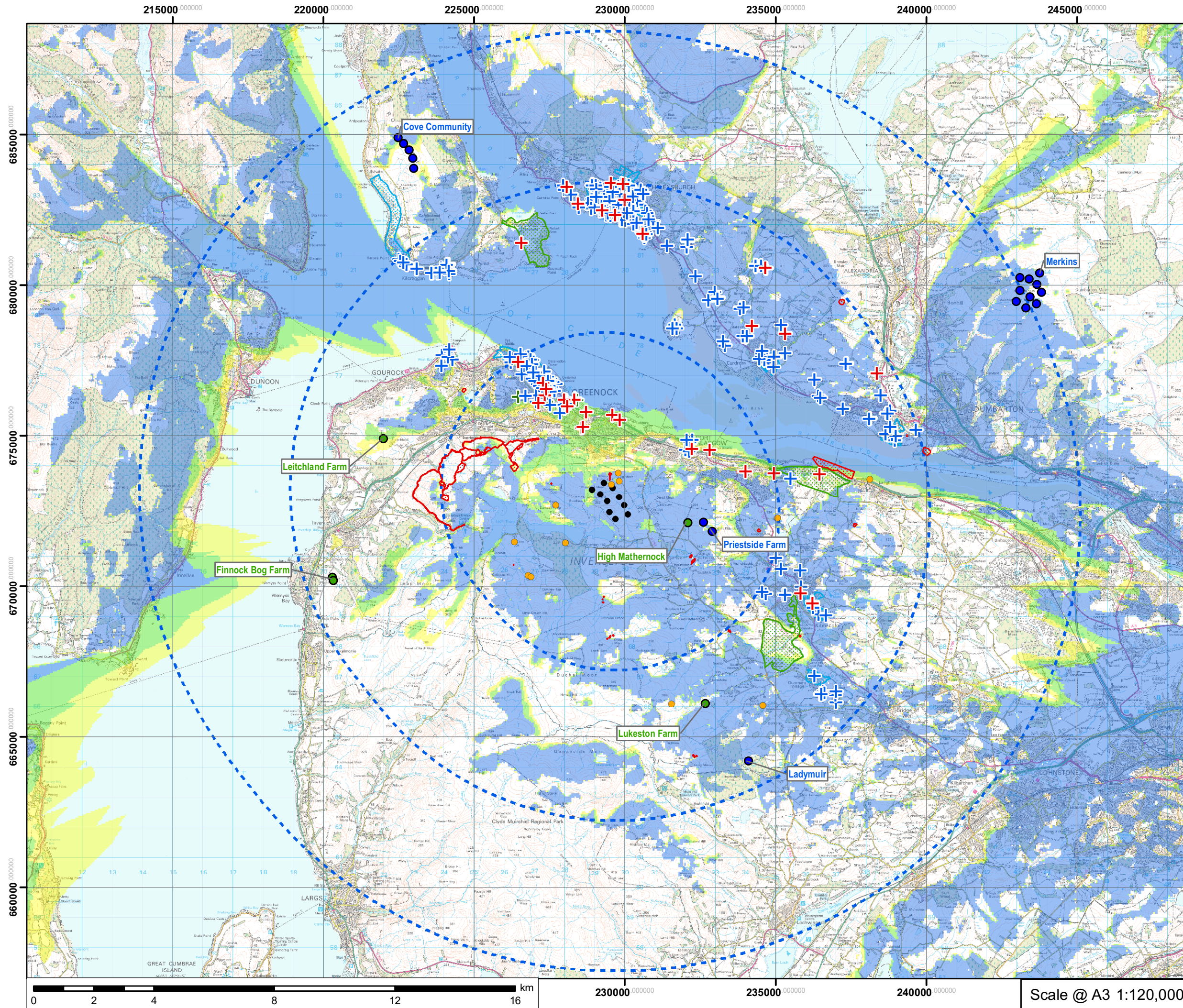


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- Turbine Location
  - 5km, 10km and 15km Buffer
  - ▨ Scheduled Monument
  - ✚ Listed Building Category A
  - ✚ Listed Building Category B
  - ✚ Listed Building Category C
  - NSR Site
  - ▨ Conservation Area
  - ▨ Garden and Designed Landscape
- No. of Turbines Visible**
- 1 - 3
  - 5 - 6
  - 7 - 10
- Additional Wind Farms**
- Application
  - Consented



Title: Figure 9.3 External Receptors and ZTV within 10km and cumulative developments within 15km

Inverclyde Wind Farm  
Environmental Statement

Applicant: Inverclyde Renewables LLP

Date: May 2013

Drawn by: SW      Issue: A



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