

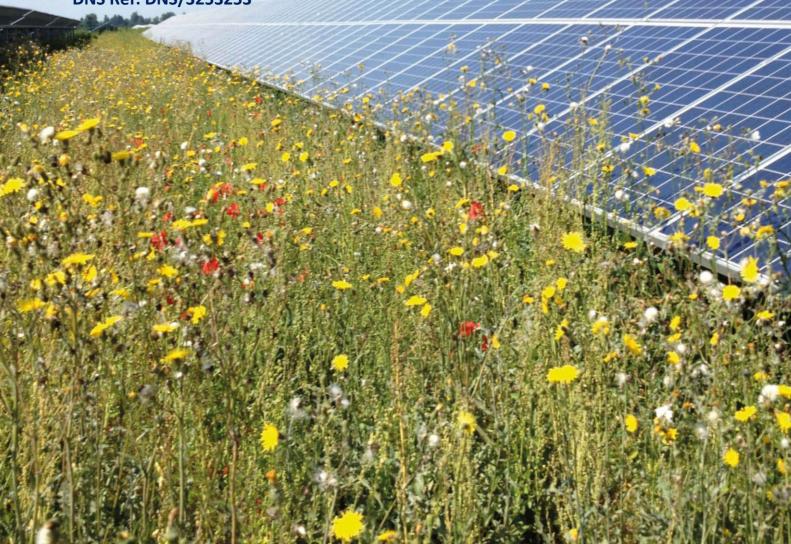
Plas Power Solar and Energy Storage Project

4.3 Environmental Statement Volume 3: Appendices

Part 9 of 14

February 2024

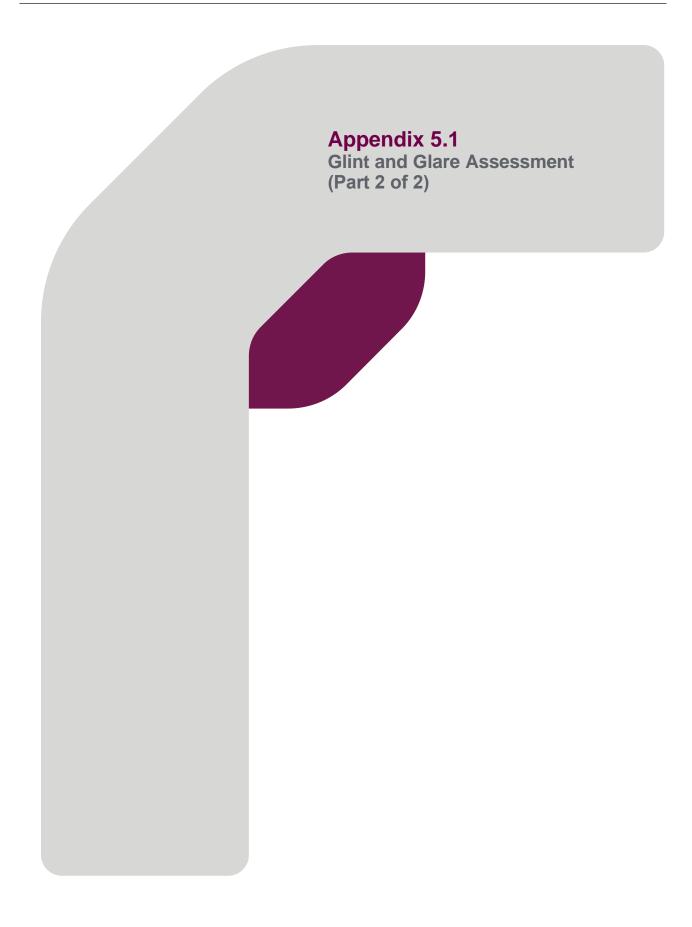
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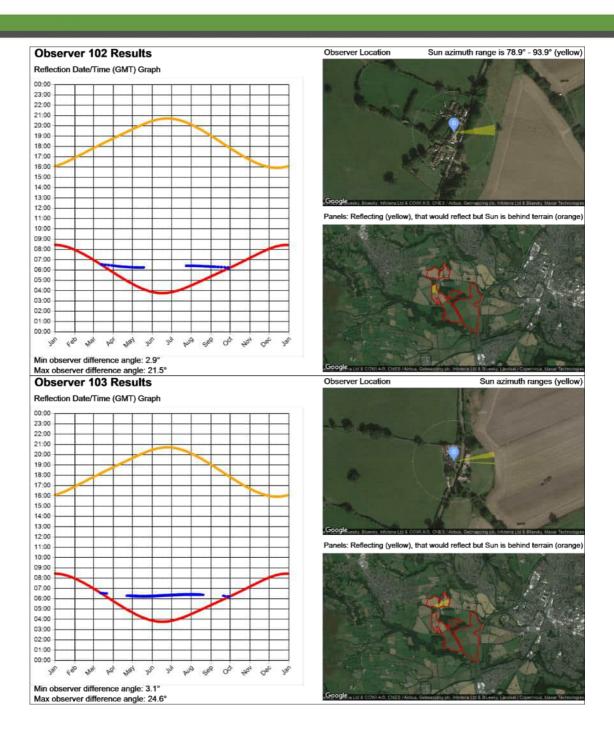


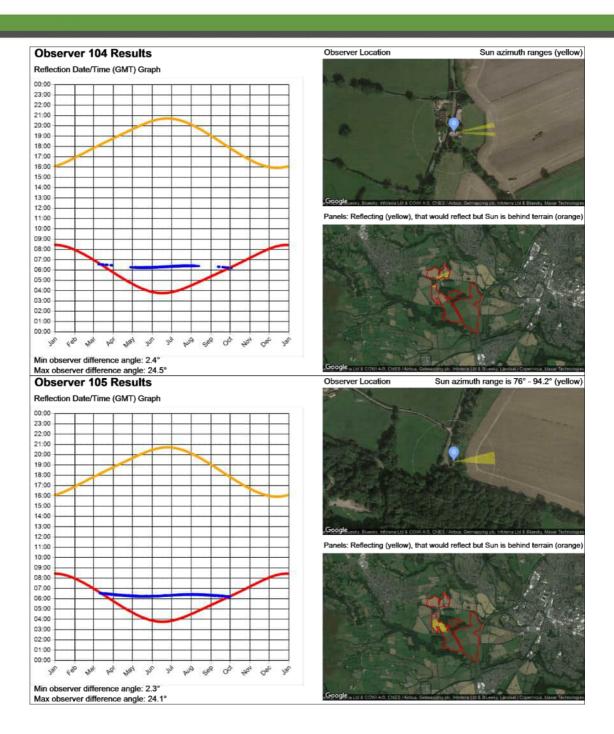
Schedule of appendices included in this document

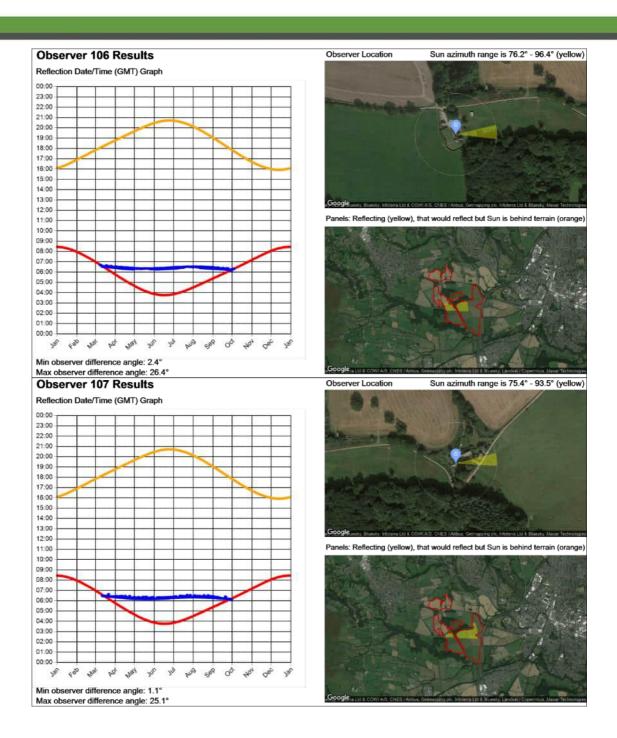
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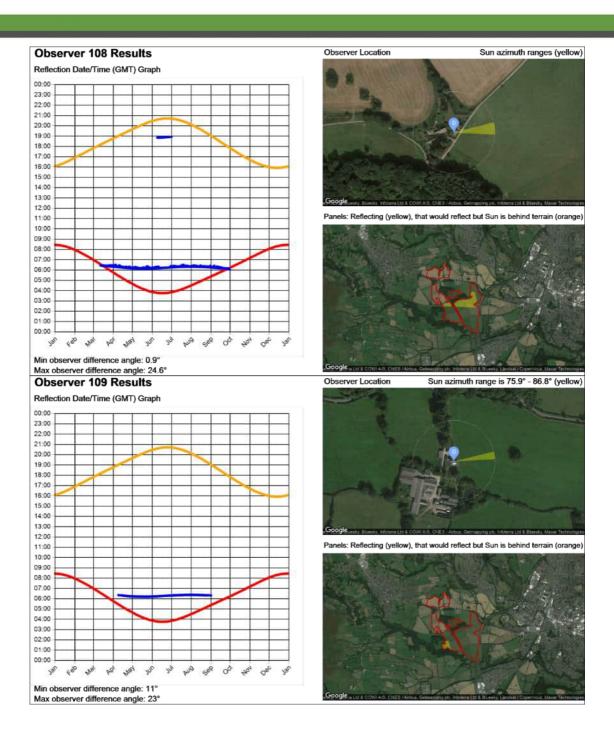


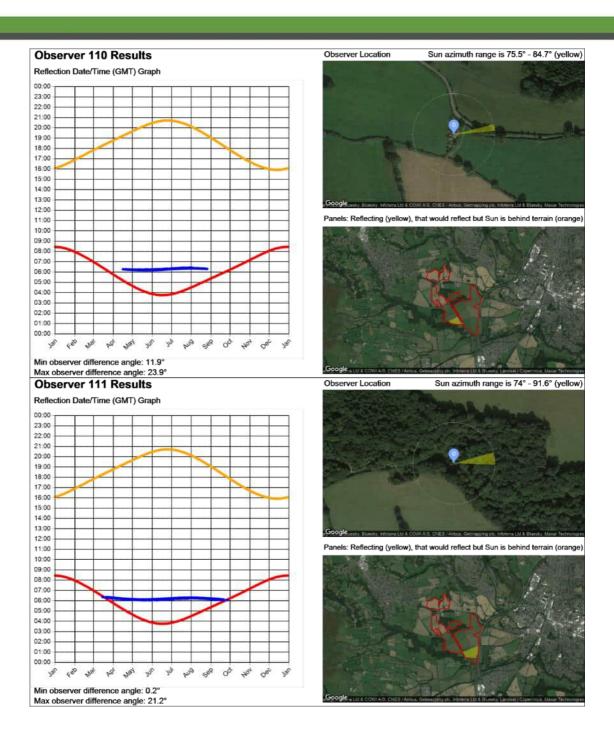
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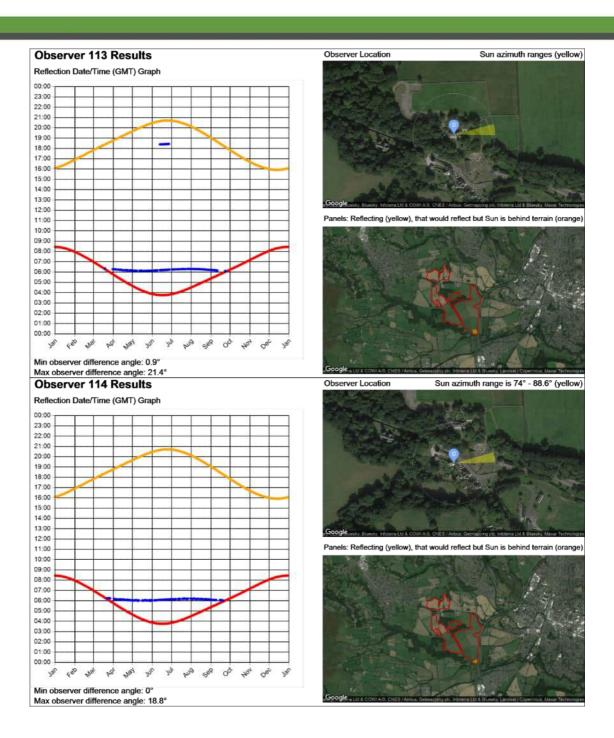


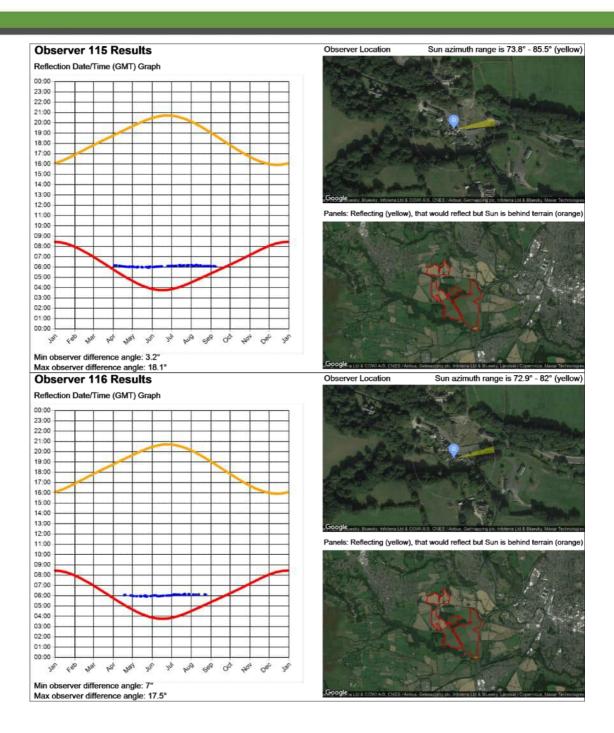


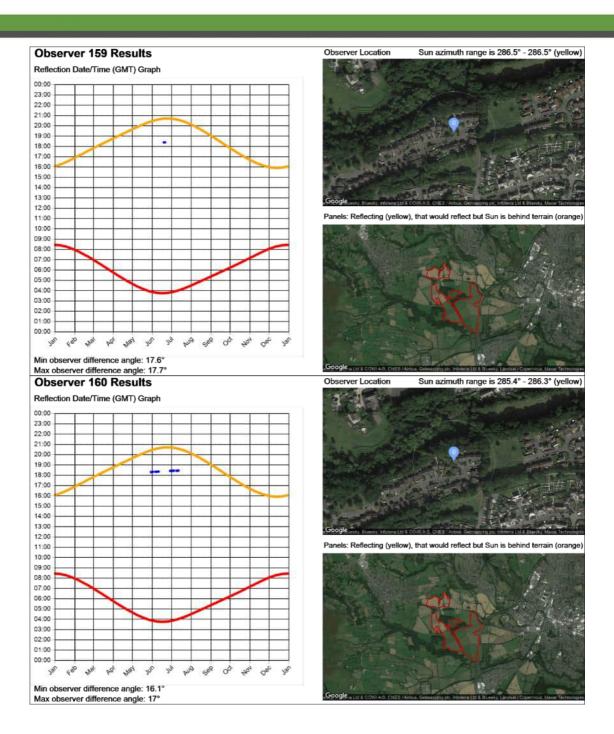


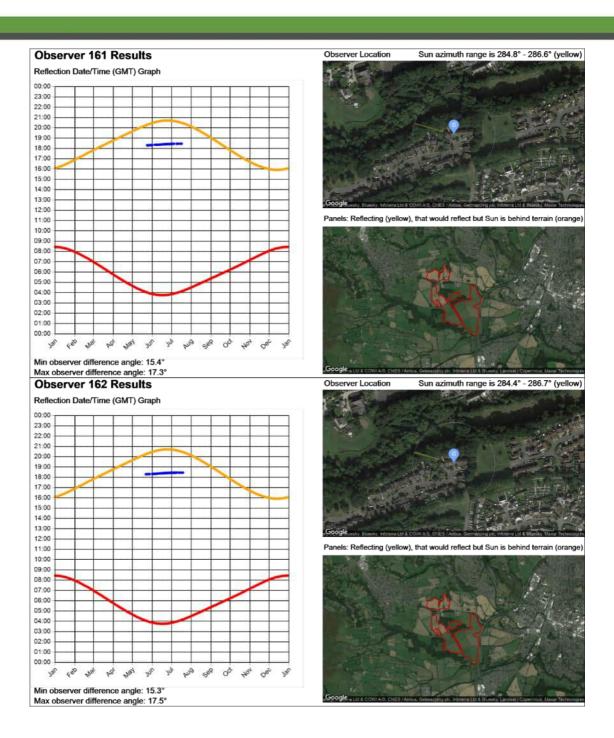


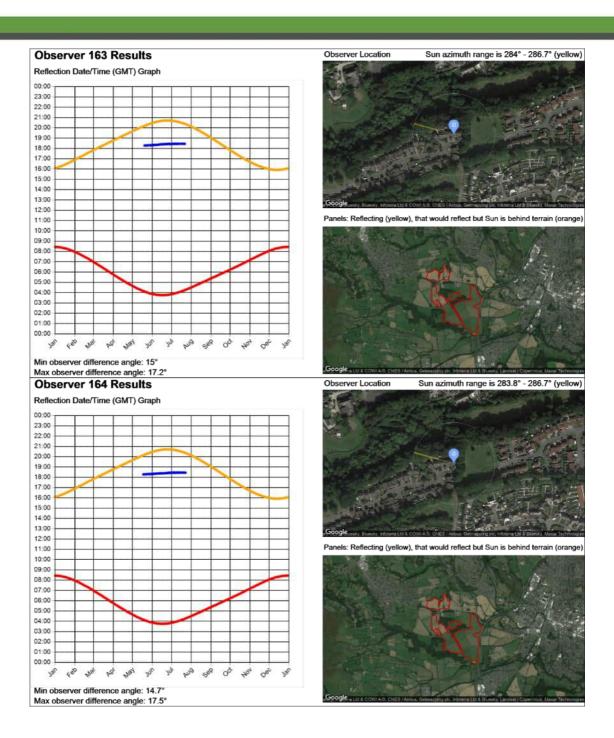


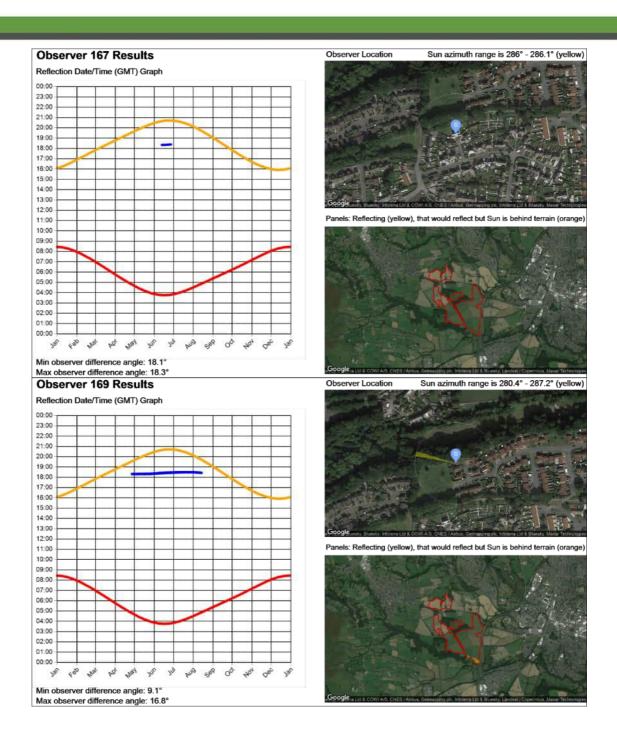


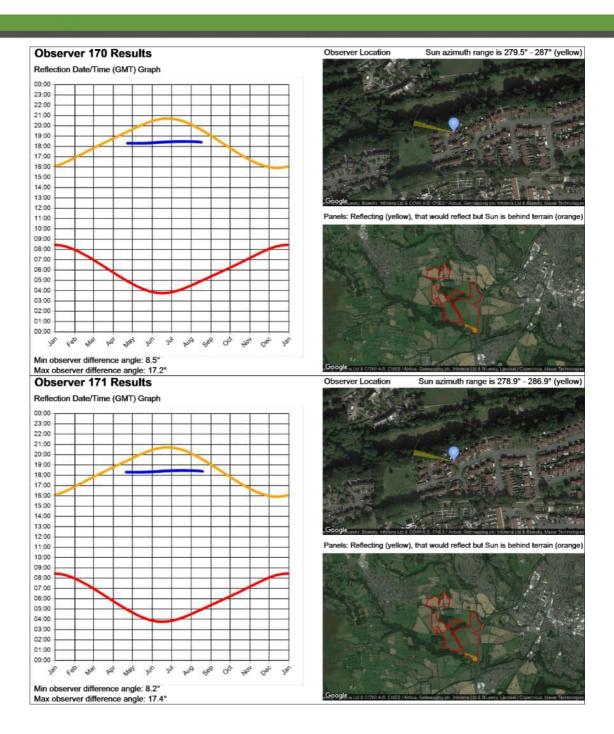


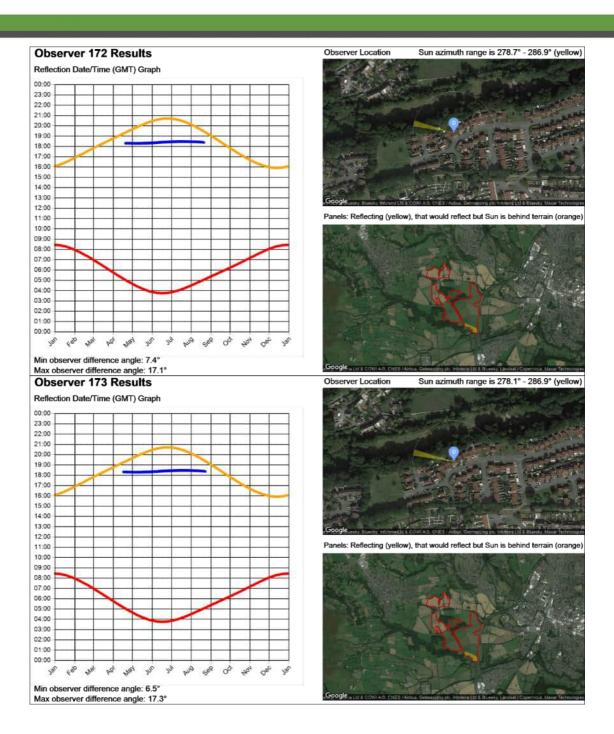


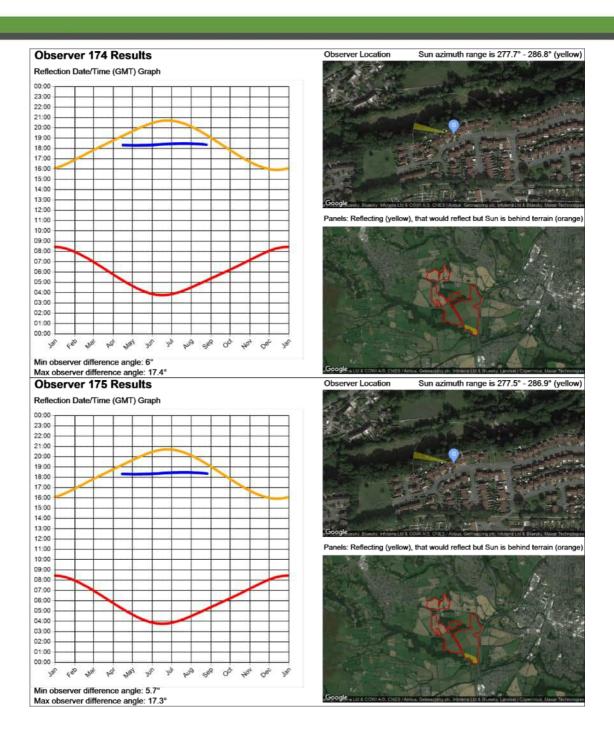


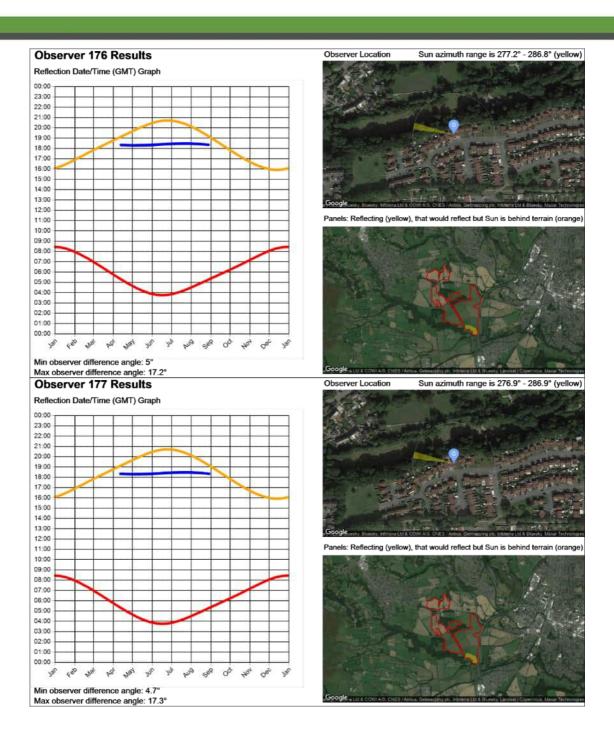


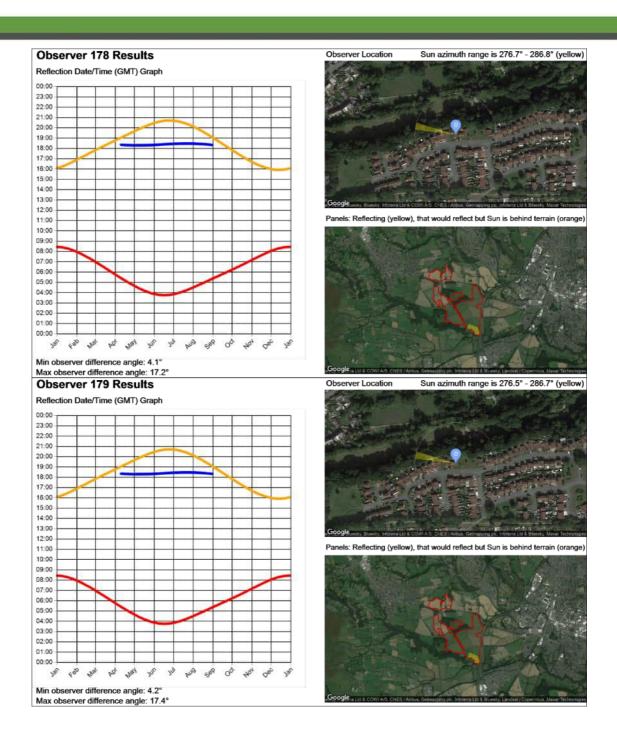


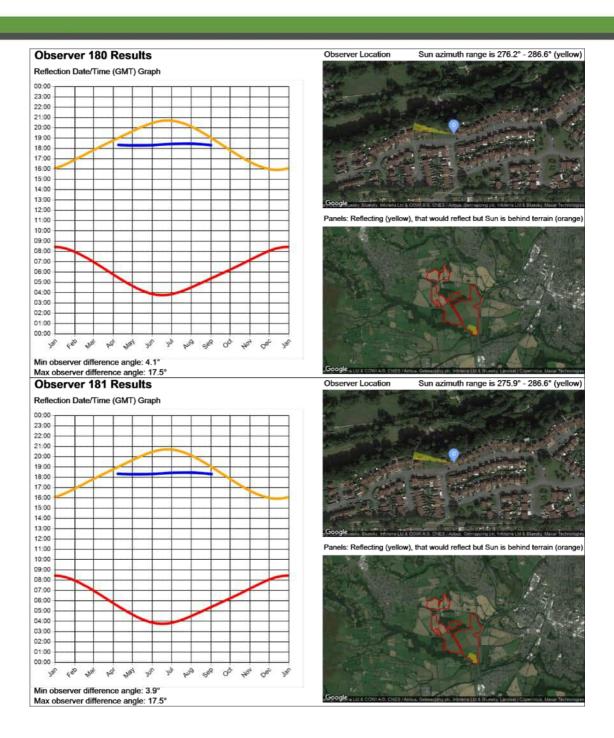


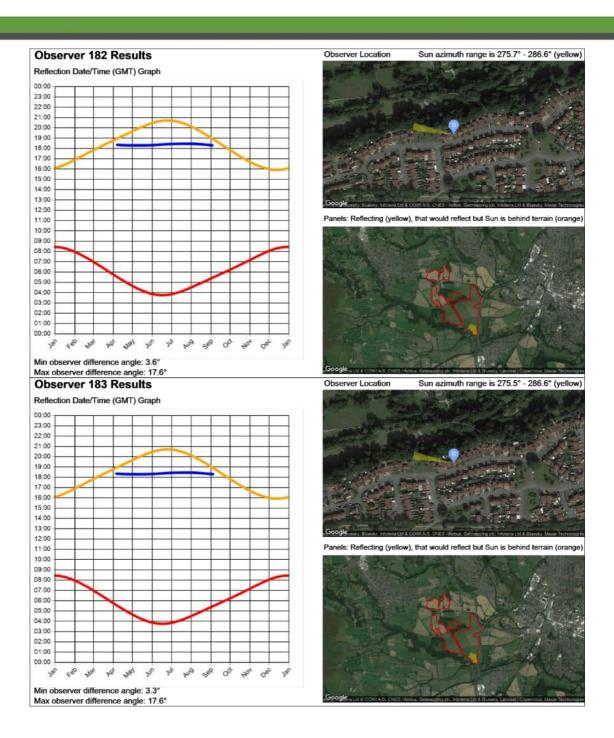


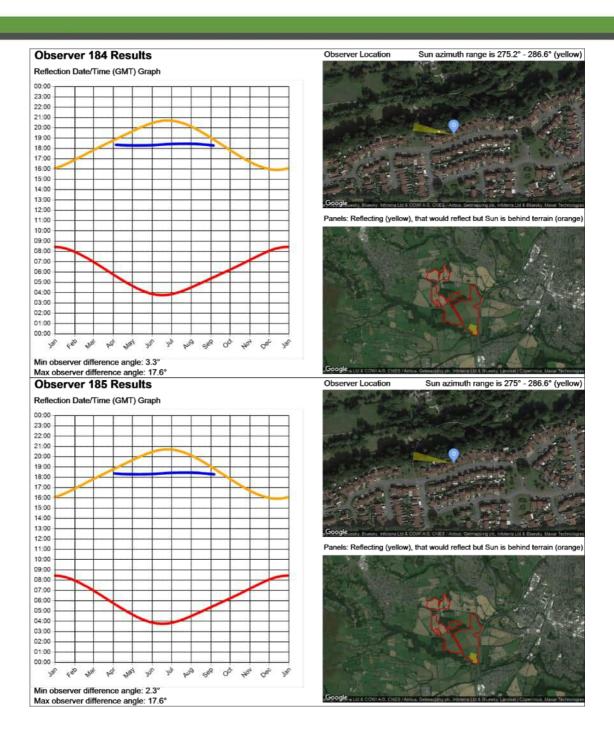


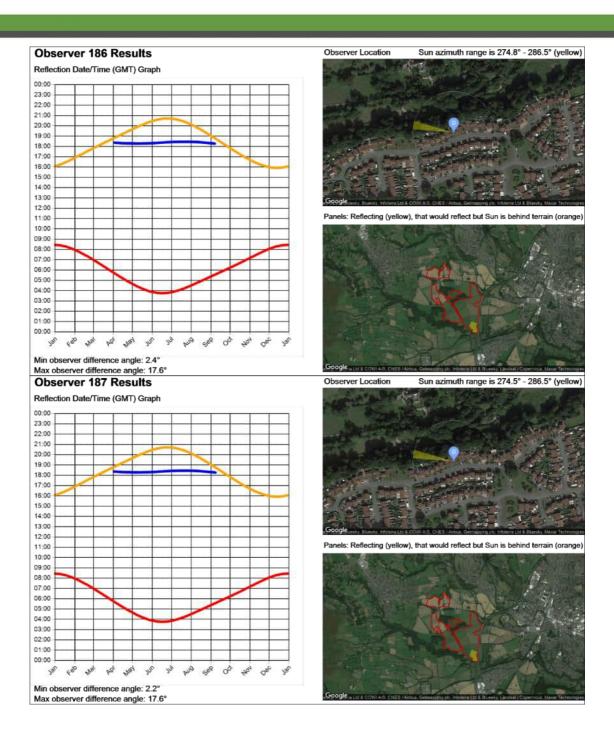


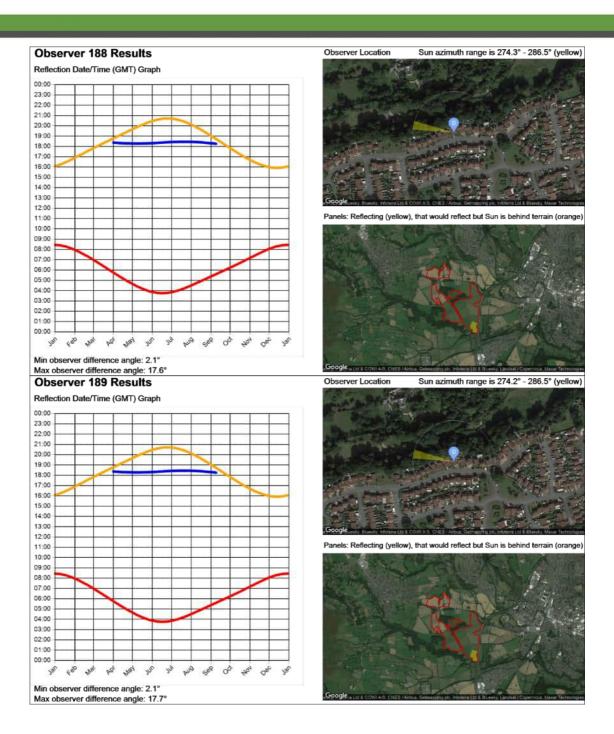


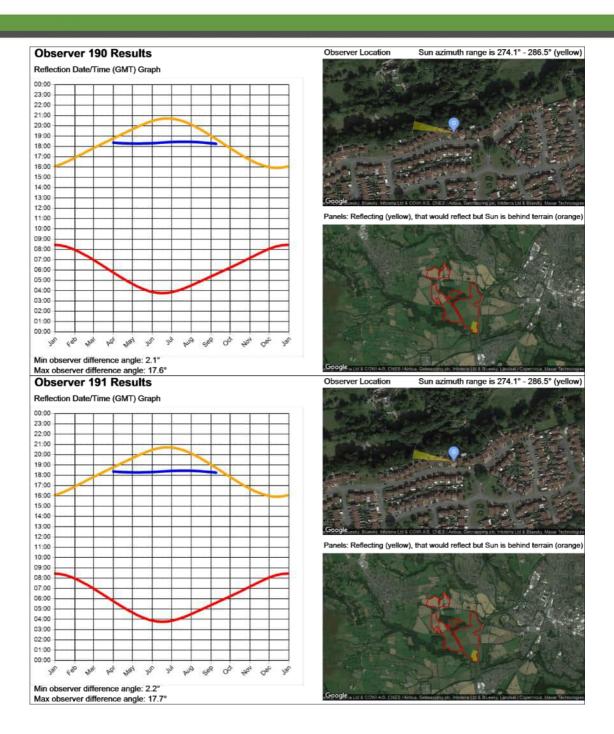


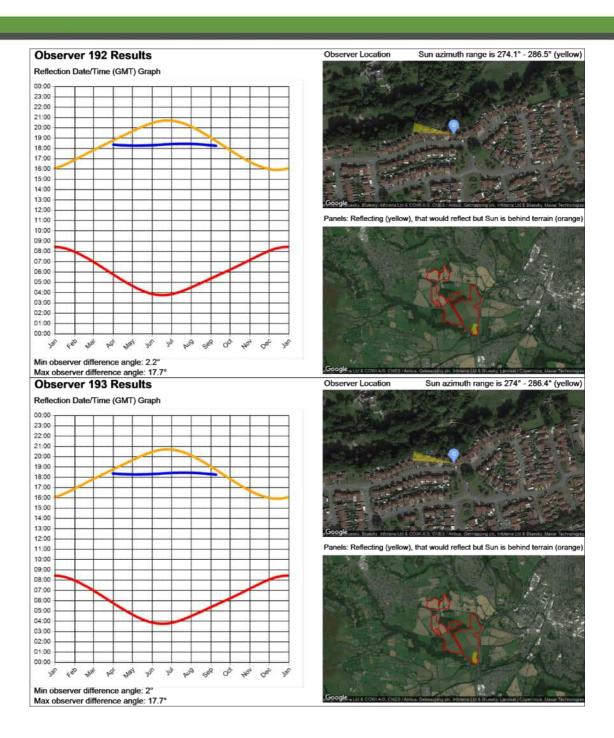


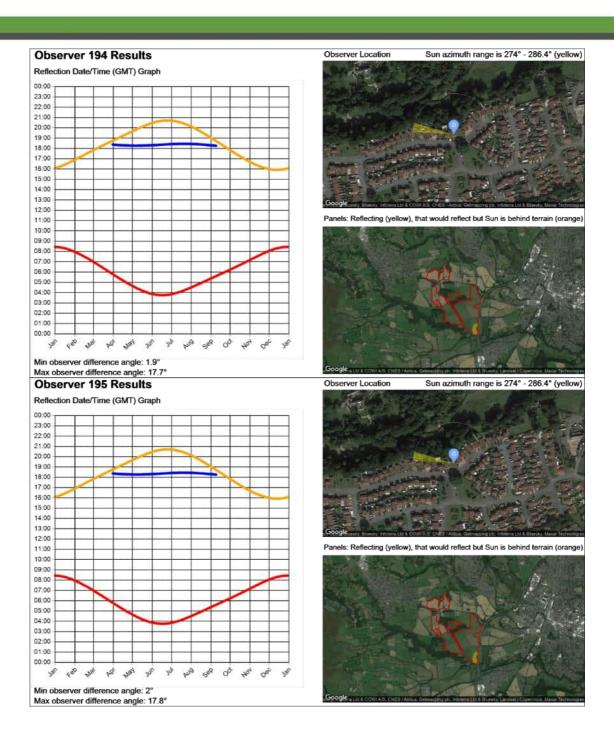


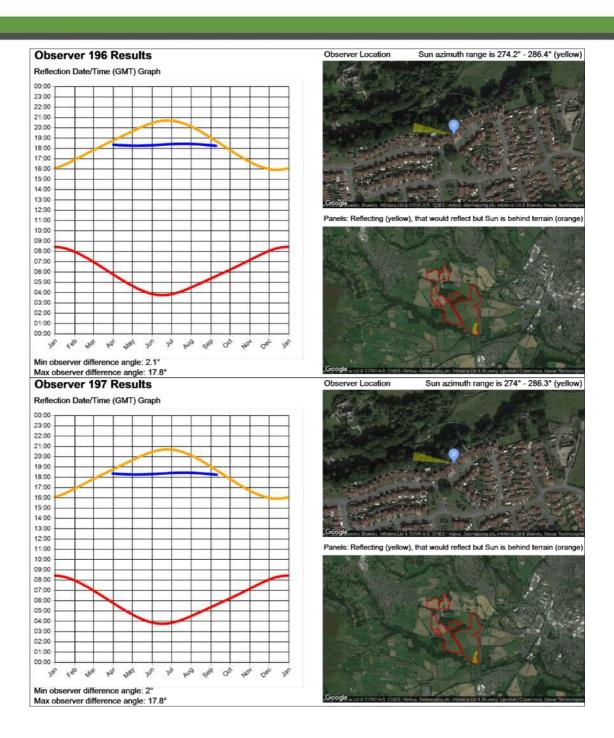


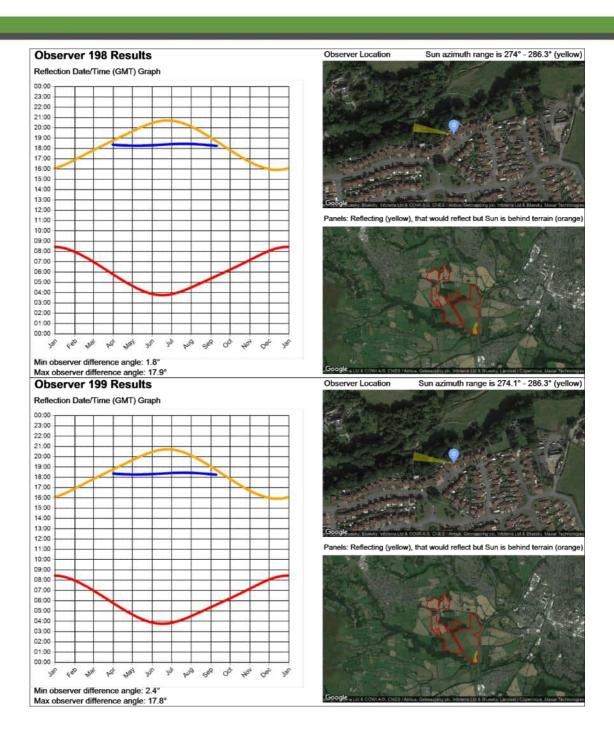


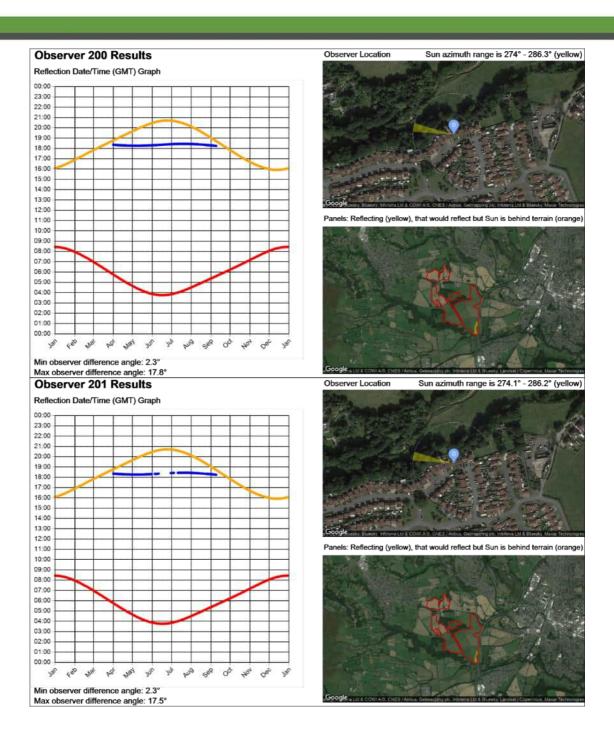


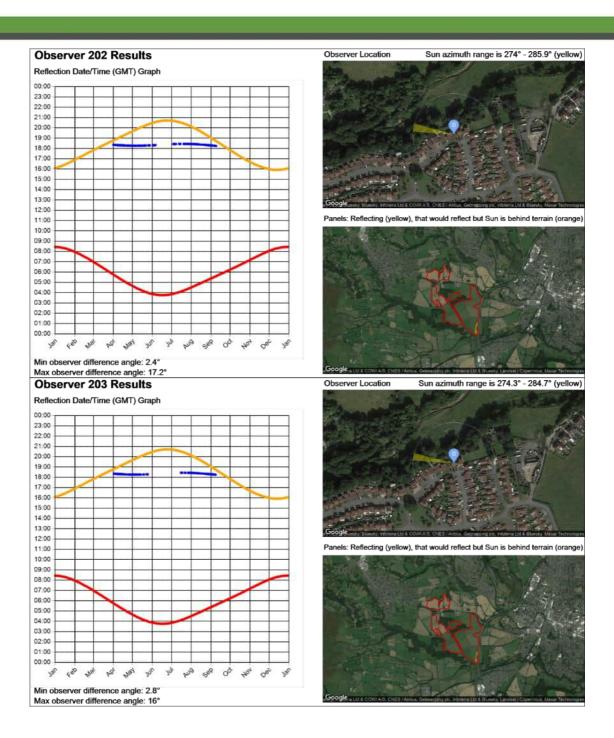


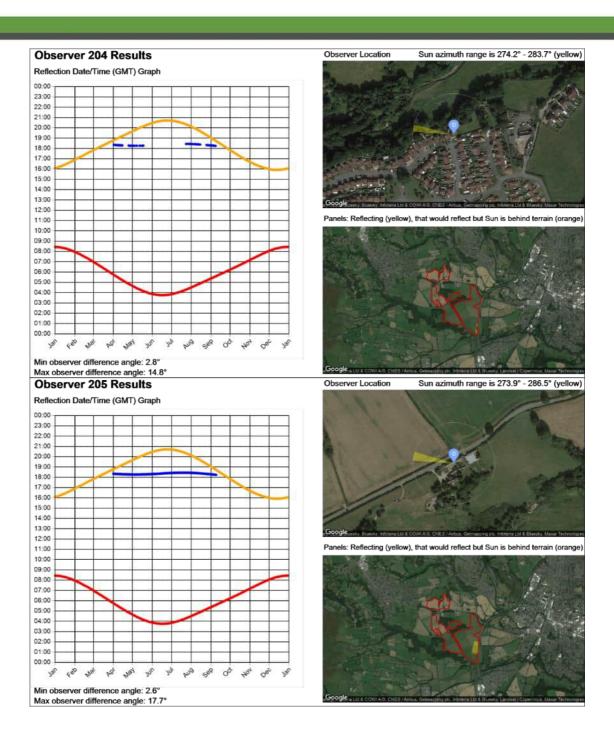


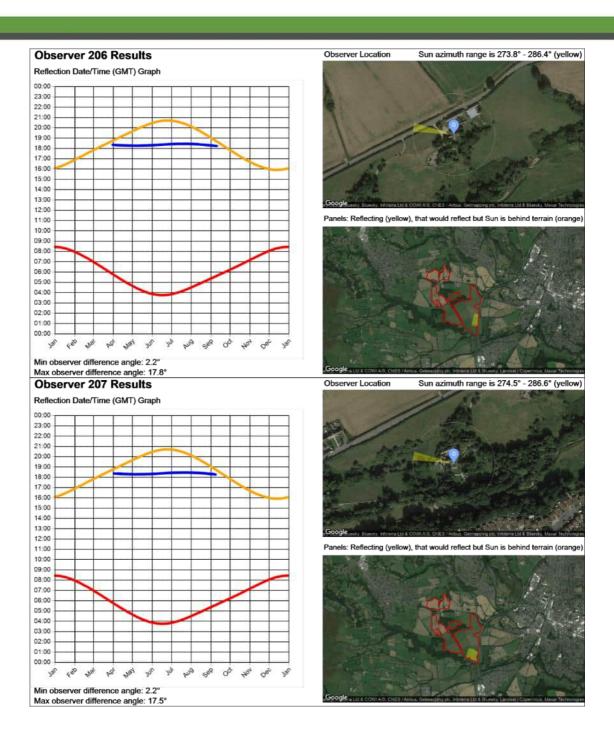


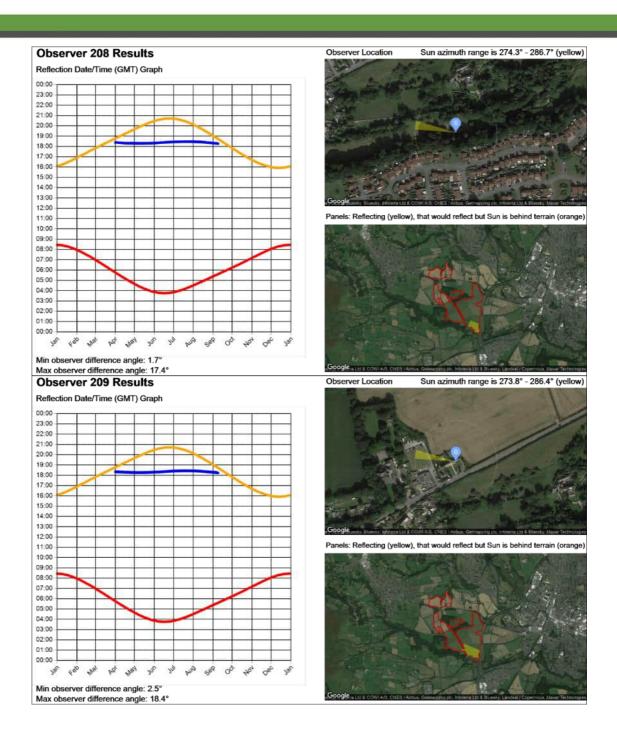


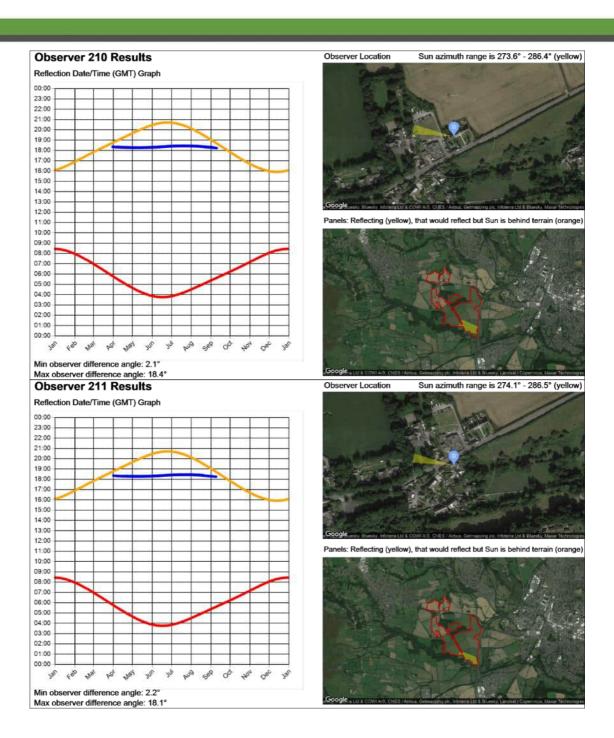


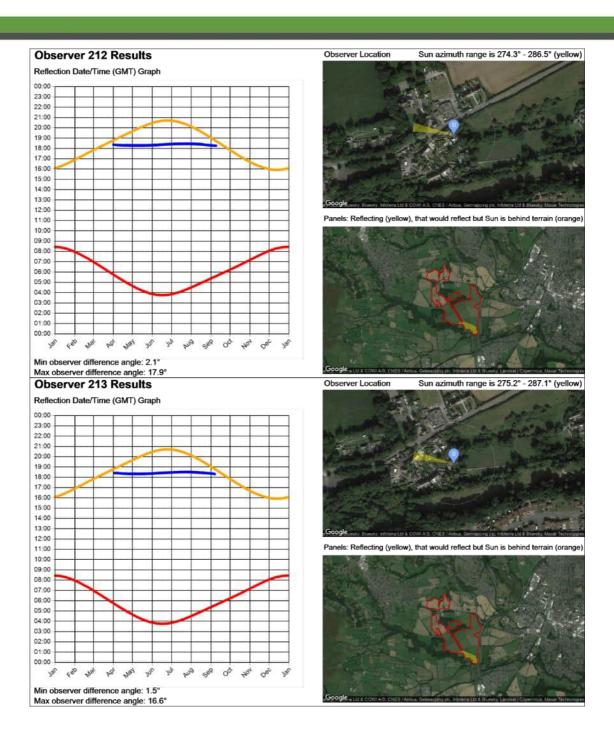


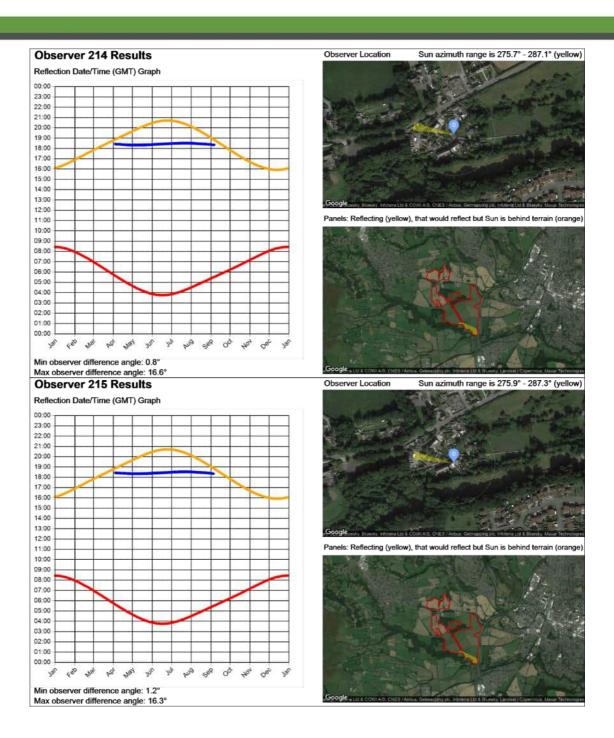


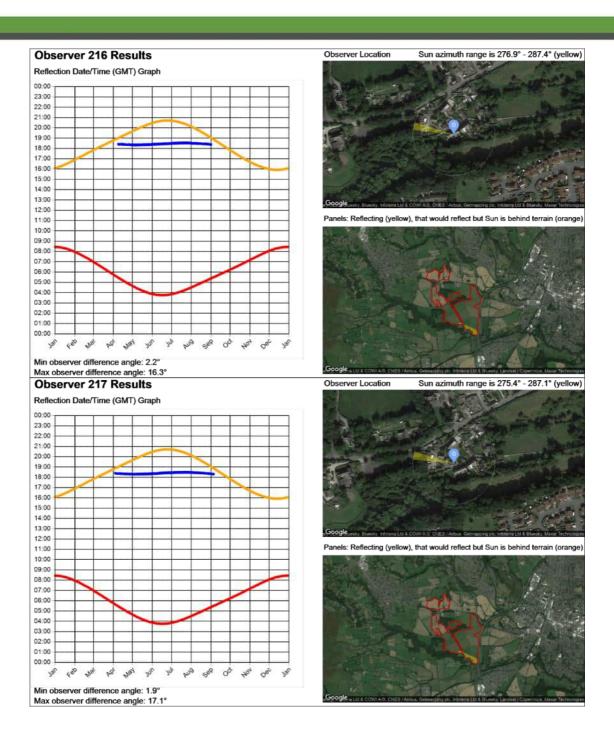


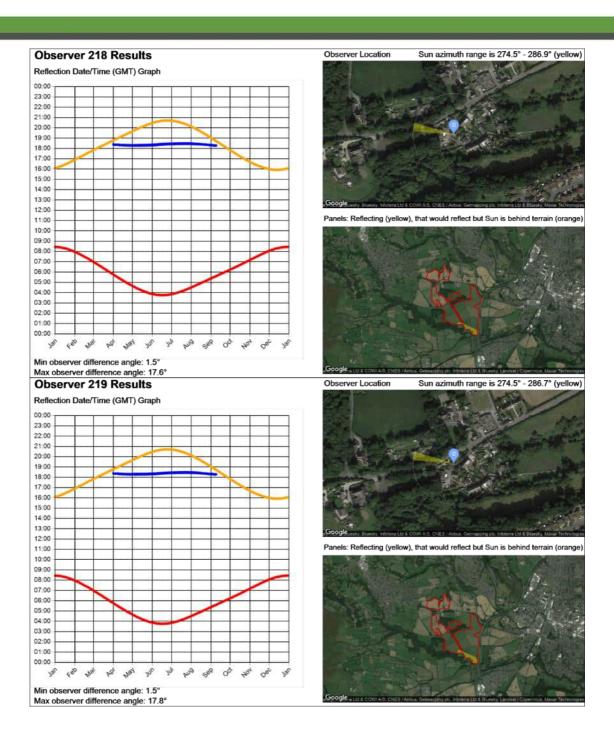


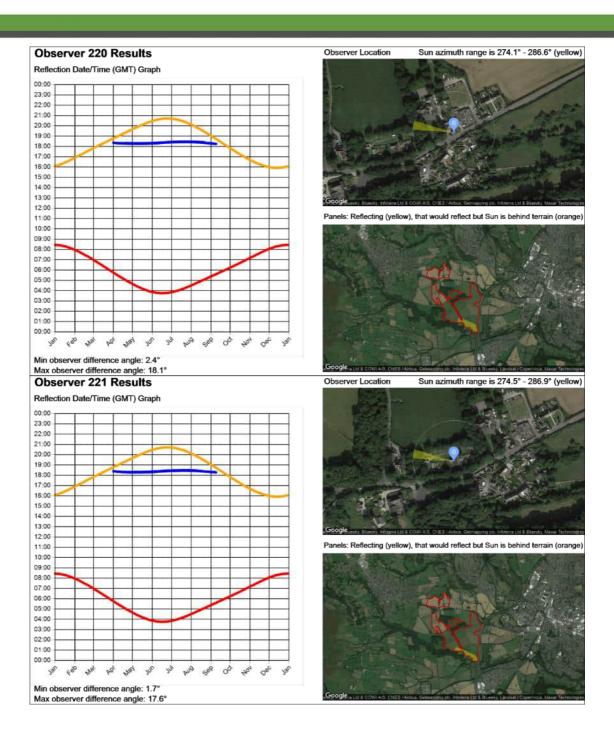


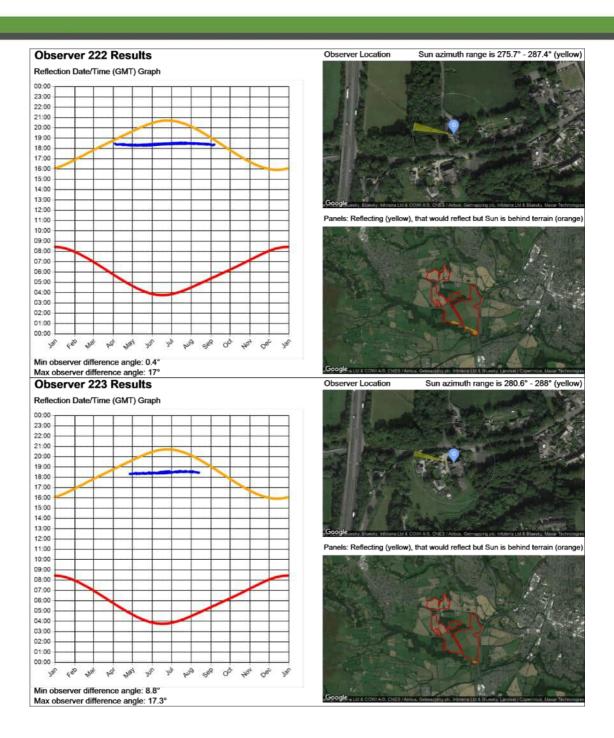


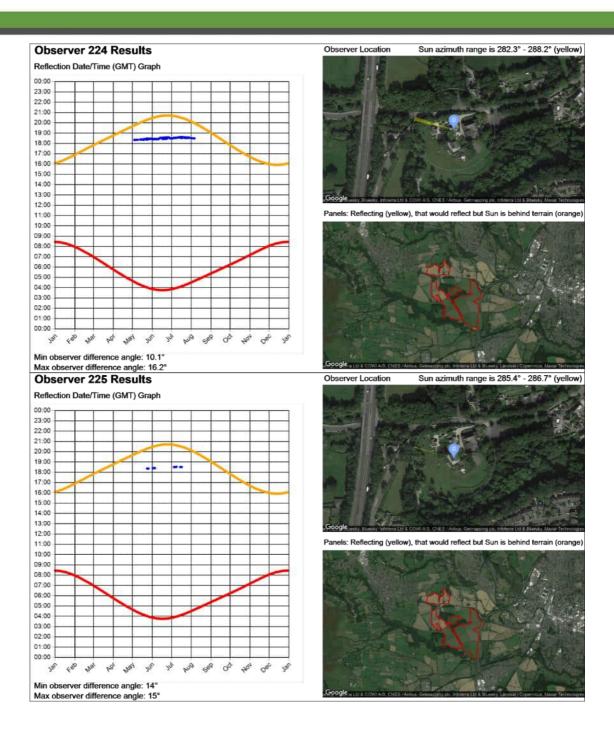


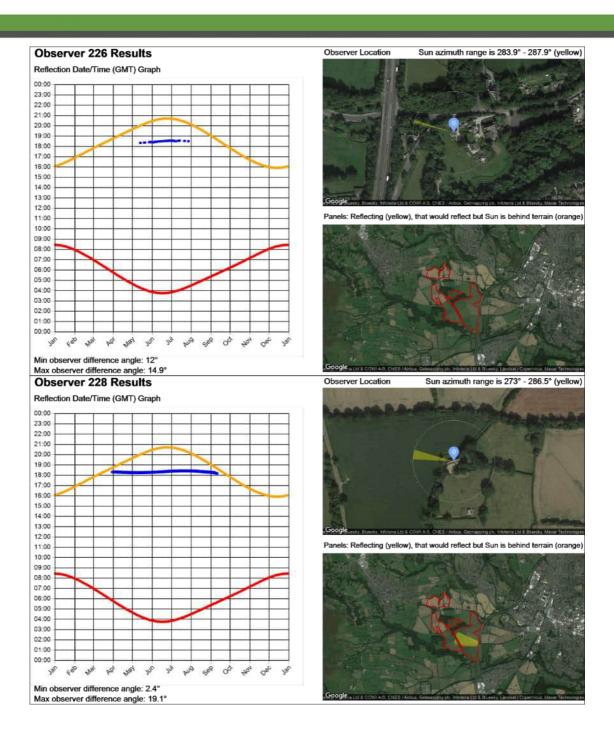


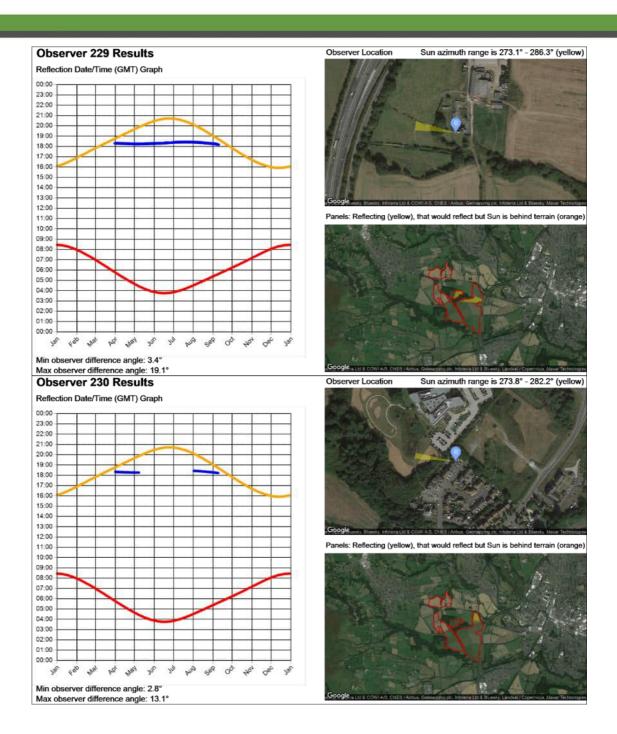


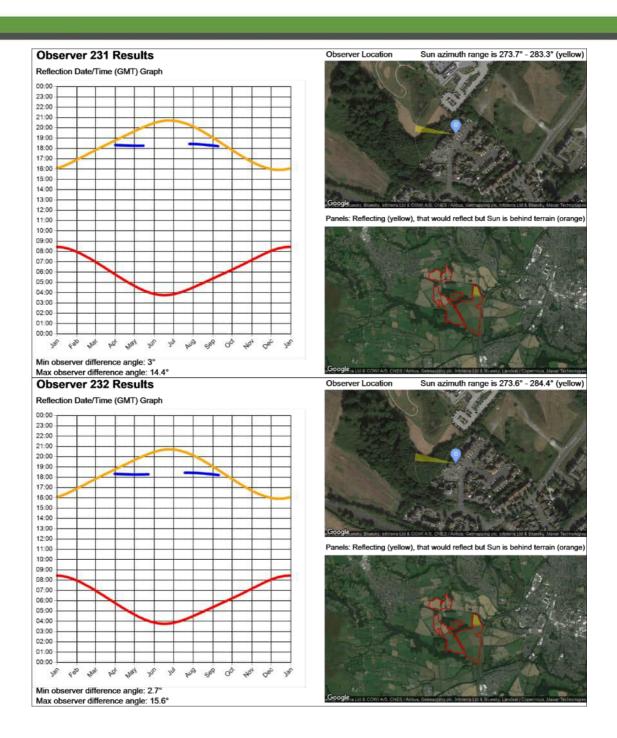


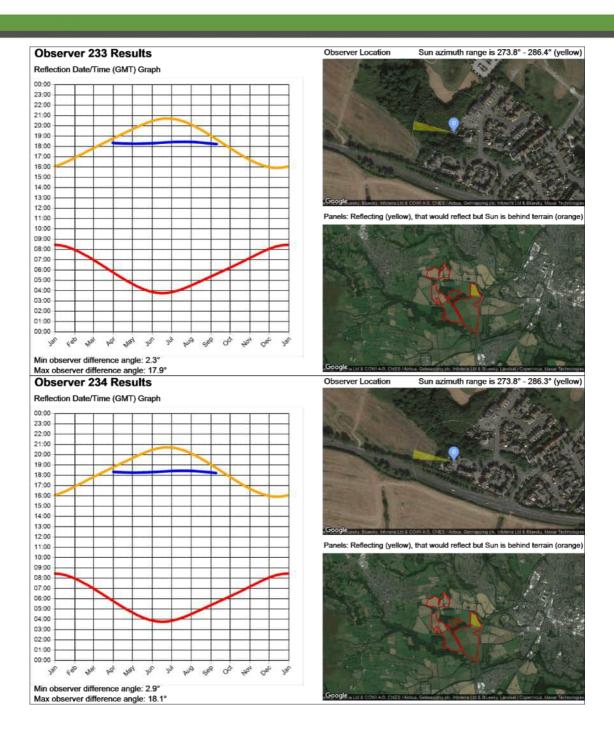


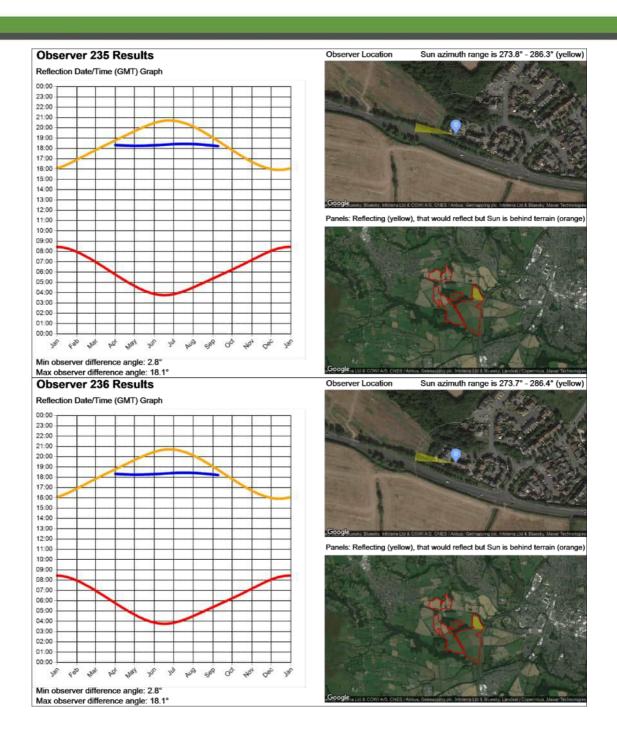


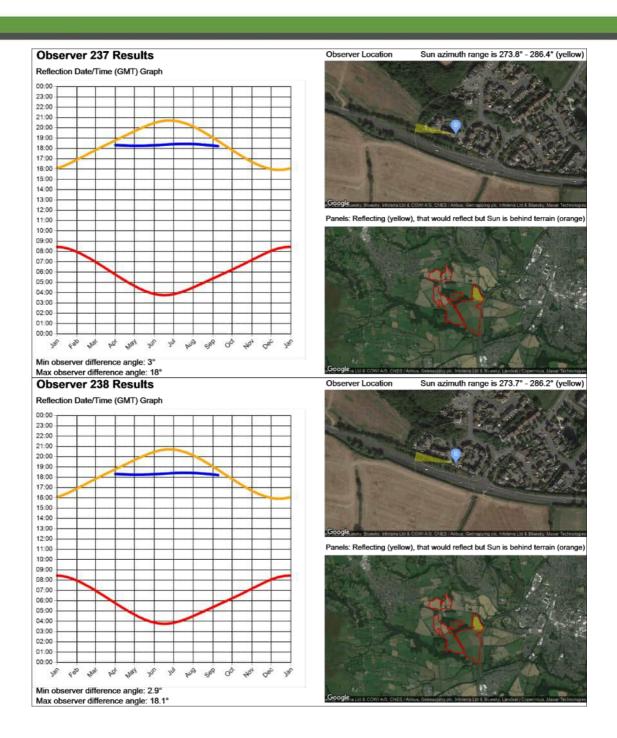


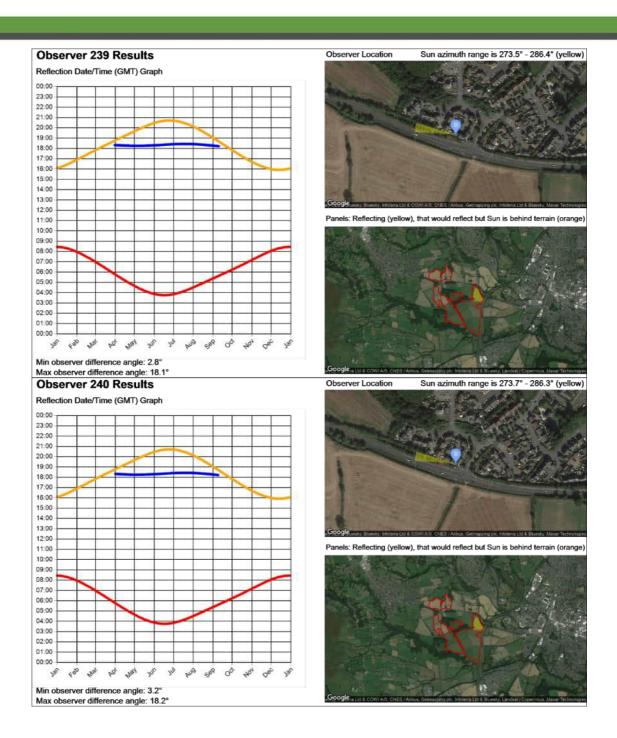


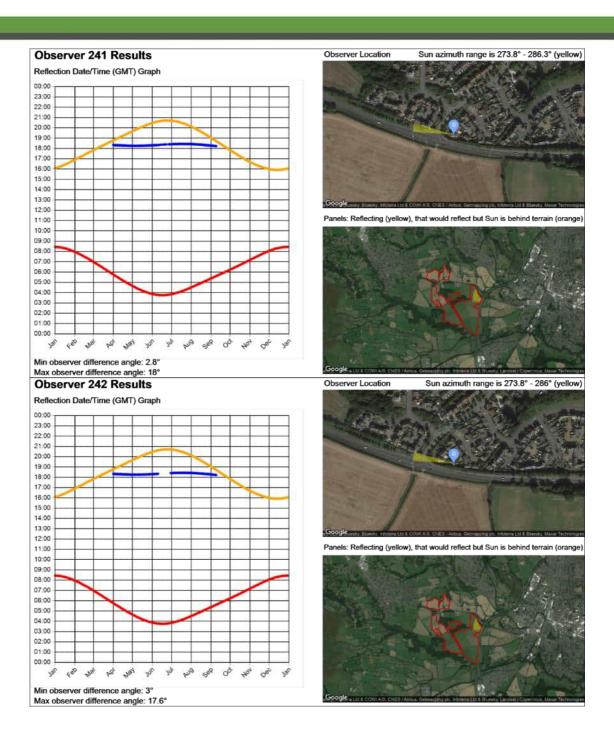


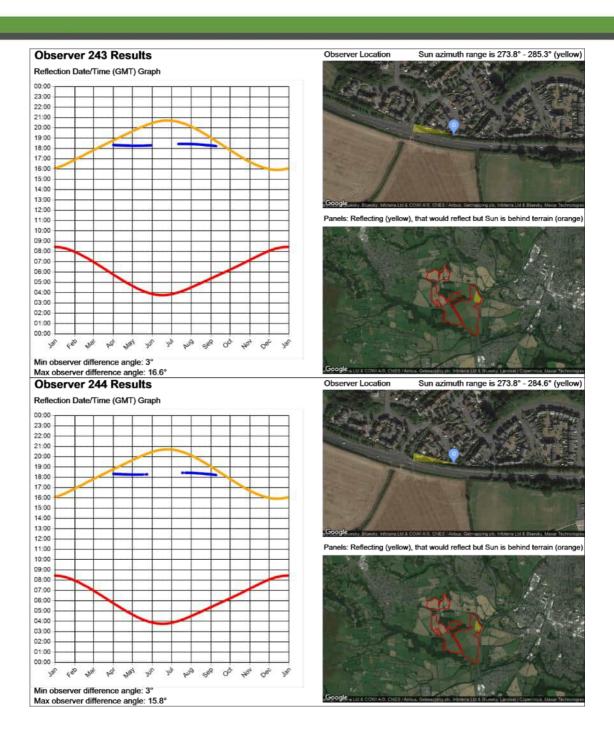


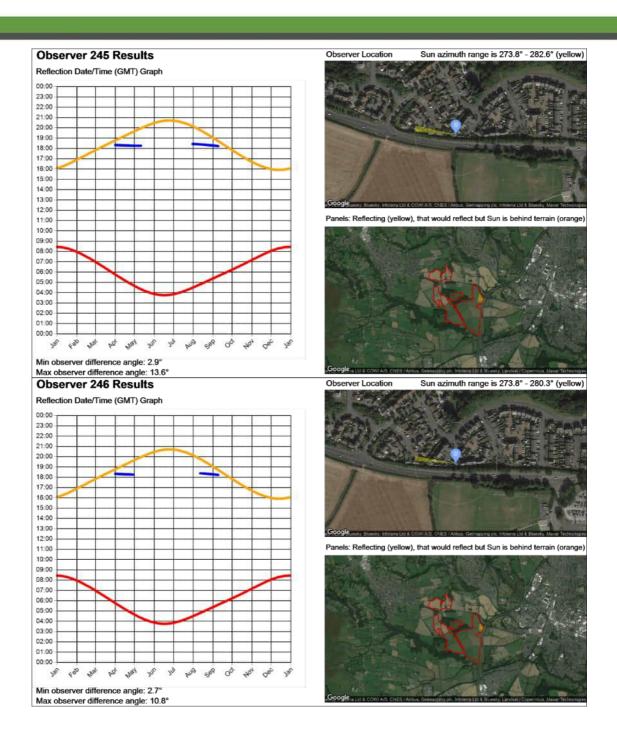


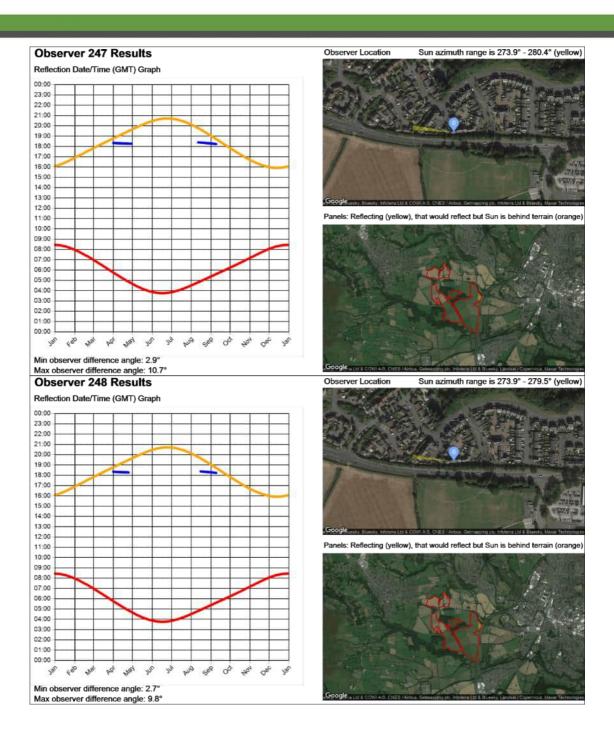


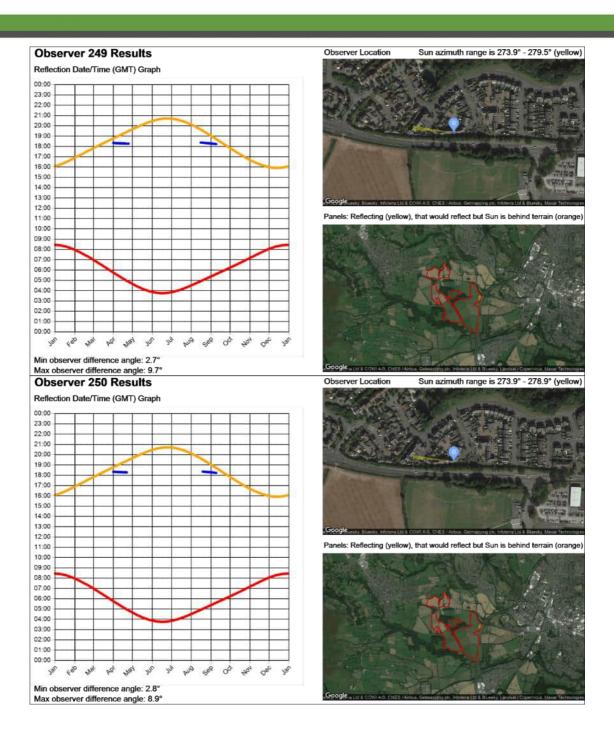


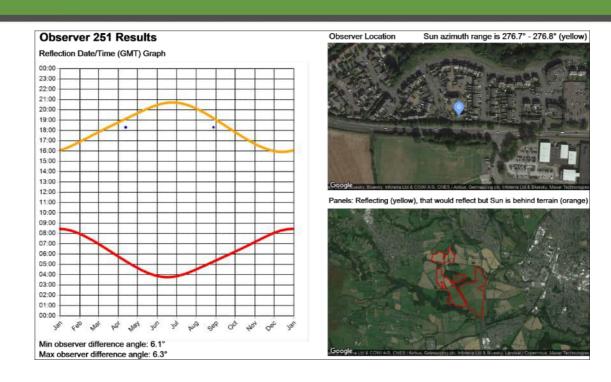




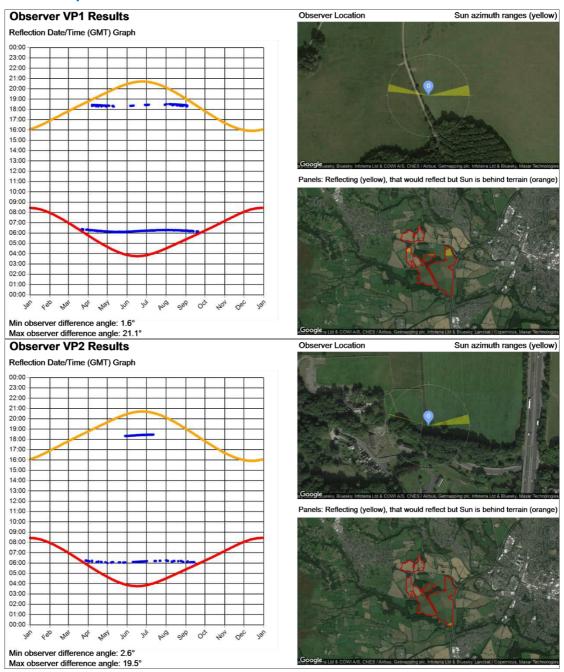


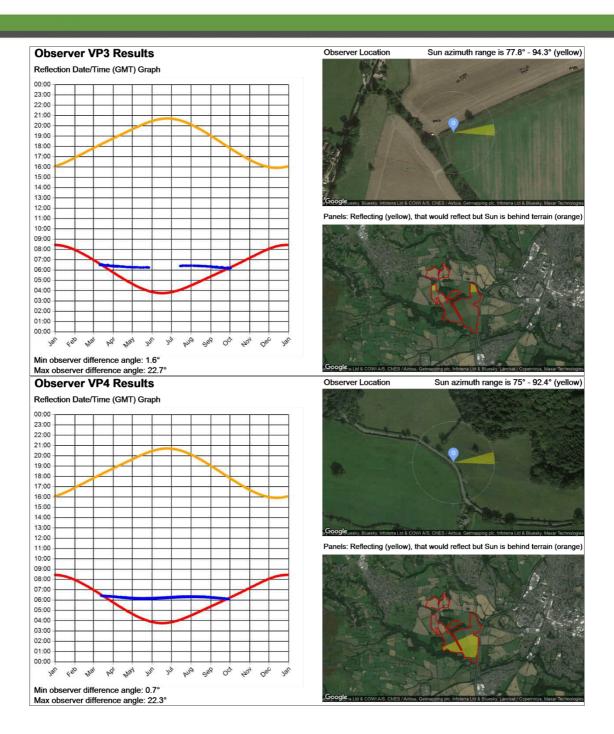


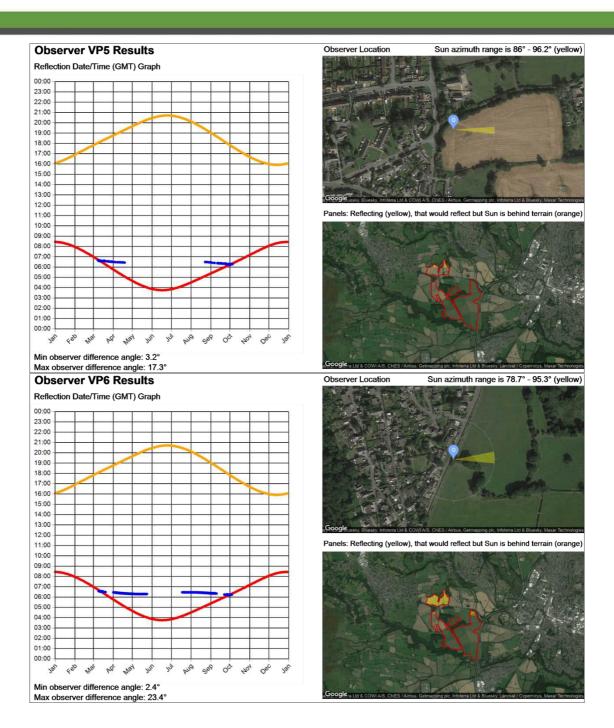


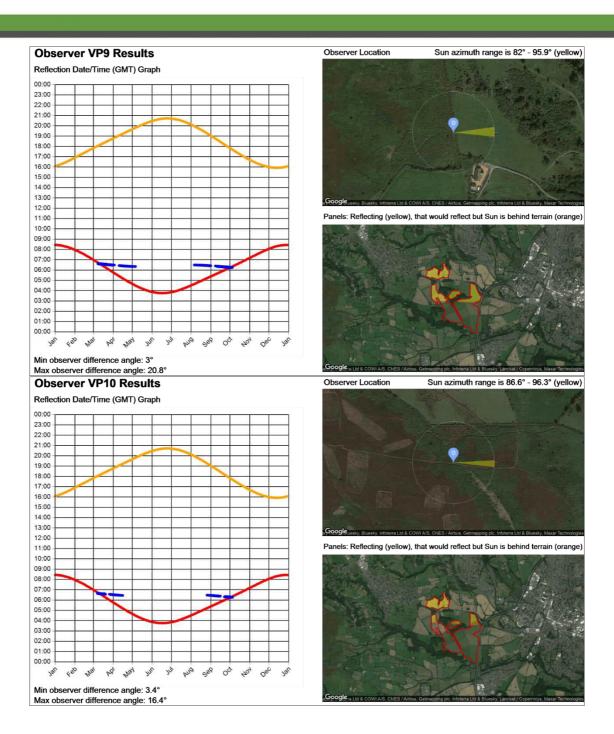


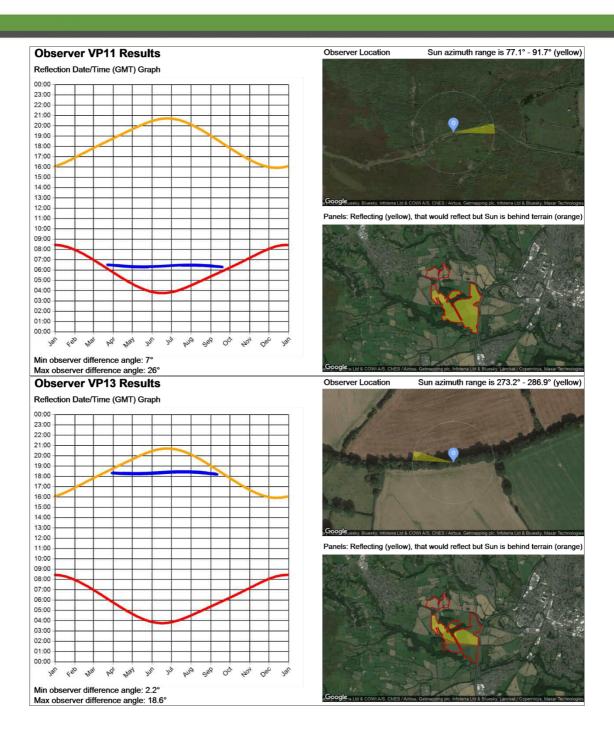
ZTV Viewpoints













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Pager Power Statement on Layout Change

RPS Group PLC

Plas Power Estate

13th November 2023

PLANNING SOLUTIONS FOR:

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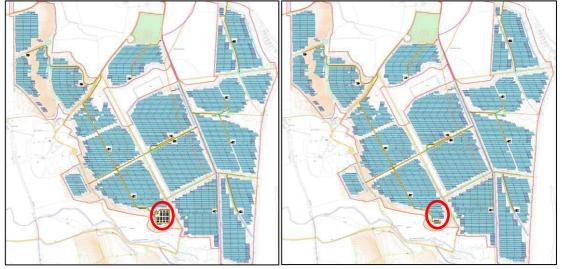
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PAGER POWER STATEMENT ON LAYOUT CHANGE

Pager Power has been previously retained to assess the possible effects of glint and glare from a proposed solar photovoltaic (PV) development located at Plas Power Estate, Wrexham, Wales. The glint and glare assessment pertains to the possible impact upon surrounding road safety, residential amenity, and identified ZTV viewpoints. The latest version of the report is titled '11078B - Plas Power Estate - Solar Photovoltaic Glint and Glare Study - 01Nov2023'.

Pager Power has reviewed the latest layout for the proposed development 'GBR_Plas Power_LP2-PDL-PL_13 (PV only).pdf'. The new layout includes an increased area of PVs within the southern parcel. These PVs replace an area where there was a Battery Energy Storage System on the modelled layout.



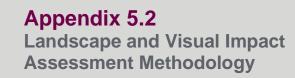
Modelled Layout (left) vs Latest Layout (right)

The layout change is not significant such that remodelling is recommended. The additional panels would be screened from most directions by intervening terrain, vegetation, and/or the other solar panels within the development. There are no receptors where the predicted impact level is expected to change as a result of this layout change. This means that there would be no impact on the conclusions of the report.



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APPENDIX 5.2: ASSESSMENT METHODOLOGY

Assessment Criteria and Assignment of Significance

Relevant Guidance

- 1.1 As a matter of best practice, this Landscape and Visual Impact Assessment (LVIA) has been undertaken based on the relevant guidance on landscape and visual impact assessment (LVIA) described in the following documents:
 - Landscape Character Assessment: Guidance for England and Scotland (The Countryside Agency and Scottish Natural Heritage, 2002);
 - Guidelines for Landscape and Visual Impact Assessment, Third Edition (GLVIA3) (Landscape Institute and Institute of Environmental Management and Assessment, 2013);
 - An Approach to Landscape Character Assessment (Natural England, 2014).
 - Technical Guidance Note 2/19 Residential Visual Amenity Assessment (Landscape Institute, 2019). and
 - Technical Guidance Note 02/21: Assessing landscape value outside national designations (Landscape Institute, May 2021).

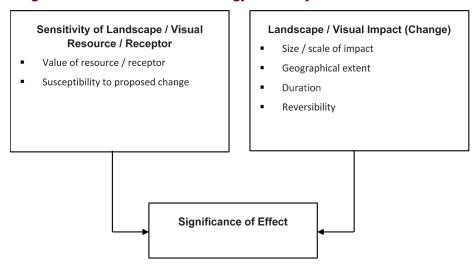
Distinction Between Landscape and Visual Effects

- 1.2 As set out in the GLVIA3, paragraph 2.21, landscape and visual effects are assessed separately, although the procedure for assessing each is closely linked. A clear distinction has been drawn between landscape and visual effects as described below:
 - Landscape effects relate to the effects of the proposed development on the physical and other characteristics of the landscape and its resulting character and quality.
 - Visual effects relate to the effects on views experienced by visual receptors (e.g. residents, footpath users, tourists etc) and on the visual amenity experienced by those people.

Assessment Criteria and Assignment of Significance of Effects

1.3 GLVIA3 sets out broad guidelines rather than detailed prescriptive methodologies. The methodologies tailored for the assessment of this development is based on GLVIA3 guidance, which recommends that an assessment "concentrates on principles and process" and "does not provide a detailed or formulaic recipe" to assess effects, it being the "responsibility of the professional to ensure that the approach and methodology are appropriate to the task in hand" (preface to GLVIA3). The effects on the landscape resources or visual receptors (people) are assessed by considering the proposed change in the baseline conditions (the impact of the proposal) against the type of landscape resource or visual receptor (including the importance and sensitivity of that resource or receptor). The methodology is set out in detail below and summarised in Diagram 1. These factors are determined through a combination of quantitative (objective) and qualitative (subjective) assessment using professional judgement.

Diagram 1: Assessment Methodology Summary



Sensitivity

Sensitivity of landscape receptors

- 1.4 The sensitivity of a landscape receptor is a combination of "judgements of their susceptibility to the type of change or development proposed and the value attached to the landscape" (GLVIA, para 5.39). For the purpose of this assessment, susceptibility and value of landscape receptors are defined as follows:
 - Landscape susceptibility: "the ability of the landscape receptor (whether it be the overall character or quality/condition of a particular landscape type or area, or an individual element and/or feature, or a particular aesthetic and perceptual aspect) to accommodate the proposed change without undue consequences for the maintenance of the baseline situation and/or the achievement of landscape planning policies and strategies" (GLVIA, para 5.40).
 - Value of the landscape receptor: "The value of the Landscape Character Types or Areas that may be affected, based on review of designations at both national and local levels, and, where there are no designations, judgements based on criteria that can be used to establish landscape value; and, the value of individual contributors to landscape character, especially the key characteristics, which may include individual elements of the landscape, particularly landscape features, notable aesthetic, perceptual or experiential qualities, and combinations of these contributors" (GLVIA, para 5.44). An evaluation of the value attached to undesignated landscapes has been considered and reference has been made to the Landscape Institutes Technical Guidance note 02/21 Assessing landscape value outside of national designations.
- 1.5 Sensitivity is not readily graded into bands. However, descriptions of landscape susceptibility and value are set out in Table 1 below.

Table 1: Definitions of Landscape Sensitivity

Sensitivity	Typical Descriptors Landscape Resource/Receptor Susceptibility	Landscape Resource/Receptor Value Nationally/internationally designated/valued landscape, or key elements or features of	
Very High	Exceptional landscape quality, no or limited potential for substitution. Key elements / features well known to the wider public.		

Sensitivity	Typical Descriptors Landscape Resource/Receptor Susceptibility	Landscape Resource/Receptor Value	
		nationally/internationally designated landscapes.	
High	Strong/distinctive landscape character; absence of landscape detractors.	Regionally/nationally designated/valued countryside and landscape features.	
Medium	Some distinctive landscape characteristics; few landscape detractors.	Locally/regionally designated/valued countryside and landscape features.	
Low	Absence of distinctive landscape characteristics; presence of landscape detractors.	Undesignated countryside and landscape features.	
Negligible	Absence of positive landscape characteristics. Significant presence of landscape detractors.	Undesignated countryside and landscape features.	

Sensitivity of visual receptors

- Visual receptors are always people. The sensitivity of each visual receptor (the particular person or group of people likely to be affected at a specific viewpoint) "should be assessed in terms of both their susceptibility to change and in views and visual amenity and also the value attached to particular views" (GLVIA, para 6.31). For the purpose of this assessment, susceptibility and value of visual receptors are defined as follows:
 - Visual susceptibility: "The susceptibility of different visual receptors to changes in views and visual amenity is mainly a function of: The occupation or activity of people experiencing views at the particular locations; and, the extent to which their attention or interest may therefore be focused on the views and the visual amenity they experience at particular locations" (GLVIA, para 6.32).
 - Value of views: Judgements made about the value of views should take account of: "recognition of the value attached to particular views, for example in relation to heritage assets, or through planning designations; and, indicators of value attached to views by visitors, for example through appearances in guidebooks or on tourist maps, provision of facilities for their enjoyment (such as parking places, sign boards or interpretive material) and references to them in literature or art..." (GLVIA, para 6.37).
- 1.7 Sensitivity is not readily graded in bands and GLVIA notes, with regards to visual sensitivity, that the division of who may or may not be sensitive to a particular change "is not black and white and in reality, there will be a gradation in susceptibility to change" (GLVIA, para 6.35). In order to provide both consistency and transparency to the assessment process, however, Table 2, below defines the criteria which have guided the judgement as to the intrinsic susceptibility and value of the resource/receptor and subsequent sensitivity to the proposed development.

Table 2: Definitions of Visual Sensitivity

Sensitivity	Typical Descriptors Visual Receptor Susceptibility	Value of View
Very High	Observers, drawn to a particular view, including those who have travelled from around Britain and overseas to experience the views.	See paragraph 1.6 and 1.7, above
High	Observers on the public rights of way network in the countryside are more sensitive to visual change.	See paragraph 1.6 and 1.7, above
Medium	Observers enjoying the countryside from vehicles on quiet/promoted routes or pedestrians on less	See paragraph 1.6 and 1.7, above

Sensitivity	Typical Descriptors Visual Receptor Susceptibility	Value of View
	scenic/urban rights of way are moderately sensitive to visual change.	
Low	Observers in vehicles or people involved in outdoor activities where attention is not focused on landscape are less sensitive to visual change.	See paragraph 1.6 and 1.7, above
Negligible	Observers in vehicles or people involved in frequent or frequently repeated activities are less sensitive to visual change.	See paragraph 1.6 and 1.7, above

Magnitude of Impact

Magnitude of impact on landscape resources and receptors

- 1.8 The magnitude of impact or change affecting landscape receptors depends on the size or scale, geographical extent of the area influenced and its duration and reversibility. These factors are described below:
 - Size or scale: "The extent of the existing landscape elements that will be lost, the proportion of the total extent that this represents and the contribution of that element to the character of the landscape...; the degree to which aesthetic or perceptual aspects of the landscape are altered either by removal of existing components of the landscape or by addition of new ones..." and, "whether the effect [impact] changes the key characteristics of the landscape, which are critical to its distinctive character" (GLVIA, para 5.49).
 - Geographical extent: Distinct from scale or size, this factor considers the geographical area over which the landscape impacts will be felt, it might, for example, be a moderate loss of landscape receptors or character over a large area, or a large loss of receptors or character over a very localised area. At para 5.50 GLVIA3 notes that "in general effects [impacts] may have an influence at the following scales, although this will vary according to the nature of the project and not all may be relevant on every occasion: at the site level within the development site itself; at the level of the immediate setting of the site; at the scale of the landscape type or character area within which the proposal lies; and, on a larger scale, influencing several landscape types or character areas." For the purposes of this LVIA, the assessment considers the impact of the proposed development on the published landscape character areas, both at local and national level, i.e. the third and fourth landscape scales.
- Duration and reversibility: Duration is categorised as short, medium or long-term. GLVIA explains that as there are no standard lengths of time within these categories, the appraisal must state what these are and why these have been chosen (GLVIA, para 5.51). Reversibility is described as "a judgement about the prospects and practicality of the particular effect being reversed in, for example, a generation" (GLVIA, para 5.52). Projects can be considered to be permanent (irreversible), partially reversible or fully reversible. For the purposes of this assessment the proposed development is considered to be fully reversible.

Magnitude of impact on visual receptors

1.10 As with the magnitude of landscape impacts, the magnitude of impact or change affecting visual receptors depends on the size or scale, geographical extent of the area influenced and its duration and reversibility. These factors are described below:

- Size or scale: Judgements need to take account of: "the scale of the change [impact] in the view with respect to the loss or addition of features in the view and changes in its composition, including the proportion of the view occupied by the proposed development; the degree of contrast or integration of any new features or changes in the landscape with existing or remaining landscape elements and characteristics in terms of form, scale and mass, line, height, colour, and texture; and, the nature of the view of the proposed development, in terms of the relative amount of time over which it will be experienced and whether views will be full, partial or glimpses" (GLVIA, para 6.39). Our judgement would also take into consideration the potential for, and duration of, solar reflection.
- Geographical extent: This will vary from viewpoint to viewpoint and will reflect: "the angle [orientation] of view in relation to the main activity of the receptor; the distance of the viewpoint from the proposed development; and, the extent of the area over which the changes [impacts] would be visible" (GLVIA, para 6.40).
- 1.11 Duration and reversibility of visual effects: As with landscape impacts, duration should be categorised as short, medium or long-term and projects considered to be permanent (irreversible), partially reversible or fully reversible (GLVIA, para 6.41). For the purposes of this appraisal the impacts on views of the proposed development are considered to be fully reversible.
- 1.12 The magnitude of the predicted impact has been described using criteria outlined above and Diagram 1 and detailed in methodology below. Magnitude of impact has been classified on a four-point scale (Large, Medium, Small and Negligible). The definitions of terms relating to the magnitude of impact are set out in Table 3, below.

Table 3: Example Definitions of Magnitude of Impact

Magnitude of Impact	Typical Descriptors			
	Landscape Resource	Visual Resource		
High	Total loss or addition or/very substantial loss or addition of key elements/features/patterns of the baseline i.e., pre-development landscape and/or introduction of dominant, uncharacteristic elements with the attributes of the receiving landscape.	Complete or very substantial change in view, dominant involving complete or very substantial obstruction of existing view or complete change in character and composition of baseline, e.g., through removal of key elements.		
Medium	Partial loss or addition of or moderate alteration to one or more key elements/features/patterns of the baseline i.e., pre-development landscape and/or introduction of elements that may be prominent but may not necessarily be substantially uncharacteristic with the attributes of the receiving landscape.	Moderate change in view: which may involve partial obstruction of existing view or partial change in character and composition of baseline, i.e. predevelopment view, through the introduction of new elements or removal of existing elements. Change may be prominent but would not substantially alter scale and character of the surroundings and the wider setting. Composition of the views would alter. View character may be partially changed through the introduction of features which, though uncharacteristic, may not necessarily be visually discordant.		

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Magnitude of Impact	Typical Descriptors			
	Landscape Resource	Visual Resource		
Low	Minor loss or addition of or alteration to one or more key elements/features/patterns of the baseline i.e., pre-development landscape and/or introduction of elements that may not be uncharacteristic with the surrounding landscape.	Minor change in baseline, i.e. pre- development view, – change would be distinguishable from the surroundings whilst composition and character would be similar to the pre-change circumstances.		
Negligible	Very minor loss or addition of or alteration to one or more key elements/features/patterns of the baseline i.e., pre-development landscape and/or introduction of elements that are not uncharacteristic with the surrounding landscape approximating to a 'no-change' situation.	Very slight change in baseline, i.e. pre- development view, – change barely distinguishable from the surroundings. Composition and character of view substantially unaltered.		
No Change	No loss or alteration of characteristics, features or elements; no observable impact in either direction.	No loss or alteration of characteristics, features or elements; no observable impact in either direction.		

Significance of effects

- 1.13 It is recognised that new development will lead to some landscape and visual effects. However, it should be stressed that not all landscape and visual effects arising will be significant.
- 1.14 GLVIA3 explains, at paragraph 5.55, that a staged approach can be adopted when assessing landscape significance "susceptibility to change and value can be combined into an assessment of sensitivity for each receptor, and size/scale, geographical extent and duration and reversibility can be combined into an assessment of magnitude for each effect. Magnitude and sensitivity can then be combined to assess overall significance."
- 1.15 Within this assessment, the assessment of significance has taken the following into account (as appropriate):
 - reference to regulations or standards;
 - reference to best practice guidance;
 - reference to policy objectives;
 - reference to criteria, for example designations or protection status;
 - outcomes of consultation to date; and
 - professional judgement based on local / regional / specialist experience.
- 1.16 Significance varies depending on the receptor's sensitivity and the magnitude of impact of the project. The distance to the development can be a major factor in determining the magnitude of the impact. Those resources or receptors closer to the project are likely to experience a greater significance of effects than those further away.
- 1.17 A significant effect would not necessarily mean that the effect is unacceptable in planning terms. What is important is that the likely effects of any proposal are transparently assessed and understood in order that the determining authority can bring a balanced and well-informed judgement to bear when making any decision. This judgement should be based upon weighing up the benefits of the proposal against the anticipated effects, both positive and negative.

1.18 The matrix, at Table 4, has been used to guide the assessment of effects. Where the matrix provides a choice of level of effects, e.g., Minor to Moderate, the assessor has exercised professional judgement in determining which of the levels is more appropriate.

Table 4: Assessment of Significance of Effects Matrix

Sensitivity	Magnitude of Impact				
	No Change	Negligible	Low	Medium	High
Negligible	No change	Negligible	Negligible or Minor	Negligible or Minor	Minor
Low	No change	Negligible or Minor	Negligible or Minor	Minor	Minor or Moderate
Medium	No change	Negligible or Minor	Minor	Moderate	Moderate or Major
High	No change	Minor	Minor or Moderate	Moderate or Major	Major or Substantial
Very high	No change	Minor	Moderate or Major	Major or Substantial	Substantial

1.19 The significance of effect on landscape, views and visual amenity has been described according to the five-point scale shown in the above matrix (Substantial, Major, Medium, Minor or Negligible). A description of these terms is provided in Table 5, below.

Table 5: Definitions of Significance Criteria

Magnitude	Typical Descriptors Landscape Resource	Visual Resource		
Substantial	Where proposed changes would be uncharacteristic and/or would significantly alter a landscape of exceptional landscape quality (e.g., internationally designated landscapes), or key elements known to the wider public of nationally designated landscapes (where there is no or limited potential for substitution nationally).	Where proposed changes would be uncharacteristic and/or would significantly alter a view of remarkable scenic quality, within internationally designated landscapes or key features or elements of nationally designated landscapes that are well known to the wider public.		
Major	Where proposed changes would be uncharacteristic and/or would significantly alter a valued aspect of (or a high quality) landscape.	Where proposed changes would be uncharacteristic and/or would significantly alter a valued view or a view of high scenic quality.		
Moderate	Where proposed changes would be noticeably out of scale or at odds with the character of an area.	Where proposed changes to views would be noticeably out of scale or at odds with the existing view.		
Minor	Where proposed changes would be at slight variance with the character of an area.	Where proposed changes to views, although discernible, would only be at slight variance with the existing view.		
Negligible	Where proposed changes would have an indiscernible effect on the character of an area.	Where proposed changes would have a barely noticeable effect on views/visual amenity.		
No change	No change	No change		

- 1.20 In this assessment, those effects of Moderate and below are not considered to be significant.

 Those effects to be Major and above are considered to be significant.
- 1.21 For the purposes of this assessment, those effects indicated as being of major or substantial significance, as defined in Table 5, are regarded as significant. Effects of moderate and lesser significance have been identified in the assessment but are not considered to be significant. The significance of effects for temporary changes, i.e. those during construction and decommissioning, are likely to be diminished due to their transitory nature.



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APPENDIX 5.3 LANDSCAPE AND VISUAL ASSESSMENT

Planning Policy Context

National Planning Policy Context

Planning Policy Wales (Edition 12, 2024)

- 1.1 Edition 12 of Planning Policy Wales (PPW) was published in February 2024 by Welsh Government, replacing all previous versions.
- 1.2 PPW sets out the land use planning policies of the Welsh Government. The conservation and improvement of the natural heritage of Wales is one of its objectives noting the following (paragraph 6.02 and 6.03):

"The special and unique characteristics and intrinsic qualities of the natural and built environment must be protected in their own right, for historic, scenic, aesthetic and nature conservation reasons. These features give places their unique identity and distinctiveness and provide for cultural experiences and healthy lifestyles.

As well as those characteristics regarded as special or unique there are other, environmental qualities of places which are ubiquitous. Environmental components of places, such as clean air, access to open spaces and water quality, are linked to the quality of the built and natural environment. The environmental components of places influence and shape health and wellbeing as well as playing a role in sustaining and creating places which are adaptable and resilient to change. Distinctive and Natural places must maintain or incorporate green infrastructure, recognising the wide ranging role it can play, as key components of their natural and built fabric. Doing so will maximise health and well-being of communities and the environment..".

1.3 PPW also attaches considerable importance to the benefits of good design stating (paragraph 3.10) that:

"In areas recognised for their particular landscape, townscape, cultural or historic character and value it can be appropriate to seek to promote or reinforce local distinctiveness. In those areas, the impact of development on the existing character, the scale and siting of new development, and the use of appropriate building materials (including where possible sustainably produced materials from local sources), will be particularly important."

- 1.4 In addition, PPW attaches considerable importance to the benefits of renewable energy stating (at paragraph 5.7.7 and 5.9.1) that:
 - "...benefits of renewable and low carbon energy, as part of the overall commitment to tackle the climate emergency and increase energy security, is of paramount importance... ...The planning system should: ...optimise energy storage... and ...maximise renewable and low carbon energy generation..."

"Local authorities should facilitate all forms of renewable and low carbon energy development..."



Technical Advice Note (TAN) 5: Nature Conservation and Planning (2009)

1.5 TAN 5 provides advice about how the land use planning system should contribute to protecting and enhancing biodiversity and geological conservation. This guidance note should be read in conjunction with Planning Policy Wales Edition 11, in particular with Chapter 6: Distinctive and Natural Places, which considers matters including landscaping (Page 133).

Technical Advice Note (TAN) 24: The Historic Environment (2017)

1.6 The purpose of TAN 24 is to provide guidance on how the planning system considers the historic environment during development plan preparation and decision making on planning and Listed Building (LBC) applications. This Technical Advice Note (TAN) should be read in conjunction with Planning Policy Wales (PPW).

Local Planning Policy Context

- 1.7 The following sections describe the local policies that are considered to be relevant to this assessment. The site lies within the administrative area of Wrexham County Brough Council (WCBC). The current development plan documents for this district and the planning policies of relevance for this Chapter of the Environmental Statement are contained in the following documents;
- 1.8 The Adopted Wrexham Local Development Plan (LDP) 2013-2028 includes the following relevant policies.

Table 1: Relevant Local Plan Policies

Plan Policy	Details
Wrexham Local Dev	elopment Plan (LDP) (2013-2028), Adopted December 2023
Policy SP6: Green	Within the designated green wedge areas development will only be

Wedge

permitted which accords with national planning policy.

Green wedge designations will ensure protection of the openness of the land only for the Plan period and will be reappraised as part of future Plan reviews. In this way the green wedge designations will work with the settlement boundaries (policy SP2) to allow for appropriate spatial growth in the long term.

The green wedge designations have been identified, through the Strategic Green Wedge Review (2016), only on those parts of the countryside that are considered to act as buffers between settlements to prevent settlement coalescence in areas under pressure for development. The boundaries have been carefully set to ensure that only those areas that require extra protection to prevent settlement coalescence are included. They work in conjunction with the settlement boundaries to strategically manage built form and settlement edges, assist in safeguarding the countryside from encroachment, protect the setting for the urban area and assist in urban regeneration by encouraging the reuse of derelict and other urban land.

The Plan allows for the controlled expansion on the edge of Wrexham, by virtue of the allocated Key Strategic Sites. An assessment that examined the need for green wedge identified the need to include green wedge on the edge of these sites (identified as the area between Wrexham, Bersham, and Rhostyllen, and Wrexham and Wrexham Industrial Estate). Whilst there are other policies in the Plan to control development in the countryside, it is considered important to give extra protection to the



Plan Policy Details

green wedge Green Wedges are designated between the following settlements as shown on the proposals map: i. Rossett and Pulford ii. Rossett and Marford iii. Gresford and Wrexham iv. Wrexham and Wrexham Industrial Estate v. Bradley, Rhosrobin, Gwersyllt, Broughton, and Wrexham vi. Brymbo, Broughton, and Southsea vii. Wrexham, Bersham, and Rhostyllen viii. Coedpoeth, Minera, Bwlchgwyn ix. Rhostyllen and Johnstown x. Pen-y-cae, Rhosllanerchrugog, Ruabon xi. Ruabon and Plas Madoc xii. Acrefair, Trevor, Cefn Mawr, and Froncysyllte Within the designated green wedge areas development will only be permitted which accords with national planning policy. The specific areas of countryside identified as green wedge are considered strategically important at preventing settlement coalescence and merit specific protection for this purpose. This is in line with National Planning Policy and Guidance.

Planning Policy Wales provides specific guidance on the consideration of planning applications within green wedge designated areas. It emphasises the importance of maintaining the openness of the land, provides a presumption against inappropriate development and outlines the very exceptional circumstances when other considerations outweigh the importance of protecting the openness of the land.

In order to be acceptable, extension to or replacement of an existing dwelling in the green wedge should be limited in scale and should not undermine the function of the green wedge, in particular in relation to the openness of the area.

Policy SP14: Natural Environment

Development will only be supported where it protects, conserves and enhances the natural environment including:

- Internationally protected Special Areas of Conservation, Special Protection Areas, and Ramsar Sites,
- Nationally protected Sites of Special Scientific Interest and National Nature Reserves;
- Protected Species and their habitat;
- The Clwydian Range and Dee Valley Area of Outstanding Natural Beauty including recognising the importance it has in contributing to the Outstanding Universal Value and setting of the Pontcysyllte Aqueduct and Canal World Heritage Site;
- Local Wildlife Sites including the strategic ecological network on Wrexham Industrial Estate and Regionally Important Geological Sites;
- Local Nature Reserves
- Special Landscape Areas recognised for their outstanding local landscape character;
- natural landscape features such as trees, hedges and woodland and the green networks between them which contribute to the quality and diversity of the natural environment and play an important role in mitigating the impact of climate change;
- The quality of natural services including water, air and soils
- Developing and maintaining Green Infrastructure links; and
- Habitats and species of principal importance to Wales.

Policy SP15: Historic and Cultural Environment

Development will only be supported where it conserves, protects and enhances the following cultural and heritage assets of the County Borough and, where appropriate, their settings:

i. Listed Buildings and in particular those on the Buildings at Risk Register; ii. Conservation Areas; iii. Pontcysyllte Aqueduct and Canal World Heritage Site; iv. Registered Historic Parks, Gardens and Landscapes; and v. Scheduled Ancient Monuments and Archaeological Remains.



Plan Policy	Details
Policy SP19: Green Infrastructure	Wrexham's distinctive natural heritage provides a network of green and blue infrastructure. Protection, conservation and enhancement of natural heritage networks needs to be reconciled with the benefits of development.
	Development will be required to maintain the extent, quality and connectivity of the multi-functional green infrastructure on or near a site, and, where appropriate to enhance it by:
	i. Creating new interconnected areas of green infrastructure between the proposed site and the existing network,
	ii. Filling gaps in the existing network to improve connectivity,
	iii. Protecting the features most valuable for both nature and people, and iv. In instances where loss of green infrastructure is unavoidable, provide mitigation and compe
Policy NE2: Local Designations for Nature Conservation and Geological Importance	Development which impacts on the nature conservation and/or geological importance of locally designated sites, will only be permitted in exceptional circumstances where it can be demonstrated that:
	i. there is no satisfactory alternative location for the development which avoids nature conservation impacts, and
	 ii. compensation measures are designed to ensure that there is no reduction in the overall nature or geological conservation value of the site.
Policy NE3 Trees, Woodlands and Hedgerows	Development will only be permitted where it does not cause unacceptable harm to trees, woodlands and hedgerows of significant public amenity, natural or cultural heritage value or those that provide important ecosystem services including mitigating the effects of climate change.
Policy NE5: Special Landscape Areas	Priority will be given to protecting, managing and enhancing the character and quality of the following Special Landscape Areas (SLAs) as shown on the proposals map.
	Within SLAs, development will only be permitted where proposals include measures to protect and enhance the character and quality of the particular landscape features for which the SLA has been designated having regard to:
	 i) The impact, including cumulative impact, of the proposed development on the key features, landscape character and quality of the SLA; and ii) The ability of the development to provide appropriate mitigation and enhancement measures.

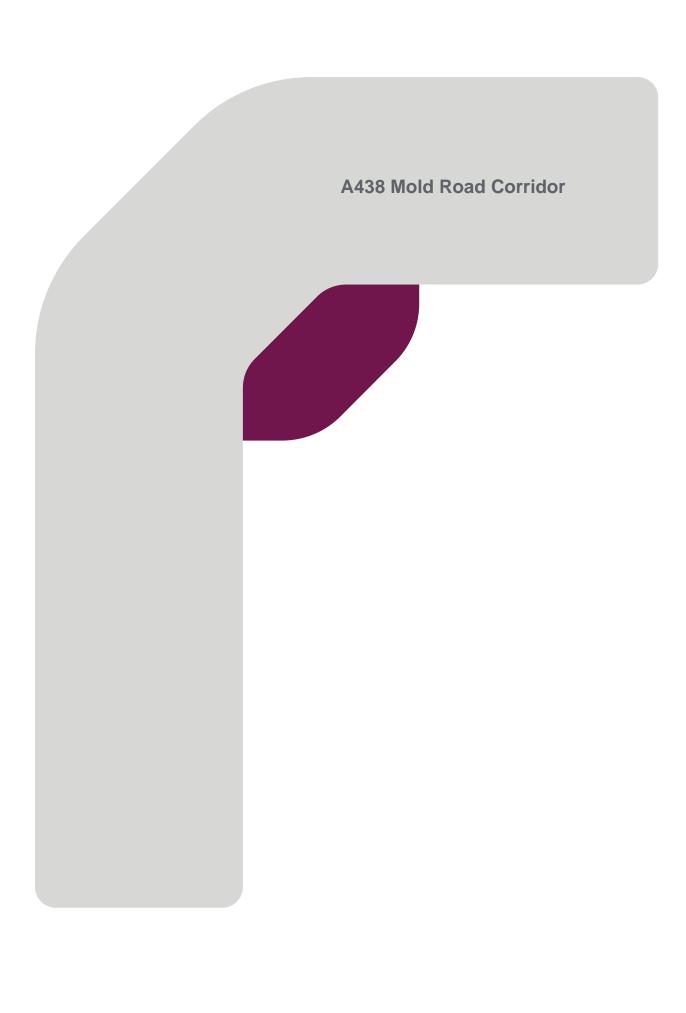




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LANDMAP Visual and Sensory Data Sheets





SURVEY DETAILS FOR WRXHMVS065 - 2023-06-19

Area Unique ID: WRXHMVS065

Aspect: Visual and Sensory

Area: A483 Mold Road Corridor

Region:Wrexham

Survey Date:2007-09-21

- Level 1: Lowland
- Level 2: Rolling Lowland
- Level 3: Open Rolling Lowland

Monitoring

Q1 - Date of monitoring?

o 2015-01-26

Q1a - Monitoring undertaken by

• Stages 1, 2 and 3 change detection and amendment completed by Simon White of White Consultants in conjunction with the local planning authority.

Q1b - Has this record been updated following monitoring work?

- This record has been updated following monitoring work, there was a real change in the aspect area
 - Boundary change to accommodate expansion of housing west of Wrexham to east and west of A483.

Q1c - Change indicated by

o OS Data, Aerial Photographs

Q1d - What has changed?

Boundaries

Q1e - Has the information ever been verified in the field?

- Yes
 - o N/A

Q2 - Does this area have a special or functional link with an adjacent area?

- Yes
 - Forms the hinterland lying around Wrexham town and its outlying urban villages

Q2a - During which season(s) was fieldwork carried out?

• Spring, Summer, Autumn and Winter

Description

Q3 - Summary Description

o The area comprises the hinterland low lying land around Wrexham town and its outlying urban villages, generally rural in nature but often with significant noise from A483, adjacent roads and the railway. the area is generally low lying open farmland with a large open field pattern with well defined hedgerow boundaries. The original rural character has been significantly weakened by urban influences with some pockets of interest. Area is classified as rolling lowland farmland but heavily influenced by the A483, Mold Road. Other roads and rail corridors subdivide the wider area, with pylons, views of housing & industry, mining & quarrying a frequent occurrence. Although relatively fragmented by development the area has not suffered as much visual degradation as the adjacent aspect area WRXHMVS038 the area is vulnerable to further fragmentation of the remaining rural areas by development and suburbanisation.

• •
Q4 - Physical Form And Elements: Topographic Form?
 Rolling/Undulating
Q5 - Physical Form And Elements: Landcover Pattern?
 Mixture
Q6 - Physical form and elements: Settlement pattern
 Mixture
Q7 - Physical form and elements: Boundary type
 Mixture
Q8 - Aesthetic Qualities: Scale?
o Medium
Q9 - Aesthetic Qualities: Sense of Enclosure?
 Enclosed
Q10 - Aesthetic Qualities: Diversity?
 Complex
Q11 - Aesthetic Qualities: Texture?
o Medium
Q12 - Aesthetic Qualities: Lines?
o Angular
Q13 - Aesthetic Qualities: Colour?
 Muted
Q14 - Aesthetic Qualities: Balance?
 Balanced
Q15 - Aesthetic Qualities: Unity?
 Neutral
Q16 - Aesthetic Qualities: Pattern?
 Organised
Q17 - Aesthetic Qualities: Seasonal Interest?

Mixed

 Constant
Q19 - Other Factors: Night Time Light Pollution?
 Question 19 night time light pollution data has been moved to question 56. Additional dark skies data is available from questions 57 and 58.
Q20 - Other Factors: Use of Construction Materials?
Generally Appropriate
Q21 - What materials? Give Details:
 Predominantly traditional red brick - some limited use of local Cefn sandstone in older buildings but rare
Q22 - There are attractive views
oout
• Generally attractive views and the focus of the viewers attention is to the west and the higher rising upland of Ruabon mountain.
Q23 - There are detractive views
owithin
 Some unattractive views of busy road corridors and into settlements fringes
Q24 - Perceptual and Other Sensory Qualities
o Settled
Q25 - What is the sense of place/local distinctiveness
o Weak
 Generally the original identity of the area has been greatly weakened by urban influences although there are pockets of local interest the wider area has no distinctive character or sense of place.
Evaluation
Q26 - Value:
 Moderate
• refer to Q.51
Q27 - Condition:
o Unassessed
Q28 - Trend:
o Declining
Recommendations
Q29 - Existing management
Generally Inappropriate
O30 - Existing management remarks:

• The area although still maintaining some rural identity is very vulnerable to fragmentation by development and suburbanisation of areas adjacent to

the settlement edge. Management at present appears standard and low key

Q18 - Other Factors: Level of Human Access?

- Q31 Principal management recommendation:
 - Enhance existing vegetation cover with a view to restoring and reinforcing adjacent field patterns where feasible. Promote habitat restoration and establishment with a view to promoting biodiversity. Standard highway management of the road corridor itself and the adjacent highway planting clearances for sightlines and minimal interference in hedgerow, woodland block planting with operational requirements taking precedence overall. Adjacent farmland is well managed in terms of maintaining field boundaries but is otherwise intensively farmed pasture and occasional arable fields Generally visually an unsatisfactory area, under pressure, and the first impression of the area around Wrexham for many visitors municipal

Q32 - Guideline

- Medium Term
 - Protect and strengthen remaining areas of countryside, including historic landscapes, promoting biodiversity and habitat creation
- Medium Term
 - Promote urban forestry to help integrate mineral/industry and other developments into countryside
- Medium Term
 - Promote and manage recreational links between urban areas and countryside
- Q33 Define the key qualities that should be conserved:
 - Rural open countryside, important green space
- Q34 Define the key qualities that should be enhanced:
 - Field pattern and restoring species diversity and age range
- Q35 Define the key qualities that should be changed:
 - Limit over expansion of settlement footprint and industrial development
- Q36 Define the key elements that should be conserved:
 - Field pattern and open space adjacent to settlement areas
- Q37 Define the key elements that should be enhanced:
 - Field boundaries and percentage of vegetation cover in rural areas to integrate settlement and development areas
- Q38 Define the key elements that should be changed:
 - Limit development and reduce expansion into surrounding countryside

Tolerance To Change

Q39 - Are there any significant threats to the current integrity and condition of the visual & sensory features of the area?

Not known

Aspect Area Boundary

Q40 - To what level was this information site-surveyed?

- Level 3
- Q41 At 1:10,000, how much of the Aspect Area boundary is precise?
 - o All
- Q42 What baseline information source was used for Aspect Area boundary mapping?
 - OS Landline
- Q43 If OS Data was used, what was the scale?
 - 1:10,000 and 1:25,000

• Lower lying land focussed upon the A483 highway corridor and that has a direct relationship visually to the road itself. Settlement fringe is the outer limit of the aspect area.

Evaluation Matrix

Q46 - Evaluation Criteria: Scenic quality

- Moderate
 - Area has been classified as Rolling lowland farmland, with medium-large sized fields with hedges, hedgerow trees, but heavily influenced by A483, Mold Road. Outer area has been further fragmented by other roads and rail corridors which subdivide area, pylons, views of housing & industry, mining & quarrying. Views are available predominantly to the west of the road but are rarely of picturesque quality or containing aesthetically pleasing or attractive elements other than at long distance level of the rising upland to the west

Q47 - Evaluation Criteria: Integrity

- Moderate
 - The nature of a road corridor means settlement and industry/commercial retail are associated within and adjacent to the transport corridor although not of large scale this development is continuous and as such further undermines the integrity of the aspect area and is often
 inharmonious in its scale, colouring and materials used. However the adjacent land is of a higher quality and standard of maintenance than the
 similar aspect area of WRXHMVS038

Q48 - Evaluation Criteria: Character

- Moderate
 - There is a relatively strong visual unity within the aspect due to the constant presence of the road corridor and the elements associated with that. However the areas and elements that may make this aspect different from other road corridors elsewhere in the study area and beyond i.e attractive views, picturesque landscape elements, varied and interesting topography are absent

Q49 - Evaluation Criteria: Rarity

- Low
 - The aspect engenders many of the visual and sensory responses of road corridors throughout the area and displays no or few features that are either rare, representative or of particular value to adjacent aspect areas or visual and sensory criteria

Q50 - Evaluation Criteria: Overall Evaluation

- Moderate
 - 1 Low and 3 Moderate = Moderate

Q51 - Justification of overall evaluation

• The aspect engenders many of the visual and sensory responses of road corridors throughout the area and displays no or few features that are either rare, representative or of particular value to adjacent aspect areas or visual and sensory criteria. There is a relatively strong visual unity within the aspect due to the constant presence of the road corridor and the elements associated with that. However the general quality of the wider rural area and standard of management is of a higher evaluation than the adjacent areas

Bibliography

Q45 - List the key sources used for this assessment

• Pre 2003 methodology LANDMAP study for WCBC

Assessment

Q52 - Additional Assessments

• None

• None

LMP 14 & 09

Q54 - LANDMAP derived landscape types (LMP14)

• Valleys, rolling and flat lowland (grassland >50%, open, <20% wooded, lacking hedgerow trees)

Q55 - LANDMAP derived landscape types (LMP09)

• Lowland open >50% grassland, <20% wooded

Dark Skies

Light Pollution Percentage

< 0.5	0.5 - 1	1 - 2	2 - 4	4 - 8	8 - 16	16 - 32	> 32
0.0	0.0	7.1	41.0	39.1	12.3	0.5	0.0

Data has been classified into eight colour bands of brightness values (nw/cm2/sr). <0.5 (darkest); 0.5 - 1; 1 - 2; 2 - 4; 4 - 8; 8 - 16; 16 - 32 and > 32 (brightest). Lower values equate to lower light pollution and darker skies. Questions 57a - 57h collectively provide colour band data by %.

Further information: <u>11365 Wales Dark Skies (arcgis.com)</u>. Green C, Manson D, Chamberlain K 2021. Tranquillity and Place - Dark Skies. NRW Report No: 514, 70pp. Data download from Lle/DataMapWales.

Data source: December 2019 composite image of monthly average night light produced by the Earth Observation Group at Colorado School of Mines. Derived from Visible Infrared Imaging Radiometer Suite (VIIRS) Day/Night Band (DNB) senor from Suomi National Polar-orbiting Partnership (Suomi NPP) satellite, National Oceanic and Atmospheric Administration (NOAA).

Light Pollution km²

< 0.5	0.5 - 1	1 - 2	2 - 4	4 - 8	8 - 16	16 - 32	> 32
0.0	0.0	0.5	2.9	2.8	0.9	0.0	0.0

Data has been classified into eight colour bands of brightness values (nw/cm2/sr). <0.5 (darkest); 0.5 - 1; 1 - 2; 2 - 4; 4 - 8; 8 - 16; 16 - 32 and > 32 (brightest). Lower values equate to lower light pollution and darker skies. Questions 58a to 58h collectively provide colour band data by km2.

Further information: <u>11365 Wales Dark Skies (arcgis.com)</u>. Green C, Manson D, Chamberlain K 2021. Tranquillity and Place – Dark Skies. NRW Report No: 514, 70pp. Data download from Lle/DataMapWales.

Data source: December 2019 composite image of monthly average night light produced by the Earth Observation Group at Colorado School of Mines. Derived from Visible Infrared Imaging Radiometer Suite (VIIRS) Day/Night Band (DNB) senor from Suomi National Polar-orbiting Partnership (Suomi NPP) satellite, National Oceanic and Atmospheric Administration (NOAA).

Q56 - Night Time Light Pollution

- Moderate
 - o Consultant led night time light pollution assessment conducted at time of survey record or survey update

Q57a - % in brightness colour band <0.5

- o 0.0
 - Data has been classified into eight colour bands of brightness values (nw/cm2/sr). <0.5 (darkest); 0.5 1; 1 2; 2 4; 4 8; 8 16; 16 32 and > 32 (brightest). Lower values equate to lower light pollution and darker skies.

Q57b - % in brightness colour band 0.5-1

o 0.0

Data has been classified into eight colour bands of brightness values (nw/cm2/sr). <0.5 (darkest); 0.5 - 1; 1 - 2; 2 - 4; 4 - 8; 8 - 16; 16 - 32 and > 32 (brightest). Lower values equate to lower light pollution and darker skies.

Q57c - % in brightness colour band 1-2

o 7.1

• Data has been classified into eight colour bands of brightness values (nw/cm2/sr). <0.5 (darkest); 0.5 - 1; 1 - 2; 2 - 4; 4 - 8; 8 - 16; 16 - 32 and > 32 (brightest). Lower values equate to lower light pollution and darker skies.

Q57d - % in brightness colour band 2-4

o 41.0

• Data has been classified into eight colour bands of brightness values (nw/cm2/sr). <0.5 (darkest); 0.5 - 1; 1 - 2; 2 - 4; 4 - 8; 8 - 16; 16 - 32 and > 32 (brightest). Lower values equate to lower light pollution and darker skies.

Q57e - % in brightness colour band 4-8

o 39.1

• Data has been classified into eight colour bands of brightness values (nw/cm2/sr). <0.5 (darkest); 0.5 - 1; 1 - 2; 2 - 4; 4 - 8; 8 - 16; 16 - 32 and > 32 (brightest). Lower values equate to lower light pollution and darker skies.

Q57f - % in brightness colour band 8-16

o 12.3

• Data has been classified into eight colour bands of brightness values (nw/cm2/sr). <0.5 (darkest); 0.5 - 1; 1 - 2; 2 - 4; 4 - 8; 8 - 16; 16 - 32 and > 32 (brightest). Lower values equate to lower light pollution and darker skies.

Q57g - % in brightness colour band 16-32

o 0.5

• Data has been classified into eight colour bands of brightness values (nw/cm2/sr). <0.5 (darkest); 0.5 - 1; 1 - 2; 2 - 4; 4 - 8; 8 - 16; 16 - 32 and > 32 (brightest). Lower values equate to lower light pollution and darker skies.

Q57h - % in brightness colour band >32

o 0.0

• Data has been classified into eight colour bands of brightness values (nw/cm2/sr). <0.5 (darkest); 0.5 - 1; 1 - 2; 2 - 4; 4 - 8; 8 - 16; 16 - 32 and > 32 (brightest). Lower values equate to lower light pollution and darker skies.

Q58a - km2 in brightness colour band <0.5

o 0.0

• Data has been classified into eight colour bands of brightness values (nw/cm2/sr). <0.5 (darkest); 0.5 - 1; 1 - 2; 2 - 4; 4 - 8; 8 - 16; 16 - 32 and > 32 (brightest). Lower values equate to lower light pollution and darker skies.

Q58b - km2 in brightness colour band 0.5-1

o 0.0

• Data has been classified into eight colour bands of brightness values (nw/cm2/sr). <0.5 (darkest); 0.5 - 1; 1 - 2; 2 - 4; 4 - 8; 8 - 16; 16 - 32 and > 32 (brightest). Lower values equate to lower light pollution and darker skies.

Q58c - km2 in brightness colour band 1-2

o 0.5

• Data has been classified into eight colour bands of brightness values (nw/cm2/sr). <0.5 (darkest); 0.5 - 1; 1 - 2; 2 - 4; 4 - 8; 8 - 16; 16 - 32 and > 32 (brightest). Lower values equate to lower light pollution and darker skies.

Q58d - km2 in brightness colour band 2-4

- o 2.9
 - Data has been classified into eight colour bands of brightness values (nw/cm2/sr). <0.5 (darkest); 0.5 1; 1 2; 2 4; 4 8; 8 16; 16 32 and > 32 (brightest). Lower values equate to lower light pollution and darker skies.

Q58e - km2 in brightness colour band 4-8

- o 2.8
 - Data has been classified into eight colour bands of brightness values (nw/cm2/sr). <0.5 (darkest); 0.5 1; 1 2; 2 4; 4 8; 8 16; 16 32 and > 32 (brightest). Lower values equate to lower light pollution and darker skies.

Q58f - km2 in brightness colour band 8-16

- o 0.9
 - Data has been classified into eight colour bands of brightness values (nw/cm2/sr). <0.5 (darkest); 0.5 1; 1 2; 2 4; 4 8; 8 16; 16 32 and > 32 (brightest). Lower values equate to lower light pollution and darker skies.

Q58g - km2 in brightness colour band 16-32

- o 0.0
 - Data has been classified into eight colour bands of brightness values (nw/cm2/sr). <0.5 (darkest); 0.5 1; 1 2; 2 4; 4 8; 8 16; 16 32 and > 32 (brightest). Lower values equate to lower light pollution and darker skies.

Q58h - km2 in brightness colour band >32

- o 0.0
 - Data has been classified into eight colour bands of brightness values (nw/cm2/sr). <0.5 (darkest); 0.5 1; 1 2; 2 4; 4 8; 8 16; 16 32 and > 32 (brightest). Lower values equate to lower light pollution and darker skies.

Tranquillity & Place

Q59a - % in visually tranquil category 1

- 0.00
 - Sourced from the nationally consistent Tranquillity & Place Visually Tranquil Areas 2022 (rural themes 1, 2 and 3 combined). The visually tranquil categories range from 1 (least visually tranquil) to 10 (most visually tranquil). For further information, t

Q59b - % in visually tranquil category 2

- o 0.00
 - Sourced from the nationally consistent Tranquillity & Place Visually Tranquil Areas 2022 (rural themes 1, 2 and 3 combined). The visually tranquil categories range from 1 (least visually tranquil) to 10 (most visually tranquil). For further information, t

Q59c - % in visually tranquil category 3

- o 0.00
 - Sourced from the nationally consistent Tranquillity & Place Visually Tranquil Areas 2022 (rural themes 1, 2 and 3 combined). The visually tranquil categories range from 1 (least visually tranquil) to 10 (most visually tranquil). For further information, t

Q59d - % in visually tranquil category 4

- o 0.71
 - Sourced from the nationally consistent Tranquillity & Place Visually Tranquil Areas 2022 (rural themes 1, 2 and 3 combined). The visually tranquil categories range from 1 (least visually tranquil) to 10 (most visually tranquil). For further information, t

Q59e - % in visually tranquil category 5

- o 22.67
 - Sourced from the nationally consistent Tranquillity & Place Visually Tranquil Areas 2022 (rural themes 1, 2 and 3 combined). The visually tranquil categories range from 1 (least visually tranquil) to 10 (most visually tranquil). For further information, t

- o 35.13
 - Sourced from the nationally consistent Tranquillity & Place Visually Tranquil Areas 2022 (rural themes 1, 2 and 3 combined). The visually tranquil categories range from 1 (least visually tranquil) to 10 (most visually tranquil). For further information, t

Q59g - % in visually tranquil category 7

- o 40.43
 - Sourced from the nationally consistent Tranquillity & Place Visually Tranquil Areas 2022 (rural themes 1, 2 and 3 combined). The visually tranquil categories range from 1 (least visually tranquil) to 10 (most visually tranquil). For further information, t

Q59h - % in visually tranquil category 8

- o 1.06
 - Sourced from the nationally consistent Tranquillity & Place Visually Tranquil Areas 2022 (rural themes 1, 2 and 3 combined). The visually tranquil categories range from 1 (least visually tranquil) to 10 (most visually tranquil). For further information, t

Q59i - % in visually tranquil category 9

- o 0.00
 - Sourced from the nationally consistent Tranquillity & Place Visually Tranquil Areas 2022 (rural themes 1, 2 and 3 combined). The visually tranquil categories range from 1 (least visually tranquil) to 10 (most visually tranquil). For further information, t

Q59j - % in visually tranquil category 10

- 0.00
 - Sourced from the nationally consistent Tranquillity & Place Visually Tranquil Areas 2022 (rural themes 1, 2 and 3 combined). The visually tranquil categories range from 1 (least visually tranquil) to 10 (most visually tranquil). For further information, t

Q59k - Data Source

Sourced from the nationally consistent Tranquillity & Place Visually Tranquil Areas 2022 (rural themes 1, 2 and 3 combined). The visually tranquil categories range from 1 (least visually tranquil) to 10 (most visually tranquil). For further information, the report and webapp, visit the Storymap available from https://storymaps.arcgis.com/stories/865c1876d9f64280a3dfc6e2769a46a5

SLAs

Q60 - Does the area overlap with Special Landscape Areas (SLA)?

No Answer

Q61 - Approximately what percentage of the area overlaps with a SLA?

No Answer

Visible Settings

Q62 - Visible settings of LANDMAP V&S areas

View a map image showing the visible setting of the area

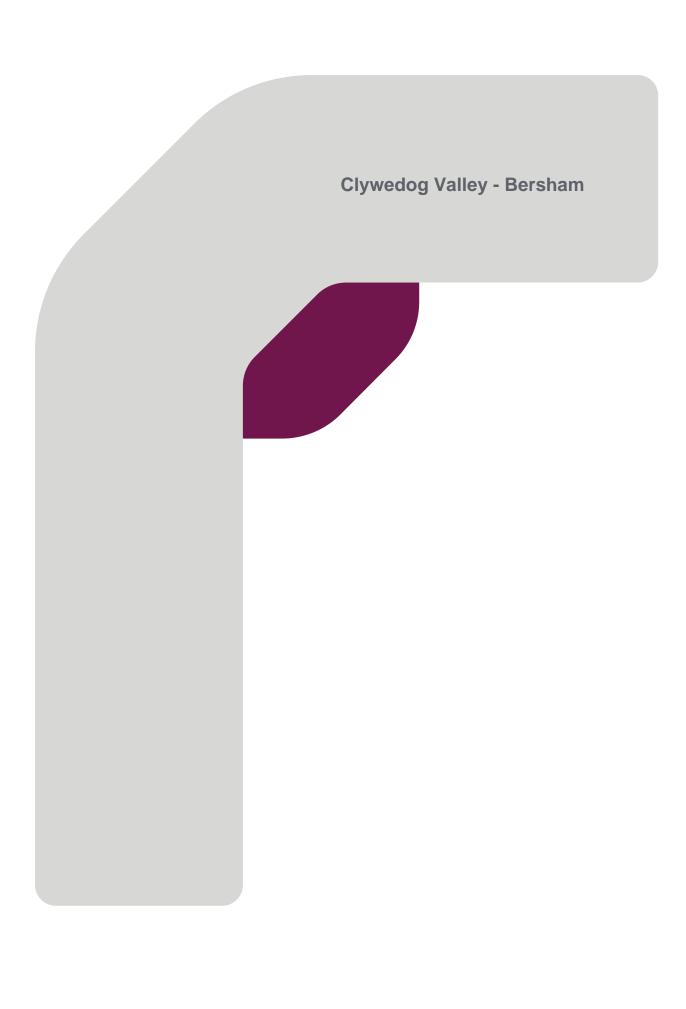
This is a Zone of Theoretical Visibility (ZTV), calculated using a 30 metre Digital Terrain Model (DTM), using multiple observer points scattered across the area, 1.5m above ground level, and taking into account the Earth's curvature. The data does not extend beyond 35km from an observer point, meaning that more distant views may also be possible.

- Read user guidance that explains the map image
- <u>Bulk download</u> the map images for Wales.
- Read a detailed technical report which explains the data calculations

- View map images showing the visible setting of each National Park and Area of Outstanding Natural Beauty.
 - These are Zones of Theoretical Visibility (ZTV), as per Q62, but applied to Designated Landscape areas. Also, for areas not visible, colour-steps show the Height of an object before it would become visible (HOBV), up to 350m high. See Q62 to access the user guidance and a technical report.

Q64 - Key views into or out from Designated Landscapes

- <u>View map images showing the ZTV and HOBV of a selection of key views for each National Park and Area of Outstanding Natural Beauty in or affecting Wales</u>
 - These are Zones of Theoretical Visibility (ZTV), as per Q62, but applied to selected key views into or out from Designated Landscapes. Also, colour-steps show the Height of an object before it would become visible (HOBV), up to 350m high. It is not an exhaustive key view list. See Q62 to access the user guidance and a technical report.





SURVEY DETAILS FOR WRXHMVS019 - 2023-06-19

Area Unique ID: WRXHMVS019

Aspect: Visual and Sensory

Area:Clywedog Valley - Bersham

Region: Wrexham

Survey Date:2007-09-21

- Level 1: Lowland
- Level 2: Lowland Valleys
- Level 3: Wooded Lowland Valleys

Monitoring

Q1 - Date of monitoring?

o 2015-02-06

Q1a - Monitoring undertaken by

• Stages 1, 2 and 3 change detection, field verification and amendment completed by White Consultants, in conjunction with the planning authority. Quality Assurance completed by Land Use Consultants.

Q1b - Has this record been updated following monitoring work?

• This record remains unchanged following monitoring work

Q1c - Change indicated by

• No Answer

Q1d - What has changed?

No Answer

Q1e - Has the information ever been verified in the field?

- Yes
 - o N/A

Q2 - Does this area have a special or functional link with an adjacent area?

- Yes
 - Functional and strong physical link as the continuation of the Upper and lower Clywedog river valley complex

Q2a - During which season(s) was fieldwork carried out?

• Summer

Description

Q3 - Summary Description

• The aspect area is a very clearly defined narrow winding river valley with a very strong wooded vegetation cover. The area has largely been restored/reclaimed from previous industrial uses with some strong evidence still remaining of its ironworking heritage. Mixed woodlands with small and intimate field parcels in open areas remnants of industrial archaeology and heritage, the area also contains some valuable recreational amenities including Clywedog Trail and associated Heritage Centre and Nant Mill visitor centre. Public access is good throughout the area and the valley forms an important green space and link for the adjacent communities. The aspect sites on the edge of Plas Power estate (to the north) and contains Bersham Conservation Area to the east. Generally due to its steep topography and vegetation cover the area feels remote from the surrounding heavily populated areas, however noise of A483 on bridge above valley can be a significant detractor.

Q4 - Physical Form And Elements: Topographic Form?
 Hills/Valleys
Q5 - Physical Form And Elements: Landcover Pattern?
 Woodland
Q6 - Physical form and elements: Settlement pattern
 Clustered
Q7 - Physical form and elements: Boundary type
 Mixture
Q8 - Aesthetic Qualities: Scale?
• Small
Q9 - Aesthetic Qualities: Sense of Enclosure?
 Enclosed
Q10 - Aesthetic Qualities: Diversity?
o Diverse
Q11 - Aesthetic Qualities: Texture?
 Coarse
Q12 - Aesthetic Qualities: Lines?
• Curved
Q13 - Aesthetic Qualities: Colour?
 Muted
Q14 - Aesthetic Qualities: Balance?
 Balanced
Q15 - Aesthetic Qualities: Unity?
 Unity
Q16 - Aesthetic Qualities: Pattern?
o Random
Q17 - Aesthetic Qualities: Seasonal Interest?

• Autumn

• Particularly in terms of Autumn leaf cover

Q18 - Other	Factors: Level of Human Access?
0	Frequent
Q19 - Other	Factors: Night Time Light Pollution?
0	Question 19 night time light pollution data has been moved to question 56. Additional dark skies data is available from questions 57 and 58.
Q20 - Other	Factors: Use of Construction Materials?
0	Generally Appropriate
Q21 - What 1	materials? Give Details:
	Generally appropriate in terms of their natural appearance i.e. wood, timber brick and stone. Buildings and clustered settlements tend to be traditional red brick some limited use of local stone.
Q22 - There	are attractive views
0	within
	 A number of attractive and aesthetically pleasing views are available from various locations throughout the wider area of wooded valley and some industrial heritage
Q23 - There	are detractive views
0	neither in or out
	o N/A
Q24 - Percep	otual and Other Sensory Qualities
0	Tranquil
0	Noisy
	• Tranquil and noisy dependant on position within the area - noise from A483 on viaduct over the valley
o	Safe
0	Remote
	 In terms of the steep wooded valley sides segregating the viewer from the surrounding settlements
0	Other
	 Interesting industrial heritage remnants
Q25 - What i	s the sense of place/local distinctiveness
o	Strong
	• A distinctive wooded valley with a very strong physical form containing an attractive winding river course. Sense of place is further emphasised by the remnant industrial heritage and the steep topography segregating the viewer from the adjacent heavily populated areas.
Evalua	ation
Q26 - Value:	
0	Moderate
	• Refer to Q.51
Q27 - Condit	tion:
0	Unassessed
Q28 - Trend:	
0	Constant

Recommendations

Q29 - Existing management

Generally Appropriate

Q30 - Existing management remarks:

Management appears relatively stable in terms of displaying a good age range of mixed deciduous woodland. Access is good for local communities
and appears to be being maintained.

Q31 - Principal management recommendation:

• Maintain as existing. With a view to further introducing biodiversity and encouraging species diversity of British native plant stock. ensure good access is maintained with local adjacent communities.

Q32 - Guideline

- Long Term
 - Restore and enhance natural and built heritage within woodland setting
- Medium Term
 - Improve age range and species mix of woodland emphasis on British Native species
- Long Term
 - Encourage sensitive development of recreational potential, avoid intrusive or unsympathetic development. Aim to maintain as an important green space resource for local communities
- Immediate
 - Follow recommendations of Bersham Conservation Area appraisal.

Q33 - Define the key qualities that should be conserved:

• Mixed woodland cover with good access links to local communities

Q34 - Define the key qualities that should be enhanced:

• Woodland composition - improving age range and species mix (British Native)

Q35 - Define the key qualities that should be changed:

• Limit intrusive or unsympathetic development

Q36 - Define the key elements that should be conserved:

• Woodland cover and attractive winding river course with important industrial heritage

Q37 - Define the key elements that should be enhanced:

• Public access and sensitive recreational development

Q38 - Define the key elements that should be changed:

• None

Tolerance To Change

Q39 - Are there any significant threats to the current integrity and condition of the visual & sensory features of the area?

• Not known

Aspect Area Boundary

Q40 - To what level was this information site-surveyed?

• Level 3

Q41 - At 1:10,000, how much of the Aspect Area boundary is precise?

• All

Q42 - What baseline information source was used for Aspect Area boundary mapping?

OS Landline

Q43 - If OS Data was used, what was the scale?

• 1:10,000 and 1:25,000

Q44 - What is the justification for the Aspect Area boundaries?

• Clearly defined and attractive wooded river valley. Vegetation cover and percentage of settlement is sharply contrasting with adjacent areas and aids the strong sense of place of the aspect area

Evaluation Matrix

Q46 - Evaluation Criteria: Scenic quality

- Moderate
 - A number of attractive and aesthetically pleasing views are available from various locations throughout the wider area of wooded valley and some industrial heritage. Views are easily accessible and often focus upon the attractive winding river course framed by mature mixed woodland. Some visual detractors are present in the form of busy road corridors - A483 and the closely adjacent settlements on the valleys upper slopes

Q47 - Evaluation Criteria: Integrity

- Moderate
 - Generally the area is unspoilt by large scale or intrusive development but the close proximity of settlements on the upper valley slopes and the busy nature of the A483 corridor has slightly degraded the overall integrity of the aspect area

Q48 - Evaluation Criteria: Character

- High
 - Attractive and well wooded river valley with a number of easily accessible views and acting as a valuable recreational resource for the adjacent settlements. The vegetation cover and topographic form of the valley provide a clear visual unity for the area and emphasises the sense of place.

Q49 - Evaluation Criteria: Rarity

- Moderate
 - Attractive winding and wooded river valley displaying an interesting mix of varied woodland, industrial heritage and some aesthetically pleasing an attractively composed views that are easily accessible to the adjacent local communities. Of high local value especially to the adjacent local communities but of moderate value at a regional scale as such features are found elsewhere within the study.

Q50 - Evaluation Criteria: Overall Evaluation

- Moderate
 - 3 Moderate, 1 High = Moderate

• Attractive winding and wooded river valley displaying an interesting mix of varied woodland, industrial heritage and some aesthetically pleasing an attractively composed views that are easily accessible to the adjacent local communities. Of high local value especially to the adjacent local communities. Generally the area is unspoilt by large scale or intrusive development but the close proximity of settlements on the upper valley slopes and the busy nature of the A483 corridor has slightly degraded the overall integrity of the aspect area. However the attractive nature of the valley complex - well wooded, steep sided river valley with an interesting range of industrial archaeology and heritage that together with the easy access for adjacent communities contribute towards giving the area an overall evaluation of Moderate.

Bibliography

Q45 - List the key sources used for this assessment

• Pre 2003 methodology LANDMAP Study for WCBC

Assessment

Q52 - Additional Assessments

• None

Q53 - Additional Comments

None

LMP 14 & 09

Q54 - LANDMAP derived landscape types (LMP14)

• Valleys, rolling and flat lowland (wooded >50%)

Q55 - LANDMAP derived landscape types (LMP09)

• Lowland mosaic >20% wooded

Dark Skies

Light Pollution Percentage

< 0.5	0.5 - 1	1 - 2	2 - 4	4 - 8	8 - 16	16 - 32	> 32
0.0	2.5	59.7	25.7	12.1	0.0	0.0	0.0

Data has been classified into eight colour bands of brightness values (nw/cm2/sr). <0.5 (darkest); 0.5 - 1; 1 - 2; 2 - 4; 4 - 8; 8 - 16; 16 - 32 and > 32 (brightest). Lower values equate to lower light pollution and darker skies. Questions 57a - 57h collectively provide colour band data by %.

Further information: <u>11365 Wales Dark Skies (arcgis.com)</u>. Green C, Manson D, Chamberlain K 2021. Tranquillity and Place - Dark Skies. NRW Report No: 514, 70pp. Data download from Lle/DataMapWales.

Data source: December 2019 composite image of monthly average night light produced by the Earth Observation Group at Colorado School of Mines. Derived from Visible Infrared Imaging Radiometer Suite (VIIRS) Day/Night Band (DNB) senor from Suomi National Polar-orbiting Partnership (Suomi NPP) satellite, National Oceanic and Atmospheric Administration (NOAA).

Light Pollution km²

< 0.5	0.5 - 1	1 - 2	2 - 4	4 - 8	8 - 16	16 - 32	> 32
0.0	0.0	0.7	0.3	0.1	0.0	0.0	0.0

Data has been classified into eight colour bands of brightness values (nw/cm2/sr). <0.5 (darkest); 0.5 - 1; 1 - 2; 2 - 4; 4 - 8; 8 - 16; 16 - 32 and > 32 (brightest). Lower values equate to lower light pollution and darker skies. Questions 58a to 58h collectively provide colour band data by km2.

Further information: <u>11365 Wales Dark Skies (arcgis.com)</u>. Green C, Manson D, Chamberlain K 2021. Tranquillity and Place – Dark Skies. NRW Report No: 514, 70pp. Data download from Lle/DataMapWales.

Data source: December 2019 composite image of monthly average night light produced by the Earth Observation Group at Colorado School of Mines. Derived from Visible Infrared Imaging Radiometer Suite (VIIRS) Day/Night Band (DNB) senor from Suomi National Polar-orbiting Partnership (Suomi NPP) satellite, National Oceanic and Atmospheric Administration (NOAA).

Q56 - Night Time Light Pollution

- Moderate
 - Consultant led night time light pollution assessment conducted at time of survey record or survey update

Q57a - % in brightness colour band <0.5

- o 0.0
 - Data has been classified into eight colour bands of brightness values (nw/cm2/sr). <0.5 (darkest); 0.5 1; 1 2; 2 4; 4 8; 8 16; 16 32 and > 32 (brightest). Lower values equate to lower light pollution and darker skies.

Q57b - % in brightness colour band 0.5-1

- o 2.5
 - Data has been classified into eight colour bands of brightness values (nw/cm2/sr). <0.5 (darkest); 0.5 1; 1 2; 2 4; 4 8; 8 16; 16 32 and > 32 (brightest). Lower values equate to lower light pollution and darker skies.

Q57c - % in brightness colour band 1-2

- o 59.7
 - Data has been classified into eight colour bands of brightness values (nw/cm2/sr). <0.5 (darkest); 0.5 1; 1 2; 2 4; 4 8; 8 16; 16 32 and > 32 (brightest). Lower values equate to lower light pollution and darker skies.

Q57d - % in brightness colour band 2-4

- o 25.7
 - Data has been classified into eight colour bands of brightness values (nw/cm2/sr). <0.5 (darkest); 0.5 1; 1 2; 2 4; 4 8; 8 16; 16 32 and > 32 (brightest). Lower values equate to lower light pollution and darker skies.

Q57e - % in brightness colour band 4-8

- o 12.1
 - Data has been classified into eight colour bands of brightness values (nw/cm2/sr). <0.5 (darkest); 0.5 1; 1 2; 2 4; 4 8; 8 16; 16 32 and > 32 (brightest). Lower values equate to lower light pollution and darker skies.

Q57f - % in brightness colour band 8-16

- o 0.0
 - Data has been classified into eight colour bands of brightness values (nw/cm2/sr). <0.5 (darkest); 0.5 1; 1 2; 2 4; 4 8; 8 16; 16 32 and > 32 (brightest). Lower values equate to lower light pollution and darker skies.

Q57g - % in brightness colour band 16-32

- o 0.0
 - Data has been classified into eight colour bands of brightness values (nw/cm2/sr). <0.5 (darkest); 0.5 1; 1 2; 2 4; 4 8; 8 16; 16 32 and > 32 (brightest). Lower values equate to lower light pollution and darker skies.

Q57h - % in brightness colour band >32

- o 0.0
 - Data has been classified into eight colour bands of brightness values (nw/cm2/sr). <0.5 (darkest); 0.5 1; 1 2; 2 4; 4 8; 8 16; 16 32 and > 32 (brightest). Lower values equate to lower light pollution and darker skies.

Q58a - km2 in brightness colour band <0.5

- o 0.0
 - Data has been classified into eight colour bands of brightness values (nw/cm2/sr). <0.5 (darkest); 0.5 1; 1 2; 2 4; 4 8; 8 16; 16 32 and > 32 (brightest). Lower values equate to lower light pollution and darker skies.

Q58b - km2 in brightness colour band 0.5-1

- o 0.0
 - Data has been classified into eight colour bands of brightness values (nw/cm2/sr). <0.5 (darkest); 0.5 1; 1 2; 2 4; 4 8; 8 16; 16 32 and > 32 (brightest). Lower values equate to lower light pollution and darker skies.

Q58c - km2 in brightness colour band 1-2

- o 0.7
 - Data has been classified into eight colour bands of brightness values (nw/cm2/sr). <0.5 (darkest); 0.5 1; 1 2; 2 4; 4 8; 8 16; 16 32 and > 32 (brightest). Lower values equate to lower light pollution and darker skies.

Q58d - km2 in brightness colour band 2-4

- o 0.3
 - Data has been classified into eight colour bands of brightness values (nw/cm2/sr). <0.5 (darkest); 0.5 1; 1 2; 2 4; 4 8; 8 16; 16 32 and > 32 (brightest). Lower values equate to lower light pollution and darker skies.

Q58e - km2 in brightness colour band 4-8

- o 0.1
 - Data has been classified into eight colour bands of brightness values (nw/cm2/sr). <0.5 (darkest); 0.5 1; 1 2; 2 4; 4 8; 8 16; 16 32 and > 32 (brightest). Lower values equate to lower light pollution and darker skies.

Q58f - km2 in brightness colour band 8-16

- o 0.0
 - Data has been classified into eight colour bands of brightness values (nw/cm2/sr). <0.5 (darkest); 0.5 1; 1 2; 2 4; 4 8; 8 16; 16 32 and > 32 (brightest). Lower values equate to lower light pollution and darker skies.

Q58g - km2 in brightness colour band 16-32

- o 0.0
 - Data has been classified into eight colour bands of brightness values (nw/cm2/sr). <0.5 (darkest); 0.5 1; 1 2; 2 4; 4 8; 8 16; 16 32 and > 32 (brightest). Lower values equate to lower light pollution and darker skies.

Q58h - km2 in brightness colour band >32

- o 0.0
 - Data has been classified into eight colour bands of brightness values (nw/cm2/sr). <0.5 (darkest); 0.5 1; 1 2; 2 4; 4 8; 8 16; 16 32 and > 32 (brightest). Lower values equate to lower light pollution and darker skies.

Tranquillity & Place

Q59a - % in visually tranquil category 1

- o 0.00
 - Sourced from the nationally consistent Tranquillity & Place Visually Tranquil Areas 2022 (rural themes 1, 2 and 3 combined). The visually tranquil categories range from 1 (least visually tranquil) to 10 (most visually tranquil). For further information, t

Q59b - % in visually tranquil category 2

- o 0.00
 - Sourced from the nationally consistent Tranquillity & Place Visually Tranquil Areas 2022 (rural themes 1, 2 and 3 combined). The visually tranquil categories range from 1 (least visually tranquil) to 10 (most visually tranquil). For further information, t

Q59c - % in visually tranquil category 3

- o 0.00
 - Sourced from the nationally consistent Tranquillity & Place Visually Tranquil Areas 2022 (rural themes 1, 2 and 3 combined). The visually tranquil categories range from 1 (least visually tranquil) to 10 (most visually tranquil). For further information, t

Q59d - % in visually tranquil category 4

- o 0.00
 - Sourced from the nationally consistent Tranquillity & Place Visually Tranquil Areas 2022 (rural themes 1, 2 and 3 combined). The visually tranquil categories range from 1 (least visually tranquil) to 10 (most visually tranquil). For further information, t

Q59e - % in visually tranquil category 5

- o 1.36
 - Sourced from the nationally consistent Tranquillity & Place Visually Tranquil Areas 2022 (rural themes 1, 2 and 3 combined). The visually tranquil categories range from 1 (least visually tranquil) to 10 (most visually tranquil). For further information, t

Q59f - % in visually tranquil category 6

- o 7.26
 - Sourced from the nationally consistent Tranquillity & Place Visually Tranquil Areas 2022 (rural themes 1, 2 and 3 combined). The visually tranquil categories range from 1 (least visually tranquil) to 10 (most visually tranquil). For further information, t

Q59g - % in visually tranquil category 7

- o 51.02
 - Sourced from the nationally consistent Tranquillity & Place Visually Tranquil Areas 2022 (rural themes 1, 2 and 3 combined). The visually tranquil categories range from 1 (least visually tranquil) to 10 (most visually tranquil). For further information, t

Q59h - % in visually tranquil category 8

- o 39.00
 - Sourced from the nationally consistent Tranquillity & Place Visually Tranquil Areas 2022 (rural themes 1, 2 and 3 combined). The visually tranquil categories range from 1 (least visually tranquil) to 10 (most visually tranquil). For further information, t

Q59i - % in visually tranquil category 9

- o 1.36
 - Sourced from the nationally consistent Tranquillity & Place Visually Tranquil Areas 2022 (rural themes 1, 2 and 3 combined). The visually tranquil categories range from 1 (least visually tranquil) to 10 (most visually tranquil). For further information, t

Q59j - % in visually tranquil category 10

- 0.00
 - Sourced from the nationally consistent Tranquillity & Place Visually Tranquil Areas 2022 (rural themes 1, 2 and 3 combined). The visually tranquil categories range from 1 (least visually tranquil) to 10 (most visually tranquil). For further information, t

Q59k - Data Source

• Sourced from the nationally consistent Tranquillity & Place Visually Tranquil Areas 2022 (rural themes 1, 2 and 3 combined). The visually tranquil categories range from 1 (least visually tranquil) to 10 (most visually tranquil). For further information, the report and webapp, visit the Storymap available from https://storymaps.arcgis.com/stories/865c1876d9f64280a3dfc6e2769a46a5

SLAs

Q60 - Does the area overlap with Special Landscape Areas (SLA)?

No Answer

Q61 - Approximately what percentage of the area overlaps with a SLA?

No Answer

Visible Settings

Q62 - Visible settings of LANDMAP V&S areas

View a map image showing the visible setting of the area

This is a Zone of Theoretical Visibility (ZTV), calculated using a 30 metre Digital Terrain Model (DTM), using multiple observer points scattered across the area, 1.5m above ground level, and taking into account the Earth's curvature. The data does not extend beyond 35km from an observer point, meaning that more distant views may also be possible.

- Read user guidance that explains the map image
- Bulk download the map images for Wales.
- Read a detailed technical report which explains the data calculations

Q63 - Visible Settings of Designated Landscapes

- View map images showing the visible setting of each National Park and Area of Outstanding Natural Beauty.
 - These are Zones of Theoretical Visibility (ZTV), as per Q62, but applied to Designated Landscape areas. Also, for areas not visible, colour-steps show the Height of an object before it would become visible (HOBV), up to 350m high. See Q62 to access the user guidance and a technical report.

Q64 - Key views into or out from Designated Landscapes

- <u>View map images showing the ZTV and HOBV of a selection of key views for each National Park and Area of Outstanding Natural Beauty in or affecting Wales</u>
 - These are Zones of Theoretical Visibility (ZTV), as per Q62, but applied to selected key views into or out from Designated Landscapes. Also, colour-steps show the Height of an object before it would become visible (HOBV), up to 350m high. It is not an exhaustive key view list. See Q62 to access the user guidance and a technical report.





SURVEY DETAILS FOR WRXHMVS082 - 2023-06-19

Area Unique ID: WRXHMVS082

Aspect: Visual and Sensory

Area:Plas Power Park

Region: Wrexham

Survey Date:2008-02-05

- Level 1: Lowland
- Level 2: Rolling Lowland
- Level 3: Open Rolling Lowland

Monitoring

Q1 - Date of monitoring?

o 2015-02-06

Q1a - Monitoring undertaken by

• Stages 1, 2 and 3 change detection, field verification and amendment completed by White Consultants, in conjunction with the planning authority. Quality Assurance completed by Land Use Consultants.

Q1b - Has this record been updated following monitoring work?

• This record remains unchanged following monitoring work

Q1c - Change indicated by

• No Answer

Q1d - What has changed?

No Answer

Q1e - Has the information ever been verified in the field?

- Yes
 - o N/A

Q2 - Does this area have a special or functional link with an adjacent area?

- Yes
 - Physical links via footpath and visual link with adjacent Clywedog Valley

Q2a - During which season(s) was fieldwork carried out?

• Winter

Description

Q3 - Summary Description

o A relatively small aspect area that comprises in the main part the remnants of Plas Power Estate. The area is distinct from the surrounding areas to the north in its physical separation of the estate through the presence of high stone estate walls, however the estate itself has been long neglected and the area to the east has been reclaimed following mining activities and has lost much of the original landscape structure of the formal park. The remaining area still has elements of formal landscape features specimen trees, mixed deciduous woodland and some limited evidence of driveway/avenues and the former kitchen garden. The key feature of the area in terms of landscape elements is the clearly defined earthwork of Offas Dyke which forms the western boundary of the aspect. The area provides an important green link between the adjacent Clywedog Valley and settlements at Coedpoeth and Tanyfron / Brynteg. Due to the close proximity of settlements and industry the area is under pressure from recreation and development expansion.

and development expansion.
Q4 - Physical Form And Elements: Topographic Form?
 Rolling/Undulating
Q5 - Physical Form And Elements: Landcover Pattern?
 Mixture
Q6 - Physical form and elements: Settlement pattern
 No settlements
Q7 - Physical form and elements: Boundary type
 Stone Walls
Q8 - Aesthetic Qualities: Scale?
o Medium
Q9 - Aesthetic Qualities: Sense of Enclosure?
 Enclosed
Q10 - Aesthetic Qualities: Diversity?
o Simple
Q11 - Aesthetic Qualities: Texture?
o Medium
Q12 - Aesthetic Qualities: Lines?
 Straight
Q13 - Aesthetic Qualities: Colour?
 Muted
Q14 - Aesthetic Qualities: Balance?
 Balanced
Q15 - Aesthetic Qualities: Unity?
 Neutral

Mixed

Q16 - Aesthetic Qualities: Pattern?

Q17 - Aesthetic Qualities: Seasonal Interest?

• Regular

Q18 - Other Factors: Level of Human Access?
 Infrequent
Q19 - Other Factors: Night Time Light Pollution?
 Question 19 night time light pollution data has been moved to question 56. Additional dark skies data is available from questions 57 and 58.
Q20 - Other Factors: Use of Construction Materials?
 Generally Appropriate
Q21 - What materials? Give Details:
 Some use of Cefn sandstone in the stone boundaries walls
Q22 - There are attractive views
oout
 Especially to the south over and into the Clywedog Valley
Q23 - There are detractive views
oout
 Of dense settlement areas to the east and north of the area
Q24 - Perceptual and Other Sensory Qualities
o Tranquil
 Certainly in terms of the adjacent areas. Estate walls enclose the former estate and provide a element of separation and tranquility
Q25 - What is the sense of place/local distinctiveness
 Moderate
• Elements of former landscape features create a relatively distinct sense of place separate from the surrounding areas
Evaluation
Q26 - Value:
 Moderate
• Refer to Q.51
Q27 - Condition:
 Unassessed
Q28 - Trend:
 Constant
Recommendations
Q29 - Existing management
 Generally Appropriate
Q30 - Existing management remarks:

• Generally appropriate but requires greater management in terms of enhancing biodiversity and restoring historic landscape elements to improve

overall appearance

- Q31 Principal management recommendation:

 Restore historic landscape character through re-establishing landscape elements and improve biodiversity
- Q32 Guideline
 - Medium Term
 - Improve biodiversity through introduction of British native species and introducing woodland planting and reinforcing field boundaries
 - Immediate
 - Improve green links with adjacent settlements and Clywedog Valley
 - Medium Term
 - Enhance and interpret cultural heritage
- Q33 Define the key qualities that should be conserved:
 - Open green space with good public access
- Q34 Define the key qualities that should be enhanced:
 - Re-establish historic landscape elements and improve biodiversity of existing woodland and field boundaries
- Q35 Define the key qualities that should be changed:
 - Improve management of remnant historic park to improve overall quality
- Q36 Define the key elements that should be conserved:
 - Remnant historic landscape elements
- Q37 Define the key elements that should be enhanced:
 - Biodiversity and introduction of British native species
- Q38 Define the key elements that should be changed:
 - None

Tolerance To Change

Q39 - Are there any significant threats to the current integrity and condition of the visual & sensory features of the area?

• Not known

Aspect Area Boundary

Q40 - To what level was this information site-surveyed?

• Level 3

Q41 - At 1:10,000, how much of the Aspect Area boundary is precise?

o All

Q42 - What baseline information source was used for Aspect Area boundary mapping?

OS Landline

Q43 - If OS Data was used, what was the scale?

• 1:10,000 and 1:25,000

• Distinctive area that has a number of historic elements that provide a valuable and relatively attractive character of higher quality than the area to the north

Evaluation Matrix

Q46 - Evaluation Criteria: Scenic quality

- Moderate
 - Scenic quality it considered to be Moderate/Low there is are a number of relatively attractive aesthetically pleasing views largely based upon the remnants of the historic landscape park. However the area has been badly neglected and much of the former character has been degraded.

Q47 - Evaluation Criteria: Integrity

- Moderate
 - The area has no large scale or visually intrusive development within the area however the adjacent large settlement areas of Coedpoeth and Tanyfron/Brynteg are evident through nighttime light pollution and distant noise traffic etc.

Q48 - Evaluation Criteria: Character

- Moderate
 - Elements of the former historic landscape park are still evident and the perimeter stone walls are attractive and emphasise the overall character of the area. Generally, although degraded through long term neglect and post mining restoration, the area has a tranquility and relative calm compared to the northern settlement areas and farmland. The visual unity of the area is further emphasised by the perimeter stone boundary walls.

Q49 - Evaluation Criteria: Rarity

- Low
 - The qualities and landscape features still present within the aspect are not uncommon in terms of the overall study area and areas of higher quality and in better condition are found elsewhere, hence the Low evaluation

Q50 - Evaluation Criteria: Overall Evaluation

- Moderate
 - 3 Moderate and 1 Low = Moderate overall

Q51 - Justification of overall evaluation

• Elements of the former historic landscape park are still evident and the perimeter stone walls are attractive and emphasise the overall character of the area. Generally, although degraded through long term neglect and post mining restoration, the area has a tranquility and relative calm compared to the northern settlement areas and farmland. The qualities and landscape features still present within the aspect are not uncommon in terms of the overall study area and areas of higher quality and in better condition are found elsewhere, furthermore the adjacent large settlement areas of Coedpoeth and Tanyfron/Brynteg are evident through nighttime light pollution and distant noise - traffic etc. The area however is an important green space and interface between the settlements to the north and the wooded Clywedog Valley to the south and is therefore to be considered to be of Moderate value.

Bibliography

Q45 - List the key sources used for this assessment

• Pre 2003 methodology LANDMAP study for Wrexham CBC

Assessment

Q52 - Additional Assessments

• None

• None

LMP 14 & 09

Q54 - LANDMAP derived landscape types (LMP14)

• Valleys, rolling and flat lowland (grassland >50%, open, <20% wooded, lacking hedgerow trees)

Q55 - LANDMAP derived landscape types (LMP09)

• Lowland open >50% grassland, <20% wooded

Dark Skies

Light Pollution Percentage

< 0.5	0.5 - 1	1 - 2	2 - 4	4 - 8	8 - 16	16 - 32	> 32
0.0	0.0	92.5	7.5	0.0	0.0	0.0	0.0

Data has been classified into eight colour bands of brightness values (nw/cm2/sr). <0.5 (darkest); 0.5 - 1; 1 - 2; 2 - 4; 4 - 8; 8 - 16; 16 - 32 and > 32 (brightest). Lower values equate to lower light pollution and darker skies. Questions 57a - 57h collectively provide colour band data by %.

Further information: <u>11365 Wales Dark Skies (arcgis.com)</u>. Green C, Manson D, Chamberlain K 2021. Tranquillity and Place - Dark Skies. NRW Report No: 514, 70pp. Data download from Lle/DataMapWales.

Data source: December 2019 composite image of monthly average night light produced by the Earth Observation Group at Colorado School of Mines. Derived from Visible Infrared Imaging Radiometer Suite (VIIRS) Day/Night Band (DNB) senor from Suomi National Polar-orbiting Partnership (Suomi NPP) satellite, National Oceanic and Atmospheric Administration (NOAA).

Light Pollution km²

< 0.5	0.5 - 1	1 - 2	2 - 4	4 - 8	8 - 16	16 - 32	> 32
0.0	0.0	1.1	0.1	0.0	0.0	0.0	0.0

Data has been classified into eight colour bands of brightness values (nw/cm2/sr). <0.5 (darkest); 0.5 - 1; 1 - 2; 2 - 4; 4 - 8; 8 - 16; 16 - 32 and > 32 (brightest). Lower values equate to lower light pollution and darker skies. Questions 58a to 58h collectively provide colour band data by km2.

Further information: <u>11365 Wales Dark Skies (arcgis.com)</u>. Green C, Manson D, Chamberlain K 2021. Tranquillity and Place – Dark Skies. NRW Report No: 514, 70pp. Data download from Lle/DataMapWales.

Data source: December 2019 composite image of monthly average night light produced by the Earth Observation Group at Colorado School of Mines. Derived from Visible Infrared Imaging Radiometer Suite (VIIRS) Day/Night Band (DNB) senor from Suomi National Polar-orbiting Partnership (Suomi NPP) satellite, National Oceanic and Atmospheric Administration (NOAA).

Q56 - Night Time Light Pollution

- Slight
 - Some inherited light pollution from the adjacent settlement areas to the east and north Consultant led night time light pollution assessment conducted at time of survey record or survey update

Q57a - % in brightness colour band <0.5

- o 0.0
 - Data has been classified into eight colour bands of brightness values (nw/cm2/sr). <0.5 (darkest); 0.5 1; 1 2; 2 4; 4 8; 8 16; 16 32 and > 32 (brightest). Lower values equate to lower light pollution and darker skies.

Q57b - % in brightness colour band 0.5-1

o 0.0

Data has been classified into eight colour bands of brightness values (nw/cm2/sr). <0.5 (darkest); 0.5 - 1; 1 - 2; 2 - 4; 4 - 8; 8 - 16; 16 - 32 and > 32 (brightest). Lower values equate to lower light pollution and darker skies.

Q57c - % in brightness colour band 1-2

o 92.5

Data has been classified into eight colour bands of brightness values (nw/cm2/sr). <0.5 (darkest); 0.5 - 1; 1 - 2; 2 - 4; 4 - 8; 8 - 16; 16 - 32 and > 32 (brightest). Lower values equate to lower light pollution and darker skies.

Q57d - % in brightness colour band 2-4

o 7.5

• Data has been classified into eight colour bands of brightness values (nw/cm2/sr). <0.5 (darkest); 0.5 - 1; 1 - 2; 2 - 4; 4 - 8; 8 - 16; 16 - 32 and > 32 (brightest). Lower values equate to lower light pollution and darker skies.

Q57e - % in brightness colour band 4-8

o 0.0

• Data has been classified into eight colour bands of brightness values (nw/cm2/sr). <0.5 (darkest); 0.5 - 1; 1 - 2; 2 - 4; 4 - 8; 8 - 16; 16 - 32 and > 32 (brightest). Lower values equate to lower light pollution and darker skies.

Q57f - % in brightness colour band 8-16

o 0.0

• Data has been classified into eight colour bands of brightness values (nw/cm2/sr). <0.5 (darkest); 0.5 - 1; 1 - 2; 2 - 4; 4 - 8; 8 - 16; 16 - 32 and > 32 (brightest). Lower values equate to lower light pollution and darker skies.

Q57g - % in brightness colour band 16-32

o 0.0

• Data has been classified into eight colour bands of brightness values (nw/cm2/sr). <0.5 (darkest); 0.5 - 1; 1 - 2; 2 - 4; 4 - 8; 8 - 16; 16 - 32 and > 32 (brightest). Lower values equate to lower light pollution and darker skies.

Q57h - % in brightness colour band >32

o 0.0

• Data has been classified into eight colour bands of brightness values (nw/cm2/sr). <0.5 (darkest); 0.5 - 1; 1 - 2; 2 - 4; 4 - 8; 8 - 16; 16 - 32 and > 32 (brightest). Lower values equate to lower light pollution and darker skies.

Q58a - km2 in brightness colour band <0.5

o 0.0

• Data has been classified into eight colour bands of brightness values (nw/cm2/sr). <0.5 (darkest); 0.5 - 1; 1 - 2; 2 - 4; 4 - 8; 8 - 16; 16 - 32 and > 32 (brightest). Lower values equate to lower light pollution and darker skies.

Q58b - km2 in brightness colour band 0.5-1

o 0.0

• Data has been classified into eight colour bands of brightness values (nw/cm2/sr). <0.5 (darkest); 0.5 - 1; 1 - 2; 2 - 4; 4 - 8; 8 - 16; 16 - 32 and > 32 (brightest). Lower values equate to lower light pollution and darker skies.

Q58c - km2 in brightness colour band 1-2

o 1.1

• Data has been classified into eight colour bands of brightness values (nw/cm2/sr). <0.5 (darkest); 0.5 - 1; 1 - 2; 2 - 4; 4 - 8; 8 - 16; 16 - 32 and > 32 (brightest). Lower values equate to lower light pollution and darker skies.

Q58d - km2 in brightness colour band 2-4

- o 0.1
 - Data has been classified into eight colour bands of brightness values (nw/cm2/sr). <0.5 (darkest); 0.5 1; 1 2; 2 4; 4 8; 8 16; 16 32 and > 32 (brightest). Lower values equate to lower light pollution and darker skies.

Q58e - km2 in brightness colour band 4-8

- o 0.0
 - Data has been classified into eight colour bands of brightness values (nw/cm2/sr). <0.5 (darkest); 0.5 1; 1 2; 2 4; 4 8; 8 16; 16 32 and > 32 (brightest). Lower values equate to lower light pollution and darker skies.

Q58f - km2 in brightness colour band 8-16

- o 0.0
 - Data has been classified into eight colour bands of brightness values (nw/cm2/sr). <0.5 (darkest); 0.5 1; 1 2; 2 4; 4 8; 8 16; 16 32 and > 32 (brightest). Lower values equate to lower light pollution and darker skies.

Q58g - km2 in brightness colour band 16-32

- o 0.0
 - Data has been classified into eight colour bands of brightness values (nw/cm2/sr). <0.5 (darkest); 0.5 1; 1 2; 2 4; 4 8; 8 16; 16 32 and > 32 (brightest). Lower values equate to lower light pollution and darker skies.

Q58h - km2 in brightness colour band >32

- o 0.0
 - Data has been classified into eight colour bands of brightness values (nw/cm2/sr). <0.5 (darkest); 0.5 1; 1 2; 2 4; 4 8; 8 16; 16 32 and > 32 (brightest). Lower values equate to lower light pollution and darker skies.

Tranquillity & Place

Q59a - % in visually tranquil category 1

- o 0.00
 - Sourced from the nationally consistent Tranquillity & Place Visually Tranquil Areas 2022 (rural themes 1, 2 and 3 combined). The visually tranquil categories range from 1 (least visually tranquil) to 10 (most visually tranquil). For further information, t

Q59b - % in visually tranquil category 2

- o 0.00
 - Sourced from the nationally consistent Tranquillity & Place Visually Tranquil Areas 2022 (rural themes 1, 2 and 3 combined). The visually tranquil categories range from 1 (least visually tranquil) to 10 (most visually tranquil). For further information, t

Q59c - % in visually tranquil category 3

- o 0.00
 - Sourced from the nationally consistent Tranquillity & Place Visually Tranquil Areas 2022 (rural themes 1, 2 and 3 combined). The visually tranquil categories range from 1 (least visually tranquil) to 10 (most visually tranquil). For further information, t

Q59d - % in visually tranquil category 4

- o 0.00
 - Sourced from the nationally consistent Tranquillity & Place Visually Tranquil Areas 2022 (rural themes 1, 2 and 3 combined). The visually tranquil categories range from 1 (least visually tranquil) to 10 (most visually tranquil). For further information, t

Q59e - % in visually tranquil category 5

- o 0.00
 - Sourced from the nationally consistent Tranquillity & Place Visually Tranquil Areas 2022 (rural themes 1, 2 and 3 combined). The visually tranquil categories range from 1 (least visually tranquil) to 10 (most visually tranquil). For further information, t

- o 17.18
 - Sourced from the nationally consistent Tranquillity & Place Visually Tranquil Areas 2022 (rural themes 1, 2 and 3 combined). The visually tranquil categories range from 1 (least visually tranquil) to 10 (most visually tranquil). For further information, t

Q59g - % in visually tranquil category 7

- o 69.98
 - Sourced from the nationally consistent Tranquillity & Place Visually Tranquil Areas 2022 (rural themes 1, 2 and 3 combined). The visually tranquil categories range from 1 (least visually tranquil) to 10 (most visually tranquil). For further information, t

Q59h - % in visually tranquil category 8

- o 12.84
 - Sourced from the nationally consistent Tranquillity & Place Visually Tranquil Areas 2022 (rural themes 1, 2 and 3 combined). The visually tranquil categories range from 1 (least visually tranquil) to 10 (most visually tranquil). For further information, t

Q59i - % in visually tranquil category 9

- o 0.00
 - Sourced from the nationally consistent Tranquillity & Place Visually Tranquil Areas 2022 (rural themes 1, 2 and 3 combined). The visually tranquil categories range from 1 (least visually tranquil) to 10 (most visually tranquil). For further information, t

Q59j - % in visually tranquil category 10

- 0.00
 - Sourced from the nationally consistent Tranquillity & Place Visually Tranquil Areas 2022 (rural themes 1, 2 and 3 combined). The visually tranquil categories range from 1 (least visually tranquil) to 10 (most visually tranquil). For further information, t

Q59k - Data Source

• Sourced from the nationally consistent Tranquillity & Place Visually Tranquil Areas 2022 (rural themes 1, 2 and 3 combined). The visually tranquil categories range from 1 (least visually tranquil) to 10 (most visually tranquil). For further information, the report and webapp, visit the Storymap available from https://storymaps.arcgis.com/stories/865c1876d9f64280a3dfc6e2769a46a5

SLAs

Q60 - Does the area overlap with Special Landscape Areas (SLA)?

No Answer

Q61 - Approximately what percentage of the area overlaps with a SLA?

No Answer

Visible Settings

Q62 - Visible settings of LANDMAP V&S areas

View a map image showing the visible setting of the area

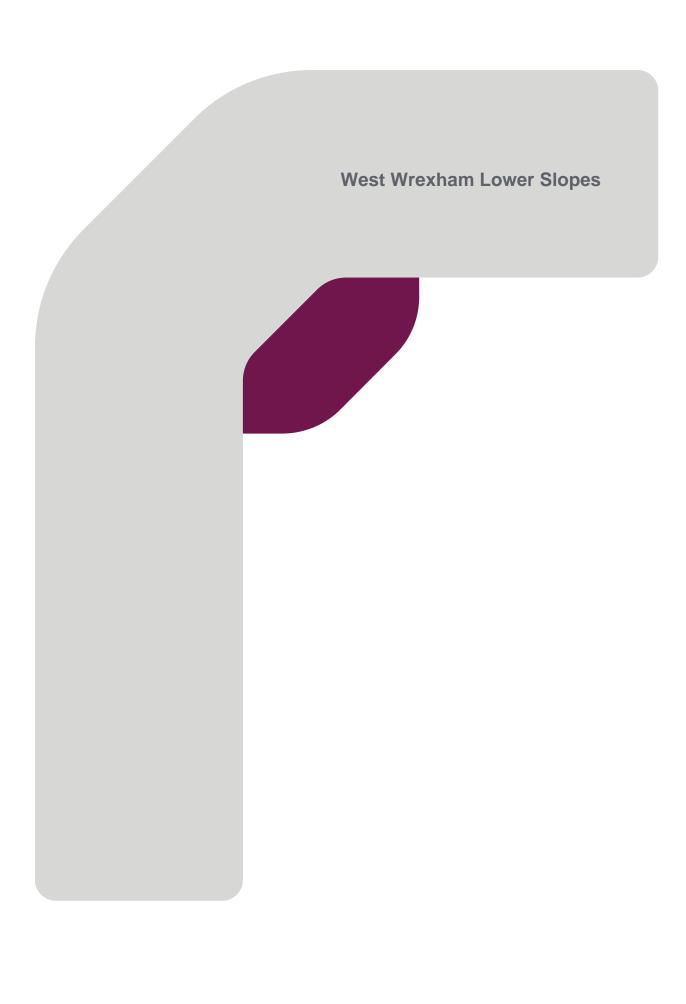
This is a Zone of Theoretical Visibility (ZTV), calculated using a 30 metre Digital Terrain Model (DTM), using multiple observer points scattered across the area, 1.5m above ground level, and taking into account the Earth's curvature. The data does not extend beyond 35km from an observer point, meaning that more distant views may also be possible.

- Read user guidance that explains the map image
- <u>Bulk download</u> the map images for Wales.
- Read a detailed technical report which explains the data calculations

- View map images showing the visible setting of each National Park and Area of Outstanding Natural Beauty.
 - These are Zones of Theoretical Visibility (ZTV), as per Q62, but applied to Designated Landscape areas. Also, for areas not visible, colour-steps show the Height of an object before it would become visible (HOBV), up to 350m high. See Q62 to access the user guidance and a technical report.

Q64 - Key views into or out from Designated Landscapes

- <u>View map images showing the ZTV and HOBV of a selection of key views for each National Park and Area of Outstanding Natural Beauty in or affecting Wales</u>
 - These are Zones of Theoretical Visibility (ZTV), as per Q62, but applied to selected key views into or out from Designated Landscapes. Also, colour-steps show the Height of an object before it would become visible (HOBV), up to 350m high. It is not an exhaustive key view list. See Q62 to access the user guidance and a technical report.





SURVEY DETAILS FOR WRXHMVS073 - 2023-06-19

Area Unique ID: WRXHMVS073

Aspect: Visual and Sensory

Area: West Wrexham Lower Slopes

Region: Wrexham

Survey Date:2007-09-21

- Level 1: Upland
- Level 2: Hills, Lower Plateau & Scarp Slopes
- Level 3: Hill & Lower Plateau Grazing

Monitoring

Q1 - Date of monitoring?

o 2015-02-06

Q1a - Monitoring undertaken by

• Stages 1, 2 and 3 change detection, field verification and amendment completed by White Consultants, in conjunction with the planning authority. Quality Assurance completed by Land Use Consultants.

Q1b - Has this record been updated following monitoring work?

• This record remains unchanged following monitoring work

Q1c - Change indicated by

• No Answer

Q1d - What has changed?

No Answer

Q1e - Has the information ever been verified in the field?

- Yes
 - o N/A

Q2 - Does this area have a special or functional link with an adjacent area?

- o Ves
 - Displays many similar characteristics to the adjacent lowland. Physically the area is linked lower slopes of Ruabon Mountain.

Q2a - During which season(s) was fieldwork carried out?

• Summer

Description

Q3 - Summary Description

o This aspect comprises a fragmented area between settlements where there have been many changes to the landscape. Lying on the lower slopes of Ruabon mountain and sloping broadly in a west to east direction the general landform is undulating predominantly open pasture land but also includes a wider range of mixed landuse including the core area of Plas Power estate (sharply defined by boundary stone walls), Plas Power tip near Southsea, parts of Offa"s Dyke and the River Gwenfro valley. Generally the area has a similar character to the adjacent lowland to the east but is clearly physically part of the lower slopes of Ruabon Mountain. Generally the area has been fragmented by settlement and built elements such as pylons and roads but in wider areas hasa well defined field system - medium to large scale fields bounded by sparsely vegetated hedgerows with over mature hedgerow trees. Cefn sandstone and red brick are traditional materials with modern materials also commonly found.

mature hedgerow trees. Cefn sandstone and re
Q4 - Physical Form And Elements: Topographic Form?
 Rolling/Undulating
Q5 - Physical Form And Elements: Landcover Pattern?
 Field Pattern/Mosaic
Q6 - Physical form and elements: Settlement pattern
 Mixture
Q7 - Physical form and elements: Boundary type
 Managed Hedge
Q8 - Aesthetic Qualities: Scale?
o Medium
Q9 - Aesthetic Qualities: Sense of Enclosure?
 Enclosed
Q10 - Aesthetic Qualities: Diversity?
 Complex
Q11 - Aesthetic Qualities: Texture?
o Medium
Q12 - Aesthetic Qualities: Lines?
 Angular
Q13 - Aesthetic Qualities: Colour?
 Muted
Q14 - Aesthetic Qualities: Balance?
 Balanced
Q15 - Aesthetic Qualities: Unity?
 Neutral
Q16 - Aesthetic Qualities: Pattern?

Mixed

Organised

Q17 - Aesthetic Qualities: Seasonal Interest?

Q18 - Other Factors: Level of Human Access?
 Frequent
Q19 - Other Factors: Night Time Light Pollution?
 Question 19 night time light pollution data has been moved to question 56. Additional dark skies data is available from questions 57 and 58.
Q20 - Other Factors: Use of Construction Materials?
 Generally Appropriate
Q21 - What materials? Give Details:
 Local Cefn sandstone and traditional red brick are found in older buildings and settlements with modern materials of all kinds also found
Q22 - There are attractive views
 neither in or out
 The area has a fragmented and relatively disturbed nature in terms of previous landuse and current mixed development and fragmented nature. Views though not unattractive are not particularly memorable or remarkable
Q23 - There are detractive views
oout
 Into adjacent development and settlement fringes, but generally unremarkable in composition and quality.
Q24 - Perceptual and Other Sensory Qualities
o Settled
o Other
Unremarkable and relatively utilitarian
Q25 - What is the sense of place/local distinctiveness
o Weak
• The area has a fragmented and relatively disturbed nature in terms of previous landuse and current mixed development and fragmented nature. General views are not unattractive are not particularly memorable or remarkable and the area as a whole fells relatively unremarkable and utilitarian n scale content and visual interest. There is no distinctive or characteristic sense of place or feeling of unity to the area.
Evaluation
Q26 - Value:
• Low
• Refer to Q.51
Q27 - Condition:
o Unassessed
Q28 - Trend:
 Constant
Recommendations
Q29 - Existing management

• Generally Inappropriate

Q30 - Existing management remarks:

• The aspect area appears under pressure from further development of housing, services, communications. Without adequate mitigation and long term management of the existing countryside this could lead to further degradation of the area. The existing field pattern is poorly managed and largely over mature.

Q31 - Principal management recommendation:

• Enhance and restore existing field boundaries - improve age range and species diversity. Promote opportunity to create green links into the countryside and integrate settlement with surrounding areas. Promote habitat creation and biodiversity within settlement. Avoid unsympathetic expansion of developments.

Q32 - Guideline

- Long Term
 - Encourage development of urban forest to integrate development with countryside
- Medium Term
 - Protect and strengthen remaining areas with rural character. re-establish and enhance field boundaries
- Medium Term
 - Manage recreational use of countryside, promote links between settlements
- Immediate
 - Promote habitat creation and biodiversity objectives within settlements and on settlement fringes
- Q33 Define the key qualities that should be conserved:
 - Open areas of field pattern and field boundaries
- Q34 Define the key qualities that should be enhanced:
 - Rural fringe and wider countryside re-establish field pattern and strengthen as framework for recreational use and access
- Q35 Define the key qualities that should be changed:
 - Limit over expansion of settlement edge. Reduce/limit development within rural areas
- Q36 Define the key elements that should be conserved:
 - Field pattern
- Q37 Define the key elements that should be enhanced:
 - Field boundaries and field margins, improve age range and biodiversity.
- Q38 Define the key elements that should be changed:
 - Blanket expansion of adjacent developments

Tolerance To Change

Q39 - Are there any significant threats to the current integrity and condition of the visual & sensory features of the area?

- Yes
 - Potential expansion of adjacent settlements further eroding the character of the wider area and causing greater fragmentation of the countryside. Future development should be limited and if necessary should include mitigation proposals to improve access/ green links, provide for habitat creation and improve biodiversity. Further development should respect existing field patterns and reinforce them where possible

Aspect Area Boundary

Q40 - To what level was this information site-surveyed?

• Level 3

- Q41 At 1:10,000, how much of the Aspect Area boundary is precise?
 - All
- Q42 What baseline information source was used for Aspect Area boundary mapping?
 - OS Landline
- Q43 If OS Data was used, what was the scale?
 - 1:10,000 and 1:25,000
- Q44 What is the justification for the Aspect Area boundaries?
 - An area displaying similar characteristics lying on the lower slopes of Ruabon mountain. The area is distinctive in its fragmented nature and high proportion of built elements within a poorly managed semi rural field pattern.

Evaluation Matrix

Q46 - Evaluation Criteria: Scenic quality

- Low
 - The area has been highly fragmented by development and the construction of transport and service corridors to serve the adjacent settlements. Furthermore the areas" rural parts are suffering from neglect and are generally poorly maintained with an over mature species composition. As a result views are generally of a lower quality and are relatively unremarkable views are rarely of long distance or have many aesthetically pleasing elements.
- Q47 Evaluation Criteria: Integrity
 - Low
 - The high proportion of development and fragmentation of the rural parts of the aspect area have led to a Low evaluation in terms of Integrity. Settlement sprawl and fringes are generally unsightly and degraded the overall integrity of the area.
- Q48 Evaluation Criteria: Character
 - Low
 - Due to the unremarkable nature of the aspect area and high percentage of settlement expansion and intrusive visual elements within the wider rural area (i.e. pylons, overhead powerlines and transport corridors) the overall character of the area has been degraded. The rural parts of the area are over mature and appear poorly managed thus weakening the rural setting and reducing the overall character of the area.

Q49 - Evaluation Criteria: Rarity

- Low
 - There are no or very few characteristics which appears visually valuable or distinctive within the this area. Landscape elements and features are commonly found all over the wider study area and do not bring any strong identity to this aspect.

Q50 - Evaluation Criteria: Overall Evaluation

- Low
 - 4 Lows = Low overall evaluation.

Q51 - Justification of overall evaluation

• The area has been highly fragmented by development and the construction of transport and service corridors to serve the adjacent settlements. Furthermore the areas" rural parts are suffering from neglect and are generally poorly maintained with an over mature species composition. There is very little to recommend the area and visually lacks a clear sense of place, character or identity. The aspect as a whole could be anywhere. An unremarkable and relatively bland aspect area that has suffered from fragmentation by development and road corridors. The area has been significantly fragmented by settlement that in places has sprawled to have an ill defined boundary and is poorly integrated with its surroundings. Pylons and overhead powerlines are a distinctive characteristic and further emphasise the fragmentation of the area.

Bibliography

Q45 - List the key sources used for this assessment

• Pre 2003 methodology LANDMAP study for WCBC

Assessment

Q52 - Additional Assessments

• None

Q53 - Additional Comments

None

LMP 14 & 09

Q54 - LANDMAP derived landscape types (LMP14)

• Upland valleys, hillsides, lower plateau and scarps (grassland >50%, open, predominantly unwooded)

Q55 - LANDMAP derived landscape types (LMP09)

• Upland open >50% grassland

Dark Skies

Light Pollution Percentage

< 0.5	0.5 - 1	1 - 2	2 - 4	4 - 8	8 - 16	16 - 32	> 32
0.0	0.0	31.8	47.8	20.5	0.0	0.0	0.0

Data has been classified into eight colour bands of brightness values (nw/cm2/sr). <0.5 (darkest); 0.5 - 1; 1 - 2; 2 - 4; 4 - 8; 8 - 16; 16 - 32 and > 32 (brightest). Lower values equate to lower light pollution and darker skies. Questions 57a - 57h collectively provide colour band data by %.

Further information: <u>11365 Wales Dark Skies (arcgis.com)</u>. Green C, Manson D, Chamberlain K 2021. Tranquillity and Place - Dark Skies. NRW Report No: 514, 70pp. Data download from Lle/DataMapWales.

Data source: December 2019 composite image of monthly average night light produced by the Earth Observation Group at Colorado School of Mines. Derived from Visible Infrared Imaging Radiometer Suite (VIIRS) Day/Night Band (DNB) senor from Suomi National Polar-orbiting Partnership (Suomi NPP) satellite, National Oceanic and Atmospheric Administration (NOAA).

Light Pollution km²

< 0.5	0.5 - 1	1 - 2	2 - 4	4 - 8	8 - 16	16 - 32	> 32
0.0	0.0	1.0	1.5	0.6	0.0	0.0	0.0

Data has been classified into eight colour bands of brightness values (nw/cm2/sr). <0.5 (darkest); 0.5 - 1; 1 - 2; 2 - 4; 4 - 8; 8 - 16; 16 - 32 and > 32 (brightest). Lower values equate to lower light pollution and darker skies. Questions 58a to 58h collectively provide colour band data by km2.

Further information: <u>11365 Wales Dark Skies (arcgis.com)</u>. Green C, Manson D, Chamberlain K 2021. Tranquillity and Place – Dark Skies. NRW Report No: 514, 70pp. Data download from Lle/DataMapWales.

Data source: December 2019 composite image of monthly average night light produced by the Earth Observation Group at Colorado School of Mines. Derived from Visible Infrared Imaging Radiometer Suite (VIIRS) Day/Night Band (DNB) senor from Suomi National Polar-orbiting Partnership (Suomi NPP) satellite, National Oceanic and Atmospheric Administration (NOAA).

Q56 - Night Time Light Pollution

- Moderate
 - Consultant led night time light pollution assessment conducted at time of survey record or survey update

Q57a - % in brightness colour band <0.5

- o 0.0
 - Data has been classified into eight colour bands of brightness values (nw/cm2/sr). <0.5 (darkest); 0.5 1; 1 2; 2 4; 4 8; 8 16; 16 32 and > 32 (brightest). Lower values equate to lower light pollution and darker skies.

Q57b - % in brightness colour band 0.5-1

- o 0.0
 - Data has been classified into eight colour bands of brightness values (nw/cm2/sr). <0.5 (darkest); 0.5 1; 1 2; 2 4; 4 8; 8 16; 16 32 and > 32 (brightest). Lower values equate to lower light pollution and darker skies.

Q57c - % in brightness colour band 1-2

- o 31.8
 - Data has been classified into eight colour bands of brightness values (nw/cm2/sr). <0.5 (darkest); 0.5 1; 1 2; 2 4; 4 8; 8 16; 16 32 and > 32 (brightest). Lower values equate to lower light pollution and darker skies.

Q57d - % in brightness colour band 2-4

- o 47.8
 - Data has been classified into eight colour bands of brightness values (nw/cm2/sr). <0.5 (darkest); 0.5 1; 1 2; 2 4; 4 8; 8 16; 16 32 and > 32 (brightest). Lower values equate to lower light pollution and darker skies.

Q57e - % in brightness colour band 4-8

- o 20.5
 - Data has been classified into eight colour bands of brightness values (nw/cm2/sr). <0.5 (darkest); 0.5 1; 1 2; 2 4; 4 8; 8 16; 16 32 and > 32 (brightest). Lower values equate to lower light pollution and darker skies.

Q57f - % in brightness colour band 8-16

- o 0.0
 - Data has been classified into eight colour bands of brightness values (nw/cm2/sr). <0.5 (darkest); 0.5 1; 1 2; 2 4; 4 8; 8 16; 16 32 and > 32 (brightest). Lower values equate to lower light pollution and darker skies.

Q57g - % in brightness colour band 16-32

- o 0.0
 - Data has been classified into eight colour bands of brightness values (nw/cm2/sr). <0.5 (darkest); 0.5 1; 1 2; 2 4; 4 8; 8 16; 16 32 and > 32 (brightest). Lower values equate to lower light pollution and darker skies.

Q57h - % in brightness colour band >32

- o 0.0
 - Data has been classified into eight colour bands of brightness values (nw/cm2/sr). <0.5 (darkest); 0.5 1; 1 2; 2 4; 4 8; 8 16; 16 32 and > 32 (brightest). Lower values equate to lower light pollution and darker skies.

Q58a - km2 in brightness colour band <0.5

- o 0.0
 - Data has been classified into eight colour bands of brightness values (nw/cm2/sr). <0.5 (darkest); 0.5 1; 1 2; 2 4; 4 8; 8 16; 16 32 and > 32 (brightest). Lower values equate to lower light pollution and darker skies.

Q58b - km2 in brightness colour band 0.5-1

- o 0.0
 - Data has been classified into eight colour bands of brightness values (nw/cm2/sr). <0.5 (darkest); 0.5 1; 1 2; 2 4; 4 8; 8 16; 16 32 and > 32 (brightest). Lower values equate to lower light pollution and darker skies.

Q58c - km2 in brightness colour band 1-2

- o 1.0
 - Data has been classified into eight colour bands of brightness values (nw/cm2/sr). <0.5 (darkest); 0.5 1; 1 2; 2 4; 4 8; 8 16; 16 32 and > 32 (brightest). Lower values equate to lower light pollution and darker skies.

Q58d - km2 in brightness colour band 2-4

- o 1.5
 - Data has been classified into eight colour bands of brightness values (nw/cm2/sr). <0.5 (darkest); 0.5 1; 1 2; 2 4; 4 8; 8 16; 16 32 and > 32 (brightest). Lower values equate to lower light pollution and darker skies.

Q58e - km2 in brightness colour band 4-8

- o 0.6
 - Data has been classified into eight colour bands of brightness values (nw/cm2/sr). <0.5 (darkest); 0.5 1; 1 2; 2 4; 4 8; 8 16; 16 32 and > 32 (brightest). Lower values equate to lower light pollution and darker skies.

Q58f - km2 in brightness colour band 8-16

- o 0.0
 - Data has been classified into eight colour bands of brightness values (nw/cm2/sr). <0.5 (darkest); 0.5 1; 1 2; 2 4; 4 8; 8 16; 16 32 and > 32 (brightest). Lower values equate to lower light pollution and darker skies.

Q58g - km2 in brightness colour band 16-32

- o 0.0
 - Data has been classified into eight colour bands of brightness values (nw/cm2/sr). <0.5 (darkest); 0.5 1; 1 2; 2 4; 4 8; 8 16; 16 32 and > 32 (brightest). Lower values equate to lower light pollution and darker skies.

Q58h - km2 in brightness colour band >32

- o 0.0
 - Data has been classified into eight colour bands of brightness values (nw/cm2/sr). <0.5 (darkest); 0.5 1; 1 2; 2 4; 4 8; 8 16; 16 32 and > 32 (brightest). Lower values equate to lower light pollution and darker skies.

Tranquillity & Place

Q59a - % in visually tranquil category 1

- o 0.00
 - Sourced from the nationally consistent Tranquillity & Place Visually Tranquil Areas 2022 (rural themes 1, 2 and 3 combined). The visually tranquil categories range from 1 (least visually tranquil) to 10 (most visually tranquil). For further information, t

Q59b - % in visually tranquil category 2

- o 0.00
 - Sourced from the nationally consistent Tranquillity & Place Visually Tranquil Areas 2022 (rural themes 1, 2 and 3 combined). The visually tranquil categories range from 1 (least visually tranquil) to 10 (most visually tranquil). For further information, t

Q59c - % in visually tranquil category 3

- o 0.00
 - Sourced from the nationally consistent Tranquillity & Place Visually Tranquil Areas 2022 (rural themes 1, 2 and 3 combined). The visually tranquil categories range from 1 (least visually tranquil) to 10 (most visually tranquil). For further information, t

Q59d - % in visually tranquil category 4

- o 0.00
 - Sourced from the nationally consistent Tranquillity & Place Visually Tranquil Areas 2022 (rural themes 1, 2 and 3 combined). The visually tranquil categories range from 1 (least visually tranquil) to 10 (most visually tranquil). For further information, t

Q59e - % in visually tranquil category 5

- 0.08
 - Sourced from the nationally consistent Tranquillity & Place Visually Tranquil Areas 2022 (rural themes 1, 2 and 3 combined). The visually tranquil categories range from 1 (least visually tranquil) to 10 (most visually tranquil). For further information, t

Q59f - % in visually tranquil category 6

- o 17.13
 - Sourced from the nationally consistent Tranquillity & Place Visually Tranquil Areas 2022 (rural themes 1, 2 and 3 combined). The visually tranquil categories range from 1 (least visually tranquil) to 10 (most visually tranquil). For further information, t

Q59g - % in visually tranquil category 7

- o 75.98
 - Sourced from the nationally consistent Tranquillity & Place Visually Tranquil Areas 2022 (rural themes 1, 2 and 3 combined). The visually tranquil categories range from 1 (least visually tranquil) to 10 (most visually tranquil). For further information, t

Q59h - % in visually tranquil category 8

- o 6.81
 - Sourced from the nationally consistent Tranquillity & Place Visually Tranquil Areas 2022 (rural themes 1, 2 and 3 combined). The visually tranquil categories range from 1 (least visually tranquil) to 10 (most visually tranquil). For further information, t

Q59i - % in visually tranquil category 9

- o 0.00
 - Sourced from the nationally consistent Tranquillity & Place Visually Tranquil Areas 2022 (rural themes 1, 2 and 3 combined). The visually tranquil categories range from 1 (least visually tranquil) to 10 (most visually tranquil). For further information, t

Q59j - % in visually tranquil category 10

- o 0.00
 - Sourced from the nationally consistent Tranquillity & Place Visually Tranquil Areas 2022 (rural themes 1, 2 and 3 combined). The visually tranquil categories range from 1 (least visually tranquil) to 10 (most visually tranquil). For further information, t

Q59k - Data Source

• Sourced from the nationally consistent Tranquillity & Place Visually Tranquil Areas 2022 (rural themes 1, 2 and 3 combined). The visually tranquil categories range from 1 (least visually tranquil) to 10 (most visually tranquil). For further information, the report and webapp, visit the Storymap available from https://storymaps.arcgis.com/stories/865c1876d9f64280a3dfc6e2769a46a5

SLAs

Q60 - Does the area overlap with Special Landscape Areas (SLA)?

No Answer

Q61 - Approximately what percentage of the area overlaps with a SLA?

No Answer

Visible Settings

Q62 - Visible settings of LANDMAP V&S areas

View a map image showing the visible setting of the area

This is a Zone of Theoretical Visibility (ZTV), calculated using a 30 metre Digital Terrain Model (DTM), using multiple observer points scattered across the area, 1.5m above ground level, and taking into account the Earth's curvature. The data does not extend beyond 35km from an observer point, meaning that more distant views may also be possible.

- Read user guidance that explains the map image
- Bulk download the map images for Wales.
- Read a detailed technical report which explains the data calculations

Q63 - Visible Settings of Designated Landscapes

- View map images showing the visible setting of each National Park and Area of Outstanding Natural Beauty.
 - These are Zones of Theoretical Visibility (ZTV), as per Q62, but applied to Designated Landscape areas. Also, for areas not visible, colour-steps show the Height of an object before it would become visible (HOBV), up to 350m high. See Q62 to access the user guidance and a technical report.

Q64 - Key views into or out from Designated Landscapes

- <u>View map images showing the ZTV and HOBV of a selection of key views for each National Park and Area of Outstanding Natural Beauty in or affecting Wales</u>
 - These are Zones of Theoretical Visibility (ZTV), as per Q62, but applied to selected key views into or out from Designated Landscapes. Also, colour-steps show the Height of an object before it would become visible (HOBV), up to 350m high. It is not an exhaustive key view list. See Q62 to access the user guidance and a technical report.



LANDMAP Wrexham Character Area Sheets

Character Areas (Onsite) – Rhosllannerchrugog – Rhostyllen Ruabon – Penycae

Rhosllannerchrugog - Rhostyllen Ruabon - Penycae

This is one of a series of Local Planning Guidance Notes based on Wrexham LANDMAP (adopted November 2004), setting out recommendations for each Landscape Character area.



Rhostyllen - Ruabon Penycae summary

- Rural and urban areas affected by history of mining and quarrying
- Villages (Rhos, Penycae, Rhostyllen, Ruabon)
 characterised by high density and use of Ruabon red brick
- Prehistoric military border area -Gardden hill fort and Offa's Dyke
- Much accessible natural greenspace forming ecological network, including woodland and grassland habitats of high value
- The A483 and railway follow the lower edge of area



Closely-built former mining communities with a rich cultural heritage, located on the lower slopes of Ruabon Mountain, and distinguished by the widespread use of local Ruabon red brick

Landscape context

Rhosllannerchrugog - Rhostyllen is one of four character areas in Wrexham which have a mixed rural and urban landscape. The other areas are Chirk, Cefn Mawr and West Wrexham Ridges and Valleys

Character Area boundaries should be considered transitional rather than precise © Crown copyright. All rights reserved Licence No.100023429. 2006

Key characteristics

Visual character:

- Lower slopes of Ruabon Mountain consisting of undulating farmland, with residential and industrial development.
- Bersham colliery and tip, and the former Hafod tip, now restored, are landmarks

Geological character:

- Gentle Carboniferous Coal Measure slopes (sandstone) mostly overlain by glacial till, although Rhosllannerchrugog centre is built on an outcrop
- A sandstone ridge, highest at Gardden Hill and followed to the north by Offa's Dyke (part now under Johnstown) runs through the centre of the character area

 To the east of Johnstown, Etruria Marl has been quarried to make the characteristic red bricks and tiles

Ecological character:

- Most farmland is improved grassland of low biodiversity value
- Some former industrial sites are now of high wildlife value, including Stryt Las (great crested newts), the former Hafod tip (a young broadleaved woodland), and birch woodland north of Rhos
- Fragmented areas of semi-natural vegetation include broadleaved scrub, neutral grassland, upland oak woodland along the Afon Eitha valley, beech woodland on Gardden Hill, neutral grassland at Legacy substation, lowland pasture, and oak/ ash/sycamore woodlands around the Crematorium and Llwyneinion

Historical character:

- Settlements are mainly of 19th -20th century origin but Penycae and Ruabon have older centres
- Coal mining remains are frequent but Bersham Colliery, with its coal spoil tip and remaining headgear is of particularly high value. Industrial sites are linked by a network of disused industrial railways
- Border area prehistoric military hillfort at Gardden and Offa's Dyke, marking a former political and military boundary

Cultural character:

- Rhostyllen, with modern industrial and commercial areas next to the A483, is now closely linked to Wrexham town
- Johnstown, once linked with the brickworks and Hafod colliery, is a mainly English-speaking community.
- Rhosllannercrugog is a culturally rich community with strong Welsh culture and language
- Surrounding farming is under pressure, with part time holdings and increase in 'horsiculture'
- Hafod y Bonc Country Park is a former tip now important for environmental education and recreation

Landscape sensitivity:

The distinctive Welsh identity of the area is vulnerable to development pressure, particularly infill housing of standardised design and materials. The A483 corridor is visually threatened by nearby landfill, masts, building development and power lines. Surrounding farmland is also very vulnerable to urban pressures

Overall management strategy:

Enhancement, conservation and sustainable development

Management guidance			
Aims	Guidelines		
Enhance visual character	 Promote urban forestry and enhance remaining areas of neglected or derelict land Rationalise/reduce overhead power line clutter Survey and assess use of sandstone and local brick in walls and buildings 		
Develop an accessible green network	 Retain and improve environment for pedestrians and cyclists within settlements through the development of accessible natural green space and green network (refer to Green Strategy due March 2007) 		
Conserve geological features	 Maintain morphological integrity of landform and assess new exposures 		
Enhance and extend existing habitats for wildlife	 Develop wildlife corridors as part of a green network, linking areas of fragmented habitats (refer to Green Network Strategy due March 2007) Maintain ponds and protected great crested newts Maintain, enhance and expand: scrub, broadleaved woodland, lowland pasture and hedges Diversify improved grassland and farmland and reduce chemical use in agriculture 		
Preserve archaeological features	 Preserve mining remains, especially winding house, headgear and tip at Bersham, maintain and repair Development which adversely affect the site or setting of Offa's Dyke or Gardden Hill Fort would not be permitted Preserve historic core of Ruabon, including mills and chapels 		
Survey area of potential archaeological interest	 Evaluate historic core of settlements prior to development and assess in relation to wider historic landscape Carry out surveys of former colliery sites, railway lines and 		
	quarries, and assess in context of wider industrial landscape.Conserve historic transport routes		
Strengthen cultural identities of settlements	 Preserve coal mining heritage at Bersham Colliery as visible reminder of Wrexham's former industrial base Preserve character of lower Ruabon slopes e.g. field 		
	systems, industrial sites Support Welsh-language cultural initiatives, and culturally distinct communities		



For further information contact:

Planning Environment Planning Department Wrexham County Borough Council Lambpit Street, Wrexham. LL11 1AR Tel:01978 292019 www.wrexham.gov.uk/planning

All our information is available in accessible formats





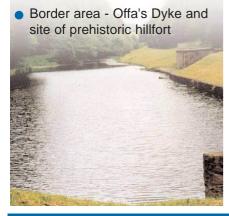
Character Areas (Onsite) – West Wrexham Ridges and Valleys

This is one of a series of Local Planning Guidance Notes based on Wrexham LANDMAP (adopted November 2004), setting out recommendations for each Landscape Character area.



West Wrexham Ridges and Valleys summary:

- Mixed rural and urban village character
- Strong NW-SE orientation, with alternating ridges and valleys
- Hilltop villages separated by woodland, former industrial land and farmland
- Widespread use of local Cefn sandstone in older buildings, and distinctive stone walls
- Changing landscape as post mining restoration and regeneration continue
- Variety of wildlife habitats including small but important wetlands

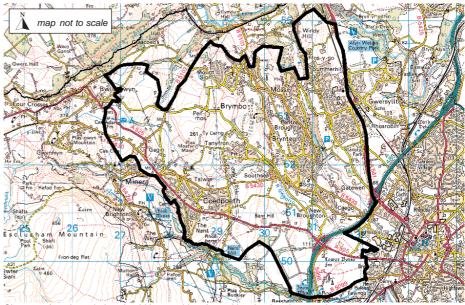


A complex area of former mining villages, industry, farmland and woodland in a landscape of distinct ridges and valleys which are aligned towards Wrexham town

Landscape context

West Wrexham Ridges and Valleys is the largest and most varied of four character areas in Wrexham which have a mixed rural and urban landscape. The other areas are Chirk, Rhosllannerchrugog - Rhostyllen, and Cefn Mawr

Map of West Wrexham Ridges and Valleys Landscape Character Area



Character Area boundaries should be considered transitional rather than precise © Crown copyright. All rights reserved Licence No.100023429. 2006

Key characteristics

Visual character:

- Visually varied and complex, including lowland, valleys and hill and scarp areas
- Characteristic undulating hill slopes with wooded valleys
- Views towards Wrexham and the lowlands
- Urban villages and Wrexham linked by roads crossing open lowland farmland area
- Scattered groups of buildings in local Cefn sandstone and stone-built village cores, individuality in later additions but much standardised modern housing development

Geological character:

- The complex landform is related to geological faults, with alternating series of resistant sandstone ridges, and Coal Measure valleys of Carboniferous age
- Villages are built on outcrops of Cefn Rock (sandstone) which has been quarried for local building stone
- Glacial till covers much of the lower areas, with glacial sands and gravels towards Wrexham
- Many artificial landforms including the former Brymbo steelworks site

Ecological character:

 Much of the non-built area is improved grassland or arable of relatively low value

- Important wetlands include reed mace swamp at Gatewen Moss and rich swamp and marshy grassland at Higher Berse Marsh. Gwenfro valley has wet woodland and areas of valuable lowland pasture
- Plas Power tip and the former Brymbo Steelworks site are being restored mainly to broadleaved woodland

Historical character:

- Countryside has remnants of ridge and furrow, regular and irregular fields, but much land has been disturbed
- Most settlement is related to 19th and 20th century mining and industry
- Remnants of Bryn y Gaer prehistoric military hillfort at Pentre Broughton and the route of Offa's dyke can be identified
- Brymbo steelworks heritage area and Plas Power colliery buildings have been preserved
- Network of disused industrial railway lines crosses area

Cultural character:

- Urban villages retain their own cultural identity, but this is becoming weakened
- Area is affected by A483 corridor, which separates it from Wrexham, but increases accessibility to commuters
- Agriculture is still of some importance but horsiculture is an increasing land use

Landscape sensitivity

This area continues to accommodate profound changes, but is vulnerable to further loss of local distinctiveness, and coalescence of villages because of continuing development pressure. The small scale of the ridges and valleys means they are sensitive to large scale development, masts and power lines, and inappropriate engineered landfoms

Overall management strategy:

Conservation

Management Gu	uidance
Aims	Guidelines
Enhance character of hill villages and wooded valleys	 Promote urban forestry, strengthen, restore and enhance wooded valleys Keep settlements separate and maintain green barrier between villages and Wrexham town Encourage the restoration and repair of rural and urban stone walls using local stone Avoid standardised new developments using non-local materials and inappropriate highway design
Develop an accessible green network	 Maintain and develop green corridors for wildlife and people, linking rural and urban green spaces
Promote positive management of urban fringe countryside	 Encourage hedgerow retention and management and new hedgerow and tree planting along the urban fringe Promote agri-environment agreements to encourage management for public access and wildlife as well as sustainable agricultural production Areas for Horsiculture are to conserve traditional field boundaries Avoid the proliferation of fences, structures and buildings within the countryside, where this would erode character
Conserve geological features	 Maintain continuity and integrity of rock and glacial exposures and landforms
Enhance and extend existing habitats for wildlife	 Maintain high water table in wetland habitats and extend wetland habitats Maintain secondary habitats in industrial redevelopments Protect potential bat and owl roosting sites in old buildings and walls Manage and extend woodlands to improve structure and wildlife value
Preserve archaeological features	 Maintain green areas to preserve surviving archaeology, carry out field and desk studies of fieldscape Preserve by record Bryn y Gaer hillfort, evaluate in advance of any development or groundworks Evaluate industrial sites in urban villages in advance of development Preserve disused railway lines, and assess in wider industrial context No development on or near Offa's Dyke - contact Cadw
Preserve local distinctiveness	 Support community cultural initiatives in urban villages, preserve historic appearance of buildings and settlements



For further information contact:

Planning Environment Planning Department Wrexham County Borough Council Lambpit Street, Wrexham. LL11 1AR Tel:01978 292019 www.wrexham.gov.uk/planning

All our information is available in accessible formats





Wrexham Landscape Character Area Guidance

Character Areas (Onsite) – Clywedog Valley, Plas Power and Bersham

Clywedog Valley, Plas Power and Bersham 9a

This is one of a series of Local Planning Guidance Notes based on Wrexham LANDMAP (adopted November 2004), setting out recommendations for each Landscape Character area



Clywedog Valley, Plas Power and Bersham summary

- Cut-off areas of countryside, and wooded valley to the east of Wrexham town
- Woodlands of high nature conservation value
- Country parks at Nant Mill and Minera
- High potential for recreation, linking town and country
- Heritage centre and ironworks at Bersham
- Plas Power estate adjoining Clywedog Valley, surrounded by a magnificent stone wall

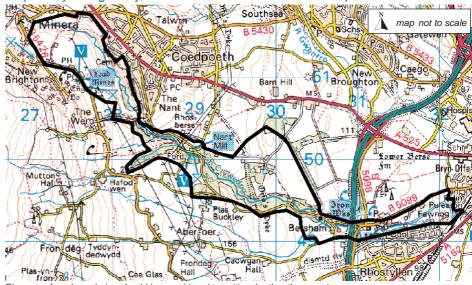


Small wooded valley from Wrexham to Minera, providing woodland walks with industrial archaeology and nature conservation interest, historically linked to Plas Power estate and Bersham iron works

Landscape context

This is one of several minor river valleys which are well wooded, with features showing former industrial uses. Adjacent farmed and wooded estate countryside is also included in this character area. The other valleys of this type are the River Alyn valley (9b), Ffrith Valley (9c) and Dee Valley - Froncysyllte to Newbridge (9d)

Map of Clywedog Valley, Plas Power and Bersham Landscape Character Area



Character Area boundaries should be considered transitional rather than precise © Crown copyright. All rights reserved Licence No.100023429. 2006

Key characteristics

Visual character:

- Varied visual character but area, though close to settlements, is separated from them by walls, roads or topography and has a more tranquil character
- Upper Clywedog valley is overlooked by Coedpoeth and Minera, middle section is a wooded rocky gorge, and lower section is more shallow with a mosaic of lowland farmland and woodland
- Substantial Cefn sandstone stone walls of the Plas Power estate surround approximately a square mile of parkland

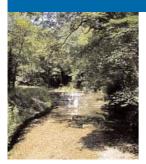
Geological character:

 In this area the upper Clywedog Valley follows a course between

- Esclusham Mountain to the south and Coal Measure areas to the north, separated by fault lines. The lower valley cuts through part of the terrace of sands and gravels known as the Wrexham delta terrace, on which Wrexham sits
- The river is incised into the landform, and where it cuts through resistant Cefn sandstone in the area of Nant Mill Country Park there are steep slopes and rock exposures
- There is much disturbed land or woodland, but soils are generally derived from alluvium or glacial drift.

Ecological character:

- Several valuable habitats associated with the river, valley bottom and floodplain
- River Clywedog is an aquatic habitat of high value



 Upland mixed ash woodland of high value and oak/ash/sycamore woodland are found in the valley and Plas Power estate

Historical character:

- The area is crossed by Offa's Dyke, a prehistoric military feature of outstanding archaeological value
- The eastern half of the Plas Power estate is restored land, following post war opencast coal mining, and the remaining designed landscape is in poor condition
- North of Bersham, the farmland retains a pattern of small fields

Cultural character:

- Recreational and educational area with Clywedog Trail from Wrexham to Minera, Bersham Heritage Centre and Minera lead mining centre, and the Nant Mill Country Park
- Bersham, now a Conservation Area, was a centre for iron working, and originally the trees from the valley provided charcoal for smelting. John Wilkinson (1728-1808) known as 'the father of the iron trade' is of international renown - the ironworks supplied clients throughout Europe
- The valley is linked to the Plas Power estate, of which the central core (the Hall has been lost) and the higher parts survive

Overall management strategy:

Conservation and Restoration

Management gui	Management guidance			
Aims	Guidelines			
Enhance existing visual character	Retain wooded valley character			
visual character	 Protect and restore remaining historic landscape features of interest in Plas Power estate, ensure appropriate land uses 			
Conserve geological features	 Maintain continuity and integrity of rock exposures and Landforms and assess new exposure Maintain integrity of fluvial and glacial landforms 			
Enhance and extend wildlife habitats	 Enhance river bank habitats and minimise hard bank engineering such as canalisation or retaining walls Replace coniferous trees with native broadleaved trees in woodlands, increase diversity in woodland structure, retain old/dead trees standing or fallen, restrict grazing Enhance lowland pastures Encourage agri-environment agreements for sustainable land management Refer to Green network strategy due March 2007 to identify potential sites 			
Conserve historical features	 Preserve evidence of former industrial uses along river Assess archaeology prior to any new developments No development on or near Offa's Dyke - contact Cadw Preserve important elements of designed landscapes, and seek to reinstate original design intent, where in decline or degraded 			
Enhance and interpret cultural heritage	 Support Clywedog Trail and Bersham Heritage Centre Manage valley woodlands and historic landscape features for recreation and education Strengthen links into Wrexham Town, and up to Minera Quarry and Esclusham Mountain (refer to Green Network Strategy) 			

Landscape sensitivity:

The scale of the valley is very small, and any incongruous development within it or nearby, or loss of tree cover could affect its character. The Plas Power estate and Bersham areas are vulnerable to recreational and residential development because of their proximity to Wrexham town.



For further information contact:

Planning Environment Planning Department Wrexham County Borough Council Lambpit Street, Wrexham. LL11 1AR Tel:01978 292019

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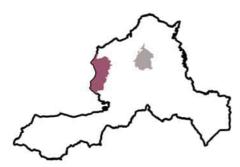
All our information is available in accessible formats





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Unenclosed and uninhabited upland moorland plateau seen from the Wrexham lowlands, valued for its scenery, dry heath vegetation, wildlife and archaeological remains



Eastern Slopes of Ruabon Mountain summary:

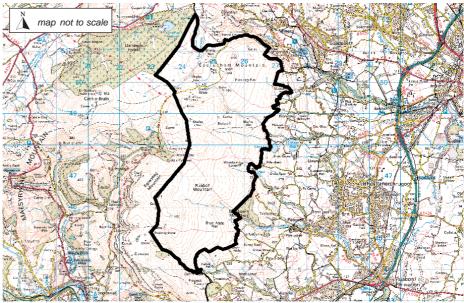
- Upland moorland plateau
- Forms smooth unbroken skyline viewed from Wrexham and Cheshire Plain
- Seen as relatively wild and natural
- Tranquil and remote
- Significant weather and seasonal changes
- Of high value for wildlife
- Important archaeological remains
- Of value for informal recreation
- Most is open access land under the Countryside and Rights of Way Act 2000



Landscape context

This character area is one of two extensive areas of upland moorland in Wrexham, the other being Berwyn Mountain, although at between 350 and 450 m above sea level, Ruabon and Esclusham Mountain is considerably lower. Most of the moorland plateau slopes gently eastwards towards Wrexham.

Map of Ruabon and Esclusham Mountain Landscape Character Area



Character Area boundaries should be considered transitional rather than precise © Crown copyright. All rights reserved Licence No.100023429. 2006

Key characteristics

Visual character:

- Large scale landscape, high and open with good long distance views
- Strong contrast between the open purple or brown moorland and the green farmed areas below
- Highest point at Cyrn y Brain in Denbighshire has a wireless mast visible from parts of Wrexham

Geological character:

Carboniferous millstone grit (Cefn y

Fedw sandstone) underlies most of the area

- Minera Carboniferous limestone, important for its mineralogy and caves, outcrops to the north
- To the north west, Silurian mudstones extend towards Cyrn y Brain in Denbighshire
- Blanket bog (deep peat soil) is found only on the highest part of Ruabon Mountain. Elsewhere coarse loamy podzolic soils, or seasonally waterlogged loams are found

Ecological character:

- Dry upland heath vegetation, with crowberry, cowberry, heather, moss, grassland and bracken
- Habitat supports a collection of breeding birds including protected and rare species

Historical character:

- Of national importance for archaeological interest, with numerous prehistoric remains and much potential for discovery because the land is generally uncultivated.
- Spoil heaps left by former lead mining are widespread

Cultural character:

- No settlement; one minor road from Minera to World's End and the Eglwyseg Crags
- Land use is extensive sheep grazing, with some parts managed by burning and mowing for grouse shooting. SSSI designation constrains agricultural use
- Few footpaths, but most is open access land under the Countryside and Rights Of Way Act 2000

Landscape sensitivity

Smooth profile seen from the eastern lowlands is vulnerable to development which might break the skyline, such as masts. The heather moorland vegetation is sensitive to changes in climate, changes in management and increased recreational pressure

For further information contact:

Planning Environment
Planning Department
Wrexham County Borough Council
Lambpit Street, Wrexham. LL11 1AR

Overall management strategy:

Conservation

Management Guidance				
Aims	Guidelines			
Retain unbroken skyline	 Retain open unenclosed character - resist all built development, forestry and vehicular access 			
	 Assess visual impact of any proposed new features from at least 15 km distance 			
Strengthen sense remoteness and	 Encourage reduction of sky glare from lighting in lowland settlements 			
'wilderness'	 Ensure new features to improve access are low key and sensitively designed. 			
Preserve geological features	 Continue current geological management but assess new exposures 			
	 Manage grazing and recreational use to prevent erosion of peat. Any erosion control measures are to respect the 'wilderness' character of the area 			
Maintain and extend upland heath and blanket	 Follow SSSI guidelines including restrictions on drainage and ploughing 			
bog habitats	 Refer to Upland Moorland Habitat Action plan (Wrexham Biodiversity Action Plan) 			
Conserve	Protect and conserve prehistoric and later mining remains			
archaeological features	 Undertake more detailed surveys and assessments generally, and in particular assess and record archaeology before any development 			
	 Protect peat deposits which hold a record of past environmental conditions and land use. 			
	 Avoid planting, enclosure, overgrazing and agricultural 'improvement' 			
	 Avoid off-road vehicular access and minimise physical impact of public access 			
Encourage local	Refer to Local Access Forum, link with adjoining areas			
sustainable tourism initiatives	 Promote sustainable land management through agri environment schemes 			

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Character Areas (ZTV) – Eastern Slopes of Ruabon Mountain This is one of a series of Local Planning Guidance Notes based on Wrexham LANDMAP (adopted November 2004), setting out recommendations for each Landscape Character area.



Eastern Slopes of Ruabon Mountain summary:

- Scenic area between moorland and developed lowlands
- Small irregular fields on east facing slopes, used for pasture
- Sharp boundary between farmland and moorland
- Linear woodlands and reservoirs in minor valleys
- Remnants of historic mining, although area appears undisturbed
- Isolated farms and very small hamlets



East-facing slopes of Ruabon/Esclusham Mountain below the moorland edge, with a landscape of relatively unspoilt pastoral farmland, small farms, woodlands and reservoirs.

Landscape context

This landscape type lies on the edge of the uplands facing towards the lowlands, with a transition from steeper upper slopes to gentler lower slopes. There are two such areas in Wrexham, the other being Chirk Estate to Froncysyllte.

The eastern slopes of Ruabon and Esclusham Mountain form a constant background to Wrexham town and other areas of lowland, with the green landscape of small fields contrasting with the open heather moorland above.

Map of Eastern Slopes of Ruabon Mountain Landscape Character Area



Character Area boundaries should be considered transitional rather than precise © Crown copyright. All rights reserved Licence No.100023429. 2006

Key characteristics

Visual character:

- Open farmland with small scale field pattern, with more woodland to south, with a small wooded valley at Newtown Mountain
- Network of narrow winding lanes enclosed by mixed hedges with much holly, sometimes with stone retaining walls
- Vernacular buildings often in local Cefn sandstone
- Reservoirs are local features, collecting water to supply lowland settlements
- Excellent views, where hedges permit, over both lowlands and moorland

Geological character:

- East-facing slopes from between 180 m to 350 m above sea level form the flanks of the Ruabon Mountain plateau
- Carboniferous Cefn-y-Fedw Sandstone (Millstone Grit) underlies the steeper upper slopes, and Coal Measures the gentler lower slopes
- Bedrock is generally overlaid with glacial deposits, with better drained soils found on glacial sands and gravels and seasonally waterlogged fine loamy soils on glacial clays

Ecological character:

Most farmland is agriculturally

Landscape Character Area 5b

improved grassland, but the dense network of hedgerows forms a valuable habitat for wildlife

- Semi-natural ancient woodland, including mixed ash woodland, is found in small valleys, forming wildlife corridors. Conifer plantations and mixed plantation woodland are found in the Garth area
- Some small vulnerable grassland habitats on moorland margins
- Reservoirs are aquatic habitats of moderate value

Historical character:

- The small irregular fields characteristic of the area evolved from progressive enclosure of the commons
- At Newtown Mountain the conifer plantation contains significant archaeological remains of abandoned upland lead and coal mining village and smallholdings and there are other remnants of historic mining activity in the area
- Former military border area Pen y Gaer hillfort is strategically sited to the north west of Ruabon, above the Vale of Llangollen
- Historically rich area with potential for further discovery

Cultural character:

- Predominantly rural, although farm buildings are increasingly being converted to non-agricultural uses, mainly residential, with consequent changes to local character and culture
- The small lanes and footpaths are used by walkers and cyclists
- Rich cultural heritage

Overall management strategy: Conservation

Management Gu	uidance
Aims	Guidelines
Maintain rural character	 Resist unsympathetic development and conversion of farmstead Ensure that any new development is integrated within the landscape in local and distant views, through appropriate siting, form of development, retention of vegetation and traditional hedgerow/stone wall boundaries to minimise visual impact Restore and maintain stone buildings and walls Further develop 'green' links into urban areas
Retain unbroken skyline	 Avoid development which would be seen on skyline and assess proposals from at least 15 km distance
Preserve geology new exposures	 Maintain integrity and continuity of geological exposures and mines Continue current management practices and assess any
Maintain, extend and link habitats	 Maintain, enhance and expand lowland acid grassland, lowland pasture and upland mixed ash woods Maintain existing wildlife corridors (e.g. woodlands, hedgerows, road verges) and extend where possible
Manage woodlands for biodiversity	Replace coniferous trees with native species
Preserve archaeology	 Preserve and record village at Newtown Mountain, discourage new planting over structures Preserve Pen y Gaer hillfort and associated structures, discourage woody vegetation, avoid overgrazing Preserve existing field pattern, farmsteadings and early industrial archaeology and carry out further surveys
Preserve and raise awareness of cultural heritage	 Liaise with local history societies, Welsh Mines Preservation Trust, Clwyd Powys Archaeological Trust and County Archaeologist
Maintain traditional farming	 Promote agri-environment schemes, and sensitive economic diversification where required Ensure recreational interests and access do not conflict with farming interests

Landscape sensitivity

Very sensitive - the area is high and open but close to settlements, and is very vulnerable to loss of vernacular building character and development of masts and power lines, as well as changes in agricultural practices due to economic and climatic factors



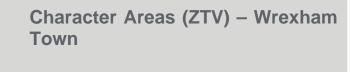
For further information contact:

Planning Environment Planning Department Wrexham County Borough Council Lambpit Street, Wrexham. LL11 1AR Tel:01978 292019 www.wrexham.gov.uk/planning

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This is one of a series of Local Planning Guidance Notes based on Wrexham LANDMAP (adopted November 2004), setting out recommendations for each Landscape Character area



Wrexham Town summary

- Historic market town, regional centre and transport nexus
- Border town with Welsh and English influences
- Largest town in North Wales, with many of the functions of a city
- Located on a lowland plateau surrounded by farmland, historic estates and sand guarries
- St Giles church tower is a landmark seen from hills and lowlands
- Linked to ex-mining communities as well as agricultural lowlands
- Extensive post-war residential estates

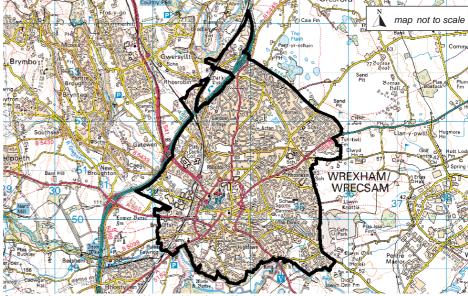


Wrexham is a large thriving historic market town set on a lowland plateau, forming a regional and local centre with strong cultural traditions

Landscape context

Buildings and other development are the dominant features of the landscape, with the underlying physical landscape covered over or altered to a significant extent. The other extensive area where this occurs is Wrexham Industrial Estate

Map of Wrexham Town Landscape Character Area



Character Area boundaries should be considered transitional rather than precise © Crown copyright. All rights reserved Licence No.100023429. 2006

Key characteristics

Visual character:

- Gently undulating terrain
- Views to Ruabon and Esclusham Mountain, purple, green or brown according to season
- St Giles church and Police headquarters are focal points
- Central historic and retail core, surrounded by areas of nonresidential uses and remaining areas of older housing
- Extensive outer areas of post-war and recent housing, including planned garden village estates, public housing and cul-de-sac modern estates
- Acton Park is a remnant area of historic parkland with old parkland trees of high value

Geological character:

- Located on the Wrexham Delta Terrace, a gently undulating lowland plateau of glacial sand and gravels sloping eastwards
- The small River Gwenfro flows through Wrexham, joining with the River Clwyedog whose valley forms the southern boundary of the town.
 Parts of the Gwenfro are culverted
- The town has expanded over welldrained sandy loam soils, formerly good quality farmland

Ecological character:

 Built areas of Wrexham town are of low ecological interest, but mature trees, gardens, open spaces, former industrial sites, ponds and rivers provide valuable habitats, with potential for improvement



- Disused railway lines, Acton Park and the River Gwenfro provide the largest natural habitats within Wrexham town
- Bats, song thrushes, linnets and great crested newts are Biodiversity Action Plan species present within the town

Historical character:

- Wrexham has medieval origins, with prehistoric and industrial archaeology also present
- Wat's Dyke is a medieval military feature of outstanding importance which runs north-south, with some sections still visible
- Focus for roads and railways, with several disused industrial railway lines still present
- Wrexham Cemetery, on Watt's Dyke, is a Victorian cemetery on the Cadw Register of Parks and Gardens

Cultural character:

- Cultural hub of county borough with strong educational, sporting, and commercial functions and a rich and varied architectural heritage
- Gresford industrial estate is the location of the Gresford pit disaster of 1934, one of the most serious industrial accidents in British history; nearby the pit-head wheel forms a memorial
- Notable people from Wrexham include Elihu Yale, providing a connection to the US

Overall management strategy:

Conservation and Enhancement and Sustainable Development

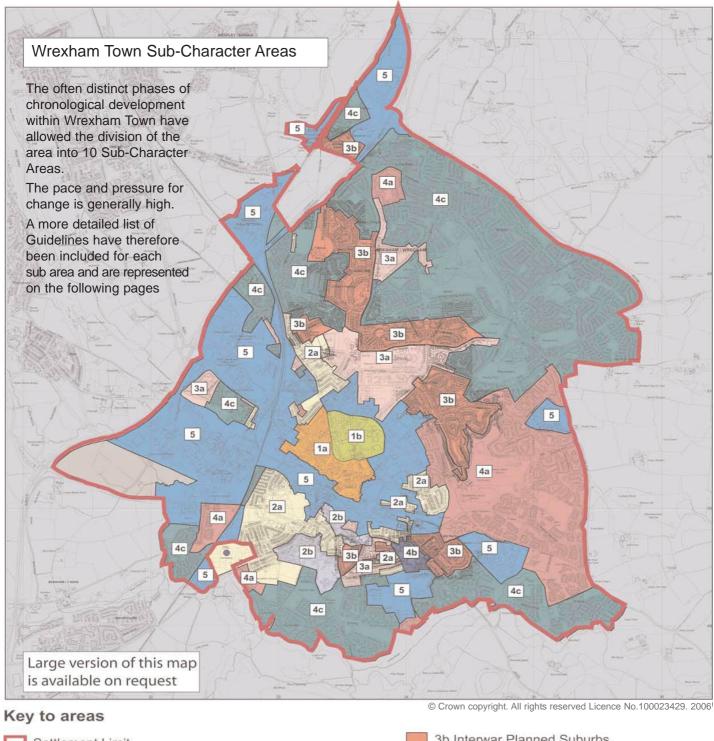
Management guidance (Refer also to Sub-Character Area Guidelines)

Guidelines Aims Protect and enhance See Grosvenor Road, Salisbury Road, Fairy Road, Town local distinctiveness, Centre and Hightown Conservation Area assessments views, open space Protect and restore historic parkland of Acton Park and link network and quality with wider green network of townscape Protect, restore and enhance the valley of the River Gwenfro and link with other areas of green space within the town Implement Green Network Strategy due March 2007 for Wrexham town Protect and restore Maintain integrity of glacial and fluvial landforms natural landforms and Take opportunities to restore natural river channels and processes processes Protect floodplains from development Conserve and Develop and enhance accessible natural greenspace in Wrexham enhance biodiversity Preserve existing natural habitats, including brownfield sites with natural regeneration Refer to garden Habitat Action Plan in Wrexham Biodiversity Action Plan Protect mature and veteran trees, and replant for the future Retain and develop natural habitats along rivers Archaeological intervention in advance of development in Preserve evidence and increase core areas, including line of River Gwenfro understanding of Preserve early street plan, and Scheduled Ancient Wrexham's Monuments and Listed buildings development and archaeological Development which would adversley affect the site or heritage setting of Wat's Dyke would not be permitted contact Cadw Maintain original form of Wrexham Cemetery, with no further inhumations within Dyke Preserve the line of disused railways, and carry out further studies of wider industrial landscape context Retain cultural Carry out proactive conservation of historic townscape and significance and consider Open Heritage days diversity of Wrexham Encourage local history/community initiatives Conserve significant transport features Preserve surviving features associated with Gresford Colliery



Landscape sensitivity:

Wrexham town is vulnerable to new development which takes insufficient account of existing character, scale, physical characteristics, open space network, archaeology or other factors. It is very sensitive to the cumulative impact of small changes which can erode local distinctiveness.



Settlement Limit

1a Historic Core

1b Civic Centre

2a Traditional Terraced

2b Pre WW1Suburban

3a Interwar Suburban

Area undeveloped at time of Urban Landscape Character Assessment

3b Interwar Planned Suburbs

4a Early Post WW2 Estates

4b Hightown Flats

4c Recent Estates

5 Mixed Non-Residential

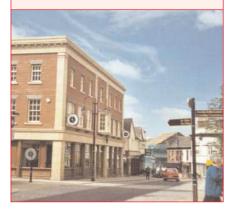
Wrexham Cemetery - CADW Register of Historic Parks and Gardens

1a Historic Core

Strategy for change:

Conservation
Restoration
Encouragement of diversity

 Refer to existing Conservation Area Guidance and forthcoming Enhancement Proposals

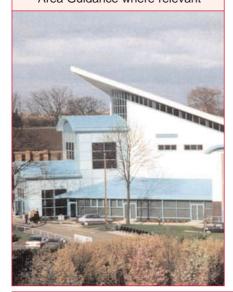


1b Civic centre

Strategy for change:

Enhancement Encouragement of diversity

- Retain and strengthen public spaces with pedestrian and cycle links radiating out to surrounding and outlying areas of Wrexham
- Promote use of high quality design and high quality materials
- Encourage innovative building design in scale with existing in an appropriate landscape setting
- Break up extensive areas of car parking with trees and shrubs
- Follow existing Conservation Area Guidance where relevant



2a Traditional Terrace

Strategy for change:

Enhancement Encouragement of conformity

- Retain and enhance all areas of communal open space
- Conserve building form, density and detailing
- Resist loss of existing buildings
- Follow Local Planning Guidance Note No 11 for Terraced Housing in Wrexham for building conservation and restoration
- New housing to respect existing density, building form, building line, materials and boundary features of adjacent buildings

 Retain original stone or brick boundary walls and varied copings, discourage replacements by fencing or alternative materials

OPPORTUNITY ACTIONS

- Improve pavements and general conditions for pedestrians and cyclists
- Encourage removal /rationalisation of telegraph poles and unnecessary signage and 'clutter'
- Improve on-street parking where feasible, discourage parking in front gardens



2b Pre World War 1 Suburban

Strategy for change:

Conservation Restoration Refer to existing Conservation Area Assessment, and forthcoming Enhancement Guidelines



3a Interwar Suburban

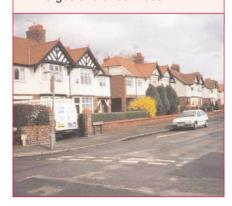
Strategy for change:

Conservation Restoration Enhancement

- Conserve and enhance existing highway verges and street trees
- Require sensitive improvements and alterations to dwellings, which retain and recreate existing architectural detailing
- Conserve low density of development and resist overdevelopment of plots or insensitive backland development
- Conserve existing stone or brick boundary walls
- Conserve hedges

OPPORTUNITY ACTIONS

Enhance existing highway verges and street trees



4a Early Post World War 2 Estates

Strategy for change:

Enhancement and/or redevelopment Encouragement of diversity

- Ensure that landscape/townscape issues are given early consideration in any proposals for enhancement or redevelopment
- Retain old lamp posts, ensure new ones are at similar scale
- Encourage rationalisation/removal of telegraph poles as opportunities arise
- Retain stone walls, ensuring repointing is done with a mortar mix weaker than the stone. Use hedging rather than fences on top of stone retaining walls
- Retain hedges (e.g. beech, privet), but if replaced use timber palisade rather than chainlink fencing.
 Where open plan front gardens are enclosed use hedging (preferable), or stained timber palisade fencing to match existing

OPPORTUNITY ACTIONS

- Determine existing and required functions of areas of public open space and develop landscape accordingly
- Clarify public/private boundaries, with planting, walls and fences
- Where opportunities arise provide

- high quality detailing needed to give greater richness to streetscape, greater individuality to localities, and to upgrade image of area
- Improve condition of narrow pavements
- Create additional car parking areas where needed on edge of grassed open space, with surrounding planting
- Use opportunities available in extensive areas of public open space to plant larger trees, provide footpaths and cycleways
- Enhance all areas of open space to give areas more interest and identity streetscape, greater individuality to localities, and to upgrade image of area

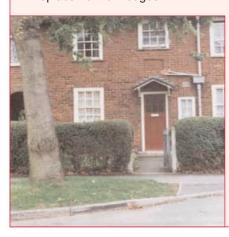


3b Interwar planned suburbans

Strategy for change:

Conservation
Restoration
Enhancement
Encouragement of conformity

Encourage retention and replacement of hedges



 Encourage retention of original 'Arts and Crafts' design features to buildings and original landscape lamp posts, mature trees in grass verges

OPPORTUNITY ACTIONS

- Look at alternative solutions to parking problems
- Reinstate lost verges
- Encourage cost-effective estatewide maintenance which protects and enhances important features
- Improve conditions for pedestrians
- Encourage traffic calming using materials appropriate to location
- Improve conditions for pedestrians

4b Hightown Flats

Strategy for change:

Enhancement and/or redevelopment Encouragement of diversity

- Promote alterations which help break up scale of buildings, help integration into surroundings and improve image
- Replace losses in public open space as often as required

OPPORTUNITY ACTIONS

- Enrich landscape with high quality street furniture where appropriate
- Use colour to break up scale of buildings
- Encourage planting on balconies
- Intensify planting in public open space
- Resurface pedestrian paths with high quality materials

4c Recent Estates

Strategy for change:

Enhancement Encouragement of diversity

- Introduce large trees where possible which will contribute more to future amenity than 'qarden' size trees.
- Encourage use of alternative hedging species to reduce future problems with fastgrowing Leyland and Lawson cypresses
- Provide landscape buffer for new developments on the edge of the countryside and incorporate former countryside features into new development. Provide links into surrounding countryside as well as links into existing urban areas
- In new developments, consider road layouts which depart from the standard guidelines to encourage innovative housing schemes which are not designed around the car
- Encourage planting of street trees and boundary hedges in new developments

OPPORTUNITY ACTIONS

- Look for opportunities to increase pedestrian and cycle linkage between cul-de-sacs to reduce the dominance and impact of the car
- Introduce large trees where possible





5 Mixed Non-Residential

Strategy for change:

Enhancement Redevelopment (some) Encouragement of diversity

- Retain the best of the existing landscape in new developments, including areas of ecological interest (even if not designated), hedgerows, stone walls, watercourses and any other features of historic or other value
- Keep the use of security fencing to a minimum, particularly palisade fencing, if fencing is necessary use dark green colour or black, with posts of the same colour.
- Maintain and create links into surrounding housing and the town centre, using opportunities for separate footways/cycleways and also new bus stops/shelters which are attractive, safe and comfortable to use
- Retain and protect existing mature trees and Integrate large retail developments into townscape by use of recessive

- colours for walls and roofs, and large scale tree planting.
 'Green roofs' may be an option for the future. Break up rooflines to reduce apparent scale (e.g. old 'sawtooth' factory roofs with northfacing lights are energy efficient and fit in with scale of domestic roofs)
- Avoid large scale cut and fill operations which destroy the original landform and create unnatural cuttings and embankments. Consider split level developments as an alternative
- Maintain a landscape buffer zone next to watercourses and water bodies
- Introduce new planting where appropriate

OPPORTUNITY ACTIONS

- Break up extensive car parking areas with tree and shrub planting and contrasting surfacing
- Plant replacement trees



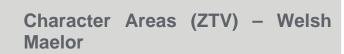
For further information contact:

Planning Environment Planning Department Wrexham County Borough Council Lambpit Street, Wrexham. LL11 1AR Tel:01978 292019 www.wrexham.gov.uk/planning

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Wrexham Landscape Character Area Guidance



This is one of a series of Local Planning Guidance Notes based on Wrexham LANDMAP (adopted November 2004), setting out recommendations for each Landscape Character area.



Welsh Maelor summary:

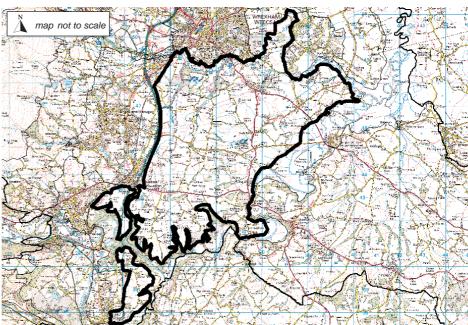
- Undulating, mainly pastoral lowland farmland
- Well-managed hedges with hedgerow trees and small woodlands
- Historic designed estates influence a large propotion of this area
- Field ponds abundant on areas with clay soils
- Historic settlement pattern with remnants of medieval ridge and furrow
- Erddig estate important for tourism, recreation, nature conservation and heritage
- Wat's Dyke runs north-south through area
- Patches of valuable seminatural habitats, especially in Clywedog valley
- Affected by urban pressures and economic changes to farming

Attractive undulating lowland farmland to the south of Wrexham town and west of the River Dee, containing a number of large estates

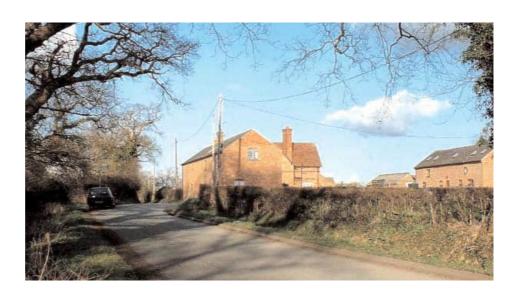
Landscape context

This lowland rural area is similar to the English Maelor and Dee Terraces, and to the Cheshire and North Shropshire Plain beyond the Wrexham boundary. However it is geographically and historically separated from the English Maelor by the River Dee, and former administrative boundaries, and is currently more affected by proximity to urban areas

Map of Welsh Maelor Landscape Character Area



Character Area boundaries should be considered transitional rather than precise © Crown copyright. All rights reserved Licence No.100023429. 2006





Key characteristics

Visual character:

- Good views to the hills and over the Dee Valley from higher ground
- Undulating estate farmland with mosaic of farmland and trees (N. and S. areas) and undulating open farmland in the central area
- Designed parks and gardens
- Generally an abundance of well managed hedgerows and hedgerow trees
- Traditional red brick farmsteadings but many barns now converted to residential uses
- Tranquillity and landscape quality affected by A483 and pylons to west

Geological character:

- Deep deposits of glacial drift overlie bedrock of Carboniferous and Triassic age
- Glacial till (boulder clay) covers a large part of the character area, with glacial sands and gravels found mainly in the area immediately to the south of Wrexham town, and in the river terrace on which Eyton Grange is situated
- The area drains to the Clywedog in the north and to the River Dee in the east and south

Ecological character:

- The River Clywedog valley south of Wrexham town has a diverse range of valuable semi-natural habitats including wet woodlands, lowland meadows and nationally important wetlands (especially for invertebrates) with areas of fen sedge, herb-rich swamp and rush pasture
- Farm orchards are now rare, but a valuable old orchard survives at Erddig
- Semi-natural upland mixed ash woodlands, other broadleaved woodlands and plantations are characteristic of the northern and southern areas, forming a mosaic of woodland and farmland. Mixed plantations are

also found in the south

- Although most grassland is improved, remnants of high value neutral grassland survive in the central and northern areas
- The Welsh Maelor has valuable remnants of estate parkland or wood pasture with mature and veteran trees - a Biodiversity Priority Habitat
- Field ponds are frequent, and valuable for wildlife

Historical character:

- Medieval military feature Wat's Dyke earthern bank and ditch cuts across farmland
- Widespread evidence of medieval open fields - ridge and furrow remnants of the Wrexham Lowlands
- Important designed parklands on Cadw Register at Erddig, Wynnstay and Brynkinalt, as well as Penylan, Erbistock and Rosehill
- Non-planned settlement with medieval origins at Gyfelia and Crabtree Green
- 19th/20th century ribbon development at Marchwiel
- Disused Ellesmere railway
- Remnants of former ordnance depot at Parkey area south of Wrexham Industrial Estate



Cultural character

- Still predominantly agricultural, with dispersed farms
- Farmsteads and villages affected by commuter pressure, with residential conversions and new housing
- Sense of place Erddig and Wynnstay in particular
- Wynnstay Estate once culturally dominated the southern part of the Welsh Maelor but the buildings of the core area are being converted to residential accommodation, enabling restoration of the Grade 1 Capability Brown pleasure gardens
- High level of recreational use in Erddig and Clywedog Valley, and extensive network of small lanes and rights of way in all parts except Wynnstay

Landscape sensitivity

The traditional Welsh Maelor landscape is very vulnerable to continuing development and recreational pressures, to economic changes which threaten traditional farming, and from land use practices and development which do not take historical landscape features into account.

For further information contact:

Planning Environment
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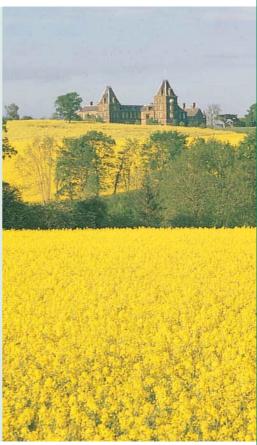
Welsh Maelor - North Central and South

The northern part, nearest to Wrexham drains into the River Clywedog, and has a high proportion of land belonging to the estates of Erddig, Marchwiel, Bryn y grog and Cefn Park. This area is particularly valuable for nature conservation and informal recreation.

The southern part also has a high proportion of land in former or existing estate management, including Wynnstay, Penylan and Brynkinalt. Some of these estates also extend into the Dee-Ceiriog Wooded Valley landscape character area.

The central part is generally open farmland with dispersed farms and hamlets where former estate influence is weaker. It includes a small semicircular flat area around Eyton Grange which is a terrace of the River Dee.

Attractive undulating lowland farmland to the south of Wrexham town and west of the River Dee, containing a number of large estates.



The Welsh Maelor can be subdivided into 3 areas:



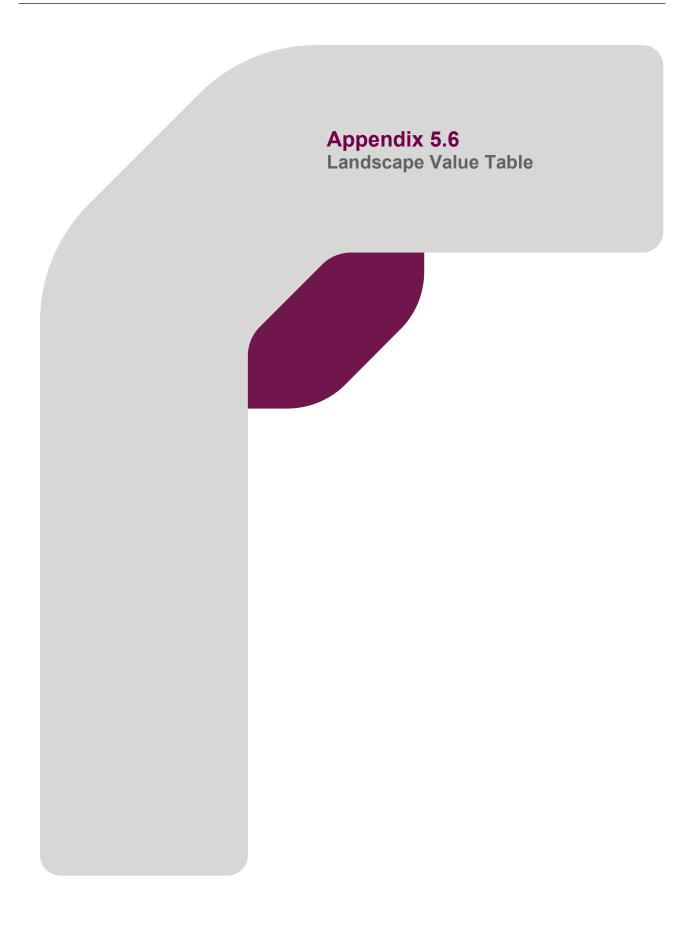


Overall management strategy:

Conservation and sustainable rural development

Management Guidan	ice
Aims	Guidelines
Conserve rural character	 Promote replacement planting of hedgerow trees, particularly oaks and ash to ensure perpetuation of characteristic landscape
	The area is particularly sensitive to the 'suburbanisation' of farm steadings - resist
	The character of rural villages and their settings are particularly sensitive to new development
	Encourage Village Design statements by local residents
	 Areas for Horsiculture are to conserve traditional field boundaries and avoid the proliferation of fences, structures and buildings within the countryside, where this would erode character
Protect and enhance historic landscape	 Protect estate landscapes and estate-influenced landscapes and consider Cadw listing of stone boundary walls and other significant designed landscape features not protected at present
	Protect fieldscape and areas of medieval ridge and furrow
	Increase awareness and appreciation of historical landscape character
	Preserve surviving features in designed landscapes and avoid subdivision or development of parklands
	Prevent woodland regeneration on Wat's Dyke and Erddig Motte and Bailey
	No development on or near Wat's Dyke - contact Cadw
	Preserve Gyfelia field boundaries
	Preserve by record medieval features at Crabtree Green
Preserve geodiversity	Preserve disused railway, relate to wider industrial landscape
Conserve and manage	Maintain integrity of landforms, including glacial and fluvial landforms, and assess new exposures
onds and other aquatic and wetland habitats	 Maintain high pond density, restore and enhance ponds. Protect species associated with ponds, eg bats, newts, water vole, lesser silver diving beetle
	 Enhance river bank habitats and minimise hard bank engineering; such as canalisation and retaining walls; protect otters and water voles
	 Refer to River and Pond Habitat Action Plans and Otter Species Action Plan of Wrexham Biodiversity Action Plan
	Restrict drainage in wetland sites
Enhance and restore	Enhance and expand wood-pastures and retain veteran trees and fallen timber
biodiversity of historic parklands	Protect wood-pasture from agricultural intensification
Manage farmland for	Diversify general agricultural land and enhance and extend hedgerows
nature conservation	 Develop green networks to link fragmented habitats and species
	Maintain arable headlands and wide field margins
	 Enhance and extend orchards and preserve historic fruit varieties
Conserve and manage	Maintain, expand and link fragmented native woodlands
woodlands	 Replace coniferous trees with native broadleaved trees in woodlands and increase diversity in woodland structure and retain old/dead standing or fallen trees
	Restrict grazing in woodlands
Manage grassland to	 Protect and manage lowland meadows and enhance lowland pastures
increase biodiversity	 Encourage cattle grazing in rush pastures
Preserve rural heritage and	Maintain historic appearance of area, encourage local businesses
encourage sustainable rural	 Support National Trust initiatives
development	 Develop strategy for sympathetic new build in rural villages
	Preserve local distinctiveness, in particular agricultural buildings
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APPENDIX 5.6 - LANDSCAPE VALUE TABLE

To inform the sensitivity judgement of the Site, a judgement on Landscape Value has to be made. An evaluation of the value attached to undesignated landscapes has been completed for the Site utilising the guidance provided within GLVIA and the Landscape Institutes Technical Guidance note 02/21 - Assessing landscape value outside of national designations. A value table has been produced detailing the range of factors that can be considered when identifying landscape value of non-designated landscapes within the site.

Table 5.1 – Site and Immediate Surrounds Value Table (TGN 02/21)

Range of factors th	nat can be considered when	identifying landscape value		
Factor	Definition	Examples $[1]$ of Indicators of landscape value	Example ^[2] of evidence	Evidence present
Natural heritage	evidence of ecological, geological, geomorphological or	Presence of wildlife and habitats of ecological interest that contribute to sense of place Extent and survival of seminatural habitat that is characteristic of the landscape type Presence of distinctive geological, geomorphological or pedological features Landscape which contains valued natural capital assets that contribute to ecosystem services, for example distinctive ecological communities and habitats that form the basis of ecological networks Landscape which makes an identified contribution to a nature	•	Wrexham LANDMAP Supplementary Planning Guidance (2007) – The majority of the Site is within West Wrexham Ridges and Valley 7d: "Changing landscape as post mining restoration and regeneration continueVariety of wildlife habitats including small but important wetlandsMuch of the non-built area is improved grassland or arable of relatively low value" Part of the site" Part of the Southern Parcel is within Clywedog Valley, Plas Power and Bersham 9a: "Woodlands of high nature conservation value River Clywedog is an aquatic habitat of high value and oak/ ash/ sycamore woodland are found in the valley and Plas Power estate" Further site level information is included within Para 5.97 – 5.106 of the LVIA Topic Chapter 5.

^[1] These examples are not exhaustive.

^[2] Evidence may be set out in development plans (or evidence that sits alongside development plans). Online mapping may also provide useful information

Factor	Definition	Examples ^[1] of landscape value	Indicators of	Example ^[2] of evidence	Evidence present
		recovery/ green network	infrastructure	Landscape	Site falls within the 'Lowland Glacial Outwash Plain', Field' LANDMAP Geological Aspect area. Site falls within the 'Mosaic' LANDMAP Habitats Aspect area.
				Ecological and geological designations	Site adjoins Big Wood Wildlife Site and Higher Berse Marsh Wildlife Site. Other sites are over 1km from the site. Further details are provided in the PEA. The Site falls within the LANDMAP 'Mosaic' category that has value for wildlife. Most of the habitats within the site such as short grazed improved grassland and arable have limited ecological value. Higher value habitats such as scrub and woodland are outside of the Site.
				SSSI citations and condition assessments	Provided in the PEA.
				Geological Conservation Review	N/A
				Habitat surveys	Majority of site is improved grassland and arable of low value. Higher value habitats (see below) are present along field boundaries / adjoining site. Further details are in the PEA.
				Priority habitats	Hedgerows – species rich in Northern Parcel of site. Mature trees (within hedgerows).
					Ponds adjoining site. Woodlands adjoining sites.
				Nature recovery networks/ nature pathways	No assessment completed.
					No assessment completed. Hedgerows within the site link blocks of offsite woodland. These could be enhanced to increase connectivity.
				Catchment management plans	N/A

Factor	Definition	Examples ^[1] of landscape value	Indicators of	Example ^[2] of e	vidence	Evidence present
				Ecosystem assessment/ sch		No assessment completed. The Site is primarily under use for grazing and some areas of arable crop. The existing green infrastructure offering includes mature hedgerows, some specimen trees of varying age and condition, adjoining areas of existing mature woodland and plantation woodland. Some of which has ancient woodland classification.
						Value of the existing vegetation and green infrastructure connections could be enhanced through new planting and management.
				Specialist studies	ecological	Protected species surveys undertaken – otter, great crested newt, wintering birds, breeding birds. The habitats within and adjoining the site support good assemblages of breeding and wintering birds. Otter and great crested newt use habitats adjoining the site. Further details are provided in the PEA and survey reports.
Cultural heritage	Landscape with clear evidence of archaeological, historical or cultural interest which contribute positively to the landscape	elements (e.g. folli	gned landscape ies, monuments, ndels) roric parks and d designed r contributes to heritage assets, ng the setting of (especially if ilist studies) ch offers a ne depth. This time depth, e.g. tures such as eat bogs and	assessment	character	Wrexham LANDMAP Supplementary Planning Guidance (2007) – The majority of the Site is within West Wrexham Ridges and Valley 7d: "Countryside has regular and irregular fields, but much land has been disturbed the route of Offa's dyke can be identified Plas Power colliery buildings have been preserved Area is affected by A483 corridor, which separates it from Wrexham, but increases accessibility to commuters" Part of the Southern Parcel is within Clywedog Valley, Plas Power and Bersham 9a: "Heritage centre and ironworks at Bersham Plas Power estate adjoining Clywedog Valley, surrounded by a magnificent stone wall The area is crossed by Offa's Dyke, a prehistoric military feature of outstanding archaeological value"

Factor	Definition	Examples ^[1] of Indicators of landscape value	Example ^[2] of evidence	Evidence present
		of relic farmsteads, ruins, historic field patterns, historic rights of way		Further site level information is included within Para 5.97 – 5.106 of the LVIA Topic Chapter 5.
		(e.g. drove roads, salt ways, trac associated with past industr activity)	LANDMAP Historic Landscape and Cultural	The relevant LANDMAP Cultural Landscape Aspectareas are as follows: The Southern Parcel of the Site falls within the 'Pla Power Park - Open Rolling Lowland' and 'A483 Mole Road Corridor - Open Rolling Lowland'. The Northern Parcel of the Site falls within 'West Wrexham Lower Slopes - Hill & Lower Plateat Grazing'. The cable route is located within the West and South of Rhos, Cywedog Valley Bersham, A48 and environs – Rhostyllen to Ruabon. The relevant LANDMAP Historic Landscape Aspectareas are as follows: The Southern Parcel of the Site falls within the 'Pla Power – Regular Fieldscapes'. The Northern Parcel of the Site falls within 'Windy Hill – Irregular Fieldscapes'.
			Historic environment and archaeological designations	No historic environment / archaeological designations are located within the main parts of the Site itself. The cable route options cross the line of Offa's Dyke, a Scheduled Monument. The Souther Parcel of the Site adjoins the Bersham Conservation Area, which contains 16 Listed Buildings and the scheduled Bersham Ironworks. Relics of the Plas Power Estate are evident within and immediately adjacent to the Site. Within the Site these comprise a small number of parkland trees whilst those adjacent comprise the former stables ice house, bath house, game larder and dairy, which are all listed buildings, and fallen gate posts, a hasha, and parkland trees/designed landscap remnants. At greater remove from the Site are the western estate wall, gates, a lodge house and cottage, which are listed buildings. Although in some cases these are in a poor condition, they do adsome cultural value to the adjoining Site. There are

Factor	Definition	Examples ^[1] of Indicators landscape value	s of Example ^[2] of evidence	Evidence present
				number of other Listed Buildings also within the vicinity of the Site. They offer limited value to the Site.
			_	a Bersham Conservation Area Assessment & Management Plan (2009): The special character of the area has been greatly influenced by the valley landscape setting and the historical and architectural association with John Wilkinson's ironworks and the Plas Power Estate. A number of factors contribute to the special characte of the area and these are now outlined below: The Iron work buildings and sites The numerous bridges and remains of the rive weirs, sluice gates and leats The wooded valley sides and banks of the Rive Clywedog The strong architectural influence of the Plas Powe Estate — Bersham Lodge, St Mary's Church, and the Estate Cottages are landmark buildings creating a strong sense of place and identity Boundary details — Sandstone boundary walls o various types with differing capping styles are a common and distinctive feature of the Conservation Area The hedging consists of a variety of mixed indigenous species including hawthorn, holly, hazel yew, and sycamore. In the Ddol area, Ruabon recentingening brick walls and cast iron railings and gates take precedence. The historic place, street and house names Y Ddol — A compact area of high-density buildings set into the steep valley side close to the river creating a sense of compactness The cable route passes through Character Area 'The Area to the West Ironworks Site'. There is limited.

Factor	Definition	Examples ^[1] of landscape value	Indicators	of I	Example ^[2] of evidence	Evidence present
				1	Historic maps	Historic mapping dating to 1879 shows the greater part of the Site as part of the Plas Power Estate wrapping around the now demolished Plas Power The estate landscape was characterised by parkland punctuated by trees and clumps of trees with areas of woodland and a large fishpond. In 1946-7 the house was demolished. Subsequently an opencast colliery was opened that occupied the eastern part of the parkland and much of the Site Once worked out the opencast was backfilled and a large rectangular reservoir constructed. The northern part of the Site lay outside the estate and is shown on the 1879 map as being occupied by irregular fields. Although some boundaries have been removed, the present field-system is largely as depicted on this map.
				(character assessments ^[3] Historic Land Use	The main body of the Site lies within WRXHMHL014 Area of former landscape parkland on gently undulating plateau north of Bersham and the rive Clywedog associated with the 18th-century and late Plas Power country house, demolished in the mic 20th-century. Former parkland is now largely converted to farmland. Regular, straight-sided fields with hedged boundaries representing subdivision and enclosure of the former parkland. Mixed deciduous and coniferous woodland along the steeply-sloping valley sides of the river Clywedog to the south and elsewhere. Modern settlement confined to Home Farm, the former estate farm Some surviving structures and features related to

^[3] Historic Landscape Characterisation has developed as a GIS mapping tool to capture how land use has changed and the 'time-depth' of the present-day landscape.

https://historicengland.org.uk/research/methods/characterisation/historic-landscape-characterisation/

^[4] Mapping of Scotland's Historic Landscape: https://hlamap.org.uk/

 $^{^{[5]}\} https://historicengland.org.uk/images-books/publications/understanding-place-historic-area-assessments/$

Factor	Definition	Examples ^[1] of landscape value	Indicators of	Example ^[2] of evi	dence	Evidence present
						the country house and its parkland. The area is crossed by the early medieval Offa's Dyke. Overall Evaluation: Moderate - Although still recognisable as parkland, its poor condition brings down its value despite the passage of Offa's Dyke The northern part lies within WRXHMHL008:
						Swath of mixed irregular predominantly hedged fields occupying the Gwenfro and Moss valleys to the west and east of Brymbo and its former industrial areas The area is characterised by isolated post medieval farmsteads and a wide variety of mines, collieries, brick and tile works and other industrial remains It also contains the minor settlement of Berse Drelincourt and an isolated moated site at Lower Berse, and a small area of very degraded parkland at Gwersyllt The south of the area is crossed by Offa's Dyke and it is bounded on its north by the line of the Roman road from Caer Gai to Chester.
						Overall Evaluation: Moderate - Diffuse area of mixed fields wrapped around a number of industrial settlements but lacking significant historical foci, although the passage of Offa"s and Wat"s Dykes lifts its value slightly
				Place names		N/A
				Specialist heritage	studies	The Site has been the subject of a Desk-Based Assessment, Built Heritage Statement and Geophysical Surveys. All of these were undertaken in respect of the Project.
Landscape condition	Landscape which is in a good physical state both with regard to individual	intactness of indiv	ridual landscape	Landscape assessment	character	Wrexham LANDMAP Supplementary Planning Guidance (2007) –Within West Wrexham Ridges and Valley 7d:
	elements and overall landscape structure	Good health of ele				"Urban villages retain their own cultural identity, but this is becoming weakened"
		good water qua health	llity, good soil			Part of the Southern Parcel is within Clywedog Valley, Plas Power and Bersham 9a:

Factor	Definition	Examples ^[1] of Indicators of landscape value	Example ^[2] of evidence	Evidence present
		intact historic field patterns) Absence of detracting/ incongruous features (or features are present but have little influence)		restored land, following post war opencast coal mining, and the remaining designed landscape is in poor condition" Further site level information is included within Para 5.97 – 5.106 of the LVIA Topic Chapter 5.
		LANDMAP trend ques Q28) Hedgerow / Observation intactness/	trend questions (Q27 and	Within Southern Parcel: Plas Power Park: Condition - Unassessed, Trend - Constant, A483 Mold Road Corridor: Condition - Unassessed, Trend - Declining, Cywedog Valley Bersham; Condition - Unassessed, Trend - Constant. Within Northern Parcel: Wrexham Lower Slopes;
			Hedgerow / Tree Surveys	Condition - Unassessed, Trend – Constant. Tree Survey is within Appendix 5.8 of the LVIA Topic Chapter 5.
				Arable and improved grassland have low ecological value. Species-rich hedgerows, mature trees and adjoining woodland and pond have higher value. The condition of the hedgerows, woodland and ponds vary.
				Areas of the fencing within, and along the boundaries to, the Site is in some places damaged on unintact. Some hedgerows are also in a poor, fragmented condition.
			SSSI condition assessments	N/A
			Historic landscape character assessments/ map regression analysis	N/A
Associations	· · · · · · · · · · · · · · · · · · ·	Associations with well-known literature, poetry, art, TV/film and music that contribute to perceptions of the landscape Associations with science or other technical achievements Links to a notable historical event	Information about arts and science relating to a place	"The special character of the area has been greatly influenced by the valley landscape setting and the historical and architectural association with John Wilkinson's ironworks and the Plas Power Estate The remains of Wilkinson's Ironworks are an important link with the area's industrial past. The old blast furnace, now known as The Mill, and the octagonal foundry, are both particular landmark

Factor	Definition	Examples ^[1] of Indicators of Examples value	cample ^[2] of evidence	Evidence present
		Associations with a famous person or people		buildings" (Ref: Bersham CA Assessment & Management Plan 2009). Although these buildings are not directly visible from within the Site, they fall in its setting. "The Plas Power Estate 2.13 Plas Power Park lies directly to the north of the Conservation Area. The estate dates back to the middle of the 15th century when it was owned by Robert Bellot. In the 17th century the Power family inherited the estate and changed the name to Plas Power. By 1747 it belonged to William Lloyd who, in that same year, demolished the original house and replaced it with a typically Georgian square mansion of red brick with stone dressings. He also decided to enclose the parkland with a massive stone wall. The wall still exists today and is a very strong characteristic of the area. William Lloyds' daughter, Mary Fitzhugh inherited the estate, which was subsequently left to her son Thomas Lloyd Fitzhugh who, in 1858, enlarged and remodelled the house under the direction of the architect John Gibson. Around 1860 they also remodelled the distinctive South Gate lodge and built the bridge and the distinctive estate cottages of Mill Terrace. The Gate lodge and Mill cottages are extremely picturesque and display the decorative bargeboards and diamond lattice windows, which identify them as once belonging to Plas Power Estate. (Ref: Bersham CA Assessment & Management Plan 2009).
			storical accounts, cultural ditions and folklore	"St Mary's Church, Grade II*, also known as Plas Power Chapel, was built by Thomas Fitzhugh in 1875, the tower was added later in 1893 in memory of Captain Godfrey Fitzhugh." This Church is located to the immediate south of the Site. It was designed by architect John Gibson designed it in 1875 for Plas Power Estate owner Thomas Fitzhugh, for the use of the Plas Power household and its dependants (Ref: Bersham CA

Factor	Definition	Examples ^[1] of Indicators of landscape value	Example ^[2] of evidence	Evidence present
				Assessment & Management Plan 2009).
			Guidebooks/ published cultural trails	The Woodlands Trust – Plas Power Woods which adjoins the Site, has a number of waymarked walks including the National Trail "Clywedog Trail". This long-distance trail passes the through the cable route part of the Site, and the south of the Southerr Parcel of the main site. Other trails within Plas Power Woods are King Offa Family Trail and a Seasonal Loop, details of which are available on the Woodlands Trust website (https://www.woodlandtrust.org.uk/visiting-woods/woods/plas-power-woods/)
Distinctiveness	Landscape that has a strong sense of identity	Landscape character that has a strong sense of place (showing strength of expression of landscape characteristics)		Site specific assessment completed within this LVIA at Para 5.97 – 5.106 of the LVIA Topic Chapter 5 LANDMAP character information specific to the Study Area and Site is provided within Appendix 5.4.
		Presence of rare or unusual features, especially those that help to confer a strong sense of place or identity Landscape which makes an important contribution to the character or identity of a settlement Settlement gateways/approaches which provides a clear sense of arrival and contribute to the character of the settlement (may	Sensory question 3 and 25, – Historic Landscape	Within Southern Parcel Plas Power Park - Q3 'the estate itself has been long neglected and the remaining area still has elements of formal landscape features. Q25 – sense of place is moderate. A483 Mold Road Corridor – Q3 'generally rural but often with significant noiseoriginal rural character has been significantly weakened by urban influences. Q25 - sense of place is weak. Cywedog Valley Bersham Within Parcel B West Wrexham Lower Slopes North – Q3 'the area has been fragmented by settlement and built elements but the wider area has a well defined field structure'. Q25 - sense of place is weak.
		be ancient/historic)		As already detailed within the associations section references to The Plas Power Estate and the Bersham Ironworks within the immediate setting to the Site provide historic refence and distinctiveness to this local landscape. One of the most noticeable

Factor	Definition	Examples ^[1] of Indicators of landscape value	Example ^[2] of evidence	Evidence present
				observations from field work was the distinctive Plas Power Estate boundary walling and remnants of the designed landscape associated with the Plas Power Estate, albeit a lot of this is in a poor condition.
Recreational	recreational opportunities where experience of	common land and public rights of way (particularly National Trails,		PRoW Footpath BER/1 runs within Southern Parcel and PRoW Footpath BER/8 runs within Northern Parcel.
	landscape is important	long distance trails, Coastal Paths and Core Paths) where appreciation of landscape is a feature		Offa's Dyke long-distance footpath / National Trail and Clywedog Trail run close to the Site. Waymarked routes within the Plas Power Woods.
	Areas with provide of	•	•	Not within the Site
		experience/ inspiration Presence of town and village greens	Database of registered town or village greens	Not within the Site
		Other physical evidence of vecreational use where experience of landscape is important Landscape that forms part of a view that is important to the	Visitor surveys/ studies	Not assessed.
			Observations about recreational use/ enjoyment made in the field by the	PRoW Footpath BER/1 provides recreational opportunity within Southern Parcel of the Site and Footpath BER/8 provides recreational opportunity within the Northern Parcel. Neither of these footpaths were seen to be used during visit. For site work completed for the RVAA, local residents say they use the footpaths through the Site regularly.
				The area to the south of Southern Parcel of the Site provides a number of recreational opportunities including: a National Trail, River Clywedog, Plas Power Woods and Bersham Ironworks Museum.
Perceptual (Scenic)		Distinctive features, or distinctive combinations of features, such as dramatic or striking landform or harmonious combinations of land cover Strong aesthetic qualities such as scale, form, colour and texture		Wrexham LANDMAP Supplementary Planning Guidance (2007) – Within West Wrexham Ridges and Valley 7d :
	-			"Views towards Wrexham and the lowlands Scattered groups of buildings in local Cefn sandstone and stone-built village cores, individuality in later additions but much standardised modern

Factor	Definition	Examples ^[1] of Indicators of landscape value	Example ^[2] of evidence	Evidence present
		Presence of natural lines in the landscape (e.g. natural ridgelines, woodland edges, river corridors, coastal edges) Visual diversity or contrasts which contributes to the appreciation of the landscape Memorable/ distinctive views and landmarks, or landscape which contributes to distinctive views and		housing development" Part of the Southern Parcel is within Clywedog Valley, Plas Power and Bersham 9a: "Varied visual character but area, though close to settlements, is separated from them by walls, roads or topography and has a more tranquil character" Further site level information is included within Para 5.97 – 5.106 of the LVIA Topic Chapter 5. The field assessment completed within the LVIA.
		landmarks	Sensory scenic quality	Site falls within the 'Open Rolling Lowland (Southern Parcel), 'Hill & Lower Plateau Grazing (Northern Parcel) and 'Wooded Lowland Valleys (cable route only) LANDMAP Visual and Sensory Aspect Areas.
				These areas are further divided within Southern Parcel of the Site to include 'Plas Power Park' and 'A483 Mold Road Corridor'. These aspect areas have an overall evaluation of Moderate.
				Visual and Sensory Aspect areas within Northern Parcel of the Site include 'West Wrexham Lower Slopes', that has an overall evaluation of Low.
				The cable route are located within the 'North, West and South of Rhos', the 'A483 and environs - Rhostyllen to Ruabon' and the 'Cywedog Valley Bersham' aspect areas that all have an overal evaluation of Moderate, See Appendix 5.5.
			Protected views, views studies	No views / photographs of the Site noted in the Loca Plan and there is no neighbourhood plan for the area.

Factor	Definition	Examples ^[1] of Indicators of landscape value	Example ^[2] of evidence	Evidence present
			Conservation Area Appraisals	Bersham Conservation Area Assessment and Management Plan Adopted (December 2009)
			Village Design Statements, or similar	N/A
Perceptual (Wildness and tranquillity)	wildness, tranquillity and/or including perceived links to nature dark skies dark skies, presence of wildlibirdsong and relative peace a quiet ^[6] Presence of wild land a perceptions of relative wildne (resulting from a high degree perceived naturalness ^[7] , rugged otherwise challenging terra remoteness from pub mechanised access and lack modern artefacts) Sense of particular remoteness seclusion or openness Dark night skies	y perceptions of tranquillity, including perceived links to nature, dark skies, presence of wildlife/birdsong and relative peace and quiet ^[6] Presence of wild land and perceptions of relative wildness (resulting from a high degree of perceived naturalness ^[7] , rugged or otherwise challenging terrain, remoteness from public mechanised access and lack of modern artefacts) Sense of particular remoteness, seclusion or openness Dark night skies A general absence of intrusive or	factors which contribute to	No tranquillity mapping been carried out for the Site. See Site Survey observations below for factors that contribute and detract from tranquillity within the Site. The main fact to reducing the Sites Tranquillity is the A483 corridor which adjoins the eastern boundary of the site and also the A525 which is located between the Northern and Southern Parcels.
			Dark Skies mapping	LANDMAP Light Pollution Q56 – Night Time Light Pollution Visual and Sensory Aspect areas within Parcel A of the Site include: A483 Mold Road Corridor and Cywedog Valley Bersham that both have a Moderate Night Time Light Pollution. Plas Power Park has Slight Night Time Light Pollution. Visual and Sensory Aspect area within Parcel B of the Site include West Wrexham Lower Slopes that has a Moderate Night Time Light Pollution.
		Wildness mapping, and Wild Land Areas in Scotland	N/A	
			Land cover mapping	The Site land cover is described at paragraph 3.15 of this LVIA

^[6] More about tranquillity can be found in Landscape Institute Technical Information Note 01/2017 (Revised; Landscape Institute, 2017).

^[7] Relating to extensive semi-natural vegetation, presence of wildlife and presence of natural processes/ lack of human intervention.

Factor	Definition	Examples $^{[1]}$ of Indicators of landscape value	Example ^[2] of evidence	Evidence present
			Field survey	The site visit identified isolated areas of tranquillity along: PRoW Footpath BER/1, in the middle, south and west of Southern Parcel and PROW Footpath BER/8 of the Northern Parcel. The A483, A525 and pylons located adjacent to the west of the Site detract from tranquillity and wildeness. In addition, overhead powerlines located within the Northern Parcel form visual detractors within the Site.
			LANDMAP Visual and Sensory Aspect	LANDMAP Tranquillity and Place Q59 – Tranquillity categories range from 1 (least visually tranquil) to 10 (most visually tranquil).
				Visual and Sensory Aspect area A483 Mold Road Corridor Is mostly in visually tranquil category 5-7. Aspect area Plas Power Park and Cywedog Valley Bersham are mostly in category 7.
Functional	valuable function, particularly in the healthy	d elements that contribute to the in, healthy functioning of the		No published landcover maps have been published for the Site. The Phase 1 survey undertaken on the Application Site. Reported in Appendix 5.1: Ecology and Nature Conservation.
			Ecosystem services assessments and mapping (particularly supporting and regulating services)	No assessment undertaken.
				The Site does not form part of a designated Green Wedge under Policy SP6 at a local level within the Wrexham LDP (Adopted 2023).
			management plans for	The Site is not a nationally or locally designated landscape and therefor there is no published information relating to the management of the Site.